University of Hyderabad

PROSPECTUS

2018-19

UNIVERSITY OF HYDERABAD
(A Central University established by an Act of Parliament)

Visitor
The President of India

Chief Rector
The Governor of Telangana

Chancellor
Dr. C. Rangarajan

Vice-Chancellor
Prof. Appa Rao Podile

University's Official Address:
The University of Hyderabad
Prof. C. R. Rao Road,
P.O. Central University,
Gachibowli, Hyderabad 500 046,
Telangana, (India)

University's EPABX: 040-2313 0000

Our Motto

सा विद्या या विमुक्तये

forms part of a verse appearing in
Vishnu-Purana (1.19.41)
The whole verse reads as follows:

तत्कर्म यन्न बन्धाय (सा) विद्या या विमुक्तये ।
आयासायापरं कर्म विद्यान्या शिल्पनैपुणमू ॥

The verse also occurs in the anthology of subhasitas entitled
"Sarangadharapaddhati" (No. 4396). In this latter work, the source of the
verse is given as Vasisthat. The verse obviously possesses and ethical-
spiritual import and may be translated as follows:

"That is (right) action which does not conduce to bondage; that is (true)
knowledge which conduces to final liberation or spiritual emancipation;
(any) other action would cause (mere) exertion; (any) other knowledge
implies mere skill in craft."

''बन्धन का कारण न हो, वही कर्म है और मोक्ष को
सिध्द करने वाली हो, वही विद्या है । इससे भिन्न
कर्म व्यर्थ परिक्षम रुप और भिन्न विद्याएँ केवल
कला-कौशल रुप ही हैं ।''

University's Website: http://www.uohyd.ac.in

University of Hyderabad
PROSPECTUS
2018-19

P.O. Central University
Hyderabad – 500 046
Telangana
India

Admission Enquiries:
Deputy Registrar (Acad. & Exams.)
Tel. 040-2313 2102
Section officer (Academic)
Tel.   040-2313 2103

Email: acadinfo@uohyd.ernet.in

Fax: 040 2301 0292

Online Registration Fee

General Category	**:**	**Rs. 550=00**
OBC Category	**:**	**Rs. 350=00**
SC/ST/PWD Category:		**Rs. 250=00**

Excellence in University System

To introduce the element of excellence in the University system, the University Grants Commission had identified a few Universities and granted them the status of 'Universities with Potential for Excellence'. Based on the evaluation and recommendations of a committee, the University Grants Commission declared the University of Hyderabad a 'University with Potential for Excellence'. The University was sanctioned a grant of Rs.30 crore under UPE Phase – 1 under this scheme for Interfacial Studies & Research and Holistic Development for a period of 5 years (2002-2007) and Rs.50 crore under the Phase - 2 (2012-2016).

The Advanced Centre for Research in High Energy Materials (ACRHEM) on the University campus has been supported by DRDO for Research on High Energy Materials to the tune of Rs.113 Crores in the third phase.

Top Grades by various ranking agencies

The University opted for a rigorous evaluation by the National Assessment and Accreditation Council (**NAAC**) of the University Grants Commission. The Apex Council of **NAAC** awarded the top grade to the University.

The University has gone through the reaccreditation process of the NAAC and the NAAC had awarded a Cumulative Grade Point Average (CGPA) of 3.72 on 4.0 scale at 'A' grade for a period of 5 years up to 2019 in the third cycle.

The University has been ranked 5th among Universities and overall 11th by National Institute of Ranking Framework (NIRF) for the year 2018.

QS World rankings (**2016-17) ranked UoH one of the best places to study English Language & Literature, Chemistry and Physics. In 2017 it was ranked in the range 91-100 of fastest growing Universities.**

The University has also been rated by the NISSAT (National Information System for Science and Technology) of the Department of Scientific and Industrial Research (DSIR), Government of India, as the only University under the 'High Output High Impact' category among the top 50 institutions in India with publications in citation index journals.

DST support for augmenting research facilities

The Department of Science and Technology (DST) of the Government of India sanctioned over Rs. 11.96 crore under the FIST (Fund for Improvement of Science and Technology) to four Science Schools of the University to augment research facilities.

In addition to this, the DST has established High Performance Computing Facility, Centre for Nanotechnology, Centre for Modeling, Simulation and Design at University of Hyderabad under the FIST Programme with a total financial support of Rs.24 crore.

A member of AIU and ACU

The University is a member of the Association of Indian Universities (AIU) and the Association of Commonwealth Universities (ACU).

CONTENTS

THE UNIVERSITY

The University of Hyderabad, *a premier institution of postgraduate teaching and research* in the country, was established by an Act of Parliament (Act No. 39 of 1974) on 2nd October, 1974 as a Central University, wholly funded by the University Grants Commission.

The "*objects of the University*" as envisaged in the Act are: *"to disseminate and advance knowledge by providing instructional and research facilities in such branches of learning as it may deem fit and by the example of its corporate life, and, in particular, to make special provisions for integrated courses in humanities and science in the educational programmes of the University and to take appropriate measures for promoting inter-disciplinary studies and research in the University."*

The University's scenic and serene campus is spread over a vast stretch of land measuring about 2,000 acres, on the old Hyderabad - Bombay road. Amidst the picturesque environment of the campus, several buildings catering to the academic needs, support facilities and residential requirements of the campus community have been constructed over the years. The University also has a city campus 'The Golden Threshold' the residence of the late Sarojini Naidu which was bequeathed to the University by her daughter, the late Padmaja Naidu.

Schools of Study

1. School of Mathematics and Statistics
2. School of Computer and Information Sciences
3. School of Physics
4. School of Chemistry
5. School of Life Sciences
6. School of Humanities
7. School of Social Sciences
8. School of Economics
9. Sarojini Naidu School of Arts and Communication
10. School of Management Studies
11. School of Medical Sciences
12. School of Engineering Sciences and Technology

The Schools of Mathematics and Statistics, Computer and Information Sciences, Chemistry, Economics, Management Studies, and Engineering Sciences & Technology are single discipline schools and the others are multi-department schools.

Departments / Centres of Study

The **School of Physics** has the following Centres:

1. Centre for Advanced Studies in Electronics Science and Technology (CASEST)
2. Advanced Centre of Research in High Energy Materials (ACRHEM)
3. Centre for Earth, Ocean and Atmospheric Sciences (CEOAS)

The **School of Life Sciences** has the following Departments and a Centre:

1. Department of Biochemistry
2. Department of Plant Sciences
3. Department of Animal Biology
4. Department of Biotechnology and Bioinformatics
5. Centre for Systems Biology

The **School of Medical Sciences** has the following Centres:

1. Centre for Health Psychology
2. Centre for Neural and Cognitive Sciences

The **School of Humanities** has the following Departments and Centres:

1. Department of English
2. Department of Philosophy
3. Department of Hindi
4. Department of Telugu
5. Department of Urdu
6. Centre for Applied Linguistics & Translation Studies
7. Centre for Comparative Literature
8. Department of Sanskrit Studies
9. Centre for the Study of Foreign Languages
10. Centre for English Language Studies
11. Centre for Dalit and Adivasi Studies and Translation
12. Centre for Endangered Languages and Mother Tongue Studies
13. Centre for Buddhist Studies

The **School of Social Sciences** has the following Departments and Centres:

1. Department of History
2. Department of Political Science
3. Department of Sociology
4. Department of Anthropology
5. Department of Education and Education Technology
6. Centre for Regional Studies
7. Centre for Folk Culture Studies
8. Centre for the Study of Social Exclusion and Inclusive Policy
9. Centre for the Study of Indian Diaspora
10. Centre for Knowledge, Culture & Innovation Studies
11. Centre for Human Rights
12. Centre for Women's Studies
13. Centre for Ambedkar Studies

The S.N. School of Arts and Communication has the following Departments:

1. Department of Dance
2. Department of Theatre Arts
3. Department of Fine Arts
4. Department of Communication

Other Centres offering Academic Programmes

1. **College for Integrated Studies** (CIS)

All Schools of the University, Departments and Centres are located on the main campus in Gachibowli. Several of the Schools and Departments of the University have obtained financial support from the University Grants Commission under the Special Assistance Programme and COSIST for excellence in teaching and research.

Over the years, the teaching and research programmes of the University have been firmly established. The students are selected through a nationwide entrance test. About 31% of the students are Ph.D. scholars and approximately 39% of the students are women. Till 31.12.2017, over 28,620 students of the University had been awarded various degrees through formal education, which consists of 2,927 Ph.Ds. 4,597 M.Phils., 2,402 M.Techs and 18,694 Postgraduate Degrees and Diplomas. The Faculty of the University include 193 Professors, 71 Associate Professors, and 145 Assistant Professors.

The Faculty of the University have published widely and have obtained research support from several funding agencies. Several Faculty members have won national and international awards and honours in recognition of their outstanding work in their respective fields.

ABOUT HYDERABAD

Founded by Quli Qutub Shah in 1591, this large metropolis is unique in its rich architectural glory and blend of diverse linguistic, religious and ethnic groups and is an ideal place indeed to locate a Central University. The weather for most part of the year is pleasant except for the months of April and May when the temperature is likely to go up to 40°C. The intellectual climate is vibrant. Hyderabad is home to nine major Universities and several research institutions, laboratories, libraries and IT companies.

MEDIUM OF INSTRUCTION, COURSES, CRITERIA FOR ADMISSION AND ENTRANCE EXAMINATIONS

Medium of Instruction

The medium of instruction for all the courses is **English** except the language courses for which the medium of instruction is the **language concerned**.

Courses of Study

Admissions during 2018-19 are open for the following courses:

IMA/IM.Sc. Courses (5-year Integrated)

I.M.Sc. Courses in Sciences   **(10 Semesters)**

Mathematical Sciences

Physics

Chemical Sciences
Systems Biology
Health Psychology

Master of Optometry (M.Optom) Course (6-Year Integrated)

I.M.A. Courses in Humanities   **(10 Semesters)**

Hindi, Telugu and Language Sciences

I.M.A. Courses in Social Sciences   **(10 Semesters)**

Economics, History, Political Science, Sociology and Anthropology

Postgraduate Courses

M.Sc. courses   **(4 Semesters)**

Mathematics/Applied Mathematics
Statistics-OR
Physics
Chemistry
Biochemistry
Plant Biology & Biotechnology
Molecular Microbiology
Animal Biology and Biotechnology
Biotechnology*
Ocean and Atmospheric Sciences
Health Psychology
Neural and Cognitive Science

* The admissions for M.Sc. Biotechnology course will be based on the allotment made by the Jawaharlal Nehru University (JNU), New Delhi through CEEB, a common entrance test in May 2018.

M.C.A.	(6 Semesters)
M.B.A. Business Analytics	(4 Semesters)
M.B.A. Health Care and Hospital Management	(4 Semesters)
M.B.A.	(4 semesters)*

The admissions to MBA course for the academic year 2018-19 have been completed based on the percentile scores of the applicants in CAT 2017 followed by Group Discussion/Interview.

M.A. courses   (4 Semesters)

English
Philosophy
Hindi
Telugu
Urdu
Applied Linguistics
Comparative Literature
English Language Studies
History
Political Science
Sociology
Anthropology
Education
Economics
Financial Economics
Communication

M.P.A. Dance   **(4 Semesters)**

(Kuchipudi and Bharatanatyam)

M.P.A.Theatre Arts   **(6 Semesters)**

M.F.A. Courses   **(4 Semesters)**
Painting, Print Making and Sculpture
Art History & Visual Studies

Master of Public Health (MPH)   **(4 semesters)**

Master of Education (M.Ed.)   **(4 semesters):**
                                                    The course shall be offered subject
                                                    to University getting approval
                                                    from NCTE.

PG Diploma in Sanskrit Computational Linguistics   **(2 semesters)**

M.Tech. Courses   **(4 Semesters)**

Computer Science

Artificial Intelligence

Information Technology -   (The course is offered in collaboration with IDRBT, an Institute established by the Reserve Bank of India)

Integrated Circuit Technology (I.C.T.)

Bioinformatics -   (The course is offered in collaboration with the Centre for DNA Fingerprinting and Diagnostics [CDFD], Hyderabad)

Materials Engineering

Admission to all MTech courses is through CCMT.

5-year Integrated M.Tech in Computer Science   (10 semesters)

Admission is through CSAB of JEE

M.Phil. Courses   (2 Semesters)

English
Philosophy
Hindi
Urdu
Applied Linguistics
Translation Studies
English Language Studies
History
Political Science
Sociology
Social Exclusion & Inclusive Policy
Economics

Ph.D. Programmes   (3 to 6 Years)

Mathematics
Applied Mathematics
Statistics / Operations Research (OR)
Computer Science
Physics
Electronics Science
Earth, Ocean and Atmospheric Sciences
ACRHEM
Chemistry
Biochemistry
Plant Sciences
Animal Biology
Biotechnology
English
Philosophy
Telugu
Urdu
Applied Linguistics

Translation Studies
Sanskrit Studies
English Language Studies
History
Political Science
Sociology
Social Exclusion & Inclusive Policy
Education
Economics
Dance
Communication
Management Studies
Health Sciences
Psychology
Cognitive Science
Materials Engineering
Nanoscience and Technology

Integrated M.Sc./Ph.D.   (2 to 8 years)

Biochemistry and Molecular Biology
Biotechnology

NOTE:

1. *The University reserves the right to cancel/not to offer any of the courses mentioned above. The University also reserves the right to increase or decrease the intake of any course due to administrative reasons.*
2. *The assigning of supervisors for candidates seeking admission to any of the Ph.D. programmes will be determined by the specific Department/Centre/School in adherence to the limits on numbers as prescribed by the UGC regulations 2016.*

A separate advertisement will be released later for admission to Ph.D. Computer Science and Electronics Sciences (under Visvesvaraya Ph.D. Scheme, Govt. of India).

Criteria for Admission

The University offers excellent facilities for Postgraduate, 5 -Year Integrated Master's Degree Courses, and Research Studies in several major areas in Sciences, (including Medical Sciences, Engineering Sciences & Technology), Humanities, Social Sciences, Performing Arts, Fine Arts, Communication and Management Studies.

Admission to the University is open to all who fulfil the prescribed qualifications without any distinction of race, creed, language or gender. The selection is made strictly on the basis of merit at the entrance examination. The candidate should produce all original certificates at the time of admission.

Any student will be eligible for admission to the Postgraduate Degree Courses must have successfully completed a three year Undergraduate Degree through an examination conducted by a University/ Autonomous College. However, as a transitory measure, a candidate who has passed a two year degree course may also be considered for admission provided she/he has undergone a further one year bridge course and passed the same.

The minimum eligibility requirements for admission to the above courses are given in a tabular form at the end of this chapter.

The eligibility of candidates passing their qualifying examinations from Universities following the letter grading system / CGPA will be determined on the basis of percentage equivalent to the letter grade/ CGPA obtained by the candidates according to the conversion formula adopted by the University concerned. In the absence of any such formula, the decision of the University shall be final and binding on the candidates.

Candidates who may be appearing for the qualifying degree examination and expecting their results and certificates before 31.7.2018 are welcome to apply for admission.

Candidates who have completed or will be completing all the formalities viz., written the theory examinations, completed practical examinations, submitted Project reports, completed viva-voce exams etc. before **31.7.2018** and are awaiting the results of the qualifying degree examination and those who are due to appear in the qualifying degree examination in the above stated aspects and expecting their results to be declared and are getting their certificates before **31 July, 2018** are allowed to appear for the entrance test. The condition is that, in case of their selection to a course in the University, they should submit the certificates of the qualifying degree examination and other earlier examinations positively **at the time of completion of the admission.** However, the University may give extension of time up to **31.8.2018** to submit the certificates of the qualifying degree examination. Such candidates will be given conditional admission up to **31.8.2018** only. *However, this facility shall not be extended to those who are taking regular or supplementary or improvement examinations of the qualifying degree after 31.07.2018 and waiting for the results.* In the event of the concerned students failing to (i) submit their certificates of the qualifying Degree examination by **31.8.2018**, and (ii) not passing the qualifying degree examinations with the prescribed percentage of marks, they will not be allowed to attend classes any further and their Provisional admission stands cancelled forthwith. No request will be entertained for extension of time to submit the certificates under any circumstances beyond **31.8.2018**.

In case of non-submission of other certificates like Transfer Certificate, Migration Certificate and any other academic certificate other than the qualifying degree examination certificates, students may be allowed time upto **31.8.2018**, failing which the Provisional admission of such candidates stands cancelled forthwith.

In the case of candidates admitted into Ph.D. programmes under the result awaited category those who have completed all the formalities including the viva voce of their M.Phil./M.Tech. Courses before the date of their admission **or 31.8.2018** whichever is earlier and are awaiting their results may be allowed to submit their M.Phil or M.Tech results and certificates within a maximum period of **one year** from the date of their admission. During this period, they will not be paid any scholarship or fellowship. Once they submit the certificates, proving their eligibility for admission into the Ph.D., their scholarship/fellowship will be paid with retrospective effect from the date of their admission. If they fail to submit the results and the certificates within one year, their admission shall stand cancelled forthwith.

All courses at the Master's Degree level, 5-Year Integrated Master's Degree, M.Phil, M.Tech, 5-year Integrated M.Tech in Computer Science, and Integrated M.Sc./Ph.D. are full time regular courses. For Ph.D. programmes, the candidates are encouraged to join as regular students. However, for those who are not in a position to do research on full time basis, a limited provision exists for part time research. Facility is also available for external registration to Ph.D. on regular basis at the recognized Centres of the University. The details are given in subsequent paragraphs of this chapter.

Students admitted to the regular courses are not allowed to pursue any other course except part time evening Certificate/Diploma Course of a Professional nature with prior permission of the School /Department / Centre concerned of the University. They are also not allowed to take up any employment during the period of their studies in the University. Those employed, if selected for admission, are required to submit at the time of completion of their admission, a "**No Objection Certificate**" besides orders from the competent authorities sanctioning leave covering the entire duration of the course, failing which, the provisional selection for admission for such candidates will be cancelled.

Reservation of Seats: The University follows the reservations strictly in accordance with GOI policy/rules and the guidelines of the UGC from time to time.

1. **Reservation of Seats**

In accordance with the policy of the Government of India and the guidelines of the University Grants Commission, the University has reserved 15% of seats in each course for candidates belonging to the Scheduled Castes and 7.5% for those belonging to the Scheduled Tribes, with a provision for inter changeability between these categories, wherever necessary. *Candidates should submit a copy of the certificate of their caste/ tribe from a Revenue Officer not below the rank of Tahsildar / Mandal Revenue Officer at the time of interview, admission/counselling*. Remedial courses in English and other subjects are conducted for such students depending upon the actual need.

 Note: SC/ST candidates belonging to the State of Telangana and Andhra Pradesh should submit an Integrated Community Certificate issued by the competent revenue authority.

For admission to all Postgraduate Courses, viz., M.A., M.Sc., M.C.A., M.F.A., M.P.A., Courses and 5-Year Integrated Master's Degree Courses, the minimum eligibility condition for SC/ST candidates is **"Pass"** in the minimum qualifying examination..

For admission to M.Phil and Ph.D. a **relaxation of only 5%** marks in the minimum eligibility condition is provided to SC/ST/OBC and PH candidates.

2. **Reservation of seats for OBC candidates**

In accordance with the policy of the Govt. of India and the guidelines of the University Grants Commission, 27% of the seats are reserved for OBC (non-creamy layer category) candidates.   For admission to M.Phil. and Ph.D. a **relaxation of only 5%** marks in the minimum eligibility condition is provided to SC/ST/OBC and PH candidates as per the UGC Regulations, 2016. Candidates claiming reservation under this category must enclose an attested copy of the OBC (non-creamy layer) certificate issued by a competent authority in the **format prescribed by GOI** without which their application will not be considered under OBC category.

Note: Every candidate who claims to belong to a SC or ST or OBC (non-creamy layer) has to produce a certificate to the University before her/his admission as sufficient proof in support of the claim, so as to make her/him eligible for various relaxations and concessions granted to such candidates.

The certificate should be in strictly prescribed format issued by one of the competent authorities empowered for the purpose. No other certificate will be accepted as sufficient proof of the claim belonging to any reserved category for availing the benefits of reservations.

The admission granted to all such reserved candidates is provisional and subject to the certificates being verified through proper channels as per rules and if the verification reveals that the claim of a candidate who belongs to SC/ST/OBC as the case may be, is false the admission will be cancelled forthwith

without assigning any further reasons without prejudice to such further action as may be taken under the provisions of the Indian Penal Code for production of false certificates.

SC/ST certificates issued by the competent authority of the respective State Governments should produce a life time caste certificate or a certificate of valid duration at the time of admission. The OBC (non-creamy layer) certificate should be issued in the GOI format by the competent authority on or after 1.4.2015. It may please be noted that state BC/OBC certificates will not be accepted as a claim for reservation under OBC.

If it is brought to the notice of the University at any stage i.e. while pursuing a course or after the degree is awarded that the candidate got admission based on false certificate and is proved, then University reserves the right to cancel the admission/degree awarded as the case may be and also take action as per the provisions of the Indian Penal Code for production of false certificate.

3. **Reservation of seats for the Persons with Disability (PWD)/ Physically Handicapped (PH) candidates**

5% of seats on approved intake in each course are provided as supernumerary seats for the physically challenged candidates having minimum degree of disability to the extent of 40% provided that their physical disability does not come in the way of pursuing the course. This is split into: visually challenged (VH), hearing impaired (HI) and orthopedically handicapped (OH) candidates with a provision of interchangeability. The minimum eligibility requirements prescribed are relaxed in their cases as in the cases of SC / ST candidates. The candidates under this category should take the entrance examination for admission. *Physically Challenged candidates are required to submit a certificate from a Medical Board/Civil Surgeon of a Govt. Hospital indicating the extent of visual/physical disability and also the extent to which the disability hampers the candidate in pursuing her/his studies.* The candidates under this category are exempted from the payment of tuition and other fees to the University. For M.Tech and 5 Year Integrated M.Tech in Computer Science the reservation seat matrix is as per the CCMT and CSAB of JEE guidelines. The breakup of seats available has been appended at the end of this Prospectus.

The candidates under this category may have to undergo a fresh medical examination, if so prescribed by the University, before being admitted.

Visually challenged candidates appearing for the entrance examinations will be given **extra time of 20 minutes for two hour papers.** The University will provide scribes for such candidates if requested for it.

4. **Reservation of seats to the wards/dependents of Defence personnel**

Up to 5% of seats on the approved intake in each course of Integrated PG and PG are provided as supernumerary seats for the wards/dependents of Defence Personnel. The candidates should enclose a copy of the certificate issued by a competent authority in support of their claim without which their claim will not be considered. The candidates under this category should take the entrance examination for admission and fulfil all other requirements of admission.

Note: Seats are not reserved for DP category candidates in the M.Tech./ 5 Year Integrated M.Tech programmes as per the norms of CCMT and CSAB of JEE.
No supernumerary seat is reserved in M.Phil and PhD courses, as the intake has to be filled to the extent of vacant slots available with the faculty only as per the UGC Regulations, 2016. The breakup of seats available has been appended at the end of this Prospectus.

5. Reservation of seats for Kashmiri Migrants

Interested Kashmiri Migrant candidates shall apply online between 05-04-2018 to 05-05-2018 and pay prescribed fee through online link only (http://.acad.uohyd.ac.in). The Hard copy of online application along with the certificate of being Kashmiri Migrant be forwarded to: Section Officer (Acad), University of Hyderabad, P.O. Central University, Gachibowli, Hyderabad –500046 latest by **20.5.2018.**

Note: 1) No other mode of submission of application will be accepted or entertained except the procedure as laid down above.

2) If the Kashmiri migrant candidates wish to appear for the Entrance Examination then they should apply separately.

Reservation of seats for candidates coming from Jammu & Kashmir under special scholarship scheme: As proposed by the UGC, two supernumerary seats have been created for admitting the students coming from the state of Jammu & Kashmir under MHRDs special scholarship scheme. **As per the AICTE guidelines, this is only for those candidates who have passed 10+2 exam from the state of Jammu & Kashmir and would like to join undergraduate programmes in general degree, medical, architecture, pharmacy, law, nursing, agriculture, fisheries, horticulture, veterinary science, etc. The candidates need to apply through the dedicated website of AICTE for joining any of the above course in the universities/colleges allotted to them through AICTE counselling. The details of the guidelines of the special scholarship scheme for J&K may be seen at http://aicte-jk-scholarship.in**

Admission of Foreign Nationals 2018-19

Definition:
For the purposes of admission to the UoH, the term "Foreign National" implies any candidate holding a passport of a foreign country[1]. This category would include any Person of Indian Origin (PIO) or, Overseas Citizen of India (OCI) card holder who has a foreign country's passport.

Number of seats:
As per UGC guidelines Foreign Nationals will be admitted over and above the approved intake in a course up to a maximum of 15% of the approved intake in each course, depending upon the availability of adequate infrastructure. All the available seats may not be filled in a particular year if a subject's Admission Committee does not recommend anyone or if a program has inadequate infrastructure. Foreign nationals seeking admission through ICCR or other governmental agencies may apply to the University in the prescribed form through the respective bodies.

Eligibility:

a) **Applications**:

The University may consider admission of foreign nationals, "*in absentia*", on the basis of their desire "to be considered *in absentia*.[2] Their admission under the 15% bracket for International Student, to any program is subject to the condition that they are found suitable for admission by the Admissions Committee of the Centre/Department/School.

b) **Academic qualification**: A prospective Foreign National has to fulfil the eligibility conditions, including the required qualifying degree and marks/grades, as prescribed for Indian students. These conditions can be found in the prospectus which is available on the University website (**www.uohyd.ac.in or http://acad.uohyd.ac.in**). In case a student's parent University does not have a program which is prescribed as minimum eligibility condition, equivalent program may be considered. In this respect the Admission Committee's decision is final.

1   NRI's with Indian Passport are Indian Nationals and therefore, cannot be considered as International Students.

2   Foreign Nationals whose qualifying degree is from India and who are resident in India at the time of application, in order to be considered for admission into any program/course should take some part of the entrance examination in the form of Interviews in the University as prescribed by the Centre/Department/ School. See additional requirements for School of Computer and Information Sciences, Department of Bioinformatics and Biotechnology, check weblink:

http://moodle. ᵤohyd.ac.in/index.php/component/content/article/160-admissions/internationa-students/339

c)   **English proficiency**: Proficiency in English is a pre-condition for admission of foreign nationals. It is mandatory that all Foreign Nationals should provide one of the following two scores. The score should not be older than two years. International English Language Testing System (**IELTS**)—Academic version—minimum score of 6.5 is required; Test of English as Foreign Language (**TOEFL**)—paper-based TOEFL: a minimum score of 560 is required; Computer-based TOEFL: a minimum score of 220 is required; internet-based TOEFL: a minimum score of 80 is required.

Applications should be accompanied by copies of relevant certificates, marks sheets together with the English version of such copies duly attested, if they are in a different language. All foreign nationals seeking admission to the University will be required to produce a medical certificate of fitness from a recognized hospital in their country. Those offered admission may also be required to undergo a comprehensive medical examination as prescribed by the University.

Deadline for receiving applications:

Foreign Nationals may apply for admission any time during the year. However, the deadline for being considered for any academic year (which generally begins in mid-July) is April 15 of that year. The decision of Admissions Committee will be intimated to the candidates by May 31. For all other details of application form and admission, please visit **http://moodle. uohyd.ac.in/index.php/component/content/article/160-admissions/internationa-students/339. All completed application forms with relevant documents and enclosures can be sent by e-mail to acadinfo@uohyd.ernet.in or ar_acad@uohyd.ernet.in or by post to the Section officer (Academic Section), Office of Controller of Examinations, University of Hyderabad, P.O. Central University, Gachibowli, Hyderabad – 500 046, Telangana.**

Entrance Examinations

1. **The question paper should be answered only in English** except in the case of admission to **language courses** for which the **question paper should be answered in the language concerned.**

2. The Entrance Examinations for various P.G. Degree Courses, I.M.Sc. (5-year Integrated) courses in Sciences and I.M.A. (5-year Integrated) courses in Humanities and Social Sciences will consist of only a written test of 100 marks.

3. The entrance examinations in the case of MPA, MFA and M.A. in Communication   in the Sarojini Naidu School, MBA Health Care and Hospital Management, MBA Business Analytics will consist of a written test and a practical test/interview. Only such candidates who are found successful in the written test will be called for the practical test/interview at Hyderabad. *The tentative schedule for the written test, practical test/ interview for all the courses is given in a tabular form at the end of this chapter.*

4. The entrance examination for the **MBA Health Care and Hospital Management and MBA Business Analytics,** will consist of a written test and an interview. The written test will carry 75 marks and the interview 25 marks.

5. **Admission to all M.Tech. Courses will be as per the guidelines of CCMT Centralized Counseling for M.Tech.)**

6. The admission to **5-Year Integrated M.Tech**. **Computer Science** will be done through **CSAB** based on JEE (Main) examination score 2018.

7. The admission to **MCA** will be done through **NIMCET-2018** scores.

8. Please see section on **Minimum qualifications for admission to various courses and intake for the academic year 2018-19**, for instructions to sponsored candidates.

9. The performance of the candidates in the test consisting of objective or multiple choice questions will be evaluated using the OMR technology as listed below. The candidates will be required **to mark the answers in the OMR Sheet with blue or black ball-point or sketch pen** during the test. Necessary instructions will be given in the relevant question papers.

10. **The question paper for the following subjects shall be answered on OMR sheet**:

    I.M.Sc. and I.M.A. (5-year Integrated) in different disciplines; M.Sc. - Mathematics/Applied Mathematics, Statistics-OR, Physics, Chemistry, Biochemistry, Plant Biology & Biotechnology, Molecular Microbiology, Animal Biology & Biotechnology, Ocean and Atmospheric Sciences, Health Psychology; Master of Public Health (MPH); M.A. - English, Philosophy, Hindi, Telugu, Applied Linguistics, Comparative Literature, History, Political Science, Sociology, Anthropology, Economics, Communication, MPA Theatre Arts, MFA Painting, Print Making, Sculpture, Art History and Visual Studies, M.Phil. – Hindi, Comparative Literature, Political Science, Economics, Anthropology, Ph.D. in Mathematics/Applied Mathematics, Statistics, Computer Science, Physics, Chemistry, Biochemistry, Plant Sciences, Animal Biology, Biotechnology, , Telugu, Applied Linguistics, Translation Studies, Political Science, Anthropology, Economics, Management Studies, Materials Engineering, Nanoscience and Technology Cognitive Science and Integrated M.Sc./Ph.D. Biotechnology and Biochemistry and Molecular Biology.

Note:

a) The question paper of some more subject's viz., M.Phil. English, Philosophy, Urdu, Sociology, Ph.D. in English, Philosophy, Urdu, Comparative Literature, English Language Studies, Dalit and Adivasi Studies, Sociology need to be answered partly in OMR sheet and partly in a separate answer book as per the instructions provided in the question paper.

b) There is a possibility of some more subjects to be added in the above list. Therefore, the instructions on the question paper concerned shall be final

11. The written tests for all the courses will be held from **1st June to 5th June, 2018** at 38 different Centres in the country, as listed in this chapter.

12. The duration of the written test for all courses will be **two** hours. Late coming is allowed upto 15 minutes from the commencement of Exam and candidates will be allowed to leave the examination hall after completion of the exam only.

13. **A candidate is free to apply for admission to as many courses as She/he wishes after ensuring from the schedule for the Entrance Examination that there is no clash in the subjects of his/her choice**. *The University has made the best possible efforts to avoid overlap in the schedule of examinations of related subjects to the extent possible. The candidates are advised to study the examination schedule carefully before deciding on their choice of subjects.*

14. **Please read the following carefully**:

The question paper for the entrance test for all courses (except for M.Phil. and Ph.D. courses - please see the Chapter on 'Schools of Study' for further details) shall consist of two parts - Part-'A' and Part-'B'.

All candidates applying for M.Phil. and Ph.D. courses may refer to UGC Regulations 2016 for details at http://www.ugc.ac.in/pdfnews/3375714_API-4th-Amentment-Regulations-2016.pdf

The Question paper of M.Phil. and Ph.D. courses shall consist of 80 marks in two section, as per the UGC Regulations 2016. Part A, 40 marks, will be Research Methodology, broadly will be as follows :

Research Methodology: "The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.

It was decided that this part of the Entrance Test be in the lines of Paper-1/Part-1 of the UGC-CBSE/CSIR JRF exam.

Part B : 40 marks, will be on subject concerned.

Negative marking in the whole Question paper or for any Part shall be the choice of the School/Department/Centre.

The Entrance Exam marks shall be used only for shortlisting candidates to be called for interview.

The **Interview** will be conducted for **25** marks.

The basis of final shortlisting of candidates for admission will be on merit of marks obtained in **Interview only.**

The Admission Committees of various Schools will determine the due weightages to the following components like:

1. Research Proposal and its defence
2. Academic Record/Performance in PG/Gold Medal/Performance in the Written Test
3. Having fellowship/M.Phil/NET/SET
4. Publications
5. Research Experience etc.
   The details of exact breakup for each course is available at the end of the Prospectus.

The following criteria shall be followed, in sequence to resolve ties, where candidates secure the same marks in the written test:
   (a) *First criterion*: Marks obtained in Part - A of the written test.
   (b) *Second criterion*: Marks obtained by the candidates in the qualifying degree/other examination. If the final result is not available, then the marks up to the 2nd year will be taken into account**.**
   (c) *Third criterion*: Marks obtained in the degree examination immediately preceding the qualifying degree examination**.**
   (d) *Fourth criterion*: Marks obtained in the next lower public examination**.**

Interviews for candidates short-listed for admission to M.Phil, M.Tech, and Ph.D. on the basis of written test will be held from 9**th July to 13th July 2018** and for the courses offered by the S.N.School to be held between **28th June – 1st July and,** in the respective Schools/ Departments/ Centres. **However, exact dates of the interview/practical test will be notified and made available on the University website for the information of the short listed candidates.**

Candidates called for the entrance examinations (Both written and/or practical test / interview) will appear for the examinations at their own expense.

For M.Phil./Ph.D. courses the **cut off** in qualifying exam (i.e. Entrance Examination) as provided in UGC Regulations 2016 and approved by Academic Council will be followed. The candidates will be called for interview in the ratio of 1:6 subject to fulfilment of the cut off in the Qualifying Exam or on recommendation of Admission Committees of the School/Department/Centre as the case may be. The **merit list** for admission will be prepared based on the **performance in the Interview** only.

No cut off marks in the entrance examination: The University has decided not to have any cut off marks in the entrance examination i.e., in the written test or interview or written test plus interview put together for admission to any **Postgraduate** course for any category during the year 2018-19. Wherever the admission is based on written test and interview, the candidates to be called for interview in ratio **up to 6 times** of the approved intake for the Postgraduate courses.

All previous years question papers are available at the link given below:
http://igmlnet.uohyd.ac.in:8000//question-papers.html

Schedule for notification of the entrance examination results etc. and making them available on the University website

	Tentative dates of Results announcements		
	Notification of shortlisted candidates for interviews/ practical tests	Notification of shortlisted candidates for Admission counselling	Notification of list of selected candidates s (Main & waiting lists)/Admission counselling
PG Degree Courses in Sciences, Humanities, Social Sciences and 5-Year Integrated M.A./M.Sc. courses	---	---	**2.7.2018**
All M.Phil, Ph.D, courses and MBA in Health Care and Hospital Management, MBA Business Analytics	**26.6.2018**	---	**26.7.2018**
M.Tech. CS/AI/IT, IC Tech., Bioinformatics, Materials Engineering, 5-year Integrated M.Tech. in CS	---	**---**	---
P.G. courses of S.N. School	**19.6.2018**		**5.7.2018**
These are tentative dates, the exact dates shall be notified in our website.			

Note:*(i) The Entrance results will be made available on the internet:*http://acad.uohyd.ac.in;
(ii) No request for extension of time for interview/practical test **or** for completion of admission will be entertained on account of any reason/s whatsoever.

The University will not communicate any of the above information to the candidates concerned by post. Therefore, it is the responsibility of the candidates to obtain the information on their selection by visiting the University website

Commencement of classes for all courses:
All PG courses/5-year Integrated/M.Tech. CS/AI/IT   **16.7.2018**

All PG courses of S.N. School & Integrated MSc PhD courses   **16.7.2018**

All M.Phil. & Ph.D. programmes   **09.8.2018**

1) Wherever interview is a component of entrance examination for admission (which is an essential component of entrance examination), though the candidates secure more than the marks secured by the last candidate under the selected list in the written test and **fail to appear for the interview shall not be entitled for admission**.

2) **Part time/ External registration to Ph.D**.: Facility exists to 1/8th of the total intake for all Schools/ Departments/Centres except School of Computer Information Sciences (SCIS) and School of Engineering Sciences and Technology (SEST) which can have upto 25% for part time and external registration for Ph.D. Programmes within the total intake notified in the prospectus. Persons engaged in teaching and research in reputed institutions are eligible for admission under this category, provided they fulfill the minimum eligibility requirements and are found successful in the entrance examination

as prescribed. This facility is limited to those working in the twin cities (Hyderabad and Secunderabad) in respect of Science Schools (except Mathematics and Statistics) and anywhere in Telangana and Andhra Pradesh for the remaining Schools. However, the conversion of part time Ph.D. to full time Ph.D. is not permissible. The University also provides facility for admission to the Ph.D. under External Registration category. The external candidate shall work at the recognized institution. The admission procedure is the same as in the case of regular admissions to Ph.D. Candidates will be under joint supervision viz., one from the University and the other from the recognized institution.

List of Institutions recognized as External Centres

The following Institutions in the twin cities of Hyderabad and Secunderabad have been recognized by the University for External Registration to Ph.D. in the subjects indicated against them.

S.No.	Name of the Institution	Subject/s of Research
1	National Remote Sensing Centre	Physics and Earth Ocean & Atmospheric Sciences
2	National Geophysical Research Institute (NGRI)	Physics and Earth Ocean & Atmospheric Sciences
3	Defence Metallurgical Research Laboratory	Physics, Engineering Sciences & Technology
4	National Institute of Rural Development (NIRD)	Economics and Anthropology
5	Centre for Economic and Social Studies	Economics and Anthropology
6	National Institute of Small Industry Extension Training	Economics
7	Institute of Public Enterprise	Economics
8	Advanced Data Processing Research Institute	Computer Science
9	Advanced Numerical Research and Analysis Group (ANURAG)	Computer Science
10	Research Centre Imarat (RCI)	Computer Science
11	Institute for Development and Research in Banking Technology (IDRBT)	Computer Science
12	ICAR - Indian Institute of Rice Research	Life Sciences
13	ICAR - Indian Institute of Oil Seeds Research	Life Sciences
14	International Crops Research Institute for Semi Arid Tropics (ICRISAT)	Life Sciences
15	Centre for DNA Fingerprinting and Diagnostics (CDFD)	Life Sciences
16	Institute of Life Sciences (ILS)	Life Sciences
17	Bharat Biotech Foundation	Life Sciences
18	L V Prasad Eye Institute	Biochemistry, Animal Science and Medical Sciences
19	Shantha Biotechnics	Animal Sciences
20	Indian Immunologicals	Animal Sciences
21	National Institute of Nutrition (NIN)	Biochemistry
22	National Institute of Animal Biotechnology	Animal Sciences, Biochemistry, Biotechnology and Bioinformatics
23	International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI)	Engineering Sciences & Technology
24	Non-ferrous Materials Technology Development Centre (NFTDC)	Engineering Sciences & Technology
25	Asian Health Care Foundation	Medical Sciences
26	Indian National Centre for Ocean Information Sciences (INCOIS)	Earth Ocean & Atmospheric Sciences

| 27 | Prof. C.R. Rao Advanced Institute of Mathematics, Statistics and Computer Science | Computer Science, Mathematics & Statistics, Biotechnology and Bioinformatics |

Ph.D. admissions for January 2019 Session:

After completion of the regular admissions in June/July, 2018, vacant seats if any, in the Ph.D. programmes may be filled, for which the candidates have to apply in the prescribed application form. Written test will be conducted at **Hyderabad centre** only. Based on written test performance, candidates will be shortlisted for Interview. Selections for admission will be made based on the performance of the candidates in the interview.

Schedule for Ph.D. January 2019 session

Release of admission announcement	**5.10.2018**
Commencement of online submission	**6.10.2018**
Last date for submitting online application	**30.10.2018**
Downloading of Hall tickets for written test	**7.11.2018**
Entrance Examinations (written test)	11.11.2018
Sorting and handing over of the descriptive answer books to the Schools/ Departments/ Centres	14.11.2018
OMR Evaluation	17.11.2018
Submission of written test (descriptive) results to CE's office	16.11.2018
Notification of list of selected candidates for interview	21.11.2018
Interviews for the Ph.D. programmes	28.11.2018 29.11.2018
Submission of the final results for the above courses	**1.12.2018**
Notification **of the list of selected/Wait listed candidates available on the website**	**12.12.2018**
Admissions for Ph.D. programmes	2.1.2019 & 3.1.2019
Commencement of classes	**3.1.2019**

The University will not issue any press notification in this regard. However, information indicating the likely number of seats to be filled in each School/Department/Centre, will be available at the University's web site: www.uohyd.ac.in and http://acad.uohyd.ac.in/

Note: Candidates for admission to Ph.D during the above session **should possess the certificates of their qualifying degree examination by the date of their interview**. Selected candidates must submit all their qualifying degree certificates and other certificates required at the time of admission. Extension of time will not be granted for submission of any of the certificates during these sessions and the provisional selection for admission will automatically stand cancelled in the case of those who are unable to submit the certificates required for admission on the date of completion of the admission formalities.

Semester-wise Registration System

In order to maintain an effective enrolment of students and their progress in their studies/research, the University has introduced a system of student registration at the beginning of each semester for all the courses offered on regular basis including part time/external registration for Ph.D. A schedule for semester-wise registration is given in the Academic Calendar in the Prospectus. However, a schedule for semester wise registration will be notified by the Academic Section from time to time. Students of all the courses (P.G./ I.M.A./I.M.Sc. (5-Year Integrated) / M.Phil./ M.Tech./ Ph.D./ Integrated M.Phil./Ph.D./Integrated M.Sc./Ph.D.), are required to clear their dues of the earlier semester/s in all respects in order to be eligible for the registration to the following semester.

Every Ph.D. student (regular/part-time/external) should enclose a copy of the report of the doctoral committee of the previous semester to the requisition form of the semester registration, without which ongoing semester registration will not be done.

Implementation of Credit System for all the courses

The credit system has been implemented for all the courses/programmes offered by the University. The guidelines for evaluation of students under this system are available in **Chapter 6** of this brochure.

General Instructions for applying to the Entrance Examination:

1) Before filling the Online Application Form, candidates are advised to read the instructions carefully and complete the form accordingly, particularly about their performance in the qualifying degree or earlier examinations. This is necessary since the performance of the candidates in the qualifying degree and earlier examinations shall be used in determining relative positions in the merit list for those candidates who secure the same marks in the written test (tie cases). The entrance examination fees once paid will not be refunded.

2) If a candidate applies in a particular category, he will be considered only for that category. For example, if a candidate applies under OBC/PH/DP and pays the fees accordingly (ie. less than the General Category) and could not produce the certificate than he/she will not be considered as General Candidate, as he has not paid the required application fees.

3) The last date for receiving the completed applications for admissions for the July session is **May 5, 2018.** Applications received after the closing date will not be considered. *For further details, please refer to the "Instructions to the Candidates for filling the application form"*.

4) **All disputes are subject to Hyderabad jurisdiction.**

Hall Tickets for the Entrance Examinations:

a) The Hall Tickets will be made available for downloading on the University website by **22nd May 2018**. The University will not send the hall tickets by post.

b) The candidates are required to download the hall tickets and appear for the examination at the Centre allotted. **Candidates will not be permitted to write the entrance exam at any other Centre except the Centre mentioned in the hall tickets downloaded.**

c) It may be noted that all those who apply may be issued Hall Tickets without verifying whether or not they fulfil the eligibility criterion for admission to a course. This will be examined at the time of final admission, if granted. The candidates are therefore advised to go through the Prospectus-cum-application 2018-19 carefully and judge their eligibility before submitting their application forms. Despite this caution, in case the candidates do not meet the minimum eligibility criteria and still apply for the entrance examination, they will do so at their own risk and cost. Mere issue of Hall Ticket and allowing a candidate for entrance examination including interview/practical test and allowing a candidate to complete the admission which is provisional will not entitle a candidate for any claim on the provisional admission if she/he does not fulfil the required eligibility conditions

for admission as prescribed in the Prospectus-cum-application form 2018-19 **which will be verified at the time of admission. At any stage (during the pursuance of the course/programme if it is found that any candidate does not fulfill the minimum eligibility requirements**, the provisional admission that was granted, shall be cancelled forthwith.

d) *Use of cell/mobile phones in the Examination Hall is strictly prohibited.*

Candidates will be required to produce the Hall Ticket at the time of the entrance examination/ interview/ practical test and completion of admission, if granted.

List of Examination Centres:

S. No.	Centre		Venue of the Centre
1.	Ahmedabad	AHM	K. S. School of Business Management, Gujarat University Campus, Navarangpura, Ahmedabad – 380009
2.	Aizawl	AIZ	Pachhunga University College, Aizawl – 796001, Mizoram
3.	Anantapur	APR	Sri Sai Baba National Degree College, Opp. Z.P. Office, Govt. Hospital Road, Anantapur
4.	Bengaluru	BAN	R.V. Teacher College, II Block, Jayanagar, Bangalore
5.	Bhopal	BPL	University Institute of Technology, Rajiv Gandhi Proudyogiki Vishwavidyalaya, Airport Road, Gandhi Nagar, Bhopal – 462033
6.	Bhubaneswar	BNR	PG Department of Political Science, Utkal University, Vani Vihar, Bhubaneswar – 751004
7.	Calicut	CAL	St. Joseph's College (Autonomous), Devagiri, Kozhikode - 673008
8.	Chennai	CNI	Chandrasekhar Hall, 1st floor Main Building, The Institute of Mathematical Sciences, IV Cross Road, CIT Campus, Taramani, Chennai-6000113
9.	Cochin	CHN	Department of Polymer, Science and Rubber Technology, CUSAT, Kochi – 682022
10.	Coimbatore	CMB	PSG Institute of Management, PB No.1668, Avinashi Road, Peelamedu. Coimbatore
11.	New Delhi	DEL	Sri Venkateswara College, Benito Juarez Road, Dhaula Kuan, New Delhi - 110 021
12.	Dimapur	DIM	Dimapur Government College, Oriental Colony, Diphu Road, Dimapur – 797112 Nagaland
13.	Guwahati	GHT	Arts Building, Guwahati University, Guwahati, Assam – 781014
14.	Hyderabad	HYD	College for Integrated Studies, South Campus, University of Hyderabad, Gachibowli, Hyderabad – 500046
15.	Imphal	IMP	Dhanamanjuri College of Arts, Imphal, Manipur – 795001
16.	Jaipur	JPR	Jaipur National University, (Seedling College Campus),Near New RTO Office, Jaipur-Agra, Bypass, Jagatpura, Jaipur - 302025
17.	Jammu	JAM	Govt. Gandhi Memorial Science College, Canal Road, Jammu – 180002
18.	Kadapa	KDP	Yogi Vemana University College, Kadapa-516005, YSR District, Andhra Pradesh
19.	Karimnagar	KRM	SRR Govt. Arts & Science College Karimnagar, Jagtial Road, Karimnagar
20.	Kolkata	KOL	Jadavpur University, Mechanical Building, Kolkata – 700032
21.	Lucknow	LCK	Centre for Engineering & Technology, Baba Saheb Bhimrao Ambedkar University, Vidya Vihar, Raebarely Road, Lucknow-226 026 (UP)
22.	Mahabubnagar	MBN	NTR Govt. Degree College for Women, District Stadium Road, Besides RTC Bus stand, Mahabubnagar
23.	Mumbai	MUM	Mumbai Churchgate Campus, SNDT Women's University, 1, Nathibai Thackerey Road, Mumbai – 400020
24.	Nagpur	NPR	Laxminarayan Institute of Technology, Opp. Bharat Nagar, Amravati Road, Nagpur – 440033, Maharashtra
25.	Nalgonda	NLG	Nagarjuna Government College, Hyderabad Road, Ramagiri, Nalgonda – 508001
26.	Nizamabad	NZB	Girraj Govt. College (Autonomous), Dubba, Nizamabad
27.	Patna	PAT	Block 9, Tutorial Block, IIT Patna, Bihta – 101106, Patna
28.	Pune	PNE	AISSMS College of Engineering, Kennedy Road, Pune – 411001
29.	Raipur	RPR	College of Agriculture, NH-6, Mahasamund Road, Krishak Nagar, Jora, Raipur, (CG)
30.	Ranchi	RNC	Doranda College, Opp. Sri Krishna Park, Near A.G. More, Doranda, Ranchi – 834001
31.	Shillong	SHL	UGC Academic Staff College, NEHU, Permanent Campus, Umshing Mawk, Shillong - 793022
32.	Srinagar	SNR	Humanities Block, Examination Halls, University of Kashmir, Srinagar
33.	Tirupati	TPT	S.V. Oriental Degree & PG College, Near Bhavani Nagar Circle, 6-1-201,K T Road, Tirupati - 517501
34.	Vijayawada	VIJ	Velagapudi Durgamba Siddhartha Law College, Kanuru, Vijayawada – 520007

35.	Varanasi	VRN	New Lecture Theatre Complex, Institute of Medical Sciences, Banaras Hindu University – 221005
36.	Visakhapatnam	VSP	Department of Commerce & Management Studies, Andhra University, Visakhapatnam
37.	Vizianagaram	VZM	Maharajas College (Autonomous), Elugubanti Vaari Veedhi , Near Clock Tower, Tupakula Street, Vizianagaram- 535 002
38.	Warangal	WRL	Humanities Building, University College, Kakatiya University, Warangal

Note: (1) **The University reserves the right to cancel any of the above centres and allot another   nearby centre to the applicants of the Centre cancelled.**

(2) **University reserves the right to not operate a centre if the number of applications received is less than 300 or for any administrative reasons. The candidates are therefore advised to give 3 choices of Centres in the online application form.**

(3) **If any of the examination/s could not be held in any of the session/s due to sudden declaration of bandhs, hartals, etc. at any of the above centres, the University shall not be held responsible for the same and fresh examination /s at such centres for the year will not be held again under any circumstances.**

(4) **The venue of the Examination Centre will be given in the hall ticket.**

(5) **Based on the number of candidates, the venues at the centres may be increased.**

Fee Table of 2018-19

1) Course	6) Library Fee (Per Sem)	11) Medical Fee, (Per annum) **
2) Admission Fee	7) Exam fee (Per Sem)	12) Students aid fund (Per Sem)
3) Other Fees: a)once at the time of admission; b) Fees (Per Sem)	8) Sports Fee (Per Sem)	13) Total Cols. (2-12)
4) Tuition Fee (Per Sem)	9) Internet Charges (Per Sem)	14) Deposits (Refundable)
5) Lab Fee (Per Sem)	10) Students Welfare / Union Fund (Per annum)	15) Grand Total Col (13-14)
		Figures in Rs.

(1)	(2)	(3)(a)	(b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
M.A. (5-year Integrated) & M.A. Courses in Humanities, Social Sciences, Economics and M.A. Education	320	330	--	510	--	260	200	160	230	400	1500	80	3990	1470	5460
M.Sc. Maths/Statistics/ Physics, **M.P.A** Dance, Theatre Arts	320	330	--	510	870	260	200	160	230	400	1500	80	4860	1750	6610
M.F.A Painting/ Print Making/ Sculpture/ Art History	320	330 5000	--	510	870	260	200	160	230	400	1500	80	9860	1750	11610
M.Sc. Biotechnology	320	330	--	3500	1695	260	200	160	230	400	1500	80	8675	1755	10430
6 – Year Int. M.Sc. (M.Optometry) in Optometry & Vision Sciences	320	330	6600	8930	1540	260	200	160	360	400	1500	80	20680	2640	23320
M.Sc. Animal Biology & Biotechnology	320	330	3000	510	870	260	200	160	230	400	1500	80	7860	2640	10500
M.Sc. Chemistry/ Plant Biology& Biotechnology, Molecular Microbiology, Ocean and Atmospheric Sciences, Neural & Cognitieve Sc., **M.Sc.** (5-year Integrated Sciences/ Health Psychology) *	320	330	--	510	870	260	200	160	360	400	1500	80	4990	2640	7630
M.Sc. Biochemistry	320	3330	-	510	870	260	200	160	360	400	1500	80	7990	2640	10630
M.Sc. Health Psychology	2135	330	3300	1660	1695	260	290	160	230	400	1500	80	12040	2640	14680
PG Dip Sanskrit Comp. Linguistics	320	330	--	805	-	260	290	160	360	400	1500	80	4505	1750	6255
M.Ed.	320	330	--	16300	--	260	290	160	360	400	1500	80	20000	1750	21750
M.C.A.	320	330+ 19000	--	10540	2855	260	200	160	230	400	1500	80	35875	1755	37630
M.B.A.	2860	330 + 19000	--	21910	5710	260	200	160	230	400	1500	80	52640	3740	56380
M.B.A. Business Analytics	2860	330+ 50000	--	85360	5710	260	200	160	230	400	1500	80	147090	3740	150830
M.B.A. Health Care and Hospital Management, Master of Public Health (MPH)	2955	330 + 23425	--	29280	7260	260	290	160	360	400	1500	80	66300	3510	69810
M.A. Communication	320	330	5990	510	1755	260	200	160	230	400	1500	80	11735	1755	13490
M.Tech (CS / AI / IT) & **M.Tech** (ICT/BI/MI)	320	330+ 19000	--	10465	2855	260	290	160	360	400	1500	80	36020	1750	37770
5-year Integrated M.Tech (CS)	320	330+ 19000	--	10465	2855	260	290	160	360	400	1500	80	36020	1750	37770
M.Phil Courses in Humanities/Social Sciences and Economics	320	330	--	800	--	260	290	160	360	400	1500	80	4500	1750	6250
Ph.D. Cognitive Science	320	330	--	800	870	260	290	160	360	400	1500	80	5370	1750	7120

Course															
Ph.D. (Full – time) Humanities/Social Sciences / Economics	320	330	--	1090	--	260	290	160	360	400	1500	80	4790	1470	6260
Maths/Statistics-OR/ Computer Science/ Physics/ Electronics Science/Dance/ Management Studies/ Communication/ Folk Culture Studies	320	330	--	1090	870	260	290	160	360	400	1500	80	5660	1750	7410
Chemistry/Biochemistry/ Plant Sciences/Animal Biology/ Biotechnology/ ACRHEM/ Earth & Space Science/ Medical Sciences	320	330	--	1090	870	260	290	160	360	400	1500	80	5660	2640	8300
Int. M.Sc. – Ph.D. Biochemestry & Molicular Biology	320	3330	-	510	870	260	290	160	360	400	1500	80	8080	2640	10720
Ph.D. Materials Engineering, Nano Science & Technology	320	330	-	5265	2195	260	290	160	360	400	1500	80	11160	2640	13800
Ph.D. Part –Time / External Registration Humanities/Social Sciences / Economics	320	330	--	1900	--	260	--	160	360	400	1500	80	5310	1470	6780
Maths/Statistics/ Computer Science/ Physics/Electronics Science/Dance/ Management Studies/ Communication/ Folk Culture Studies	320	330	--	1970	870	260	--	160	360	400	1500	80	6250	1750	8000
Chemistry/Biochemistry/ Plant Sciences/Animal Sciences/ Biotechnology/ ACRHEM/ Earth & Space Science/ Medical Sciences	320	330	--	1970	870	260	--	160	360	400	1500	80	6250	2640	8890

* **IMSc Health Psychology** students on completion of 3 years (i.e. from 7th semester) have to pay **other fee of Rs.3000 per semester.**

** Medical insurance will be charged as per actuals. (Initially Rs.1500/- has to be paid at the time of admission and balance amount if any, will have to be paid in the next semester January-June, 2019.) Every year during July-December semester, all students on rolls including SC/ST/OBC (availing Social Welfare Scholorship) and PH will have to pay the Insurance Fee.

Note:
1. All the students (SC/ST/OBC) who are eligible for post matric scholarships offered by the State/Central Government are required to pay the fees specified for that course in full at the time of admission. **However, the University will consider reimbursement of the excess fees (i.e. fees paid over and above what is reimbursable by their State Government) on submission of a certificate from the authorized Officer of the State Government to that effect.**
2. All the candidates granted admission under PH category are exempted from the payment of tuition and other fees.

Fees payable by the Foreign National/NRI students

Sl. No.	Course	Foreign and NRI students fees per semester (in US $)#	SAARC & Korean students fees per semester (In US$)##
1.	MCA, M.Tech.(CS / AI / IT) and M.A. Communication	1400	700
2.	MBA & MBA Health Care & Hospital Management	6600	3300
3.	PG Courses in Sciences, 5-Year Integrated Master's Degree courses in Sciences, M.Tech. in CT, IC Technology and Bioinformatics	1400	700
4.	PG Courses other than Sciences and 5-year Integrated M.A. Courses in Humanities, Social Sciences, Economics and S.N. School (except Communication)	800	400
5.	M.Phil Programmes in Humanities, Social Sciences and Economics	1100	550
6.	Ph.D. Programmes in Sciences, Computer Science and Management Studies	1400	700

Note:

1. Foreign Nationals/ NRIs are required to pay the above specified semester fees and the fees as shown against columns **9 to 11 and 14** of the fees structure and Rs. 275 towards the Alumni fund in Indian Rupees.

2. #Candidates who are granted admission in MBA, MCA and M.Tech (CS/AI/IT), M.Tech Bioinformatics, M.Sc. Animal Biotechnology, Health Psychology, 5-year Integrated M.Sc. in Optometry & Vision Sciences, MBA in Health Care and Hospital Management and M.A. Communication are also required to pay in Indian Rupees an amount equivalent to US $ 1000 as onetime payment towards Development Fee at the time of admission & ##US$ 500 for SAARC countries & Korea.

Deposits to be paid at the time of Hostel admission:

Details	General Category Rs.	SC/ST Scholarship holders Rs.
Mess Deposit (At the time of admission)(refundable) :	2500	1500
Room rent (per semester)	500	-Nil-
Crockery fees (per year)	250	250
Hostel Fund (One time)	600	400
Total:	3850	2150

Minimum qualifications for admission to various courses and intake
for the academic year 2018-19 (July 2018 Session)

Integrated Master's degree courses (5-years)

Course	Subject	Intake	Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
M.Sc. (5-Year Integrated) in Sciences	Mathematical Sciences Physics Chemical Sciences Systems Biology	16 16 16 16	With a minimum of 60% marks at +2 level of education (Intermediate/CBSE/ICSE/HSC or equivalent) with Science subjects	1.6.2018 10.00 a.m.	---
M.Sc. (5-Year Integrated)	Health Psychology	16	With a minimum of 60% marks at +2 level of education or equivalent (Intermediate/ CBSE/ ICSE/ HSC or equivalent) in Arts and Sciences	3.6.2018 10.00 a.m.	--
M.A. (5-Year Integrated) in Humanities	Telugu Language Science Hindi	15 15 8	With a minimum of 60% marks at +2 level of education (Intermediate/CBSE/ ICSE/HSC or equivalent) with **Hindi /Telugu** as one of the subjects. (Note: The students who are applying . . .0for Hindi, Telugu should have studied respective subjects at +2 level.) In case a student has not studied Hindi/ Telugu as one of the subjects he/she should have passed a oriental title examinations equivalent to Intermediate (i.e. + 2 level) in Hindi / Telugu by Government of India or any State Government thereof along with + 2 level.	3.6.2018 2.00 p.m.	---
M.A. (5-Year Integrated) in Social Sciences	Economics History Political Science Sociology Anthropology	11 10 10 11 10	With a minimum of 60% marks at +2 level of education (Intermediate/CBSE/ICSE/HSC or equivalent)	1.6.2018 2.00 p.m.	--

The running of programme/course is subject to a minimum intake of five students in the programme/course

Integrated Master of Optometry (M.OPTOM)	Optometry	20	With a minimum of 60% aggregate marks in Intermediate/CBSE/ICSE/HSC or equivalent Board Examination with Science subjects	4.6.2018 2.00 p.m.	--

Postgraduate courses (2/3 years)

Course	Subject	Intake	Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
M.Sc.	Mathematics/ Applied Mathematics	40	Bachelor's degree with a minimum of 60% marks in the aggregate of optional subjects with Mathematics/ Statistics as one of the subjects; OR with at least 55% of marks for those students who have done B.A. /B.Sc. (Hons) course in Maths / Statistics.	4.6.2018 2.00 p.m.	--
M.Sc.	Statistics-OR	20	Same as above	4.6.2018 10.00 a.m.	---
M.C.A.		60	Mathematics as a main subject and studied as full papers in Higher Secondary (10 + 2) level is a mandatory prerequisite. First Class Bachelor's degree with at least 60% marks in aggregate, in any discipline. **NIMCET 2018 scores** in order of merit, will be the only criteria for admission.	Seats will be allocated through counselling at the UoH	---
M.Sc.	Physics	45	B.Sc. with a minimum of 60% marks in the aggregate of subjects with Physics as one of the main subjects in combination with Mathematics OR with at least 55% marks in degree with a minimum of 60% in the aggregate of science subjects: Physics, Mathematics and Electronics.	5.6.2018 2.00 p.m.	---
M. Sc.	Chemistry	45	B.Sc. with a minimum of 60% marks in the aggregate of Science subjects with Chemistry as one of the subjects, preferably in combination with Physics and Mathematics	3.6.2018 2.00 p.m.	---
M.Sc.	Biochemistry	26	B. Sc. with a minimum of 60% marks in the aggregate of Science subjects with Chemistry or Biochemistry as one of the subjects	4.6.2018 10.00 a.m.	---
M.Sc.	Plant Biology & Biotechnology	18	B. Sc. with a minimum of 60% marks in the aggregate of Science subjects with at least one of the following subjects: Chemistry, Botany, Genetics, Microbiology, Biochemistry, Biotechnology.	2.6.2018 2.00 p.m.	---
M.Sc.	Molecular Microbiology	12	B. Sc. with a minimum of 60% marks in the aggregate of Science subjects with at least one of the following subjects: Zoology, Genetics, Biotechnology, Biochemistry, Botany, Microbiology, Life Sciences.	5.6.2018 10.00 a.m.	---
M.Sc.	Animal Biology and Biotechnology	18	B. Sc. with a minimum of 60% marks in the aggregate of Science subjects.	2.6.2018 10.00 a.m.	---
M.Sc.	Biotechnology	25	Bachelor/s degree under 10+2+3 pattern of education in Physical, Biological, Agricultural, Veterinary and Fishery Sciences, Pharmacy, Engineering / Technology, 4 years B.Sc. (Physician Assistant Course) or Medicine (MBBS) or BDS with at least 55% marks. (NB: The admission is given on the basis of CEEB test conducted by the Jawaharlal Nehru University, New Delhi.)	---	---
MPH	Public Health	30	Bachelor's degree in Medicine, Dentistry, Ayurvedic medicine, homeopathy, physiotherapy, occupational therapy, nursing, nutrition, pharmacology, veterinary sciences, agricultural sciences, social sciences or any other science degree.	5.6.2018 2.00 p.m.	---
M.Sc.	Health Psychology	12	With a minimum 60% marks at the Graduate level with Psychology as one of the subjects for 3 years.	1.6.2018 2.00 p.m.	---

Course	Subject	Intake	Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
M.Sc.	Neural and Cognitive Sci.	16	Bachelor's degree with a minimum of 55% marks in any branch of Natural Sciences, Mathematics, Engineering and Computer Science, Social Sciences and Humanities; MBBS.	3.6.2018 10.00 a.m.	---
M.Sc.	Ocean & Atmospheric Sciences	10+5*	With at least 55% marks in the Bachelor's degree in any branch of Science with Mathematics & Physics as compulsory subjects at the B.Sc. level, OR B.Tech. in Civil / Mechanical / Electrical. * **Sponsored**	2.6.2018 2.00 p.m.	---

Note: 1. For calculating the prescribed percentage of marks for admission to M.Sc./MCA courses the marks obtained in the language papers of the qualifying degree will be excluded.

2. The marks in Hons/Core subjects of B.A. (Hons), B.Sc. (Hons) degrees will only be taken into account for calculating the prescribed percentage of marks.

Course	Subject	Intake	Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
M.A.	English	45	At least 50% marks in the Bachelor's degree with at least 50% marks in English as optional subject; OR at least 50% marks in the Bachelor's degree with at least 55% marks in English as compulsory subject.	2.6.2018 2.00 p.m.	---
M.A.	Philosophy	23	Bachelor's degree in any subject/s with at least 50% marks in aggregate.	5.6.2018 2.00 p.m.	---
M.A.	Hindi	38	1. A Bachelor's degree with 40% marks in any subject with Hindi as one of the optional subjects/compulsory subjects/or second language. 2. A Bachelor's degree with 40% marks in any subject with a diploma in Hindi or Translation studies in Hindi (PGDTS)/Functional Hindi. 3. A Bachelor's degree with 40% marks in any subject with an oriental title examination of B.A. standard approved by Government of India or any State Government, like 'Praveen' and 'Sahitya Ratna' or any other title recognized thereof.	5.6.2018 2.00 p.m.	--
M.A.	Telugu	45	With at least 50% marks in the Bachelor's degree with at least 50% marks in Telugu as optional subject; **OR** with at least 50% marks in the Bachelor's degree with at least 55% marks in Telugu as the compulsory subject.	5.6.2018 2.00 p.m.	--
M.A.	Urdu	20	With at least 50% marks in the Bachelor's degree or equivalent with at least 50% marks in Urdu, Persian or Arabic as optional papers; **OR** Bachelor's degree or equivalent with at least 55% marks in Urdu, Persian or Arabic as compulsory subject i.e. as second language.	1.6.2018 10.00 a.m.	---
M.A.	Applied Linguistics	23	At least 50% marks or an equivalent grade in any Bachelor's degree (10 + 2 + 3 pattern) in aggregate with 50% marks in English as a compulsory or optional subject.	1.6.2018 10.00 a.m.	---
M.A.	Comparative Literature	20	50% marks in the Bachelors Degree with at least 50% marks in English as Optional Subject **OR** 50% marks in Bachelors Degree with 55% marks in any literature / English as Compulsory Subject.	4.6.2018 10.00 a.m.	---
M.A.	English Language Studies	18	Graduates from any discipline (with English as a subject in High School, Intermediate and at least one year in the graduate programme, with at least 55% marks in English).	1.6.2018 2.00 p.m.	
PG Diploma	Sanskrit Computational Linguistics	08	M.A. (Sanskrit) Preferable : Good knowledge of Vyakarana	2.6.2018 2.00 p.m.	

Course	Subject	Intake	Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
M.A.	History	52	With at least 50% marks in the Bachelor's degree and at least 50% marks in History; **OR** with at least 50% marks in the Bachelor's degree and at least 55% marks in aggregate in the allied subjects viz. Political Science, Public Administration, Economics, Sociology, Anthropology, Indology, Archaeology, Ancient Indian History and Culture **OR** Bachelor's degree in any subject(s) with at least 60% marks in aggregate.	3.6.2018 2.00 p.m.	---
M.A.	Political Science	52	Bachelor's degree with at least 50% marks or Equivalent Grade in Social Sciences or Humanities subjects **OR** 55% marks in any other subject.	5.6.2018 10.00 a.m.	--
M.A.	Sociology	52	With at least 50% marks in the Bachelor's degree and at least 50% marks in the subject concerned OR with at least 50% marks in aggregate in the allied subjects viz., all Social science subjects, Philosophy, Communication, Linguistics; OR Bachelor's degree in any subject (s) with 60% marks in aggregate.	5.6.2018 2.00 p.m.	---
M.A.	Anthropology	30	At least 50% marks in the Bachelor's degree.	3.6.2018 10.00 a.m.	---
M.A.	Education	30	B.A./B.Sc./B.Com. with atleast 55% marks or equivalent grade	2.6.2018 10.00 a.m.	--
M. A.	Economics	60	A Bachelor's degree in Economics with at least 50% marks in aggregate and at least 50% marks in Economics; **OR** Bachelor's degree with at least 60% marks in any of the allied subjects viz. Commerce, Statistics, Mathematics, Engineering or any of the Social Sciences subjects.	4.6.2018 10.00 a.m.	--
M. A.	Financial Economics	30	1. Mathematics at +2 Level **AND** 2. A Bachelor's degree in Economics with at least 50% marks in aggregate and at least 50% marks in Economics; **OR** Bachelor's degree with at least 60% marks in any of the allied subjects viz. Commerce, Statistics, Mathematics, Engineering or any of the Social Sciences subjects .	3.6.2018 10.00 a.m.	--
M.Ed. *		50	Integrated Four Year courses B.A.B.Ed / B.Sc.B.Ed atleast 55% marks or equivalent grade (OR) B.Ed at least 55% marks or equivalent grade (OR) Any Graduation with D.Ed at least 55% marks or equivalent grade * **Note: (Conditional to getting the Formal Recognition from NCTE. Presently the University has got the letter of intent and is in process of getting recognition soon. The course shall be offered subject to University getting approval from NCTE.)**	5.6.2018 10.00 a.m.	--

Note: 1. For calculating the prescribed percentage of marks for admission to M.A. Courses in History, Political Science, Sociology, Anthropology and Economics marks obtained in the language papers of the qualifying degree will be excluded.

2. The marks in Hons/Core subjects of B.A. (Hons), B.Sc. (Hons) degrees will only be taken into account for calculating the prescribed percentage

Course	Subject	Intake	Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
M.P.A.	Dance (Kuchipudi) (Bharatanatyam)	08 08	Bachelor's degree in dance; **OR** Bachelor's degree in any subject with a professional diploma or certificate in dance recognized by the University; **OR** Bachelor's degree in any subject with a certificate from a reputed Guru recognised by the University to the effect that the candidate has undergone training in dance under him/her for a period not less than five years. (*The experience/training certificate should be furnished during the practical test.*) OR A candidate with 10+fulltime 4 year diploma from Kalakshetra Foundation, Chennai with one year practical work experience in an institution; OR A candidate with 10 + 2 + full time 4 years diploma from Kalakshetra Foundation, Chennai.	1.6.2018 10.00 a.m.	28.6.2018 10.00 a.m.
M.P.A.	Theatre Arts	15	Any graduate with an aptitude for Theatre. Experience in Theatre or any Performing Art will be an added advantage.	4.6.2018 10.00 a.m.	28.6.2018 10.00 a.m.
M.F.A.	Painting Print making Sculpture	14 08 08	Bachelor Degree in Fine Arts BFA/BVA or BA (Fine). <u>Essential requirements at the time of application:</u> i) Applicant must specify the stream (Panting/Print Making/Sculpture) on priority basis on which they wish to apply to the Department of Fine Arts. ii) Applicant must submit 6 photographs (8" x 10") of his/her recent works in the specific stream in which they are applying, to the Examination Coordinator at the time of the written examination along with their answer sheets (OMR sheets). The photographs of art works must be attested by a faculty member/Head of the Fine Art college/institute from where the applicant received his/her BFA/BVA/BA (Fine) degree. This is mandatory, as this will be the basis for screening by the admission Committee. iii) If an applicant wishes to apply for more than one stream in the Fine Arts Department, they must submit photographs of recent works done **in each stream,** with their answer sheet at the time of the written examinations.	2.6.2018 2.00 p.m.	28.6.2018 To 30.6.2018 10.00 a.m.
M.F.A.	Art History & Visual Studies	08	Bachelor Degree in Fine Arts: BFA, BVA or BA (Fine). Candidates from related disciplines like History, Sociology, Literature and Anthropology may also be considered provided they demonstrate evidence of aptitude in Art History, capacity to read visual images and demonstrate adequate knowledge of contemporary artistic practices. Students must provide evidence of training or practice in visual arts at the time of the oral interview by bringing sketchbooks, art works or photographs of their original art works.	4.6.2018 2.00 p.m.	28.6.2018 10.00 a.m.
M.A.	Communication	40	Bachelor's degree with at least 55% marks in Communication / Journalism; **OR** Bachelor's degree in any subject with at least 55% marks in aggregate.	4.6.2018 2.00 p.m.	28.6.2018 To 30.6.2018 10.00 a.m.

Course	Subject	Intake	Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
MBA	Health Care & Hospital Management	30+5*	Bachelor's degree or its equivalent with a minimum of 60% marks or equivalent grade of any recognized University. Preference will be given to those who have an academic background/experience relating to Health care management/ Administration areas. ***Industry sponsored candidates**	3.6.2018 2.00 p.m.	9.7.2018 9.00 a.m.
MBA	Business Analytics	30+5*	Bachelor's degree or its equivalent with a minimum of 60% marks or equivalent grade of any recognized University. Preference will be given to those who have an academic background/experience in Engineering/ Mathematics / Statistics ***Industry sponsored candidates**	2.6.2018 10.00 a.m.	10.7.2018 9.00 a.m.
MBA		60	Bachelor's degree or its equivalent with a minimum of 60% marks or equivalent grade of any recognized University. Note: The admissions for the academic year 2018-19 has been completed based on the percentile scores of the applicants in CAT 2017 followed by Group Discussion/Interview.	---	---

M.Phil. Courses

Course	Subject		Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
M.Phil.	English	04	Master's degree in English with at least 55% marks	2.6.2018 2.00 p.m.	10.7.2018 10.00 a.m.
M.Phil.	Philosophy	10	Master's degree in Philosophy with at least 55% marks	5.6.2018 10.00 a.m.	10.7.2018 10.00 a.m.
M.Phil.	Hindi	02	Master's degree in Hindi with at least 55% marks	5.6.2018 10.00 a.m.	10.7.2018 10.00 a.m.
M.Phil.	Urdu	15	Master's degree in Urdu with at least 55% marks	3.6.2018 2.00 p.m.	10.7.2018 10.00 a.m.
M.Phil.	Appl. Ling.	05	A Master's degree in Linguistics / Applied Linguistics with at least 55% marks or an equivalent grade.	4.6.2018 2.00 p.m.	10.7.2018 10.00 a.m.
M.Phil.	Trans. Stud.	05	A Master's degree in Translation Studies / Linguistics / Applied Linguistics /Literature with a minimum of 55% marks or an equivalent grade. **OR** Master's degree in any other discipline with a minimum of 60% marks or an equivalent grade.	5.6.2018 2.00 p.m.	11.7.2018 10.00 a.m.
M.Phil.	English Language Studies	2	M.A. in any area of English Studies (Literature/English Language Education/ Linguistics) with at least 55% marks **OR** M.A. in Linguistics/Applied Linguistics/Comparative Literature (with English as the medium of instruction) with atleast 55% marks	1.6.2018 2.00 p.m.	11.7.2018 10.00 a.m.

M.Phil.	History	08	Master's degree in History with at least 55% marks or equivalent grade; **OR** Master's degree in allied subjects with at least 60% marks or Equivalent Grade (Allied subjects: Political Science, Public Administration, Economics, Sociology, Anthropology, Indology, Archaeology, Ancient Indian History and Culture, Literature, Religious Studies, Environmental Studies and Science Policy). The medium of M.Phil Programme is English. All the students applying for the Programme are required to have adequate English language skills.	1.6.2018 2.00 p.m.	10.7.2018 10.00 a.m.
M.Phil.	Political Science	18	Master's degree in Political Science/any Social Sciences /Humanities subjects with at least 55% marks or Equivalent Grade.	5.6.2018 10.00 a.m.	10.7.2018 10.00 a.m.
M.Phil.	Sociology	04	Master's degree in Sociology or other Social Sciences including Cultural Studies with at least 55% marks.	3.6.2018 2.00 p.m.	10.7.2018 10.00 a.m.
M.Phil.	Social Excl. & Incl. Policy	06	Master's degree in any of the following subjects with at least 55% marks or equivalent grade is compulsory. *Anthropology, Economics, Education, History, Human Rights, Political Science, Public Administration, Public Policy, Social Exclusion and Inclusive Policy, Sociology, Social Work, Social Geography, Women/Gender Studies, Rural Development*	1.6.2018 10.00 a.m.	11.7.2018 10.00 a.m.
M.Phil.	Economics	04	Master's degree in Economics, OR in any of the allied subjects with at least 55% of marks. (Allied subjects : Commerce, Statistics, Mathematics, Engineering, Management or any of the Social Science subjects)	5.6.2018 2.00 p.m.	10.7.2018 10.00 a.m.

Ph.D. programmes

Course	Subject		Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
Ph. D.	Mathematics/ Applied Maths	06	Master's degree in Mathematics, Applied Mathematics with at least 55% marks or equivalent grade	4.6.2018 10.00 a.m.	10.7.2018 10.00 a.m.
Ph. D.	Statistics/OR	03	Master's degree in concerned or related subjects (Mathematics/ Applied Mathematics/Statistics/ Economics/Computational Sciences) with at least 55% marks or equivalent grade	2.6.2018 10.00 a.m.	11.7.2018 2.00 p.m.
Ph. D.	Computer Science	15	Master's Degree in any Engineering/Technology/ Computer Applications / Computer Science / Mathematics / Statistics / Electronics / Information Systems / Internet Technology / Geoinformatics / Bioinformatics **OR** B.E./B.Tech. with 55% marks; **OR** M.Phil. in Mathematics or Statistics or Electronics;	2.6.2018 10.00 a.m.	9.7.2018 10.7.2018 11.7.2018 10.00 a.m.
Ph. D.	Physics	14	M.Sc. degree in Physics or closely related area with at least 55% marks.	4.6.2018 2.00 p.m.	9.7.2018 10.7.2018 10.00 a.m.

Course	Subject		Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
Ph.D.	Electronics Science	07	M.Sc. degree in Electronics or related area/Physics with Electronics with at least 55% marks OR B.E./B.Tech. or higher degree in Electronics & Communication Engineering or related area with atleast 60% marks (The related areas are Instrumentation, Applied Electronics, Electronics Science)	3.6.2018 2.00 p.m.	10.7.2018 10.00 a.m.
Ph.D.	ACRHEM (Physics)	03	M.Sc. (Physics/Applied Physics/Photonics or related areas) with at least 55% marks.	2.6.2018 10.00 a.m.	11.7.2018 10.00 a.m.
Ph.D.	Earth, Ocean and Atmospheric Sciences	04	Master's degree in Geology/Applied Geology/ Geophysics/ Applied Geophysics/Ocean/ Atmospheric Sciences or a closely related area with at least 55% marks	3.6.2018 10.00 a.m.	10.7.2018 10.00 a.m.
Ph. D.	Chemistry	23	M.Sc. **OR** equivalent degree in Chemistry or in allied subjects with at least 55% marks. (Note: B.Tech. in Chemical Engineering, B.Pharm., M.Sc., in Physics or Life Sciences etc., are also treated as allied subjects for this purpose)	4.6.2018 10.00 a.m.	9.7.2018 10.7.2018 11.7.2018 10.00 a.m.
Ph.D.	Biochemistry	08	M.Sc. in Biochemistry or in a closely related area or M.Sc. / M.Tech. in Bioinformatics or MBBS with at least 55% marks	1.6.2018 10.00 a.m.	10.7.2018 10.00 a.m.
Int. M.Sc.-Ph.D.	Biochemistry and Molecular Biology	06	B. Sc. with a minimum of 60% marks in the aggregate of Science subjects with Chemistry or Biochemistry as one of the subjects	1.6.2018 2.00 p.m.	30.6.2018 10.00 a.m.
Ph.D.	Plant Sciences	09	M.Sc. in any branch of Life Sciences or M.Tech. in Bioinformatics with at least 55% marks	5.6.2018 10.00 a.m.	11.7.2018 10.00 a.m.
Ph. D.	Animal Biology	14	Master's degree in Animal Biology or in any area of Life Sciences/M.Tech. in Bioinformatics or Biotechnology, M.Pharm, or M.V.Sc. with atleast 55% marks.	3.6.2018 2.00 p.m.	12.7.2018 10.00 a.m.
Ph.D.	Biotechnology	10	Master's degree with 55% marks in Biotechnology or in a closely related area/ MSc Systems Biology/5-year Integrated MSc in Systems Biology/Biology or related areas OR an MBBS/ M. Tech. Biotechnology/ Bioinformatics/, M. Pharm, MVSc with a minimum of 55% marks.	3.6.2018 10.00 a.m.	11.7.2018 12.7.2018 10.00 a.m.
Int. M.Sc./ Ph.D.	Biotechnology	06	Bachelor degree under 10+2+3 pattern of education in Physical, Biological, Agricultural, Veterinary and Fishery Sciences, Pharmacy, 4 Year Engineering / Technology, B.Sc. (Physician Assistant Course) or Medicine (MBBS) or BDS with at least 55% marks. **Qualifying degree should have been awarded within 2 years preceding the year of entrance examination.**	4.6.2018 2.00 p.m.	30.6.2018 10.00 a.m.
Ph. D.	English	08	Master's degree in English with at least 55% marks.	5.6.2018 10.00 a.m.	11.7.2018 12.7.2018 10.00 a.m.
Ph. D.	Philosophy	04	Master's degree in the subject concerned with at least 55% marks;	2.6.2018 2.00 p.m.	11.7.2018 10.00 a.m.
Ph.D.	Telugu	10	Master's degree in the subject concerned with at least 55% marks	5.6.2018 10.00 a.m.	10.7.2018 10.00 a.m.
Ph. D.	Urdu	06	Master's degree/M.Phil. in the subject concerned with atleast 55% marks	3.6.2018 10.00 a.m.	11.7.2018 10.00 a.m.

Course	Subject		Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
Ph. D.	Applied Linguistics	03	a) M.A. in Linguistics / Applied Linguistics with at least 55% marks or an equivalent grade. **OR** (b) MA in allied subjects with a minimum of 60% marks/equivalent grade. (Allied subjects include Language & Literature, Philosophy, Anthropology, Sociology, Psychology, Computer Science, Mathematics, Statistics, Communication Studies, Speech and hearing, Cognitive Science) **Note: Candidates should have acquired their PG degree in English medium only.**	2.6.2018 10.00 a.m.	10.7.2018 2.00 p.m.
Ph.D.	Translation Studies	02	a)M.A. in Linguistics/Applied Linguistics/ Translation Studies/Literature with a minimum of 55% marks. **OR** (b) M.A. in any other discipline with a minimum of 60% marks/equivalent grade. **Note: The candidates who passed their qualifying examination in non-English medium should have minimum 60% marks in English as one of the subjects at their graduate examination.**	3.6.2018 10.00 a.m.	11.7.2018 2.00 p.m.
Ph.D.	Sanskrit Studies	05	**a)** Master's Degree in Sanskrit or equivalent / Natural Language Processing with at least 55% marks OR **b)** B.A.M.S. with at least 55% marks	2.6.2018 10.00 a.m.	6.7.2018 10.00 a.m.
Ph.D.	English Language Studies	04	Master's Degree in English or Linguistics/Applied Linguistics (with English as the medium of instruction) with at least 55% marks.	2.6.2018 2.00 p.m.	11.7.2018 2.00 p.m.
Ph. D.	History	08	M.A. in the subject concerned (with at least 55% marks) or Equivalent Grade **OR** M.A. with at least 60% marks OR Equivalent Grade in any subject. **The Medium of Ph.D. Programme is English.** **All the students applying for the Programme are required to have adequate English language skills.**	1.6.2018 10.00 a.m.	11.7.2018 10.00 a.m.
Ph. D.	Political Science	15	Master's degree in Political Science/any Social Sciences /Humanities subjects with at least 55% marks or Equivalent Grade.	2.6.2018 2.00 p.m.	11.7.2018 10.00 a.m.
Ph. D.	Sociology	04	Master's degree in Sociology or other Social Sciences including Cultural Studies with at least 55% marks.	3.6.2018 10.00 a.m.	11.7.2018 10.00 a.m.
Ph.D.	Social Excl. Incl. Policy	04	A Master's degree with any one of the following mentioned subjects with at least 55% marks or equivalent grade. *Anthropology, Economics, Education, History, Human Rights, Political Science, Public Administration, Public Policy, Social Exclusion and Inclusive Policy, Sociology, Social Work, Social Geography, Women/Gender Studies, Rural Development*	1.6.2018 2.00 p.m.	11.7.2018 2.00 p.m.
Ph.D.	Education	08	M.A. Education or M.Ed. with atleast 55% marks or equivalent grade	4.6.2018 10.00 a.m.	12.7.2018 10.00 a.m.

Course	Subject		Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
Ph.D.	Economics	04	M.A. in Economics (with at least 55% marks or Equivalent Grade) OR Master's degree in the allied subjects(Commerce, Statistics, Mathematics, Engineering and Management or any of the Social Science subjects) with at least 60% marks or Equivalent Grade).	5.6.2018 2.00 p.m.	11.7.2018 10.00 a.m.
Ph.D.	Dance	03	Master's degree with 55% marks in the concerned subject. **OR** Master's degree with at least 60% marks in any subject.	1.6.2018 2.00 p.m.	9.7.2018 10.00 a.m.
Ph.D.	Communi-cation	04*	Master's degree in the subject concerned with at least 55% marks; **OR** Master's degree with at least 60% marks in any subject *One seat for research on Rural Communication, under the NCRI Fellowship (terms and conditions as applicable), may be offered **(TBC) subject to ratification by Academic Council**. The candidate will be required to present a proposal on rural communication during the interview if they wish to apply for this fellowship.	3.6.2018 2.00 p.m.	10.7.2018 10.00 a.m.
Ph.D.	Management Studies	12	With at least 55% marks in Master's degree or its equivalent in Management or Commerce or Accounting (MBA, M.Com, C.A, ICWA etc.)	4.6.2018 2.00 p.m.	11.7.2018 12.7.2018 10.00 a.m.
Ph.D.	Health Sciences :				
	Public Health	3	Master's Degree or its equivalent in any stream of Bio-Medical Science including Indian Systems of Medicine, Life sciences, Applied sciences, Allied Health Sciences, Nursing, Health Management and Health Administration, Social and Behavioural Sciences with an interest and inclination for public health with at least 55% marks.	4.6.2018 10.00 a.m.	10.7.2018 10.00 a.m.
	Optometry and Vision Science	3	Master's degree in disciplines of Optometry, Vision Sciences, Molecular Biology, Biotechnology, Biochemistry and Microbiology, Integrated Masters in Optometry and Vision Sciences, M. Phil. in Optometry and Vision Sciences, and B.Sc. Optometry along with MBA/MPH who are interested in continuing research in visual processing by a corresponding statutory body with at least 55% marks in aggregate or its equivalent grade.		
	Nursing	1	Master's degree in Nursing and/or M. Phil in Nursing from a recognized institution with at least 55% marks in aggregate or its equivalent grade.		
	Biomedical Sciences	1	Master's degree in Biochemistry/Animal Sciences/Biotechnology/Biosciences/Toxicology/Pharmacology /Microbiology/Biosciences from a corresponding statutory body with at least 55% marks in aggregate or its equivalent grade. **For JRF Qualified candidates only.**	--	
Ph.D.	Psychology	09	Master's Degree in Psychology with at least 55% marks.	2.6.2018 10.00 a.m.	10.7.2018 10.00 a.m.

Course	Subject		Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
Ph.D.	Cognitive Science	02	Master's Degree in Psychology/Linguistics/Natural Sciences/Computer Science or B.Tech. in any Engineering discipline with at least 55% marks.	3.6.2018 10.00 a.m.	10.7.2018 10.00 a.m.
Ph.D.	Materials Engineering	4	M.E./M.Tech. or equivalent Master's degree in Metallurgy; Mechanical (Production/Manufacturing Engineering); Materials Engineering; Ceramic Engineering/ Technology; Polymer Engineering/ Technology or Engineering Physics, Chemical Engineering; Nanoscience and technology **OR** Bachelor's degree in Engineering/Technology in any of the above disciplines. **OR** Master of science degree in Physics/Chemistry/ Materials Science/Nano Science and Technology **Candidates should have at least 55% marks in the respective qualifying exam.**	1.6.2018 10.00 a.m.	10.7.2018 10.00 a.m.
Ph.D.	Nano Science and Tech.	3	M.E./M.Tech. or equivalent Master's degree in Metallurgy; Mechanical (Production/Manufacturing Engineering); Materials Engineering; Ceramic Engineering/ Technology; Polymer Engineering/ Technology or Engineering Physics, Chemical Engineering; Nanoscience and technology **OR** Bachelor's degree in Engineering/Technology in any of the above disciplines. **OR** Master of science degree in Physics/Chemistry/ Materials Science/Nano Science and Technology **Candidates should have at least 55% marks in the respective qualifying exam**.	1.6.2018 2.00 p.m.	11.7.2018 10.00 a.m.

Note: For admission to M.Phil. and Ph.D. a relaxation of 5% marks in the minimum eligibility condition is provided to SC/ST/OBC (non-creamy layer) and PH candidates.

M.Tech Courses

Course	Subject	Intake	Minimum Qualifications for Admission #
M.Tech	Computer Science	45+5*	First class with minimum of 60% marks in Bachelors degree in Engineering/Technology (B.E/B.Tech)/ MCA/M.Sc in (Computer Science/ Information Science/ Electronics) and valid GATE score in **Computer Science & Information Technology**
	Artificial Intelligence	30+5*	
	Information Technology	30+5*	
	I C Technology	18+12*	First class with minimum of 60% marks in Bachelors degree in Engineering/Technology (B.E/B.Tech) in (Electronics, Instrumentation / VLSI), Masters degree with 55% marks in Electronics, Engineering/Applied/Radio Physics and valid GATE Score in **Electronics & Communication Engineering**
	Bioinformatics	25	First class with minimum of 60% marks in Bachelors degree in Engineering/Technology (B.E/B.Tech) in (Bioinformatics, Biological Science, Biotech engineering, Biomedical, Biochemical), Masters degree with 55% marks in Applied Microbiology/Physics/Science/ Maths/ Electronics, Bioscience, Bioinformatics, Life Science, Computer Science, Agricultural Science and Valid Gate Score in **Biotechnology**
	Materials Engineering	18	Bachelors degree in Engineering/Technology (B.E/B.Tech) in (Mechanical, Ceramic, Chemical, Industrial, Production, Manufacturing, Materials Science, Metallurgical, Metallurgy), Masters degree in chemistry, Biotechnology, Materials Science, Meteorology, Nano-science & Technology and Valid Gate Score in **Metallurgical Engineering**

Admission will be as per the guidelines of CCMT (Centralized Counseling for M.Tech)
* Admissions are open for industry sponsored and foreign candidates

Course	Subject	Intake	Minimum Qualifications for admission	Date and time of written test	Date and time of Interview
5-year Integrated M.Tech.	**Computer Science**	21	As per JOSAA/CSAB guidelines. One of the criteria for admission is that the candidate should satisfy at least one of these two criteria: (i) The candidate is within the category-wise top 20 percentile of successful candidates in their respective Class XII (or equivalent) examination of respective stream and Board. (ii) The candidate has secured minimum 75% (for GEN or OBC-NCL) or minimum 65 % (for SC, ST or PWD) of aggregate marks in the Class XII (or equivalent) examination of respective stream and Board	Seats will be allocated as per Centralized Counselling of JOSAA/ CSAB of JEE	---

3
SCHOOLS OF STUDIES

School of Mathematics and Statistics

The School offers facilities for intensive training and research in the basic areas of Mathematics, Statistics and Operations Research.

Prof. B. Sri Padmavati is the Dean of the School.

The School aims to train people who are oriented towards research and teaching in advanced areas of Mathematics and Statistics. Special attention is given to foundational topics.

The School offers research facilities in the following areas:

- Algebraic Groups, Hopf Algebras, Lie Algebras, Algebraic Geometry, Combinatorial Number Theory, Dynamical Systems, Topological Dynamics.

- Fluid Dynamics, Ordinary Differential Equations, Partial Differential Equations, Numerical PDE.

- Bayesian Modelling, Bioinformatics, Reliability, Survival Analysis, Statistical Inference, Extreme Value Theory.

Programmes of Study

The School offers **M.Sc.** and **Ph.D.** Programmes.

The **M.Sc.** Programme is offered in three streams namely, Mathematics, Applied Mathematics and Statistics-Operations Research. This programme is spread over a period of four semesters. For each stream, there are separate core courses and electives.

The School offers **Ph.D.** programmes in Mathematics, Applied Mathematics and Statistics. Admission to the Ph.D. Programme is open to both M.Phil and M.Sc. Students. Students admitted to this programme are required to satisfactorily complete their course work prescribed by the School in the first two semesters. Students who complete the coursework will only be allowed to continue their Ph.D. They are also expected to take part in the weekly Colloquium / Seminar of the School.

*The School also participates in the **5-Year Integrated M.Sc. Programme in Mathematical Sciences**, which is administered through College for Integrated Studies.*

Entrance Examination

M.Sc.

The entrance examination for admission into M.Sc. (Maths/Applied Maths and Statistics-OR) is based on a written test. The written test consists of objective type questions only.

Majority of the questions for M.Sc. (Maths/Applied Maths) will be on the following topics:

Sets, Sequences, Series, Limits, Continuity, Differentiation, Integration, Graphs of Functions, Coordinate Geometry of two and three dimensions, Group Theory, Ring Theory, Vector Spaces, Matrices, Determinants, Linear Transformations, Rank, Nullity, Eigenvalues, System of Linear Equations, Elementary Probability and Logical reasoning.

Majority of the questions for M.Sc. Statistics-OR will be on the following topics:

Sets, Sequences, Series, Limits, Continuity, Differentiation, Integration, Graphs of Functions, Vector Spaces, Matrices, Determinants, Linear Transformations.

Elementary Probability - Events, Independent Events, Conditional Events, Bayes' Theorem, Chebyshev's Inequality.

Random Variables and their Distributions – Binomial, Poisson, Geometric, Negative Binomial, Uniform, Normal, Exponential, Gamma, Beta.

Inference – Methods of Moments and ML Estimation, Test for Mean and Variance of the normal distribution, Contingency Tables, Simple Linear Regression.

Linear Programming Problem- Graphical Solution.

The admission will be made separately for M.Sc. Mathematics (including Mathematics and Applied Mathematics) and M.Sc. Statistics-Operations Research.

At the end of the first year, the students of M.Sc. Mathematics will be given the option to choose either Mathematics or Applied Mathematics.

Note: Change of option between Mathematics and Statistics-OR is not allowed.

Ph.D.

The entrance examination for admission into Ph.D. (Maths/Applied Maths and Statistics-OR) is based on a written test. The written test consists of two parts viz., Part-A – Research Methodology and Part-B – Subject specific. Both the parts consist of objective type questions only.

Majority of the questions for Part-B of Ph.D. (Maths/Applied Maths) will be on the following topics:

Linear Algebra, Real Analysis, Complex Analysis, Ordinary Differential Equations, Partial Differential Equations, Functional Analysis, Measure & Integration, Algebra, Number Theory and Numerical Analysis.

Majority of the questions for Part-B of Ph.D. Statistics-OR will be on the following topics:

Probability & Measure Theory, Real Analysis, Linear Algebra & Matrix Theory, Inference, Linear Models, Design & Analysis of Experiments, Sampling.

<u>*Note:*</u>

1) ***Candidates qualifying in National level tests awarding Fellowships (i.e., JRF's who qualify in CSIR/UGC Tests and NBHM -Ph.D. Test) will be exempted from writing the Ph.D. Entrance Examination and will be invited to appear for the interview directly.***

2) ***Candidates who appear for the Entrance Examination will be invited to appear for the Ph.D. interview, as per merit, in the ratio prescribed by Academic Council.***

The Ph.D. interview will be for 25 marks for all candidates who are called for interview (as prescribed in (2) and (3) above), i.e., without making any distinction between those who qualify in the National level Fellowship awarding tests or the Entrance Examination.

Infrastructure facilities

The School has good computing facilities. There are three labs. A Statistics lab with 25 PCs and 2 UGC (SAP) labs with 25 and 15 PCs respectively.

The University Library has been recognized as a Regional Library by the National Board for Higher Mathematics (NBHM).

Faculty

Professors

B. Sri Padmavati, Ph.D. (Hyderabad) - Fluid Dynamics [**Dean of the School**]

R. Radha, Ph.D. (IIT, Bombay) - Fluid Dynamics

G. Lakshma Reddy, Ph.D. (Madras) - Complex Analysis and Applications

Madhuchhanda Bhattacharjee, Ph.D. (Pune University) - Bayesian Modelling, Bioinformatics, Genetics, Reliability Survival Analysis

Associate Professors

B. Shobha, Ph.D. (IIT, Delhi) - Statistical Inference and Reliability

M. Sumanth Datt, Ph.D. (Hyderabad) - Hopf Algebras, Algebraic Groups

T.K.S. Moothathu, Ph.D. (Hyderabad) - Topological Dynamics

S. Ilangovan, Ph.D. (TIFR, Mumbai) - Lie Algebras and Representation Theory

Saroj Panigrahi, Ph.D. (Berhampur) - Differential Equations

Assistant Professors

T. Suman Kumar, Ph.D. (Universite Pierre et Marie Curie) - Nonlinear population dynamics, Hyperbolic PDE.

T. Sengupta, Ph.D. (Brandeis) - Elliptic Curves and Arithmetic Geometry

Archana Subhash Morye, Ph.D. (HRI, Allahabad) - Algebraic Geometry

Mohan C. Namdev, Ph.D. (HRI, Allahabad) - Combinatorial Number Theory

B.G. Manjunath, Ph.D. (Germany) – Extreme Value Theory
P. Chiranjeevi, Ph.D. (Hyderabad) – Dynamical Systems

Honorary Professors
V. Kannan, Ph.D. (Madurai), F.A.Sc., F.N.A., F.N.A.Sc. – Topology and Analysis

Visiting Professors
T. Amaranath, Ph.D. (I.I.T. Madras), F.N.A.Sc. - Fluid Dynamics [*NBHM*]

School of Computer and Information Sciences

The School of Computer and Information Sciences (SCIS) epitomizes excellence in all the major functions associated with higher learning such as teaching, research, student development and curriculum planning. The strengths of the School are its quality faculty, innovative and flexible curricula with their unique focus on post-graduate education, state-of-the-art research with a remarkably high number of PhD scholars – both ongoing and recently graduated, and highly open and transparent policies that foster a healthy student-faculty interaction. SCIS always stood for innovation and leadership in curriculum planning – having one of the oldest (from 1983) and even now one of the best MCA programmes; boldly proposing and introducing the M.Tech programme in Artificial Intelligence in 1986 to attract the small but growing number of undergraduates in computer science; and, in 2002, introducing the unique M.Tech in Information Technology (with specialization in Banking Technology and Information Security) in collaboration with IDRBT (Institute for Development and Research in Banking Technology, a sister Institute of RBI) aimed at bridging the shortfall of trained computer professionals in banking and finance industries. In 2014, the School has started a 5-year Integrated M.Tech(CS) programme to admit students immediately after Class XII.

The current research areas in the School include Computer Networks and Distributed Processing, Data Base Management Systems, Software Engineering, Computer and Network Security, Mobile Computing, Logic, Decision Support Systems, Enterprise Resource Planning, E-Commerce, Geographical Information Systems, Data Warehousing and Data Mining, Bioinformatics, Artificial Intelligence, Machine Learning, Cognition, Natural Language Engineering, Speech Processing, Wireless Sensor Networks, Computer Forensics, Information Security, Image Processing, Heuristics and Metaheuristics, Cryptology, Pattern Recognition, Vision, Parallel, Grid and Cloud Computing.

Funding for the School: The School has been recognized by several funding agencies. University Grants Commission (UGC) has sanctioned a Special Assistance Program (SAP), at the level of Departmental Research support (DRS) - Phase I, to enhance teaching and research programmes. The Department of Science and Technology (DST), Government of India has recognized the research contributions of the School by funding it under FIST and PURSE programmes.

Research Projects: The School currently executes several research projects (funded by MIT, UGC, ISRO, DRDO, DLRL, MHA, DST, INCOIS etc.) on FAE, Content-Based Image Retrieval, Speech and Natural Language Processing, Grid Computing, Cryptography, Neural Networks, Formal Methods in Software Engineering, Business Process Re-engineering, Forensic Document Analysis, System Security, Wireless Sensor Networks, Manufacturing and Logistics, Grid Middleware etc.

Student Funding: Students of the School have the facility of getting funding under faculty research projects and funding from other sources such as the UPE2/PURSE funding that the university/School gets from UGC/DST etc. This is open to Ph.D./Integrated M.Tech./MCA students. M.Tech. (CS/AI/IT) students are all eligible for the GATE scholarships under AICTE funding. Ph.D. students are eligible for scholarships from the university for a period of 5 years.

Other Ph.D. Fellowship:

a) IDRBT Fellowship: Currently the fellowship will carry monthly stipend of Rs.25,000 (for 1st and 2nd year) and Rs.28,000 (for 3rd, 4th and 5th years), subject to revision from time to time. The students will work full time at IDRBT. The breakup of these IDRBT PhD Fellowships will be as per reservations norms of GOI. The areas of research of the scholars need to be relevant to banking technology and information security. There will be joint guidance of IDRBT and SCIS (UoH), one guide from each.

b) Visvesvaraya PhD Fellowship: Further, details can be found at http://phd.medialabasia.in/ for fellowships for 2018-19, if available.

Industry, Academic and other contacts: SCIS maintains active contact with both industry and research labs and participates in developing state-of-art computing systems. The School has initiated academic collaboration at an international level with University of Trento, Italy; Mahasarakham University, Thailand; Universite de Bretagne-Sud, Lorient, France; Griffith University, Brisbane, Queensland, Australia; Prof. C. R. Rao AIMSCS Institute; IDRBT, IIIT Hyderabad; ISI Calcutta and National University of Singapore, Singapore. The School has MoUs for collaborative work with NISG (National Institute for Smart Government), Anna University, IBM (ISTL), Hitachi Consulting and Altair Engineering to promote research and teaching programmes in Business Process Re-engineering and Middleware Technology. The School offers elective courses in collaboration with Hitachi Consulting on Service-Oriented Architecture and with IBM ISL on Big Data and Virtualization. The School has conducted half-day and full-day workshops/technology days in collaboration with corporations such as J P Morgan Chase, Hitachi Consulting and IBM ISL

Placement: The School has a vibrant placement programme. The School attracts many product-oriented dream companies such as IBM, Teradata, GE, Cisco, Commvault, Cavium Networks, FreeScale, TeamFI, Honeywell, Oneconvergence, JPMC, HSBC, Works Apps, CA, Polaris, Imagination Technologies (HelloSoft), and other companies such as Broadridge, ADP, TCS, DST, Capgemini, Cordys, Intergraph, Aveva, Hitatchi consulting, Redpine.

Programmes of Study

The School offers five different programmes of study leading to: **Ph.D**. in Computer Science, 5-year **Integrated M.Tech.** in Computer Science, **M.Tech.** (Computer Science), **M.Tech.** (Artificial Intelligence), **M.Tech.**(Information Technology) with specialization in Banking Technology & Information Security, in collaboration with IDRBT and **M.C.A.** In addition, the school also contributes and supports the School of Physics, School of Life Sciences, 5-year Integrated M.A. and M.Sc. courses.

Ph.D.

The School has a very vibrant Ph.D programme with more than 60 registered students currently, both Indian and foreign nationals, as on date and more than 100 scholars have completed their research till now. As the School always has a high priority for research, it strongly encourages fresh and brilliant students to participate in the above exciting research programmes as full-time/part-time Ph.D. students. School further offers Visvesvarya PhD Fellowships (sponsored by DeitY) for supporting brilliant Ph.D. students. This is subject to sanction of the Govt. of India (Admission Notice will come as a separate advertisement). Further, details can be found at http://phd.medialabasia.in/. The School is also recognized as an AICTE Minor QIP Centre for Ph.D. Programme. For further details, please refer to QIP brochure available at http://qip.iitd.ac.in/qipadm2017/QIP_Brochure_Ph.D.pdf

Ph.D. programme is offered on full time, part time and external registration basis as per the university regulations. Candidates who have the required qualifications and are doing teaching/research in recognized institutions or researchers from companies registered with STPI/NASSCOM/Central Government Organizations who operate within the jurisdiction of the University can apply for part time admission, which is available during 2018-19. **Interested candidates are advised to study the areas of research from the School and faculty profiles.** Please visit School website http://scis.uohyd.ac.in for details.

Admission Process: Please refer to appropriate section in the prospectus about UGC Regulations 2016. Admission will be through a written test followed by an interview. The candidates who have been awarded JRF Fellowship after writing a National-level written test will be exempted from writing written test of the University and will be directly called for the Interview.

Written Test Format and Syllabus:

The written test will consist of *only objective type* questions. 50% of questions shall be from Research Methodology and the other 50% shall pertain to the concerned subject. The paper shall have two parts, Part A and Part B. The following syllabus is proposed for the PhD entrance examination

PART A: Research Methodology:

- Quantitative Methods: Data preprocessing, graph plotting, plotting functions and data, statistical data analysis.
- Research: Technical Comprehension, Meaning, characteristics and types of research; Steps of research; Methods of research; Research Ethics.
- Aptitude and Reasoning: Reasoning, Logical Reasoning, Data Interpretation.
- Computer Applications: Flow Charts, Problem Solving.

PART B: Computer Science:

Computer Organization, Computer Programming, Discrete Mathematics, Data Structures, Algorithms, Operating Systems, Database Management Systems, Graph Theory, Computer Networks, and Automata.

The written test is for total of 80 marks and both Part A (40 questions) and Part B (40 questions) will have equal weightages.

Interview Process:

The number of candidates called for interview is six times the available seats. Candidates must indicate their research interest at the time of the interview. *All candidates must come prepared with a tentative research plan* write-up of maximum 4 pages and are encouraged to submit details of research papers/technical reports (if any), they have authored.

Foreign candidates: Foreign nationals seeking admission in PhD programme should have the required basic qualifications. Candidates must demonstrate their ability to communicate in English. Following are the guidelines for admission to PhD:

Foreign students are required to submit past academic records, three reference letters, and a statement of purpose on the research topic of their interest. They must have good ability to communicate in English. In order to support the claim for admission into PhD, the following guidelines are stipulated:

o Students residing in India and who have taken prior qualifying education in India **have to appear for the interview** with all required supporting documents
o Both GRE and TOFEL/IELTS scores are to be submitted at the time of admission

Please also read section on Admission of Foreign Nationals in the prospectus.

5-year Integrated M.Tech. in Computer Science:

The School has introduced a 5-year Integrated M.Tech. Programme in Computer Science with effect from the academic year 2014-15. The students will be awarded M.Tech (CS) degree at the end of five years. It is to be noted that there is no exit option. This programme is intended to provide a high quality computer science education with a curriculum that is state-of-the-art. The School boasts of a very low student-teacher ratio that allows faculty to give individual attention to students.

Admission Process:

The admission to 5-year Integrated M.Tech. in Computer Science will be done through JEE(Main) examination conducted in 2018 and the counselling for admission will be done by Joint Seat Allocation Authority (JOSAA)/Central Seat Allocation Board (CSAB).

Foreign candidates should clear SAT-I or ACT examination as a pre-requisite for admission to 5-year Integrated M.Tech. in Computer Science and may apply directly to office of International Affairs, University of Hyderabad. **Please also read section on Admission of Foreign Nationals in the prospectus.**

Master of Technology (M.Tech) is meant for graduates in engineering disciplines and postgraduates in related sciences. Three different streams of M.Tech. are offered by the School – M.Tech(CS), M.Tech(AI) and M.Tech(IT) with specialization in Banking Technology and Information Security. Admissions are open for industry sponsored and foreign candidates also. These are all supernumerary.

M.Tech. (Computer Science) This programme offers core courses of computer science like Operating Systems, Computer Architecture, Algorithms, Software Engineering at an advanced level. Specialized electives of faculty research interest are offered as electives. Students can also specialize in "Systems", "Security" and "High Performance Computing" based on courses taken and the dissertation in these areas.

M.Tech. (Artificial Intelligence) This programme is meant for students interested in specializing in artificial intelligence such as Knowledge Representation and Reasoning, Machine Learning, Human Computer Interaction etc.

M.Tech. (Information Technology) with specialization in Banking Technology and Information Security aims at imparting in-depth knowledge and state-of- art expertise to the students through innovative learning supported by high calibre research and technology leadership to create a pool of responsible and resourceful IT professionals, in particular, for the banking and finance sector. This course is offered in collaboration with IDRBT, an RBI institute.

Admission Process:
General Admission Information for M.Tech. Programmes. Admission to programmes in *Computer Science*, *Artificial Intelligence* and *Information Technology* courses is through centralized counselling by CCMT (ccmt.nic.in) and is **based on valid GATE scores in Computer Science and Information Technology only**.

Admission and tuition fees for all the three M.Tech. Programmes are uniform.

Sponsored candidates: Five sponsored seats are available for admission into each stream of M.Tech CS, AI and IT. Sponsored candidates seeking admission in the **M.Tech.** (CS/AI/IT) programmes are exempted from the **GATE** qualification. Candidates with required basic qualifications would be selected through interviews. Employees with a minimum 2 years of work experience in IT companies registered with STPI or NASSCOM or Central Government Organizations can apply for M.Tech admission in CS/AI. For M.Tech. (IT) those working in Banks/Financial institutions with a minimum of 3 years work experience will be considered.   A candidate seeking admission in this category into M.Tech. (CS/AI/IT) must submit (along with application) the organization's willingness to pay a sponsorship amount of **One Lakh Rupees per candidate** (one time) to the development fund of the School. After admission, candidates are required to pay the sponsorship amount and also the usual tuition, admission and other fees as prescribed by the University for other students from time to time. These candidates need to apply to the University as per the prescribed application form

Foreign candidates: Foreign nationals seeking admission to M.Tech. Programmes should have the required minimum qualification with background knowledge in Mathematics, Algorithms, Computer Programming etc. Candidates should have ability to communicate in English and should submit a supportive document with a good score in TOEFL/IELTS at the time of admission. In addition, students

should submit a letter of reference which supports their claims to the background knowledge and ability to communicate in English. **Please also read section on Admission of Foreign Nationals in the prospectus.**

M.C.A.Programme aims to prepare graduates in all the major areas of computer science, relevant aspects of mathematics and management so that they can take up both technical and managerial positions in industry. The training is rigorous and involves five semesters of course work and one semester of project work. MCA students of earlier batches have been offered internships at companies such as IBM, GE, Microsoft, CA, CMC, Honeywell etc. and are thus provided an opportunity to learn in industry environment during their last semester.

Admission Process:

MCA admissions are done based on the scores obtained in **NIMCET (National Institute of Technology Master of Computer Applications Common Entrance Test) 2018** only. **NIMCET 2018 scores, in order of merit, will be the basis for admission which is done by the counselling at the University of Hyderabad. Interested candidates need to apply to the University of Hyderabad and separately need to provide their NIMCET 2018 scores (when available) as per the information provided by Controller of Examination, University of Hyderabad.**

Foreign candidates: Foreign nationals seeking admission to MCA programme should have the required minimum qualification. Candidates should have ability to communicate in English and should submit a supportive document with a good score in TOEFL/IELTS at the time of admission. **Please also read section on Admission of Foreign Nationals in the prospectus.**

General Information for admitted candidates:

The admitted candidates have to report to the School on the day of commencement of the semester. All first year students of all programmes – Ph.D., Integrated M.Tech, M.Tech (CS/AI/IT) and MCA – will have an orientation programme on the first day of the semester to introduce them to the School faculty and be appraised of the academic procedures. The first year M.Tech.(CS/AI/IT) students will have an elective orientation programme along with second and third year MCA students in the afternoon of the first day of the semester. M.Tech. students are **strongly encouraged** to attend the elective orientation as it helps them in choosing the electives. The elective registration will happen on the second day of the semester. Elective registration is done in descending order of GATE score and according to the limits per stream for each elective course. Students who are not physically present for the elective registration will lose the opportunity to choose electives as per their interest if these seats are filled up.

Pre-PhD course work for registration to Ph.D. programme :

The candidates admitted to Ph.D. programme in the School will be governed by the following rules:

1. All candidates admitted to Ph.D. in the School, whether full time, part time or external, are required to complete the course work. Initial admission is provisional and subject to candidate passing the course work. In case a candidate is unable to pass the course work within one year, his/her admission stands automatically cancelled.
2. The course work will consist of four papers -Data Structures and Programming, Algorithms, Research Methods in Computer Science and an Elective. The elective papers will be decided by the Doctoral Research Committees of the candidates concerned.
3. On successful completion of all the four papers, the candidate will be allowed to continue the registration for Ph.D.

Candidate is requested to refer to appropriate section in the prospectus about UGC Regulations 2016.

M.Tech (CS/AI/IT) and 5-year Integrated M.Tech.: The dissertation work is done by the students starting from the 3rd semester for M.Tech (CS/AI/IT) students and 9th semester for Integrated M.Tech students. The students have the option of doing part of their dissertation work in an external institution (academic or corporate) of high repute – both national and international – where the School has an ongoing collaboration. However, internship through placement is not considered part of the dissertation.
Internship

Internships are encouraged for all students by the School.

For further information visit: http://scis.uohyd.ac.in

FACULTY

Professors
Arun Kumar Pujari, Ph.D. (I.I.T. Kanpur) - Combinatorial Algorithms, Data Mining, Artificial Intelligence**.
(On leave)**

Arun Agarwal, Ph.D. (I.I.T Delhi), B.Tech. (I.I.T Delhi), SMIEEE, FIETE, FAPAS - Image Processing, Computer Vision, Pattern Recognition and Neural Networks, Grid Computing. **(Dean of the School)**

HrushikeshaMohanty, Ph.D. (I.I.T. Kharagpur) - Distributed Computing, Software Engineering, Computational Social Science. **(On leave)**

P.N. Girija, Ph.D. (SVU) – Speech Synthesis, Speech Recognition, Human Computer Interaction, User Interfaces

K.Narayana Murthy, Ph.D. (University of Hyderabad) - Natural Language Engineering

ChakravarthyBhagvati, Ph.D. (RPI, USA) - Image Processing, Computer Vision, Pattern Recognition

C. Raghavendra Rao, Ph.D. (Osmania University) - Simulation &Modeling, Knowledge Discovery, Computational Intelligence. **(On leave)**

Bapi Raju Surampudi, Ph.D. (UTA, USA) - Neural Networks, Cognitive Modeling, Pattern Recognition,Machine Learning.

Atul Negi, Ph.D. (University of Hyderabad), M.S.(I.I.Sc., Bangalore) - Pattern Recognition and its Applications, Computational Intelligence, Technology Enhanced Learning

Siba Kumar Udgata, Ph.D. (Berhampur) - Mobile Computing, Networks and Architecture.

Rajeev Wankar, Ph.D. (DAVV, Indore) – Parallel Computing, Grid Computing, Analysis of Algorithms

Alok Singh, D.Phil. (University of Allahabad) - Combinatorial Optimization using Heuristic & Metaheuristic techniques.

Vineet C. P. Nair, Ph.D. (Griffith University, Australia) - Knowledge Representation and Reasoning, Multi-Agent Systems, Logics in Artificial Intelligence.

Associate Professors
S. Durga Bhavani, Ph.D. (University of Hyderabad) - Analysis of Algorithms, Fractal Geometry, Mathematical Modeling

V.Ch.Venkaiah, Ph.D. (I.I.Sc., Bangalore) – Discrete Mathematics, Algorithms, Cryptography

T. Sobha Rani, Ph.D. (University of Hyderabad) - Bioinformatics, Machine Learning Techniques, Advanced Data Structures

Salman Abdul Moiz, Ph.D. (Osmania University) – Distributed Computing, Software Engineering, Disaster Recovery

K. Swarupa Rani, Ph.D. (Acharya Nagarjuna University), Data Mining, Time-Variant Databases, Machine Learning

Digambar Povar, Ph.D. (BITS, Pilani), M.Tech. (NIT Warangal), B.Tech. (Andhra University) – Digital Forensics, Cloud Computing, Cyber Security

Assistant Professors

Y.V. Subba Rao, Ph.D. (University of Hyderabad) - Cryptography, Theory of Computation, DBMS, Data Forensics

Wilson Naik, M.Tech. (JNTU Hyderabad) - Network Forensics, Systems Security, Networking

P. Anupama, Ph.D. (University of Hyderabad), M.S. (UMBC, USA) - Networking, Operating Systems and Graph Mathematical Morphology.

M. Nagamani, M.Tech. (JNTU, Hyderabad) - Speech Processing, Information Retrieval, Intelligent tutoring system, Cognitive psychology, Embedded Systems

P S V S Sai Prasad, Ph.D. (University of Hyderabad) - Data Mining, Rough Sets, Unix and Network Programming

Rajendra Prasad Lal, Ph.D. (Utkal University)   - Graph Algorithms, Mathematical Programming, Computational Geometry.

N. Rukma Rekha, Ph.D. (Andhra University) - Object Oriented Analysis and Design, UML, Cryptography, Pervasive Computing, Software Engineering

Anjeneya Swami Kare, M.Tech. (IIT Kanpur) - Graph Theory, Algorithms, Data Structures, Theory of Computation.

Nekuri Naveen, Ph.D. (University of Hyderabad), MTech (SE), B.Tech. (CSIT),– Data Mining, Neural Networks, Optimization

Md. Abdul Saifulla, Ph.D. (Anna University), M.S. (IITM),– Computer Networks, Algorithms

Avatharam Ganivada, Ph.D. (Calcutta Univ), M.Tech. (Andhra University), M.Sc.(Andhra University), – Machine Learning, Softcomputing

Faculty of IDRBT

Professors
V.N. Sastry, Ph.D. (IIT Kharagpur) – Optimization Techniques, Fuzzy Control, Mobile Payments Security, m-Governance, ALM, Portfolio& Network Optimization

Vadlamani Ravi, Ph.D. (Osmania University, Hyderabad), RWTH Aachen, Germany – Data Mining, Text Mining, Big Data Analytics, Soft Computing, Neuro/Fuzzy/Evolutionary Computing and applications.

B.M. Mehtre, Ph.D. (IIT Kharagpur)– Cyber Security, Digital Forensics, and Biometrics

Associate Professors
M.V.N.K. Prasad, Ph.D. (B.H.U., Varanasi) - Image Processing, Security and Biometrics

G. R. Gangadharan, Ph.D. (University of Trento, Italy) – Cloud Computing, Web Services, Green IT.

N. P. Dhavale, FPM(IIM Calcutta) - Payment Systems, IT Infrastructure

Assistant Professors
V. Radha, Ph.D. (University of Hyderabad) – Cloud Computing, Security, Networks, Web Services

Rajarshi Pal, Ph.D. (IIT Kharagpur) – Image Processing, Cyber Security.

N.V. Narendra Kumar, Ph.D. (TIFR) - Design, Modelling, Security Analysis of Systems including Operating Systems, Payment Protocols and Mobile Apps

P. Shyam Kumar, Ph.D. (Pondicherry University) - Cloud Computing, Virtualization, Cryptography, Internet of Things, Big Data, Internet Technologies & Compiler Design.

Nagesh B. Sristy, Ph.D. (NIT Warangal) - Machine Learning, Data Mining, Big Data Analytics, Text Analytics, Database Systems, Distributed Systems

Visiting Professors

Dr. Satish Srirama, University of Tartu, Estonia

Dr. Rajkumar Buyya, University of Melbourne, Australia

Dr. Andre Rossi, Université d'Angers, France

Dr. Dominik Slezak, University of Warsaw and Chief Scientist at Infobright Inc., Poland.

School of Physics

The School of Physics is a centre of excellence for multi- disciplinary and interfacial research and teaching in diverse fields ranging from nanosciences and cold atoms to cosmology, photonics, quantum field theory, spintronics, and particle physics to complex systems. Thus the School deals with Physics at all scales. The School has been selected by the UGC as the Centre for Advanced Study (CAS) Level II to strengthen its teaching and research programmes. The School of Physics has level II funding under the FIST scheme of DST in a nationwide competition. The DST recognized the School as one of the five funding centres in the country for the Theoretical Physics Seminar Circuit (TPSC). The School has been acknowledged as a 'Centre of Excellence' by the Third World Academy of Sciences, Trieste, Italy. The UGC also recognizes the School of Physics as a Networking Resource Centre. The school has an international collaboration with Fermilab on neutrino experiments, and also discussions with CERN for compact muon solenoid experiments.

The School of Physics has developed high-quality teaching programmes at the Integrated M.Sc, M.Sc., M.Tech. and Ph.D. levels with student-teacher ratio highly favourable for individual attention.

The School has active research programmes to train Ph.D. scholars and has achieved national and international recognition in the areas of condensed matter physics, high-energy physics experiment and theory, quantum field theory, cosmology, gravity, nonlinear optics, quantum optics, laser physics, nanoscience, and electronics science. The areas of research include critical phenomena, liquid crystals, thin films, ion beam physics, semiconductors, nanostructured materials, quantum dots, cold atoms, quantum field theory, heavy flavor phenomenology, gravitational waves, neutrino physics, experimental high energy physics, quantum computing, high Tc superconductivity, shape formation in metals and ceramics, magnetism, modern quantum optics, femtosecond laser experiments, ferroelectrics and microwave devices, Experiments and Computational studies on Soft and Active Matter and Photonic Crystals

Prof. Bindu A. Bambah is the Dean of the School.

Programmes of Study

The School offers I.M.Sc.(5- Year Integrated) Physics, M.Sc. (Physics), and Ph.D.

I.M.Sc. (5-year Integrated) Physics: This programme is of five years (10 semesters) duration with an exit option in three years with a B.Sc degree. The courses taken by the students during the first six semesters are Mechanics and Properties of Matter, Kinetic Theory and Thermodynamics, Waves and Optics, Electromagnetic Theory and Modern Physics and Atomic / Molecular Physics. Emphasis is on tutorials and problem-solving. For subsequent four semesters, students follow the standard M.Sc. programme.

M.Sc (Physics): This programme is of four semesters duration. The first three semesters cover the fundamentals of the subject. The courses taken by all the students include Classical Mechanics, Quantum Mechanics, Mathematical Methods, Introductory Particle Physics, Introductory Solid State Physics, Introductory Optics and Laser Physics, Computer Applications, Electronics. Electrodynamics, Statistical Mechanics, besides laboratory courses in Electronics, Solid State Physics, Digital Electronics, Lasers, Microwaves, Modern Physics, Nuclear and Particle Physics. There is a strong emphasis on problem-solving and learning experimental techniques. In the fourth semester, the students choose electives from a cornucopia of courses. Each student also has to do a project work of 6 credits, two credits in the third semester and four credits in the fourth semester.

Ph.D. (Physics): Admission to the Ph.D. programme is open to M.Sc, and B.E./B.Tech. graduates. All students admitted into the Ph.D. programmes are required to undergo course work. Satisfactory completion of prescribed course work with at least 50 marks is a prerequisite for confirmation of Ph.D. registration. These are research programmes with students undertaking research under the supervision of a Faculty member, on a topic approved by the School. The student is required to show satisfactory progress throughout the period of research as well as fulfil other requirements prescribed by the School. The Ph.D. requirements include prescribed course work and submission of research results in the form of a thesis, at least one research paper in journals and defence of the thesis in a viva voce.

Entrance Examination:

The test for **M.Sc. (Physics)** will mainly be in Physics (mechanics, general properties of matter, kinematics, heat and thermodynamics, wave motion, electricity and magnetism, light, modern physics, electronics and measurements) and mathematics (algebraic equations, differential and integral calculus including limits, vectors, matrices and determinants, elementary differential equations and elementary functions and their graphs).

Admission to **Ph.D.** in Physics is based on a written test and interview. The framework for test and interview will be by the UGC Regulations, 2016 vide notification dated 5th May 2016. A part of the test will be based on the standard M.Sc. syllabus of Indian Universities i.e. Classical Mechanics, Relativity, Thermodynamics and Statistical Mechanics. Electromagnetic Theory, Quantum Mechanics, Modern Physics, Condensed Matter Physics, Nuclear and Particle Physics, Optics, Electronics, Mathematical Physics and Experimental Techniques. The written test will consist of objective type questions. A part of the written exam will be on research methodology to assess the acumen of the student[t] for research. This test is a qualifying one by 2016 UGC regulations. Those who qualify in the written exam will be called for interview on basis of their performance.

Faculty

Professors

Bindu A. Bambah, Ph.D. (Chicago) –Quantum Field Theory, Neutrino Physics and Quantum Entanglement (T) **(Dean of the School)**

V. Seshu Bai, Ph.D. (I.I.T. Madras) - Condensed Matter Physics (E), Superconductivity, Intermetallics, Rapid prototyping and Gelcasting of ceramic & metallic components (E)

Ashok Chatterjee, Ph.D. (IACS, Jadavpur) – Condensed Matter Physics (T) – Low-dimensional systems, Strongly correlated systems, Superconductivity (T)

M. Sivakumar, Ph.D. (Madras) - Quantum Field Theory (T)

P. K. Suresh, Ph.D. (Cochin) - Cosmology (T)

P. Anantha Lakshmi, Ph.D. (UoH, Hyderabad) – Quantum Optics, Quantum Information (T)

Suneel Singh, Ph.D. (UoH, Hyderabad) - Quantum Optics, Non-linear Optics (T)

Nirmal K. Viswanathan, Ph.D. (UoH, Hyderabad) – Singular Optics, Optical Angular Momentum and Near- Field Optics (E)

Rukmani Mohanta, Ph.D. (Utkal) -High Energy Physics, Heavy Flavour Physics, Neutrino Physics (T)

Surajit Dhara, Ph.D. (RRI Bangalore) – Soft Matter and living systems, Soft Matter Photonics (E & T)

S. Srinath. Ph.D. (UoH, Hyderabad) - Condensed matter physics, Magnetic nanostructures. Multilayers/thin films, Magnetic oxides, Multiferroics (E)

E. Harikumar, Ph.D. (UoH. Hyderabad) - Quantum field theory and Gravity (T)

B. V. R. Tata Ph.D. (Madras) - Soft and Active Matter and Photonic Crystals (E)

Sharath Ananthamurthy, Ph.D. (The University of Iowa) - Soft Condensed Matter, Biophysics, Optics, Laser Spectroscopy (E)

Associate Professor

Ashoka S. Vudayagiri, Ph.D. (UoH, Hyderabad) – Quantum Optics. Laser Cooling, Quantum Information, ferrofluids (E)

Assistant Professors

Soma Sanyal, Ph.D. (loP, Bhubaneswar) - Cosmology, Heavy - ion Collisions (T)

A. Rajani Kanth, Ph.D. (University of Tsukuba, NIMS - Japan) – Spintronic Devices (E)

G. Venkataiah, Ph.D. (Osmania) - Condensed Matter Physics, Magnetic Materials & Multiferroics, Electric field control of Magnetism (E)

Shyamal Biswas, Ph.D. (lACS, Kolkata) - Statistical & Condensed Matter Physics (T)

Barilang Mawlong, Ph.D.(UoH, Hyderabad) – Theoretical High Energy Physics (T)

N. Sri Ram Gopal, Ph.D. (Tulane University, New Orleans) Ultrafast spectroscopy, Laser Surface patterning (E)

Jayeeta Lahiri, Ph.D. (University of South Florida) – Experimental Condensed Matter Physics, Surface and Material Science (E)

Naslim Neelamkondam Ph.D. (Queens University, Belfast) - Astronomy

Bhawna Gomber, Ph.D (Saha Institute of Nuclear Physics) - Experimental High Energy Physics (E)

Emeritus Faculty

A. K. Bhatnagar, Ph.D. (Maryland) - Materials Science (E), (NASI Emeritus Scientist)

A. P. Pathak, Ph.D.(I.I.T. Kanpur), F.N.A.Sc .. F.lnst.P. (London), C.Phys. - Atomic Collisions in Solids, Radiation Damage, Surface Physics, Superlattices & Heterostructures (T & E), (CSIR Emeritus Fellow)

C. Bansal, Ph.D. (TIFR, Bombay) - Condensed Matter Physics, Phase Transformations, Mossbauer Spectroscopy, Nanomaterials (E) (UGC Emeritus Professor)

Honorary Professors

D. Narayana Rao, Ph.D. (I.I.T. Kanpur) - Non-linear Laser Spectroscopy (E) (UGC-BSR Faculty Fellow)

C. S. Sunandana, Ph.D. (I.I.T. Madras) - Condensed Matter Physics (E)

S. N. Kaul, D.I.I.T., Ph.D. (I.I.T. Kharagpur), F.N.A., F.A.Sc., C.Phys., F.lnst. P (London) – Condensed Matter Physics, Phase Transitions. Magnetism, Critical and Re-entrant Phenomena (E)

Vipin Srivastava, Ph.D. (Roorkee) - Condensed Matter Physics, Neural Networks, Brain Function Modeling (T)

Centre for Advanced Studies in Electronics Science and Technology (CASEST)

The Centre for Advanced Studies in Electronics Science and Technology (CASEST) is a successor to the DoE/UGC Electronics Programme initiated in 1995-96 to carry out research and teaching in Electronics Science. The Centre is supported by the UGC's Special Assistance under DRS-1. The Centre offers two programmes: Master of Technology in Integrated Circuits Technology [M.Tech. (ICT)] and Ph.D. (Electronics Science).

M. Tech. (Integrated Circuits Technology) is a two-year (4-semester) programme. The first two semesters are devoted to course-work, and the 3rd and 4th semesters are devoted to master's thesis work. Students have the option to do their master's thesis within the University or Industry or R & D Labs in relevant area. For all candidates carrying out thesis work in Industry or R&D Labs, there will be two supervisors: one from the respective Lab/Company and the other from CASEST, University of Hyderabad. Currently, the course work offered by CASEST covers theory and laboratory courses in Analog, Mixed-Signal, Digital, RF CMOS IC Design, µW-RFIC, MEMS, Semiconductor Devices and Microelectronics fabrication. The laboratory courses cover Design, Simulation, Fabrication, Testing and Validation of Devices, Integrated Circuits and Microsystems by using state-of-the art EDA Tools, Technologies and Techniques.

M.Tech (Integrated Circuits Technology) Regular Mode (18 Seats): Eighteen regular seats are available for candidates who have a valid GATE score in Electronics and Communication Engineering with qualifying degree as **Either**
B.E/B.Tech. in. Electronics, Instrumentation and Control Engg/ Electronics and Communication Engg/ Electronics and Control systems / Electronics and Information Systems**/** Electronics and Instrumentation/ Electronics Engineering/ Electronics Science and Engineering/ Electronics Technology/ Instrumentation**/**Instrumentation & Electronics Engg./ Instrumentation & Control Systems/ Instrumentation Technology.
<div align="center">**OR**</div>
M.Sc in Electronics/ Electronics and Communication**/**Engineering Physics & Instrumentation/ Physics/ Radio physics**/**Radio Physics & Electronics**/**Applied Electronics

The admission for the regular mode is through centralised counselling for M.Tech, i.e., CCMT. For details please see https://ccmt.nic.in

M.Tech (Integrated Circuits Technology) Sponsored Mode (12 Seats): In addition to regular mode, twelve seats are available for candidates with minimum three years of experience in relevant areas in Govt. R&D Labs/Public Sector Units/Publicly Listed Companies and sponsored by their parent organizations. The admission for sponsored candidates will be through an interview in lieu of GATE

score, **with the same qualifying degree requirement as regular mode**. Please see table at Chapter **2** for eligibility criteria. The sponsored applicants have the option to do their one year M.Tech Thesis work in their respective Lab/Company. The duration for completing the course for sponsored candidates will be the same as for regular candidates. Eligible candidates who wish to apply under sponsored category need to send a hard copy of their application, (in addition to online application) with "SPONSORED CATEGORY – M.Tech (ICT)" clearly marked on the top of the first page of the application, along with the sponsorship certificate from the organization to The Controller of Examination, University of Hyderabad, Prof.C.R.Rao Road, Gachibowli, Hyderabad-500046 before the last date. The course fees for sponsored category is Rs.50,000/- (Fifty thousand rupees) per semester.

Ph.D. (Electronics Science) (**07 Seats for AY 2018-19**) is a research program covering areas such as Signal Processing, Digital VLSI design, Semiconductor Devices, Thin films, High-k dielectrics, Radiation damage & reliability, Magnetic nanocomposites, Sensors etc. The proposed intake for the academic year 2018-19 is 7. For admission to the Ph.D programme, candidates will be shortlisted for interview based on merit in the written examination conducted by University of Hyderabad. The written examination will be objective type and include questions from the standard B.Tech/M.Sc syllabi of Indian Universities in the areas of Electronics & Communication Engineering, Instrumentation Engineering, Physics and Electronics Science. There will also be a section with questions on research methodology as described in the UGC 2016 regulations.

Admission and confirmation are governed by the 2016 UGC regulations and University regulations regarding Pre-Ph.D. coursework.

In addition, CASEST also coordinates outreach activities like PG Diploma in Telecommunications (PGDTC) and PG Diploma in Telecom Training and Management offered by the Centre for Distance and Virtual Learning.

Further details are available at the following link : http://casest.uohyd.ac.in

Faculty

Professors

Guruswamy Rajaram Ph.D. (TIFR, Mumbai) Micro-electronics, Device Fabrication

K. C. James Raju Ph.D. (IIT Madras) Materials, Devices, Simulations and Measurement Techniques for Microwave and THz frequency range, Micro-machined Sensors, Ferroelectric Thin Films, Laser – Matter Interactions for material processing, Nano Electronics and Condensed Matter Physics.

M. Ghanashyam Krishna Ph.D. (I.I.Sc.) Nanostructured Materials, Thin Films, Sensors and Devices

Samrat L. Sabat Ph.D. (Berhampur) **(Head)** Digital Signal Processing, Cognitive radio network, VLSI Signal Processing

S. V. S. Nageswara Rao Ph.D. (UoH, Hyderabad) Electronic Materials and Devices: Fabrication, Ion beam studies, Radiation damage and Reliability studies.

Assistant Professors

Vijaya Sankara Rao Pasupureddi Ph.D. (IIT Kharagpur) Analog, RF and Mixed-Signal Integrated Circuits and Microsystems.

Pratap Kollu Ph.D. (Chungnam National University, South Korea) Materials for Magnetic and Bio-sensors, energy storage, Lab-on-Chip Biosensors.

Advanced Centre of Research in High Energy Materials (ACRHEM)

ACRHEM-Advanced Centre of Research in High Energy Materials, a DRDO centre of excellence, came into existence with a memorandum of Collaboration (MOC) signed between Defence Research and Development Organisation (DRDO) and University of Hyderabad (UoH) in Mar 2005. The major objective of the centre is to develop new novel high energy materials (HEMs) for explosives and propellant application and development of explosive detection techniques using ultrafast spectroscopy (UFS). Owing to the objectives of the ACRHEM, the research at the centre is interdisciplinary in nature, wherein to develop deeper insights into the design of new energetic materials based on quantum chemistry principles, synthesis and development of new HEMs, development of energetic binders, oxidizers, nanomaterials and nanothermites, LASER based technologies for detection and discrimination of HEMS, LASER - mater interactions and theoretical studies on solid state properties of HEMs.

The chemistry research facilities are supported by four state of the art wet chemistry laboratories to deal with HEMs. The wet laboratories are developed with the inputs from HEMRL (Pune) and VSSC (Trivandrum), the two leading laboratories working in the area of HEMs for long time. About 30 chemistry researchers are working full time for the centre. The centre has in-house facilities for characterization of intermediates and final products of chemical reactions and also to evaluate the sensitivity of newly developed HEMs. The characterization facilities include Liquid chromatograph coupled high resolution mass spectrometer (LC-HRMS), FTIR, UTM, Fluorimeter, DMA, TG-DTA, DSC, UV-Vis-NIR spectrophotometer, Combustion Calorimeter, Pycnometer, Viscometer, etc., and being augmented with solid state NMR, single crystal XRD, CHNS/O analyser etc.

ACRHEM also aims for high-quality teaching with student-faculty ratio highly favourable for individual attention. The centre has various ongoing research programs both in experimental and theoretical fields to train Ph.D. scholars in fundamental as well as applied areas of Physics and Chemistry processes involved with High Energy Materials. The following broad areas of research are being pursued at ACRHEM: Design of novel HEMs; Synthesis of novel HEMs; Synthesis of green oxidizers; Synthesis of Energetic binders and plasticizers; Synthesis of nanomaterials and development of nanostructures; Development of nanothermites; Computational modeling of chemical kinetics of HEMs; Computational Physics,; THz generation/characterization and spectroscopy, Surface Plasmon characterization and applications; Laser induced shock wave generation and characterization; Numerical simulations of laser induced shock waves; Time and spatially resolved spectral analysis under extreme conditions; Development of instruments and technology to observe, measure, by ultrafast measurement techniques the processes involved in the HEM applications; Detection of HEMs using LIBS, THz, Raman, CARS, SERS, Photoacoustic techniques; Polymer Sciences involving HEMs; Density functional study of HEMs involving electronic structure and mechanical property calculations; Modeling the physics of the release of energy by HEMs; Material Sciences of HEM; More details can be found at www.acrhem.org. The University website may also be referred to further details.

Infrastructural facilities:

Besides the facilities available in different Schools and Centres of the University, ACRHEM brings the following additional infrastructure to the University pool:

1. Ti: sapphire femtosecond oscillator [MICRA, Coherent] and femtosecond/picosecond amplifiers (~4.0 mJ) [LIBRA, Coherent] with OPA [TOPAS/DFG, Light Conversion, tunable from 250 nm to 11 μm]
2. High-power Nd:YAG nanosecond laser system with fundamental (Innolas, 1.3 J & TITAN5, 7 J),

second, third and fourth harmonics; Dye laser system (Radiant Dyes) pumped by Nd:YAG laser along with frequency mixing option tunable in the range of 300 nm to 3.0 μm

3. High-power picosecond Nd:YAG laser system (EKSPLA, 110 mJ at 1064 nm) with second, third, fourth and fifth harmonics.
4. Dynamic vibration isolation optical tables (Newport SmartTable™); Low power and High power He-Ne lasers.
5. Diode lasers (high power and tunable), Three-dimensional nanopositioners, Power/Energy meters, Delay, stages, and controllers.
6. Boxcar Integrator, Single Shot Autocorrelator, Fast photodiodes, high-power ns/ps/fs optics.
7. Fully fledged synthetic chemistry labs including equipment such as Dynamical Mechanical Analyzer, Bomb Calorimeter, Fume Hoods, FTIR, Fluorimeter, DSC, TG-DTA, BAM (impact and friction sensitivity tester), Rheometer, etc.
8. Hand-held Spectrometers, Fast oscilloscopes, CCD/Vidicon cameras, mid-IR detectors, Single photon detector, etc.
9. Mercury Cadmium Telluride Detector (up to 26 μm), IR Viewer, Laser Beam Profiler.
10. Intensified CCD's integrated with Michelle spectrograph.
11. Tunable Ti:sapphire oscillator (Chameleon, ~140 fs pulse duration) and pulse shaper (Silhouette, Coherent)
12. Tunable diode laser in the telecommunications spectral range; Waveguide/Fiber Optic stages for critical alignment.
13. 4 mJ, 40 fs amplifier (LIBRA, Coherent) + optical parametric amplifier + transient absorption spectrometer (HELIOS)
14. Four wet chemistry laboratories
15. Liquid chromatograph coupled high resolution mass spectrometer (LC-HRMS)
16. Fourier transform infrared spectrometer (FTIR) with ATR and gas cell
17. Universal testing machine (UTM)
18. Fluorimeter
19. Dynamic mechanical analyser (DMA)
20. Thermogravimetric analyser (TG-DTA) coupled to FTIR
21. Differential Scanning calorimeter (DSC)
22. UV-Vis-NIR spectrophotometer
23. BAM - Impact Sensitivity Tester
24. BAM - Friction Sensitivity Tester
25. Combustion Calorimeter
26. Pycnometer & Viscometer
27. **Solid state NMR (In process)**
28. **Single crystal XRD (In process)**
29. CHNS/O analyser (In process)
30. Optical Spectrum Analyzer; Low-temperature optical cryostat.
31. Vacuum chambers, Rotary vacuum pumps, Spin Coaters, Material characterization facilities.
32. Electron beam gun, RF Sputtering, Thin film fabrication facility, etc.
33. R.F. spectrum analyzer with antennas (1 MHz – 330 GHz)
34. Crystallization of ferroelectric thin films at lower temperatures by irradiating amorphous thin films with pulsed excimer laser energy.

Computer & Library Facilities:

The centre also possess EXPLO5 ver. 6.03 Thermokinetic Code for Explosive/Combustion Property Calculations. Access to the University's CMSD / HPCF computer facility is additionally available for simulation work.

The centre has a highly specialized library which houses book on synthesis of HEMs, evaluation of HEMs, process involved in explosion and combustion, Propellants and combustion phenomena, development of energetic binders, plasticizers, nanomaterials and nanothermites, computational

physics, THz generation/characterization and spectroscopy, LASER induced shock wave generation and characterization, time and spatially resolved spectral analysis under extreme conditions, detection of HEMs using LIBS, THz, Raman techniques, and in addition access is available to a large number of books and journals through the University library.

Director

Dr. K. Venkateswara Rao, Ph.D. (IIT Kharagpur) – Chemistry

Faculty

Prof. S. Venugopal Rao, Ph.D. (Hyderabad) – Ultrafast Laser Spectroscopy, Ultrafast Ablation, Femtosecond Laser Induced Breakdown Spectroscopy, Laser Direct Writing, Surface Enhanced Raman Spectroscopy, Ultrafast Nonlinear Optics, Coherent Anti-Stokes Raman Spectroscopy,. **(Experiment)**

Prof. A.K. Chaudhary, Ph.D. (Burdwan) - Laser Spectroscopy and Nonlinear Optics. **(Experiment)**

Dr. P. Prem Kiran, Ph.D. (Hyderabad) **-** Laser - matter interaction, Spatio-temporal evolution of laser-induced shock waves; Propagation of Ultrashort, intense femtosecond pulses in transparent media; Nonlinear Optics. **(Experiment and numerical simulations)**

Dr. G. Manoj Kumar, Ph.D. (Hyderabad) **-** Laser induced breakdown spectroscopy, Raman spectroscopy, Design and development of experimental methods for detection of hazardous materials,Mutivariate statistical analysis of spectroscopy data.**(Experiment)**

Dr. G.S. Vaitheeswaran, Ph. D. (Anna University) Solid state theory, Material Science, Magnetism, Superconductivity, High-Pressure Studies, elastic and mechanical properties investigated using first-principles density functional calculations (DFT). **(Theory)**

Dr. Anuj A. Vargeese, Ph. D. (University of Pune) Propellants, Green oxidizers- synthesis and applications, Nano Catalysts – synthesis and applications, Kinetics and Catalysis. **(Experiment)**

Associate Faculty

School of Chemistry:

Prof. M. Durga Prasad, Ph.D. (Calcutta) Theoretical Chemistry: Quantum Dynamics and Many-Body Theories **(Theory)**

Prof. Tushar Jana, Ph.D. (Jadavpur) Polymer and Materials Science **(Experiment)**

Prof. P.K. Panda, Ph.D. (IISc., Bangalore) Synthesis and Exploration of chemical, biological and material aspects of porphyrinoids **(Experiment)**

Prof. A.K. Sahoo, Ph.D. (NCL, Pune) Organic synthesis and Organometallic chemistry. **(Experiment)**

Prof. K. Muralidharan, Ph.D. (IIT, Kanpur) Synthetic main group chemistry and polymers, Nano synthesis **(Experiment)**

School of Physics:

Dr. A. Vudayagiri, Ph.D. (Hyderabad) Quantum Optics, Laser Cooling **(Experiment).**

Centre for Earth, Ocean & Atmospheric Sciences (CEOAS)

Centre for Earth, Ocean and Atmospheric Sciences was established (formerly UCESS) at the University of Hyderabad (UoH) in February 2005 to initiate multi-disciplinary research and teaching programs in the areas of Solid Earth, Ocean and Atmospheric Sciences and processes that connect all three components. The vision of the CEOAS is to achieve an internationally recognized hub of excellence in Earth Science research and education. The main goal of the Centre is to address thematic issues of national interest and global relevance with particular focus on advancement in understanding of Earth processes, resource exploration for future generations, natural hazards, extreme events in the context of global environmental and climate change. The subject of Earth Science pursued at this Centre cover dynamics and evolution of the Solid Earth, its natural resources, soils and water systems, environment, its oceans and atmosphere, and its global biodiversity. The Centre's mission is to conduct innovative fundamental and applied research in Earth Sciences in order to open up new understandings of the Solid Earth, Oceans and Atmosphere, Hydrosphere and Biosphere, and the processes that connect them. Further, we aim to educate students who will become leading researchers in professional organizations, government departments and industries, and also pioneers in the advancement of Earth Sciences knowledge in academia. We also teach foundation course (Earth and its Interacting Components)that reach hundreds of students of non-geoscience majors every year thereby promoting a broader understanding of processes and critical issues linking the Solid-Earth, Oceans, Atmosphere, hydrosphere and biosphere. Most importantly, the man power trained at the Centre would have the competence to develop new cutting-edge technologies.

The UGC has recognized the Centre and granted faculty and research grants through their Innovative Research Program. The Centre is progressing in the development of infrastructure with the funding from DST-PURSE, MoES, DST and DST-FIST funded programs/projects.

Programs of Study

Academic Programs:
The Centre offers M.Sc. (2-year) in Ocean & Atmospheric Sciences and   Ph.D. Programme in Earth, Ocean & Atmospheric Sciences.

M.Sc in Ocean and Atmospheric Sciences

This is a four semester programme open to candidates with a Bachelor's degree in any branch of science, who have studied mathematics and physics as compulsory subjects at the B.Sc level, or B.Tech. degree in civil/mechanical/electrical branches. The admission is for both sponsored and non-sponsored candidates. Selection of candidates for admission will be based on their academic qualifications, written test marksand personal interviews. Therefore, eligible and interested candidates are encouraged to apply.

Total number of seats/intake is 10+5[*]. [*]5 positions are sponsored
Research programs:

Ph.D. in Earth, Ocean & Atmospheric Sciences

The Centre offers a Ph.D. programme in Earth, Ocean and Atmospheric Sciences, remote sensing, environmental sciences, water resources and closely related areas of other branches of science.

Number of seats: 04.

The following two major focused themes are identified for multidisciplinary research:

1. **Solid Earth:**

   Structure, dynamics and evolution of Indian continental lithosphere through time; Archean magmatism, continental growth and tectonics; Geophysical exploration of mineral resources, geophysical alogorithms hydrology, climate records, and natural hazards; Dynamics of oceanic lithosphere: Marine Geophysics, Tectonics, Plate Tectonics, Surface dynamics;High Resolution near Surface Geophysics/ hydrology/ tectonics and climate; Evolution of life through time

2. **Oceans and Atmosphere**:

   Seamless dynamical climate prediction, and applications; past (Holocene) and future climate change simulations; tropical climate variability, air-sea-land interactions, and scale interaction; dynamical localized extreme event prediction; Observational atmospheric physics; aerosol-cloud-monsoon interactions; monitoring and modelling of the ocean circulation patterns and its effect on marine life; North Indian Ocean physics and dynamics.

Laboratory and Computer Facilities

All the students would be utilizing well developed state-of-the art facilities of the University of Hyderabad, National Geophysical Research Institute and Atomic Minerals Directorate for Exploration and Research, National Remote Sensing Centre, Indian National Centre for Ocean Information Services.

Advanced polarizing microscopes, equipments for high purity crushing and mineral separation. Advanced analytical equipment like Quadrupole ICP-MS with Micro-oven digestion system for trace element analysis.

A Mobile Geophysical Laboratory, equipped with CG-5 Gravimeter, Electrical Resistivity meter, ABEM Terrameter, Proton Precession Magnetometer, Magnetic Susceptibility meter, T-VLF (IRIS), GPS, etc., is available for field training and for conducting detailed geophysical, geological and environmental related investigations. Use of state-of-the-art High-Performance Computing facility with supporting software such as ISATIS, MATHEMATICA, MATLAB, ArcGIS, Geosoft, ERDAS etc., at the Centre for Earth & Space Sciences, and High Power Computing Facility at the Centre for Modeling, Simulation and Design (CMSD) of the University of Hyderabad.

Oceanographic Cruise

Students of M.Sc. in Ocean & Atmospheric Sciences would be undergoing offshore cruise programme of 2-3 weeks duration with an emphasis on ocean and atmospheric data acquisition, marine instrumentation, etc., under the supervision of experts from NIOT, NCAOR, INCOIS, NIO and/or University of Hyderabad, etc. The enrolled students will have to abide costs towards oceanographic cruise including travel, accommodation, food, medical examination, etc. All students must also have their passports by end of first semester to take part in oceanographic cruise.

Activities of the Centre

The activities of the Centre are integrated with the socio-economic development of the region, with need-based inter-disciplinary programs, which benefit both the students and the society.

Research Projects

The Centre currently executes research projects in Solid Earth including origin of continents, rift initiation and evolution, lithospheric dynamics, resource exploration, crust-mantle evolution, water resources management, geophysical applications in crustal structure and environmental sciences, modelling and inversion techniques, ocean processes, ocean models and climate forecasts,

paleoceanography and paleoclimate, Solid Earth dynamics, (funded by CEFIPRA, UPE, DST, UGC, MoES, ISRO, NRB, PURSE grant, etc.).

Out-reach Programs

The Centre organizes outreach programs in management of water resources, Geosciences for sustainable development in the context of global environment and climate change, reclamation and utilization of badlands, environmental management, etc. Geoscience education, Popularization of Earth Sciences among school children and the general public.

Workshops/Training Programmes: The Centre organizes workshops/training programs in Earth, Ocean and Atmospheric Sciences and highly focused short-term refresher courses on enabling cadres to update their knowledge and skills and improve their employment opportunities. Most importantly, the programs are designed to enhance competence to develop new-cutting edge technologies.

Entrance Examination:

Ph.D. in Earth, Ocean &Atmospheric Sciences

The Entrance examination for the above programme consists of two sections, PART A and PART B. PART A contains 25 Multiple Choice Questions (MCQ), and PART B contains 50 MCQ. The questions will be covered from the following areas: Geology, Geophysics, Atmosphere and Ocean Sciences (M.Sc., level, PART B); and Physics, Chemistry, and Mathematics (B. Sc level, PART A).

M.Sc. in Ocean & Atmospheric Sciences

The Entrance examination consists of Multiple Choice Questions (MCQ) in sections PART A and PART B. PART A consists of 25 Multiple Choice Questions (MCQ) and PART B contains 75 MCQ. The questions cover the following areas: Physics, Chemistry, Mathematics and Statistics (B.Sc. level). Selection of candidates for admission will be based on their academic qualifications and written test marks.

Faculty

The Centre has accomplished faculty with several prestigious awards like Padma Shri, Shanti Swarup Bhatnagar, JSPS Fellowship, J.C.Bose National Fellowship, National Science Academy Fellowships, National Mineral Award, National Geoscience Award, ISRO Performance Excellence Award, etc.

Dr.M. Jayananda, Professor – Solid earth geochemistry including radiogenic isotopes/geochronology and early earth dynamics.
Dr.K. S. Krishna, Professor– Marine geophysics, lithospheric dynamics, Tectonics and Plate Tectonics.
Dr.K. Ashok, Professor–Tropical indo-pacific climate variability prediction and change, Earth System Science.
Dr.V. Chakravarthi, Associate Professor– Exploration Geophysics
Dr.S. Sri Lakshmi, Assistant Professor–Geophysics (Seismics and modelling).
Dr.Vijay P. Kanawade, UGC-FRP Assistant Professor – Atmospheric Sciences.
Dr.Devleena Tiwari, UGC-FRP Assistant Professor – Biogeochemistry.

Other faculty
DST Inspire Faculty
Dr.Mohammad Ismaiel,– Marine Geophysics, Mathematical Simulations and Modelling
Dr. Homi J Bhabha Chair Professor
Dr.V. P. Dimri, – Fractals, Inverse theory

Honorary Professor
Dr. A. C. Narayana,–Geomorphology, Paleoclimatology and Remote Sensing
K.L. Rao Chair Professor
Dr.N. H. Rao,– Hydrology and water resources
NASI Platinum Jubilee Fellow
Dr. P. S. Roy,– Geospatial technology/ecology

Associate Faculty
Prof. V.S.S.Sastry, UoH
Dr. Maqbool Ahmed, UoH

Visiting Fellows
Prof. G.V.R. Prasad, University of Delhi
Prof. B.C. Prabhakar, Bangalore University
Prof. M. Sethumadhav, University of Mysore
Prof. D.K. Pandey, University of Rajasthan, Jaipur
Dr. Yamuna Singh, formerly AMD, Hyderabad
Dr. T.R.K. Chetty (Retd.), CSIR-NGRI, Hyderabad
Prof. Nittala Sarma, formerly at Andhra University, Visakhapatnam
Prof. Santosh Kumar, Kumaon University
Dr. C. Gnanaseelan, IITM, Pune
Dr. Y.V. Ramarao, (Retd.), Chief Scientist, IMD, Hyderabad
Mr. K. Hanumantrao, NRSC, Hyderabad
Prof. J. Ratnakar (Retd.), OU, Hyderabad

School of Chemistry

School of Chemistry is a dynamic centre for research at the frontiers of chemical sciences. The emphasis at the curricular level is to give a broad coverage of all branches of chemistry in keeping with the interdisciplinary nature of the subject today. The School has established itself as one of the leading centres in the country for education and research in chemical sciences. It offers fundamental and advanced courses covering the wide gamut of topics in chemistry and closely related areas, and comprehensive research training to nurture future scientists, teachers, and technical professionals in the field. The high quality advanced research pursued by the faculty members of the School supplement and complement the teaching and training of undergraduate, post-graduate and Ph.D. students and postdoctoral researchers.

The School has made notable impact on the chemical research scene and is widely acclaimed at the national and international levels. It receives support from a large number of research grants from funding agencies like the Department of Science and Technology (DST) and the Council for Scientific and Industrial Research (CSIR), New Delhi, international collaborative projects and industrial projects. The School has been identified by the DST for support under the new **FIST** programme at **Level II**. The University Grants Commission (UGC), New Delhi has selected the School of Chemistry as a **Centre for Advanced Studies** (**Phase III**) under the Special Assistance Programme. A **Networking Resource Center** established in the School through dedicated funding from the UGC, operates various outreach programs to promote chemical education and research at the undergraduate and postgraduate level in colleges and Universities across the nation; this is the only such Center in Chemistry in the country.

Members of the School faculty have won recognition in the form of prestigious awards and fellowships of various academic bodies both within and outside the country. Our masters students do well in national level competitive examinations and several of them go on to pursue a research career. Many of our alumni occupy important positions in the academia and industry in India as well as abroad.

Further information and details of the program can be obtained from the School website: http://chemistry.uohyd.ac.in

Prof. T. P. Radhakrishnan is the **Dean** of the School**.**

Programmes of Study
The School admits students to the M.Sc. and Ph.D. Programmes
The M.Sc. programme lasting four semesters comprises 2 foundation courses, 3 courses each in Organic, Inorganic, Physical and Theoretical Chemistry, 2 laboratory courses each in Organic, Inorganic and Physical Chemistry and elective courses. The syllabus lays emphasis on current developments in chemical science. Some of the unique features of the programme are special courses in Instrumentation and Computer Applications, Symmetry and Mathematics, Materials Chemistry, Biological Chemistry and also project work and seminar by each student in the semester-IV. **The School also participates in the five year Integrated M.Sc. programme run by the College for Integrated Studies (CIS).** The first two years of the programme are common to all science students in which they get a thorough exposure to all branches of sciences. The students move to the School from the third year. The entrance examination for this programme is conducted by the CIS.
The Ph.D. programme is entirely research-oriented in which a student undertakes research under the guidance of a faculty of the School in an area chosen by the student and approved by the School. Areas where research is being undertaken presently are listed in the School website. Students admitted to the Ph.D. programme carry out course work suited to their academic background and tailored to the demands of their research.

Entrance Examination
Admission to the M.Sc. programme is based on the performance of the candidate in the written test. The written test consists of objective type questions. Candidates are expected to have a sound knowledge of **B.Sc.** level general chemistry and basic mathematics. The question paper consists of two parts: Part A carries 25 marks and Part B carries 75 marks. The paper consists of multiple choice questions and carries negative mark for wrong answers.
Admission to the Ph.D. programme is based on a qualifying written test, followed by interview. The question paper for the written test consists of two parts: Part A (40 marks) and Part B (40 marks). Part A carries 20 questions on research methodology. Part B contains 60 questions (20 each from Organic, Inorganic and Physical Chemistry) at the M.Sc. level, and the candidate is required to answer any 20 questions. All questions are of the multiple choice type. Final selection of the candidates is based on their interview performance. The Ph.D. admission interview grading (total 25 marks) will be divided as follows: **13 marks for the interview + 12 marks towards the written exam component** (duly weighted based on the percentage of marks obtained by the candidate in the written examination). Students who have qualified in the national level UGC-CSIR examination with a **Junior Research Fellowship (JRF) can take exemption** from writing the entrance examination, in which case they will be allotted **9 marks towards the written examination component**. However, if the JRF holders write the entrance examination and if their weighted mark (out of 12) is more than 9, the higher mark will be considered.
Admission to the Ph.D. program and assignment of supervisor for the selected Ph. D. students is done concurrently through a counselling session.
Details of the entrance examination procedure can be found at the University website. Model question papers for entrance examinations can be found at the IGM Library website of the University.

Infrastructure Facilities

The School is well equipped with a wide range of sophisticated analytical equipment. A list of equipment is given below.

Magnetic Resonance Spectrometers [Nuclear Magnetic Resonance (NMR) Spectrometer (400 MHz) – 2, Nuclear Magnetic Resonance (NMR) Spectrometer (500 MHz) – 2, Electron Paramagnetic Resonance (EPR) Spectrometer]; **X-ray Diffractometers** [Single Crystal X-ray Diffractometer – 2, Single Crystal X-ray Diffractometer (Microfocus source), Powder X-ray Diffractometer (PXRD), Small and Wide Angle X-ray Scattering (SWAXS) Diffractometer]; **Microscopes** [Field Emission Scanning Electron Microscope (FESEM), Confocal Raman Microscope with AFM, Atomic Force Microscope (AFM) – 2, Fluorescence-Lifetime Imaging Microscope (FLIM)]; **Mass Spectrometers** [High-Resolution Mass Spectrometer (HRMS), Liquid Chromatography–Mass Spectrometer (LC-MS), Gas Chromatography–Mass Spectrometer (GC-MS)]; **Thermal Characterization** [Thermogravimetric Analyzer – Mass Spectrometer (TGA-MS) – 2, Differential Scanning Calorimeter (DSC) – 2, Differential Scanning Calorimeter (DSC) for liquid samples – 2, Isothermal Titration Calorimeter (ITC)]; **Spectroscopy** [UV – VIS Spectrophotometer – 2, Fluorimeter – 2, Circular Dichroism (CD) Spectrometer, Fourier-Transform Infrared (FTIR) Spectrometer, Femtosecond Fluorescence Up-conversion and pump-probe Set up, Nanosecond Laser Flash Photolysis System]; **Chromatography** [High Performance Liquid Chromatography (HPLC) System, Gas Chromatography (GC) System]; **Electrochemistry** [Impedance Analyzer, Solar Simulator, Electrochemical Workstation – 2]; **Other** [Elemental (CHNS) Analyzer, Spin Coater, Glove Box, Dynamic Vapour Sorption Analyzer, Dynamic Light Scattering System, Polarimeter, Hydrogenation Apparatus and Ozoniser, Freeze Dryer, BET Analyzer, Photochemical Reactor, Microwave Reactor.

Faculty

Professors
M. Durga Prasad, Ph.D. (Calcutta) F.A.Sc. – Quantum Chemistry, Many Body Theories and Computational Chemistry
T. P. Radhakrishnan, Ph.D. (Princeton) F.A.Sc., F.N.A.Sc., F.N.A. - Materials Chemistry **(Dean of the School)**
Ashwini Nangia, Ph.D. (Yale) F.A.Sc., F.N.A.Sc., F.N.A. – Supramolecular Chemistry, Crystal Engineering, Pharmaceutical Solids (On EOL to NCL, Pune, as Director)
K.C. Kumara Swamy, Ph.D. (IISc, Bangalore) F.A.Sc., F.N.A. - Catalytic Organic Transformations, Organophosphorus Chemistry, Synthetic chemistry (Organic/ Inorganic)
Anunay Samanta, Ph.D. (Jadavpur) - F.A.Sc., F.N.A.Sc., F.N.A. - Photo-induced processes in molecules, materials and biological systems, ultrafast and single-molecule spectroscopy, Photophysical Processes in Biological Systems, Ultrafast Charge Carrier Dynamics in Perovskite And Related Materials
Samudranil Pal, Ph.D. (Jadavpur) – Coordination and Organometallic Chemistry
Musti J. Swamy, Ph.D. (IISc, Bangalore) F.A.Sc., F.N.A.Sc. - Biophysical chemistry of membranes and proteins, glycobiology
Samar Kumar Das, Ph.D. (IIT, Kanpur) F.A.Sc. - Functional Inorganic Materials
K. Lalitha Guru Prasad, Ph.D. (Osmania) - Protein structure and function; protein biophysical studies, Computational aspects of protein structure and function
Abani K. Bhuyan, Ph.D. (Univ. of Pennsylvania) - NMR Spectroscopy, Physics and Biology of Biological Molecules
Susanta Mahapatra, Ph.D. (IIT, Kanpur) F.A.Sc., F.N.A.Sc. - Theoretical Chemical Dynamics, Non-adiabatic Chemistry
D. B. Ramachary, Ph.D. (IISc, Bangalore) - Synthetic Organic Chemistry, Engineering Asymmetric Organocatalysis, Theoretical Aspects of Organocatalysis and Engineering Multi-Catalysis Cascade (MCC) reactions

Tushar Jana, Ph.D. (Jadavpur) - Polymer Chemistry and Materials Science

R. Nagarajan, Ph.D. (Madras) - Heterocyclic chemistry and natural products synthesis

Pradeepta Kumar Panda, Ph.D. (IISc, Bangalore) - Bioinorganic, Bioorganic & Supramolecular Chemistry of Porphyrinoids, Porphyrinoids based Materials for Solar Cell & Near Infrared Diagnostics

R. Balamurugan, Ph.D. (IIT, Kanpur) - Development of organic compounds for material applications, Synthetic organic chemistry - transition metal and Brønsted acid catalysis, synthetic methodologies and strategies

R. Chandrasekar, Ph.D. (Max-Planck) - Nano-Photonic Organic Materials and Devices, Single-Particle Microscopy/Spectroscopy

Akhila Kumar Sahoo, Ph.D. (NCL, Pune) - C-H Activation, Ynamides, Energy Materials, Organometallics

K. Muralidharan, Ph.D. (IIT, Kanpur) – Nanomaterials, Polymers, Catalysis, High-energy Materials

Viswanathan Baskar, Ph.D. (IIT, Kanpur) – Molecular Clusters & Magnetism

Associate Professors

Perali Ramu Sridhar, Ph.D. (IISc., Bangalore) - Synthetic Organic Chemistry, Total Synthesis of Natural Products and Carbohydrate Therapeutics, Glyco-Biology, Peptide Based Drugs and Synthesis of Carbohydrate Based Vaccines

M. Sathiyendiran, Ph. D. (IIT, Bombay) - Organometallic Chemistry

Assistant Professors

Debashis Barik, Ph.D. (IACS, Jadavpur University) - Statistical Mechanics of Reaction Networks, Computational Systems Biology

Jovan Jose K V, Ph.D. (Pune University) - Developing Methods for Theoretical Molecular Spectroscopy, Theoretical Organic Reaction Mechanisms, Ab Initio Crystal Structure Prediction, Theoretical Studies on Transition Metal Oxides and Sulphides, Folding Pathways Proteins and Computer Aided Drug Designing

Murali Banavoth, Ph.D. (IISc, Bangalore) - Solar Energy Materials and Solar Cells; Functional Materials for Nanoscience and Nanotechnology, Ultrafast Spectroscopy and Photophysics for Donor/Acceptor Interfaces in Solar Energy Materials

Manju Sharma, Ph.D. (IISc, Bangalore) - Computational Modeling of Materials and Molecules, Polymorph Prediction, Force Field Development, Heterogeneous Nucleation in Solution, Diffusion and Energetics under Nanoconfinement, Organic Reaction Mechanisms, Modeling Biocompatible Nanomaterials for Water Treatment, Methane Capture and Carbon Dioxide Sequestration, Conformations of Transition Metal Complexes in Solution, Enhanced Nucleation of Pharmaceutically Relevant Organic Molecules on Biocompatible Materials

Srinivasarao Yaragorla, Ph.D. (IICT, Hyderabad) - Synthetic Organic and Medicinal Chemistry, Sustainable Catalysis, Privileged Molecules, Total Synthesis

Retired and Re-employed

D. Basavaiah, **P**h.D. (BHU) F.A.Sc., F.N.A. – Organic Chemistry: The Baylis Hillman Chemistry, Chiral Catalysis **(Re-employed)**

Distinguished Professor:

Goverdhan Mehta, Ph.D. (Poona University). FRS – Synthetic Organic Chemistry, **(University Distinguished Professor &** Dr. Kallam Anji Reddy Chair**)**

Emeritus Professors:

Kalidas Sen, Ph.D. (IIT, Kanpur), F.A.Sc., F.N.A. – Density Functional Theory, Confined Electronic Systems

M. Periasamy, Ph.D. (IISc, Bangalore), F.A.Sc., F.N.A. – Organic Materials for Harvesting Solar and Stored Solar Energy

M.V. Rajasekharan, Ph.D. (IIT, Madras) – Coordination Networks, Polyiodides, Magnetic Exchange

SCHOOL OF LIFE SCIENCES

The School of Life Sciences has been established with an emphasis on interdisciplinary teaching and research leading to M.Sc. and Ph.D. Degrees in modern biology, biotechnology, bioinformatics and systems biology.

The School consists of four Departments:

1) Department of Biochemistry
2) Department of Plant Sciences
3) Department of Animal Biology
4) Department of Biotechnology and Bioinformatics

In addition to the four departments, the School has established the following centre offering **M.Sc. (5 year integrated) in Systems Biology for which admission can be sought after 12th class/Intermediate.**

The details related to the eligibility for admission and mode of selection of the candidates for various academic programmes that includes the two- yr M.Sc and doctoral programs offered in different disciplines, faculty, and their research specializations in the various departments can be seen as mentioned in their respective web pages maintained by the University of Hyderabad or as mentioned above.

The **School of Life Sciences** is committed towards achieving academic excellence in teaching and research in basic and applied areas. It is one of the most vibrant schools with a lot of academic and educational activities all through the year. The new centrally air conditioned building of School of Life Sciences, occupied in March 2013, is designed for housing a total number of 65 research laboratories, class-rooms, teaching laboratories, central instrumentation facilities, cell and microbial culture facilities, seminar halls and auditorium. Most of our faculty are well trained in some of the leading national and international laboratories before joining the University of Hyderabad and won several national and international recognitions. A healthy competitive atmosphere among the academic programs and the faculty resulted in excellence in teaching and research. The faculty are engaged in research and consultancy activities in cutting edge areas of modern biology and biotechnology to answer some of the most challenging questions in biological systems and improve the well-being of humankind, with support from national and international funding agencies as well as biotech/ pharmaceutical industries. Recently, 'Bio-incubator Nurturing Entrepreneurship for Scaling Technologies' (BioNEST) facility was established by the University of Hyderabad on the third floor of the School of Life Sciences with the support from BIRAC of Department of Biotechnology for providing incubation facilities for innovative ideas of faculty and scholars where many of the faculty from the School of Life Sciences are actively involved.

The **infrastructural facilities** of the School have been established with the plan funds of the University Grants Commission (UGC), Department of Biotechnology (DBT), Department of Science and Technology (DST), New-Delhi as well as extra-mural funding attracted by the faculty of the School of Life Sciences. The University Grants Commission upgraded Phase III of UGC-Special Assistance, DSA programme (period 2002-2007) and sanctioned the status of Centre for Advanced Studies (UGC-SAP-CAS-I) in School of Life Sciences for a period of five years (2008-2013). Now each of the Departments are supported by UGC-SAP-DRS1. School also received grants from UGC under University Potential For excellence (UPE Phas1 and II) and from DST, New-Delhi under FIST (Funds for Improvement Science and Technology Infra Structure) program.

The facilities include seven state of the art teaching laboratories and centralised high end facilities such as Real-time PCR machine Microarray spotter/analyzer and hybridization oven, Next generation sequencing system, Bioruptor, Cross linker, Electroporator, Luminometer, Nano-drop machine, HPLC,

FPLC and AKTA PILOT, CD Spectrophotometer, Fluorescence spectrophotometer, Surface Plasmon Resonance, Radioactivity facility, Microarray spotter/analyzer and hybridization oven,Proteomics-MALDI/MS-MS/TOF-Q,Chemidoc-imaging system, Robotic Crystallization System LC-MS and GC-MS for Metabolomic Research; Confocal/Fluorescence Microscope, Super Resolution Microscope, Flow cytometry, Microtome/Ultramicrotome (Tissue sectioning), In vivo imaging for whole cell and animal imaging, Green house facility and Bio-safety Level three facility (BSL3). In addition, the School has access for infrastructural facilities set up at Nanotechnology Center, Centralised Instrumentation Laboratory (CIL) and Center for Modelling, Simulation and Design (CMSD), located within the campus which carry facilities such as Transmission Electron Microscope (TEM), Atomic Force Microscope (AFM) and high end computational facilities.

Several distinguished faculty and scientists have visited the School and lectured at the School of Life Sciences independently or in connection with a seminar/ conference and or under GIAN (Global Initiative on Academic Network) program that is supported by the Ministry of Human Resource and Development (MHRD). This year, Prof Erwin Neher, Nobel laureate in Physiology in Medicine for the year 1991, from Max Planck Institute, Gottingen Germany; Professor Bruce Michael Alberts, the past President of US National Academy of Sciences and Editor in Chief of Science Journal, and Prof. Martin Chalfie, from Columbia University who shared the 2008 Nobel prize in Chemistry, visited the School and delivered lectures. The school conducted several conferences during the year that include International Conference on Reproductive Biology and Comparative Endocrinology; European Union Sponsored Nano3Bio Final Dissemination meeting; International Conference on Biotechnological Aspects of Chitosan and Chitooligosaccharides & 6th Indian Chitin and Chitosan Society Symposium; 8th International Conference on"Photosynthesis and Hydrogen Energy Research for Sustainability – 2017 Science Communication Workshop by The Wellcome Trust/DBT Alliance, "International Conference on Innovations in Pharma and Biopharma Industry : Challenges and Opportunities for Academy and Industry (ICIPBI-2017), Work Shop on Data Science, Bioquest , a conference organized by the students and faculty of the School of Life Sciences etc.,

Many of our School faculty competed to obtain funding from the Ministry of Human Resource and Development under GIAN program and conducted the following courses and workshops on Protein Structure and Drug Discovery; Glycobiology: Role in Biology and Biomedical Relevance; Lipid Signaling in Health and Disease in Plants and Animals, Basics and Therapeutic Applications of Pluripotent Stem Cells Cancer Drug Discovery and Development; Immunologicals in Animal and Human Health;Transgenic Technology, Stem Cells and Regenerative Medicine, Ion Channels and Human Diseases by foreign experts coming from US, UK and Germany for a duration of 2-3 weeks to the benefit of our MSc students, research scholars and to people working in the Industry. Recently the School of Life Sciences has signed MoU with Academia Scinica, Taiwan for sandwich Ph.D program in the frontier areas of biology and Cornell University for bilateral collaborations in research and development in Biology and Biotechnology.

Prof. K.V.A. Ramaiah, Dept of Biochemistry is the **Dean of the School**.

School of Life Sciences (https://www.uohyd.ac.in/index.php/academics/2011-10-27-18-38-04/school-of-life-sciences) and also at (www.slsuoh.org)

Department of Biochemistry

Funded by DST-FIST and UGC-SAP-DRS programs the Department of Biochemistry is renowned for its teaching programs and research activities. The department offers M.Sc., PhD, and Integrated M.Sc.-PhD programs. The primary aim of these academic programs is to train the students how to ask real scientific questions in addition to guiding them to find a solution A plethora of research programs in various fields of modern biology make the department a hub of basic fundamental research and an emerging epicentre for translation research. The research activities in the Department of Biochemistry revolve around six broad areas: (i) genome maintenance, organization and expression; (ii) protein synthesis, homeostasis, structure-function correlation and engineering; (iii) organelle biogenesis and trafficking of macromolecules; (iv) intra-cellular communication, cancer biology and stem cell development; (v) infectious diseases and host-pathogen interactions; and (vi) bioinformatics and computational biology.

The students of the department have been achieving high consistently at all the national level examinations. The success rate of our students in the CSIR-UGC examination is between 33-50%. Upon completion of their M.Sc. degree the students are pursuing PhD at premier research institutions across the globe. Similarly the PhD students continue their academic pursuits in the leading research laboratories in the world as post-doctoral fellows.

Programs of study:

M. Sc. Biochemistry:
This is a four semester program based on choice based credits system. In addition to crediting several theoretical and laboratory based core courses a student needs to choose from a wide variety of foundation courses and elective courses. The students also undertake in-house research project in the final year.

Integrated MSc-PhD Biochemistry and Molecular Biology:
This is a 5 year program extendable up to a maximum of 8 years. During the initial 2 years, students will be involved in an extensive course work, which needs to be completed before continuation to the PhD stream. The course structure is similar but not identical to that of M. Sc. Biochemistry consisting of core courses, foundation courses and elective courses. Students who could not secure at least 7.5 CGPA, and could not secure at least B grade in each subject, but passed the minimum prescribed course work, should exit the course with a degree in M.Sc. Biochemistry and Molecular Biology. The students with an overall CGPA 7.5 or higher obtained during their 4 semesters of the coursework and project will continue to PhD stream to carry out their work under the supervision of a faculty member and are advised by a doctoral committee or Research Advisory Committee (RAC). They have to go through a PhD coursework like other regular PhD students. They also need to actively participate in journal club seminars, research work presentation etc.

Ph.D. Biochemistry:
This is a 6 year program extendable up to a maximum of 8 years for women and PWD candidates according to the UGC regulation. During the first semester students will be involved course work for a total of 12 credits. The students also need to actively participate in journal club seminars, research work presentation etc. Publishing research articles in highly reputed journals is a requirement before submission of the thesis work.

Entrance Examination:

Admission to M.Sc. Biochemistry:
Candidates who have passed B.Sc. with a minimum of 60% marks in aggregate of Science subjects with Chemistry or Biochemistry as one of the subjects are eligible to apply for the admission to M.Sc. Biochemistry. However, the selection is based on their performance in the written examinations

conducted at the National level. The paper consists of three parts: Part A, Part B and Part C. Part A consisting of 25 questions, Part B consisting of 45 questions and Part C 15 questions with multiple choices. Questions are drawn from various areas of Biology and Chemistry from the degree level. Part A marks will be taken into account to break the tie, if any, among candidates.

Admission to Integrated M.Sc.-Ph.D. Biochemistry and Molecular Biology
Candidates who have passed B.Sc. with a minimum of 60% marks in aggregate of Science subjects with Chemistry or Biochemistry as one of the subjects are eligible to apply for the admission to Integrated M.Sc.-Ph.D. Biochemistry and Molecular Biology. Ph.D. admission in will be based on an entrance examination and interview conducted by the Department. The question paper of the entrance examination will consist of multiple choice questions of B.Sc. standard drawn from different areas of Biochemistry and Life Sciences. The paper will test research aptitude as well as subject knowledge of the candidate. The paper consists of two parts with total marks of 80. Qualified candidates will be called for interview. Candidates having JRF through qualification in national level written examinations (e.g. CSIR-UGC, DBT, ICMR etc) have a choice to directly appear for the interview.

Admission to Ph.D. Biochemistry:
Students having a M.Sc. degree in Biochemistry or in a closely related area, M.Sc. or M.Tech. in Bioinformatics with at least 55% marks or an MBBS degree with a minimum of 55% marks are eligible to apply. In addition, Ph.D. admission in Biochemistry will be based on an entrance examination and interview conducted by the Department. The question paper of the entrance examination will consist of multiple choice questions of M.Sc. standard drawn from different areas of Biochemistry and Life Sciences. The paper will test research aptitude as well as subject knowledge of the candidate. The paper consists of two parts with total marks of 80. Qualified candidates will be called for interview. Candidates having JRF through qualification in national level written examinations (e.g. CSIR-UGC, DBT, ICMR etc) have a choice to directly appear for the interview.

Faculty

Professors

K.V.A.Ramaiah,Ph.D. (JNU). FNASc., FAS-AP - Gene expression, protein synthesis regulation in eukaryotes, protein phosphorylation, protein and cellular homeostasis

N.Siva Kumar,Ph.D. (CFTRI) FAS-AP - Glycobiology, Protein biochemistry, Cell and Molecular Biology, Structure function relationships of plant, animal lectins and glycosidases**)**

MrinalKanti Bhattacharyya, Ph.D. (TIFR) – Biochemical, cellular and molecular basis of parasitism of human malarial parasite: Genome stability and organization; genetic and epigenetic control of virulence gene expression; telomere dynamics in gene silencing **(Head of the Department)**

NareshBabu V Sepuri, Ph.D. (UoH) – Mitochondrial Biogenesis and Disease, Protein and tRNA import into mitochondria, Mitochondrial mediated oxidative stress.

Krishnaveni Mishra, Ph.D. (CCMB) – Epigenetic gene regulation and functional organization of the nucleus.

Sharmistha Banerjee, Ph.D. (CDFD) – Molecular pathogenesis and immunology of HIV, Mycobacterium tuberculosis (M.tb) and M.tb-HIV co-infection.

Associate Professors

Bramanandam Manavathi, Ph.D. (SKU) – Molecular and Cell Biology, Signal transduction and Oncology.

Gutti Ravikumar, Ph.D. - (IARI) - Stem Cell Biology, Developmental Biology, Signal transduction, Epigenetics, Gene Regulation, Apoptosis, Molecular and translational medicine.

Assistant Professors

SeemaMishra,Ph.D (NII) Computational Biology and Systems Biology of diseases

Mohd. Akif, Ph.D. (CDFD) - Structural Biology, X-ray Crystallography Structural and functional characterization of biologically important proteins

P. Anil Kumar, Ph.D. (NIN) - Structural and functional analysis of podocyte proteome, transcription factors (ZEB2, WT1) expression and mechanism in health and disease (diabetes and obesity)

Santosh Kumar Padhi, Ph.D. (IIT-Madras), - Biocatalysis, Protein engineering, Enzymes for organic/asymmetric synthesis, Engineering enzymes for synthesis of pharmaceutical intermediates, lipid modification and industrial applications

Honorary Professor:

C. K. Mitra, Ph.D. (TIFR) - Molecular biophysics, Electrochemistry of immobilized enzymes (biosensors), Studies on protein sequences (bioinformatics) and Nanobiotechnology**.**

Department of Plant Sciences

The Department has been supported under UGC-SAP (DRS) and DST-Funds for Infrastructure in Science and Technology (FIST) Level-II (phase 2). The foundations for the rapid growth of the Department in the last Twenty Three years have been laid with its philosophy to provide a well-balanced training to the students in modern Plant Sciences & Microbiology to enable them to choose careers in both advanced teaching and high quality research. The Department offers two Master's programme *i.e.*, Plant Biology & Biotechnology, and Molecular Microbiology, and an independent Ph.D. programme.

The Department has set up State-of-the-art laboratories for M.Sc. teaching with the DBT support to strengthen teaching and research activities of the Department.

All national and international funding agencies like DBT, MNES, CSIR, DST, INSA, UGC, NATP-ICAR, DAE, DOD, IAR, MoES, AP-Netherlands Biotechnology Programme, Humboldt Foundation, International Atomic Energy Agency, Rockefeller Foundation, Volkswagen Foundation, USDA, Indo-French Centre for Promotion of Advanced Research, the European Union, Third World Academy of Sciences are supporting the research activities of the Department.

The individual research laboratories are well equipped, apart from the availability of major equipment in central facilities of the Department, sister Departments in the School, and also at Central Instrumentation Lab of the University. The Faculty from the Department of Plant Sciences have the track record of consciously publishing in journals of repute like Nature, Plant Physiology, Journal of Biological Chemistry, Trends in Plant Sciences, Plant Cell, Plant Cell and Environment, Molecular Breeding, Genes and Development, TAG, MGG, Phytopathology, Molecular Plant Microbe Interactions, Plant Molecular Biology, Plant Cell Physiology, BBRC, Biochim BiophysActa, Planta, Journal of Ethnopharmacology, Journal of Plant Physiology, Physiologia Plantarum, DNA Research,

Current Microbiology, Plant Molecular Biology Reporter, Current Science, J. Proteome Research, Functional and Integrative Genomics, J. Biomol Struct Dyn, Molecular BioSystems, J. Physical Chemistry, Molecular Genetics and Genomics, International Journal of Systematic and Evolutionary Microbiology, Systematics and Applied Microbiology, Journal of Bacteriology, Archives Microbiology, Phytochemistry, *In Vitro* Cellular and Developmental Biology – Plant, Scientific Reports, Frontiers in Plant Sciences, Frontiers in Chemistry, Bio resource Technology, etc.

Programmes of Study

1. **M.Sc. Plant Biology & Biotechnology**: The course is a four semester programme that is evaluated based on credit system. A total of 11 core courses, 4 elective courses, 3 practical courses and a project have to be completed successfully by the students in the four semesters.

Course Content
* Cell Biology * Molecular Biology * Macromolecular Structure & Function * Genetics * Microbiology * Environmental Biotechnology * Molecular Biology & Genetic Engineering* Molecular Plant Pathology * Plant Biochemistry * *In Vitro* Plant Biology * Genomics & Proteomics * Plant Physiology * Plant Systematics * Natural Plant Products * Phytotechnologies * Plant Developmental Biology * Plant Biotechnology * Biodiversity * Medicinal Botany * Phytomedicine * Microbial Technology * Molecular Plant Breeding.

2. **M.Sc. Molecular Microbiology:** The course is a four semester programme that is evaluated based on credit system. A total of 11 core courses, 4 elective courses, 3 practical courses and a project have to be completed successfully by the students in the four semesters.

Course Content
* Cell Biology * Molecular Biology * Macromolecular Structure & Function * Genetics * Microbiology * Molecular Biology & Genetic Engineering * Molecular Plant Pathology *Microbial Physiology & Biochemistry * Enzymology * Molecular Virology * Genomics & Proteomics *Bioprocess Engineering & Technology * Viral Pathogenesis * Microbial Genetics * Basic Immunology *Antibiotics & Chemotherapy * Microbial Metabolomics * Microbial Ecology * Microbial Technology * Prokaryotic Systematics.

3. **Ph.D. Plant Sciences:** The Ph.D. programme requires a minimum of 3 years pursuance from the date of admission. At the end of I semester, the Ph.D. students would take examination for one lab work, Research Proposal, Scientific writing & Seminar and Two theory courses (Analytical techniques, Research Ethics, Data analysis, Biosafety and Biostatistics,) for a total of 12 credits. The requirement for the award of Ph.D. includes the submission of a thesis on an approved topic of research under the guidance of a faculty member. The scholar presents the research work in a comprehensive seminar before the submission of the thesis and faces an oral examination in defence of the thesis.

Entrance Examination

4. **M.Sc. Plant Biology & Biotechnology** entrance examination question paper consists of 100 objective type questions of B.Sc. standard and all are to be answered. Broadly, the question paper will consist of 40 questions in Botany, 20 questions each in Biochemistry/Chemistry, Microbiology and Genetics. **Negative marking is applicable for wrong answers.**

5. **M.Sc. Molecular Microbiology** entrance examination question paper consists of 100 objective type questions of B.Sc. standard and all are to be answered. Broadly, the question paper will consist of 25 questions each in Botany, Zoology, Biochemistry/Chemistry, and Genetics/Microbiology. **Negative marking is applicable for wrong answers.**

6. **Ph.D. Plant Sciences** admissions will be based on an entrance examination and an interview conducted by the Department. The question paper will consist of objective type questions of 80 marks where 50% are based on research methodology and 50% are subject specific (M.Sc. standard). Broadly, the subject specific questions will be from the areas of Plant Biology, General Biology, Microbiology, Molecular Biology, Genetics and Biochemistry.

1.   Candidates having JRF through qualification in national level written examinations (e.g. CSIR-UGC, DBT, ICMR etc) have a choice to directly appear for the interview.

2.   The following interview weightage will be given for those who have qualified UoH Entrance examination and candidates having JRF through qualification in national level written examinations.

Course work for Ph.D.

There will be course work for Ph.D. scholars that is mandatory. The course work will comprise of theory sessions in (i) Analytical Techniques (ii) Research Ethics, Data analysis and Biostatistics offered by the four departments of the School of Life Sciences. In addition, the candidates will be evaluated for lab work and seminar.

Infrastructural facilities

The Faculty and students of the Department have access to a range of sophisticated equipment dealing with diverse research topics. These include Confocal Microscope, CD-Spectroscopy, Ultra-centrifuges, High Speed Centrifuge, Infra-red gas analyzer, Atomic Absorption Spectrophotometer, HPTLC, HPLC, Lyophilizer, RTPCR machine, UV-VIS-NIR spectrophotometer, Liquid Scintillation counter, Laser scanner, Gel documentation system, Transilluminators, Inverted Microscope, Electroporator, Internet, Green house and Plant Culture facility, Fluorescence Microscope, Imaging system/Microarray reader etc. Further the facilities developed under UoH-DBT Centre for Teaching and Research in Biology and Biotechnology are also accessible. The Department is adding more infrastructural facilities under the newly granted FIST- Level II (Phase-2) programme.

School of Life Sciences facilities include, LCMS, Preparative LCMS, GCMS, MALDI, etc., University's Central facilities include Confocal Microscope, Scanning Electron Microscope, TEM, Peptide Sequencer etc. In addition, the individual faculty members have their own well equipped laboratories, computers and access to internet.

Faculty

Professors

P.B. Kirti, Ph.D. (Andhra), FNA, FNAAS, FNASc, FAP-AS --- Plant Molecular Biology, Plant Genetic Engineering.

Appa Rao Podile, Ph.D. (Sardar Patel) FNA, FASc, FNASc, FNAAS, FAS-TS, FPSI, FAMI and Tata Innovation Fellow (DBT) --- Molecular Plant Microbe Interactions (on leave as Vice-Chancellor, University of Hyderabad w.e.f. 23rd September 2015)

Ch.Venkata Ramana, Ph.D. (Osmania), Tata Innovation Fellow (DBT) --- Bacterial Diversity and Metabolomics. **(Head of the Department)**

G. Padmaja, Ph.D. (Osmania) --- Plant Genetics, Plant Tissue Culture, and Biotechnology.

Subramanyam Rajagopal, Ph.D. (SVU), FNASc, FAS-AP--- Structural Biology, Protein Biochemistry, Proteomics - Protein Drug Interactions.

Sarada Devi Tetali, Ph.D. (University of Hyderabad) --- Metabolomics of Medicinal Plants and their Evaluation for Pharmacological Activities.

Ragiba Makandar, Ph.D. (IARI, New Delhi) --- Plant Molecular Genetics, Plant Microbe Interactions & Functional Genomics.

Associate Professors

Gopinath Kodetham, Ph.D. (S.V. University) --- Molecular Plant Virology, Construction of PTGS Vectors & Cell Biology.

Assistant Professors

Irfan Ahmad Ghazi, Ph.D. (JamiaHarmdard) --- Rice Functional Genomics and Indian Traditional Medicinal Plants.

Sreelakshmi Y, Ph.D. (University of Hyderabad) --- Tomato Functional Genomics, Proteomics, Plant Development.

Rahul Kumar Ph.D. (University of Delhi-South Campus) – Functional Genomics, Hormone Signaling, Plant Biotechnology.

Jogi Madhuprakash Ph.D. (University of Hyderabad) – Protein Biochemistry, Glycobiology; Discovery, Engineering and Applications of novel enzymes.

Professors (Retired and Re-employed)

R.P. Sharma, Ph.D. (JNU) –Plant Developmental Biology, Tomato Functional genomics

A.S. Raghavendra, Ph.D. (SVU), FTWAS, FNA, FASc, FNASc, FNAAS --- Plant Biochemistry and Plant Molecular Physiology: Photosynthesis, Signal Transduction, Medicinal Plant Metabolomics.

Department of Animal Biology

The Department of Animal Biology, formerly known as the Department of Animal Sciences, was established in 1993, under the umbrella of the School of Life Sciences. The primary focus of the Department of Animal Biology is to impart knowledge in biomedical sciences at the highest level of excellence and to advance the frontiers of biology through innovative research programs. Since the inception, the Department has been rich in traditional biological sciences and at the same time continues to recognize the new developments in biological research. The department had and continues to have an esteemed faculty with diverse cutting-edge research programs: Developmental Biology, Immunobiology, Reproductive Endocrinology, Neurobiology, Cancer Biology, Infection Biology, Microbiology, Chromatin dynamics and Systems Biology of the Cell. The broad base of faculty expertise combined with the state-of-the-art laboratories creates an environment that fosters innovation and advancement in science and technology.

The programs of study:

MSc Animal Biology & Biotechnology: The curriculum of the course has a mix of basic and modern aspects of Biology and Biotechnology. The four-semester program is comprised of core courses in the first two semesters followed by elective courses during the third and fourth semesters. The core courses offer an in-depth knowledge in Evolutionary Biology, Biochemistry, Microbiology, Cell Biology, Molecular Biology, Mammalian Physiology, Developmental Biology, Enzymology and Intermediary Metabolism, Genetics, Endocrinology and Reproductive Biology, Immunology, Stem Cell Biology and Transgenic Technology. The elective courses offered during third and fourth semesters include: Epigenetics & Nuclear Dynamics, Vaccinology, Infection Biology, Oxidative Stress and Antioxidants in Health and Disease, Aquaculture: Nutraceutical & Pharmaceutical Applications, Neurobiology, Cancer and Cancer Stem Cell Biology, Chronobiology, Signal Transduction, Gene Regulatory Networks, and Heterologous Gene Expression and Downstream Processing. The students are required to take a total of four elective courses with the freedom to opt for electives offered by the other departments. The Department of Animal Biology provides comprehensive practical courses that provides hands-on-experience in Molecular Biology, Microbial and Mammalian culture, and protein purification. During third and fourth semesters, the students pursue problem-oriented research work in individual faculty laboratories, which provides them an opportunity to develop experimental skills. Thus, the MSc program provides the students not only broad range of areas of research, but also provides an opportunity to develop mastery skills on the frontiers of biological sciences.

Doctoral program in Animal Biology: The faculty members of the Department of Animal Biology play the active role of mentor by ensuring innovative research and training of Ph.D. students. Students are selected into the PhD program, based on their performance in the entrance exam followed by the interview. Admitted students are offered their choice of mentor to pursue their research interest. In the first year, Ph.D. students undergo extensive course work, which provides exposure to broad-range of research areas and techniques of modern biology. The research activities of all faculty members within the Department of Animal Biology are well supported by extramural funding, primarily from DBT, DST, DOE, CSIR, and ICMR as well as through industrial sponsorships. Furthermore, the research activities in the department of Animal Biology are greatly enhanced by the excellent core facilities within the School of Life Sciences as well as in the campus.

Admission process:

M. Sc. (Animal Biology & Biotechnology): An entrance examination is conducted for the selection of candidates to the program. The entrance examination consists of 100 compulsory objective questions of baccalaureate standard, covering all aspects of Zoology, Botany, Chemistry, Biochemistry, Microbiology, Genetics, Molecular Biology and Biotechnology.

Ph.D. (Animal Biology): An entrance examination is conducted for the initial screening, which is followed by an interview. Candidates qualified for JRF of CSIR-UGC/ICMR/DBT are exempted from the written test and are allowed to appear for the interview. The entrance examination consists of 75 compulsory objective questions of post-baccalaureate standard with emphasis in Animal Biology, Cell Biology, Molecular Biology, Microbiology, Genetics, Cancer biology, Immunology, Biochemistry, Physiology, Infection Biology, Neurobiology, Endocrinology, Reproductive Physiology, Developmental biology and Stem Cell Technology.

Infrastructural facilities:

State-of-art facilities are available for the students of the Department of Animal Biology. Specifically the School of Life Sciences offers the following core facilities: Next Generation Sequencing (NGS) platforms, Flow Cytometry, Proteomics, Genomics and Metabolomics. In addition, core facilities

include fish breeding, mosquito breeding, insect breeding and BSL3 pathogen containment facilities. Additionally, the School of Life Sciences offer 2D electrophoresis, MALDI-TOF/TOF and Q-TOF, Real-Time PCR, Chip maker, Spot picker, microarray set-up, metabolomics facilities for the analysis of small molecules, including LC-MS-MS. Other common facilities include High Speed Refrigerated Centrifuges, Ultra-Centrifuges, Spectrofluorimeter, Spectrophotometers, Gel Documentation System, Phosphor-Imager, HPLC, PCR Machine, Liquid Scintillation Counters, Luminometer, Oxygraph, Bioreactors, French press, Lyophilizers etc., The students also have access to Central Instrumentation Laboratory of the University, which contains amino acid analyzer, scanning electron microscope, transmission electron microscope (TEM), atomic force microscope (AFM), SPR spectrometer, Super-Resolution 3D Microscope system, Confocal microscopes etc. The entirety of the facilities is established through various national funding programs such as DST-FIST, DBT-CREBB and University Plan Grants. The members of the Department of Animal Biology are:

Professors:

P. Reddanna, Ph.D. (SV University) – Eicosanoids, Inflammation and Cancer

Aparna Dutta Gupta Ph.D. (BHU), FNA, FASc, FNASc, FAP-AS – Molecular physiology and biotechnology, biointensive-integrated insect pest management.

S. Dayananda, Ph.D. (SV University), FNA, FASc., FNASc, FAP-AS – Bacterial small RNAs, post-transcriptional regulation, bacterial horizontal gene transfer, catabolomics, metabolic engineering, biotransformation and biodegradation.

Manjula Sritharan, Ph.D. (Univ. of Hull, UK), FT-AS – Infection biology, host-pathogen interactions – Iron acquisition by pathogenic mycobacteria and *Leptospira* spp. & evaluation of candidate markers as sero-diagnostic agents for tuberculosis & leptospirosis

B. Senthilkumaran, M. Phil, Ph.D. (BHU), FNA, FNASc, FAP-AS – Molecular Endocrinology, Developmental Biology, Reproductive Biology of fish, Molecular mechansims of Sex Differentiation, Fish Neuroendocrinology

Jagan Pongubala, Ph.D. (Univ. of Bombay) – Molecular immunology, stem cell biology, gene networks, epigenetic regulation of cell fate and cancer biology

Anita Jagota, Ph.D. (JNU), FT-AS – Neurobiology, neurodegeneration and brain aging, Molecular Chronobiology

Associate Professors:

Sreenivasulu Kurkuti, Ph.D. (BHU) – Signaling and epigenome dynamics in stem cell development

Suresh Yenugu Ph.D. (Osmania Univ.) – Reproductive immunology and toxicology, transgenic technology

Assistant Professors:

Kota Arun Kumar, Ph.D. (UH) – Identifying drug and vaccine targets for malaria by approaches of reverse genetics, Plasmodium-host interactions at liver stages.

Radheshyam Maurya, Ph.D. (BHU) – Mechanism of Infection and Immunity in visceral leishmaniasis, Drug discovery and identification of new diagnostic markers.

M. K. Aruna Sree, Ph.D. (UH) - Protein-protein interactions of histone deacetylases: multi-drug resistance in bacteria and cancer.

Bindu Madhava Reddy Aramati, Ph.D. (UH) - Cell signaling, gene regulation related to diabetes and cancer.

Parul Mishra, Ph.D. (CDRI-JNU) – Role of protein quality control and degradation machinery in human health and disease.

Proposed students intake of the Department of Animal Biology for the academic year 2018-19:

Course	Subject	In take
M.Sc.	Animal Biology and Biotechnology	18
Ph.D.	Animal Biology	14

Note: The intake of Ph.D. admission (14 seats) indicated above is only for academic period 2018-19 and this intake cannot be considered as a benchmark for subsequent years.

Department of Biotechnology and Bioinformatics

The Department offers application oriented, sought-after and cutting edge courses in frontier areas of Biotechnology and Bioinformatics. Innovation based training is imparted to the students with a special emphasis on basic concepts of biological processes in order to pursue research in frontier areas of modern biology. A total of 13 independent research groups are active at the department studying molecular and cellular processes involved in cyanobacteria, higher plants and human health and disease with an emphasis on discovery of interventional molecules and identification of targets with respect to pest control, bacterial and viral infections, cancer and neurodegenerative diseases. Bacterial genomics/functional genomics, cellular biology, microbial biology, protein biochemistry and structure function studies, bioinformatics and computational biology constitute major skill domains of our research groups. In addition, the Department has an exclusive expertise in generation and analysis of high throughput genome sequence data of bacterial species and harnessing them towards discovery of new gene functions and pathways. Teaching and research programs of the department are supported by special grants from the DBT, DST and the UGC towards MSc, M.Tech, and Int-MSc/PhD courses. The faculty members at the Department are supported with several extramural grants and some are decorated with national and international recognitions. The Department actively participates in several international research student exchange and training programs with international agencies such as German Research Foundation (IRTG1673), European Commission (FP7: Marie-Curie IRSES), DAAD and Academia Sinica etc.

The Department has numerous facilities such as animal cell culture facility, bacterial culture and co-culture facility, HIV culture facility, neuronal and neuroglial culture facility and stem cell culture facility. Further, it has several essential instruments such as centrifuges, spectrophotometers, circular dichrometer, phosphorimager, PCR machines, FPLC, 2-D Electrophoresis, shakers, incubators, real time PCR and flow cytometers etc. The students can benefit from the state of art confocal microscopy facility and the genomic/proteomics/metabolomics facility available in the School. The Bioinformatics infrastructure facility and library facility funded by the Department of Biotechnology, Government of India is a well-equipped facility that is used by the students. Students also have access to high performance computing facility and centre for modelling, simulation and design for regular training as well as project works.

Programs of Study

M.Sc. Biotechnology: This flagship course was introduced in the year 1990 under the nationwide post graduate program by the Department of Biotechnology (DBT), Government of India. The course encompasses a four semester program with credit system of evaluation. The program consists of DBT recommended syllabi, and the course structure may change from time to time at the recommendations of the DBT. The course is directed according to the DBT guidelines but with the flavour of cutting edge research being undertaken at the Department. Students in interaction with the Biotech industry can avail opportunities to learn translational aspects of product development and commercialization. The students

shall be allotted/assigned to the available project supervisors, after successful completion of 2 semesters of coursework, based on the criteria in practice or as decided by the Department/School.

M. Tech Bioinformatics: M.Tech Bioinformatics is a state-of-art course, designed to train students in theory and computational techniques including hands-on practice using state of art servers and computer labs equipped with different software packages. The course is truly interdisciplinary and is offered with the help of different collaborating entities/scientists and computer experts within and outside the University. Each year, some of the students obtain attractive placement opportunities from reputed software and bioinformatics companies. The coursework spread over three semesters includes topics such as computational techniques, proteomics, basic statistics, basic mathematics, molecular modelling, genomics, bioinformatics, molecular dynamics, drug design, machine learning, mathematical modelling of biological systems and metagenomics etc. Students are encouraged to choose one elective course in the first and in the second semesters either within the department or from the other Schools of the University. The students will carry out a full time project work during their 3rd & 4th semesters under the guidance of a faculty member, either at the Department or elsewhere in a collaborative mode. The students shall be allotted/assigned to the available project supervisors, after successful completion of 2 semesters of coursework, based on the criteria in practice or as decided by the Department/School.

Integrated MSc-PhD Biotechnology: This is a 5 year program extendable up to a maximum of 8 years. During the initial 2 years, students will be involved in an extensive course work, which needs to be completed before continuation to the PhD stream. The course structure is similar but not identical to that of M.Sc. Biotechnology consisting of core courses, foundation courses and elective courses. Students who could not secure at least 7.5 CGPA, and could not secure at least B grade in each subject, but passed the minimum prescribed course work, should exit the course with a degree in M.Sc. Biotechnology. The students with an overall CGPA 7.5 or higher obtained during their 4 semesters of the coursework and project will continue to PhD stream to carry out their work under the supervision of a faculty member and are advised by a doctoral committee or Research Advisory Committee (RAC). They have to go through a PhD coursework like other regular PhD students. They also need to actively participate in journal club seminars, research work presentation etc.

PhD Biotechnology: This is generally a 3 to 6 years course. In the first two semesters there will be a minimal but essential course work component to assess for interdisciplinary skills and impart training in experimental methodology and research ethics etc. Soon after admissions, the students are expected to begin their work under the supervision of a faculty member and are advised by the doctoral committee from time to time. They have to actively participate research work presentation at the end of the semester. As per UGC guidelines PhD student have to publish at least one paper in peer reviewed journal and present their work in two conferences. The research students have to present their work in a comprehensive seminar before submission of their thesis. The students shall be allotted/assigned to the available research supervisors, at the time of selection, based on the criteria in practice or as decided/suggested by the admission committee/Department/School. Relaxation for women candidates are as indicated in the UGC guidelines.

Entrance Examination

M. Sc. Biotechnology: Selection is based on a common entrance examination in biotechnology (CBEE) conducted by the Jawaharlal Nehru University, New Delhi as part of the Biotechnology program supported by the DBT, Government of India.

M.Tech Bioinformatics: This course is recognized by the AICTE and hence admission to this course is through Centralized Counseling for M.Tech. (CCMT).

Integrated M.Sc. /Ph.D. Biotechnology: Admission is based on an entrance examination followed by interview. The question paper for the entrance examination will comprise of 80 multiple choice

questions where 50% are based on research methodology and 50% are subject specific based on Bachelor level standards and will be chosen to test knowledge pertaining to Mathematics, Physics, Chemistry, Biology and quantitative aptitude.

Ph.D. Biotechnology: Admission to PhD Biotechnology should be through an entrance examination followed by interview. The question paper for the entrance examination will comprise of 80 multiple choice questions where 50% are based on research methodology and 50% are subject specific.

Faculty
Professors

Anand K. Kondapi, PhD (Andhra University): Molecular therapeutics, functional characterization of DNA topoisomerases in metastasis, HIV infection, neurodegeneration and brain aging (**Head of the Department**).

P. Prakash Babu, PhD (University of Hyderabad): Neuroscience: Cell signalling and cell death (apoptosis) in cerebral ischemia (stroke), cerebral malaria, brain tumors, and stem cells. Screening natural and synthetic compounds for their anti-malarial and anti-cancer (*in vitro* and *in vivo*) activities.

Niyaz Ahmed, PhD (Manipal University): Pathogen biology, molecular epidemiology, biology of chronic infections, host-pathogen interaction dynamics **(On deputation)**.

K. P. M. S. V. Padmasree, PhD (University of Hyderabad): Biotechnological applications of proteinase inhibitors (agricultural and human therapeutics), bioenergetics of chloroplasts and mitochondria.

J. S. S. Prakash, PhD (Jamia Hamdard): Functional genomics and cyanobacterial gene regulatory networks.

H. A. Nagarajaram, PhD (IISc): Computational systems biology; assessment of functional impact disease causing mutations at molecular and systems level; discovery of basic structural principles governing protein functions

Assistant Professors

Musturi Venkataramana, PhD (Sri Venkateswara University): Molecular studies on viruses causing Dengue and Chikungunya

Vaibhav Vindal, PhD (Manipal University): Gene regulatory networks, functional genomics of pathogens, analysis of protein sequence/structure/function.

N. Prakash Prabhu, PhD (University of Hyderabad): Protein structure, folding, dynamics.

Sunanda Bhattacharya, PhD (Bose Institute, Kolkata): Role of chaperones in genome stability and chromatin remodeling, understanding *Plasmodium* biology and host parasite interaction.

Insaf A. Qureshi, PhD (Jamia Hamdard): Molecular biology, protein crystallography.

Gajula B. Madhubabu, PhD (Max-Planck Institute for Biophysical Chemistry, Goettingen, Germany): Behavioral neuroscience and neurodegenerative diseases

Nooruddin Khan, PhD (CDFD, Hyderabad): Molecular immunology, Infectious diseases.

Pankaj Singh, PhD (University of Hyderabad): Machine learning for Data Science, Mathematical/computational modelling of gene networks, Knowledge discovery in Neuronal aging/senescence and neurodegenerative diseases.

School of Humanities

The School of Humanities was founded on the conviction that the discipline of Humanities gives purpose, direction and value to education and life and these subjects are equally important to society like scientific and technological disciplines. The School of Humanities is the largest School in the University with thirteen Departments/ Centres, seventy three permanent faculty members as of now, and around nine hundred and thirty students in different Master's, M.Phil. and Ph.D. programmes. The School aims at providing an appropriate space for common awareness and a sense of responsibility for making the University more than a complex of specialized departments and centres. In addition, it is committed to achievement of academic excellence, creativity and all-round development of students. The courses offered in the School reflect these objectives and concerns.

Vision of the School
The School engages with three major components of activities viz., teaching, research and outreach in Humanities subjects. We believe that for effective teaching to be possible, it must be supported by research, as teaching and research are complementary to each other. Accordingly, our Master's programmes are designed with a three-tier system comprising of core courses, elective/ optional courses and foundation courses. At the elective level, various courses are offered depending on their importance in the current educational scenario at the national and international levels and the research interests of the faculty.

Mission of the School
Our broad objective is to inculcate ethics and values in our students along with imparting of knowledge and thereby make them conscious about the value permeated character of life and society. The underlying theme of all our activities including teaching and research is to bring about the society-ethics interface and towards this goal we strive to understand and study language, literature, culture and philosophy in their various forms and manifestations.

Prof. Pingali Sailaja, Centre for English Language Studies (CELS), is the **Dean of the School.**

The School of Humanities comprises the following Departments/ Centres:

1. Department of English
2. Department of Philosophy
3. Department of Hindi
4. Department of Telugu
5. Department of Urdu
6. Centre for Applied Linguistics and Translation Studies
7. Centre for Comparative Literature
8. Department of Sanskrit Studies
9. Centre for English Language Studies
10. Center for the Study of Foreign Languages
11. Centre for Endangered Languages and Mother Tongue Studies
12. Centre for Dalit & Adivasi Studies & Translation
13. Centre for Buddhist Studies

Department of English

Rated as the best place in India for the study of English (by QS World Rankings) three years consecutively, the Department admits into its M.A. programme graduates from **any** basic discipline. It aims at providing instruction and carrying out research in all significant areas of English Literary Studies.

Programmes of Study

The M.A. programme extends over four semesters. It is a 72 credit programme, with 56 credits for Mandatory courses and 16 credits for optional courses, 4 of which may be obtained from other departments. Students may take additional courses, up to a maximum of 80 credits, keeping in mind the department schedule.

The **M.A.** programme covers different areas of English Studies (Language and Literature) such as Shakespeare and the Seventeenth Century; Eighteenth Century, Romantic, Victorian and Modern British Literature; American Literature; New Literatures; Indian Writing in English; Literary Criticism and Theory; Dalit Literature/Cultural Studies and the English Language.

The Department enrols students for research both at the M.Phil and Ph.D. level. The topic of the dissertation/thesis is approved by the Department and carried out under the supervision of a Faculty member depending on faculty availability, interest and specialization.

The **M.Phil** is a programme lasting a minimum of three semesters which includes course work of a minimum of 12 credits and a dissertation for 12 credits. The programme includes written examinations for the course work, the grades of which are part of the final tally for the M.Phil. as a whole. Attendance as mandated in the Department will be monitored. Candidates are expected to give an open pre-submission seminar on their research topics. The dissertation is examined by both internal and external examiners, with a viva voce at the end. For admission to the M.Phil. programme, applicants must submit, along with the application, a brief (about 500 words) research proposal.

The **Ph.D** programme normally extends over a minimum period of two years from the date of admission. The programme requires mandatory course work of 16 credits to be completed in the first two semesters, leading to a research proposal at the end of the 3rd semester. Students are required to write a dissertation on an approved topic under Faculty guidance and take an oral examination. Applicants for admission to the Ph.D. programme must submit, along with the application, a brief description (about 1000 words) of their proposed topic of research.

The Department will help both M.Phil and Ph.D. students choose their topics and supervisors.

Currently, the Department encourages work in *Indian Writing in English, Dalit Studies, Diaspora Studies (specifically literature from the South Asian Diaspora), Victorian Literature and Culture, Shakespeare Studies 18th Century English Literature, Indo-British Literary and Cultural Transactions, Children's Literature, Popular Culture, English Literature of the Romantic Age, Postcolonial Literatures in English. The Department particularly encourages research projects relating to English in India, its socio-historical and pedagogical reaches – its thrust area for UGC's DSA-II program.*

The Department supervises only that research work where primary materials are available in English, or in English translation.

Detailed areas of interest/expertise are listed against the names of individual Faculty below, and indicate the areas in which they might be willing to supervise research. Prospective candidates are advised to go through Faculty profiles here and on the University-Department website when applying.

Entrance Examination

M.A

Multiple Choice Questions for **100** marks. These will include questions and exercises in comprehension, language and literary awareness.

M.Phil. and Ph.D.

The question paper of M.Phil. and Ph.D. courses shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks will be on Research Methodology, broadly will be as follows:

Research Methodology: *"The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test will be on the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam. Part B: 40 marks will be on subject concerned.

In addition, there is an Interview for **25** marks for shortlisted candidates. For examining their research aptitude, at the Interview, the candidate will be examined on:

- Research Proposal: quality, innovativeness, methodology
- Language skills
- Literature Review
- Argumentation (in the proposal and at the interview)
- Familiarity with Primary sources and working bibliography

Infrastructural facilities

The Department receives additional support from the UGC-DSA (Department of Special Assistance) program. This status was accorded to the Department after a review of its performance under three successful phases of assistance under the DRS (Departmental Research Support – I) and the DSA-II. The UGC in 2015 sanctioned an amount of Rs. 120,00,000 to the Department under DSA-Phase II to be spent over five years starting 2016 for a project titled "English in India: Variants and Contemporary Developments".

The Department has Photocopiers, essential audio-visual equipment, and a substantial text book library built up purely on the strength of donations from Faculty, students and other well-wishers. The Department's Multimedia Laboratory is used for the study of language, drama, media and contemporary images. Several donors have contributed financially to the Department. They include Nirmala Rita Nair, CT Indira, Linda Dittmar and the Chanduri family. The Department gives an annual prize in the name of Prof. Dorothy Deering. The Department co-hosts the Annual Srinivas Rayaprol prize in Poetry with the Rayaprol Trust.

Faculty
Professors

K. Narayana Chandran, PhD (IIT Bombay) American Literature; Modern Literatures in English; English in India (the history and pedagogy of the discipline); Translation; Short Narrative Forms; Reading/Literacy Theories; Malayalam Literature and Culture; Indian aesthetic/comparative studies; New Literatures /Theory in English; Allusion, Intertextuality, and Intergenres. (**Re-employed**)

Sachidananda Mohanty, Ph.D. (IIT Kanpur); D.H. Lawrence and 20th Century Fiction, Intellectual History, Canon Formation, Nineteenth Century Literature, Regional Writing, Translation, Women's Writing, Cultural Studies. (**On leave until Oct. 2018**)

Pramod K. Nayar, Ph.D. (Hyderabad); Colonial Discourse Studies, Literary & Cultural Theory, Posthumanism, Comics and Graphic Novels, Human Rights and Literature (**Head of the Department (DSA-II Coordinator)**

D. Murali Manohar, B.A. B.Ed., M.Phil., Ph.D. (Hyderabad); Indian Writing in English, Indian English Women's Fiction, Dalit Literature/Studies and Women's Studies. (**On leave until Jan. 2020**)

Anna Kurian, Ph.D. (CIEFL, Hyderabad); Shakespeare Studies, Children's Literature.

Assistant Professors

Sindhu Menon, Ph.D. (Hyderabad); Children's Literature, 18th Century Literature and Romantic Literature, Indo-British Literary and Cultural Transactions.

Sireesha Telugu, Ph.D (Hyderabad); Indian Writing in English, American Literature, South Asian Women's Diaspora, Indian Diaspora and Literature

Siddharth Satpathy, Ph. D (University of Chicago): Victorian Literature and Culture, Post Colonial Thought, Indian Intellectual Traditions in the 18th and 19th Centuries, Religious Culture, Literary History, Novel, and Autobiography

Girish D. Pawar, Ph.D. (EFLU, Hyderabad); Cultural Studies, New Literatures in English, Theatre, Modern Literatures and Transmedia Studies.

B. Krishnaiah. M.A.,SLET., M.Phil., Ph.D. (Kakatiya University, Warangal); Indian Writing in English, Indian English Women's Fiction, Postcolonial Studies, Dalit Studies.

Bhaskar Lama Ph. D (EFLU, Hyderabad); Jewish American Writings, African American Literature, Studies in the Humanities

Gopika Sankar U. Ph.D (IIT Madras, Cambridge CELTA): Literature and space (Spatial literary studies), Diaspora literature, Contemporary Indian English fiction

Rama Naga Hanuman Alapati, Ph.D (Osmania University) American Literature, Indian Writing in English

Department of Philosophy

The Department is eminently known in the country for research in diverse fields of philosophy. It has been recognized by the UGC as a Department of Special Assistance since 1987. The thrust areas of research under this programme are (1) Philosophy of Language (2) Philosophy of Cognition and Mind.

In addition to these, the Department also carries on research in Contemporary Western Philosophy, systems of Indian Philosophy like Nyaya, Buddhism and Vedanta, Indian Aesthetics, Philosophy of Science, Social and Political Philosophy, Epistemology, Ethics and Logic.

Programmes of study

M.A. Programme

In this programme the Department offers courses at two levels. At the basic level it offers core courses in the classical schools of Indian and Western Philosophy, Ethics and Logic. At the advanced level it offers optional courses in the various fields of philosophy such as Advanced courses in Nyaya and Buddhism, Social and Political Philosophy, Philosophy of Science, Philosophy of Language, Philosophy of Art etc.

M.Phil. Programme

In this programme emphasis is laid on generating aptitude for independent research. It requires both course work and the writing of a dissertation. The course work consists of studying Contemporary Indian and Western philosophical problems. In addition, the students are required to do a course on Research Methodology and a course related to their respective dissertations. Interdisciplinary research is encouraged, where two or more departments/schools are involved.

Ph.D. Programme

The Ph.D. Programme aims at developing original research in diverse fields of philosophy. It encourages interdisciplinary research. The research scholars are required to write a dissertation on a topic of their choice in consultation with the supervisor after completing at least two semesters of course work. Interdisciplinary research is encouraged, where two or more departments/schools are involved.

Entrance Examination

The question paper for the entrance test for **M.A.** course consists of 100 objective (multiple-choice) questions of one mark each. The questions pertain to Reading and Comprehension, Quantitative and Analytical Reasoning among other. There will be a **negative marking** of **0.33** for every wrong answer.

The question paper for **M.Phil**. and **Ph.D**. courses shall consist of 80 marks in two sections, as per the UGC Regulations. 2016.

Part-A: 40 marks will be on Research Methodology. The methodology may include research publication, interview, surveys and other research techniques, and could include both present and historical information besides questions on Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.

Part-B: 40 marks will be on subject concerned.

Infrastructural facilities

The Department offers centralized facilities such as computers with internet facility and library book collections.

Faculty

Professors

A. Raghurama Raju, Ph.D. (IIT, Kanpur) - Social and Political Philosophy, Contemporary Indian Philosophy (**On Deputation)**

Prajit Kumar Basu, Ph.D. (IISc, Bangalore), Ph.D. (Iowa) – History and Philosophy of Science, Epistemology (**SAP Coordinator**)

K. Siddeswara Prasad, Ph.D. (SVU) - Nyaya, Indian Philosophy (**Head of the Department** and **SAP Deputy Coordinator**)

Associate Professors

Chandra B. Varma, D.Litt (Ranchi University) – Buddhism, Indian Philosophy, Phenomenology, Translation of the Philosophical Works from Pali, Prakrit and Sanskrit into English

Assistant Professors

Abhijeet Joshi, Ph.D. (Pt. R.S. University) – Advaita Vedanta

B. Ananda Sagar, Ph.D. (University of Hyderabad) – Epistemology and Analytic Philosophy

Venusa Tinyi, Ph.D. (University of Hyderabad) – Logic, Analytic Philosophy

Kavita Chauhan, Ph.D. (Panjab University, Chandigarh) – Philosophy of Art, Indian Philosophy

Department of Hindi

The Department of Hindi aims at providing teaching and research facilities in Hindi, keeping in view the changing social norms, communication patterns, different social roles of language in our society and fast changing social values in our time. While drawing up the syllabus, sufficient care has been taken to cater the present needs of the society. It has been kept flexible enough to incorporate various requirements of the students in the context of contemporary society. Special attention is paid to the regional needs and comprehensive studies of language and literature.

Programme of Study

The Department offers M.A., M. Phil. and Ph.D. Programmes in Hindi.

The **M.A. Hindi Language and Literature** course extending over four semesters provides instruction and guidance for acquiring knowledge in various new fields of Hindi language and literature without entirely neglecting the old and medieval texts and offers wide scope for elective studies. Special emphasis is also given to the functional aspects of the language.

M.A. Hindi Language and Literature course will have **two streams: (i) Literature Stream (ii) Functional Hindi and Translation stream.**

This course will have common papers up to 3rd Semester and in the 4th Semester the Streams will be separated. **In case a student opts the Functional Hindi and Translation stream, he/she will be offered four separate courses (Four credits each) and it will be mentioned -'Specialization in Functional Hindi and Translation' in his/her degree of M.A. Hindi Language and Literature.**

The **M. Phil programme** is a three semester programme. The students will take courses on research methodology and advanced literary trends in the first semester and write a dissertation on an approved topic in the second semester under the supervision of a Faculty member.

The **Ph.D. programme** is entirely a research programme, having course work of 16 credits in the 1st year. Students are required to submit their thesis after passing the prescribed courses for Ph. D Programme. No student is permitted to submit his/her thesis for the Ph.D. degree unless he/she has passes the courses of research in the department as prescribed in a period of one year, extendable up to

a period of one more year semester by semester from the date of confirmation of admission. There will be written and oral examinations for the course work prescribed therefor.

Applicants for the M. Phil and Ph.D. courses must submit a brief description (in about 500 words) of their proposed topic of research along with their applications.

Research in the following fields is given preference:

1. Bhakti Literature/ Bhakti Movement
2. Comparative Studies
3. Sociological approach to Literature
4. Various aspects of Modern Literature
5. Dakkhini Hindi – Language and Literature
6. Dalit and Tribal Literature
7. Functional Hindi and Translation
8. Mass Media and Cultural Studies
9. Women and Gender discourse

M.Phil Hindi: Intake : 2 seats

The Research Area wise break-up of seats is given   below:

01 seat in the Media & Cinema.
01 seat in the Comparative Literature & Modern Hindi Literature.
The Research proposals in the above mentioned areas only will be considered.

Entrance examination

The entrance examination for **M. A. Hindi Language & Literature** will consist of 100 objective type questions only to be answered on **OMR Sheet.** The written test will be based on objective type questions of B.A. Standard related to the following areas on**:**

1. History of Hindi Language and Literature.
2. Works of prominent personalities of Hindi Language and Literature.
3. Scientific and Academic topics related to Hindi language and literature.
4. Questions on General Hindi Grammar/Linguistics.

There is negative marking and 0.33 marks will be deducted from total marks obtained by the candidate for each wrong answer in M.A. as per University rules.

M.Phil and Ph.D.
The question paper of M.Phil. and Ph.D. courses shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks will be on Research Methodology, broadly will be as follows:

Research Methodology : *"The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test will be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 40 marks will be on subject concerned which is as follows :

M.Phil:

1. History of Hindi Literature
2. History of Hindi language
3. General Linguistics
4. Works of prominent personalities of Hindi Language and Literature
5. Scientific and academic topics related to Hindi language and literature.

Ph. D:

1. History of Hindi Language and Literature (Questions will be from the areas of Medieval poetry, Modern literature, Drama and Fiction, Linguistics, Indian & Western Poetics & Criticism etc.)
2. Research Methodology and related topics.

In addition, there is an Interview for **25** marks for shortlisted candidates.

Note: There will be no admission in Ph.D. Hindi during the academic year 2018-19.

Faculty

Professors
V. Krishna, Ph.D. (Osmania)- Modern literature, Philosophy of literature, Comparative studies, Functional Hindi, Translation, Dalit Literature and Identity Studies. **(on lien)**

Ravi Ranjan, Ph.D. (Hyderabad)- Bhakti Poetry, Modern Literature, sociology of Literature & Literary Criticism **(on lien)**

R.S. Sarraju, Ph.D. (Andhra)- Functional Hindi and Translation studies, Comparative Indian Literature, Sociology of Literature.

Sachidananda Chaturvedi, Ph.D, Sanskrit (Kanpur University), Ph.D. (Manipur University)- Sanskrit literature, Indian Poetics, General Linguistics, Modern Hindi Literature. **(Head of the Department)**

Gajendra Kumar Pathak, M.A.Hindi (JNU), M.Phil. (JNU), Ph.D. (V.K.S.U.)- Bhakti movement and poetry, Hindi navajagaran, Hindi Criticism, Philosophy of History of literature, Modern and contemporary Hindi Literature.

Alok Pandey, M.Phi. & Ph.D. (JNU) – Bhakti Literature, Modern Literature, Sociological Approach to Literature, Media, Cinema, Cultural Studies, Interdisciplinary and comparative studies.

Cherla Annapurna, Ph.D PG & Research Institute (DBHPS) Language studies, Translation studies, Comparative and modern Literature.

Associate Professors
M. Shyam Rao, Ph.D. (Hyderabad) – Modern Hindi Poetry, Modern Hindi prose, Aesthetics, Marxist Approach to Literature, Sociology of Literature, Comparative Literature, Indian Literature.

Bhim Singh, Ph.D. (Delhi)- Modern Hindi Literature, Contemporary Hindi literature and Discourses, Historiography of Hindi Literature, Folk Literature of Rajasthan, Lexicography and Semantics.

M. Anjaneyulu, Ph.D. (Hyderabad)- Modern Hindi Literature, Comparative Studies, Bhakti Literature. Indian Literature.

Assistant Professor

J. Atmaram, Ph. D (Osmania)- Hindi Criticism, Modern Hindi Literature (Poetry & Prose), Functional Hindi and Translation, Social contest of Hindi language and Registers.

Department of Telugu

The main objective of the Department of Telugu is to promote studies in Telugu Language and Literature. The Department undertakes teaching and research in Telugu with emphasis on various aspects of historical and comparative studies in language and literature. The syllabus for various courses is drawn keeping in view of the changing needs of the society in relation to language use, and the role of literature in the society. An equal importance is also given for studies in Classical literature and Sanskrit, along with interdisciplinary approach.

Programmes of study
The Department offers M.A., and Ph.D. programmes in Telugu.

The **M.A.** programme in Telugu is of four-semester duration with all the important areas of study. There are 3 Core and 2 Optional courses in each semester totalling 20 courses. All the courses are 4 credits each and the students of M.A. have to earn 80 credits to get the Degree. The courses are designed with an emphasis on the all round development of the personality of the students with an adequate importance to job opportunities. The courses provide a wide range of specializations such as classical, modern, folk, Dalit and Diaspora literatures, literary criticism and aesthetics, traditional grammar, Telugu linguistics, computer application to Telugu language, and mass media.

The **Ph.D.** programme is entirely a research programme oriented towards studies in classical and modern Telugu literature, comparative literature and culture, history, and Language studies. The Ph.D. programme will normally extend over a minimum period of three years from the date of confirmation of admission and maximum of six years. The nature of the programme is individually designed for each candidate but invariably include course work in the first semester and later a thesis on the approved topic under faculty guidance.

Entrance Examination

I. The Entrance Examination for M.A.consists of 100 objective type questions of one mark each to be answered in OMR Sheet. The questions will be based on graduation level in the areas of classical and modern literary works, genres, authors, quotations, grammar, chandas, alankaras, Andhra Culture, history of literature, and history of Telugu language, General Knowledge, current events etc. Negative marking is applicable for every wrong answer.

II. ThePh.D. Entrance Examination paper consists of 75 objective type questions at post graduation level of one mark each to be answered in OMR sheet. The questions will be based on classical and modern literature, linguistics and history of Telugu Language and Literature, grammar, chandas, alankaras, literary criticism, folk Literature, dramaturgy, aesthetics, literary works, authors, basic Sanskrit knowledge, General Knowledge etc. The candidates who qualified in the written test have to attend oral test for 25 marks. Negative marking is applicable for every wrong answer.

Faculty

Professors

S. Sarat Jyotsna Rani,M.A. (Nagarjuna), M.Phil.(UoH), Ph.D. (Osmania), D. Litt. (Berhampur). Classical and Modern Literature; Modern Poetry; Folk Literature and Cultural History of Andhras, Telugu Drama and Literary Criticism.

Tummala Ramakrishna, M.A., M.Phil., Ph.D. (Sri Venkateswara). Modern Literature, Fiction Studies and Creative Writing and Text Book Preparation, Audio and Visual Lesson Preparation and Mass media Writing **(Head of the Department).**

G. ArunaKumari, M.A. Telugu, M.A. Sanskrit, M.A. Philosophy (Osmania); M.Phil. and Ph.D. (UoH). D. Litt. (Berhampur). Modern Literature, Classical Literature, Folk Literature, Sanskrit, Logic and Inscriptional Telugu, Comparative Literature. **(Head, Center for Classical Language – Telugu)**

R.V. Rama Krishna Sastry,VyakaranaVidyaPraveena, BhashaPraveena, M.A. Sanskrit, M.A. Telugu (Andhra), M.A. Jyothisha (PSTU), M.A. Linguistics (Annamalai), Ph.D. Sanskrit & Ph.D. Telugu (Andhra), CIC (IGNOU). Telugu and Sanskrit Grammar, Classical Literature, Literary Criticism.

Darla Venkateswara Rao, M.A. Telugu (UoH), M.A., Sociology (B.R.A.O.U.), M.Phil., Ph.D. (Telugu) (UoH) P.G. Diploma in Linguistics & Teaching of Telugu Language (PSTU.), Diploma in Sanskrit (O.U). Comparative Aesthetics, Literary Criticism, Applied Criticism, Classical Literature, Modern Poetry, Dalit Literature, Sociological approach to Literature, Telugu Diaspora Literature.

Pillalamarri Ramulu, M.A. (Osmania) M.Phil., Ph.D. (UoH) P.G. Diploma in Sanskrit. Classical and Modern Literatures, East and West Aesthetic theories, Literary Criticism, Evolution of Telugu Literature, and Cultural Studies.

M.Gona Naik, M.A. Telugu M.Phil., Ph.D. (SKD) - Trible Folklore, Folk Literature, Classical Telugu Literature**.**

Associate Professors

Pammi Pavan Kumar, M.A. Telugu (UoH), M.A. Linguistics (Annamalai), M.Phil., Ph.D. (UoH). Classical and Modern Grammar, Applied Linguistics, Natural Language Processing, Preparation of text books and Mass Media.

D. Vijayalakshmi, M.A. Telugu (Madras); M.A. Linguistics (Annamalai); Ph.D. (SPMVV, Tirupati) Diploma in Tamil (Madras), P.G. Diploma in Telugu Translation (SPMVV, Tirupati). Telugu Language, Literature and Comparative Studies.

Assistant Professors

B. Bhujanga Reddy, M.A., M.Phil. Telugu(UoH), M.A. (Applied Linguistics), Ph.D. Linguisitcs (PSTU), M.A. Sanskrit (Kakatiya) P.G. Diploma in Translation Studies, Literary Criticism, Literary Translation, Telugu Grammar and Linguistics.

D. Vijayakumari, M.A.(Andhra), M.Phil., Ph.D.(UoH). Folk Literature and Desi Literature.

Department of Urdu

The Department of Urdu aims at providing teaching and research facilities in Urdu.

Special importance is given for studies in Deccani research especially editing of Deccani Manuscripts and classical and modern literature. The syllabus is updated keeping in view of the changing needs of the society. The syllabus includes job-oriented courses like Translation: theory and practice; Computer and Urdu Software Practice; Urdu Journalism and script writing for Audio-Visual media. This is the only Department in the country having computer lab of 12 PCs with internet connection. The Department conducts workshop, extension lectures by eminent scholars, and symposia/seminars of

National and International level. There is tremendous response of M.Phil. and Ph.D. research and a good research output also.

The Department offers **M.A., M.Phil**., and **Ph.D.** programmes in Urdu.

The **M.A.** Urdu syllabus has both modern and interdisciplinary features. The programme aims at giving a fair knowledge of all the important forms of Urdu literature with introduction of other disciplines in Humanities and Social Sciences relevant to Urdu literature. The programme consists of several innovative optional courses like translation theory & practice, Writing methods for audio visual media, and core/compulsory courses in Computer & Urdu Software practices and Introduction to Urdu Journalism.

The **M.Phil** Programme has twin objectives: i) to train a student in research methodology so that he/she may pursue Ph.D. research in a systematic manner; and ii) to familiarize them with practical criticism so that their research does not become a mere enumeration of facts but exhibits an exercise of the faculties of critical appreciation and evaluation of literary works.

The candidates for **Ph.D.** may be required to work on a topic approved by the Departmental Committee but our special targets are i) inter-disciplinary topics ii) topics of comparative literature. Applicants for the Ph.D. course must submit along with their applications, a brief description (in about 500 words) of their proposed topic of research.

Entrance Examination

The entrance examination for M.A will consist of three parts; Part 'A' and Part 'B' and Part 'C'. the question paper will consists of objective type questions for 25 marks under Part ' A', two essay type questions for 50 marks under Part 'B' and 25 marks for one question exclusively on Urdu poetry under Part 'C'. The objective questions are designed to test candidate's knowledge at appropriate level, i.e., B.A. level. Two questions of essay type are to test the explanatory/descriptive ability of the candidate in Urdu language/literature and general topics.

The question on poetry is to determine the candidate's capacity for understanding and explaining various genres of poetry such as copulates from Urdu Ghazal, Nazam, Rubai, Qata and others.

M.Phil. and Ph.D.

The question paper of M.Phil and Ph.D. courses shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks will be on Research Methodology, broadly will be as follows:

Research Methodology: " The process used to collect information and data for the purpose of making decisions. The Methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.

This part of the Entrance Test be in the UGC-CBSE/CSIR JRF exam.

Part B: 40 marks, will be on subject concerned.

The examinations of M.Phil. and Ph.D. will be based on the M.A. and M.Phil. syllabus respectively. The question paper for both the examinations, will consists of objective type questions to be answered in Answer Book/

The qualified candidates for M.Phil. & Ph.D. will have an interview for 25 marks.

Faculty

Professors:

Dr. Habeeb Nisar: Ph.D (UoH) Classical Prose and Poetry, Deccani Literature, Interdisciplinary Studies, Textual Criticism, Practical Criticism, Urdu Fiction.

Assistant Professors:

Dr. Arshia Jabeen: Ph.D (UoH), Modern Prose, Modern Fiction, Modern Literary Criticism, Computer Studies.

Dr. Abdur Rab Manzar: Ph.D (Osmania) Modern Criticism, Modern Prose and Poetry

Dr. Md. Zahidul Haque: Ph.D (JNU) Classical Poetry, History of Urdu Language and Literature, Urdu Journalism and Mass Media, Comparative Literature.
Dr. Mohd Kashif: Ph.D (JNU) Modern Fiction and Mass Media.

Dr. Nishath Ahmed: Ph.D (UoH) Deccani Literature, Modern Prose and Poetry.

Dr. Rafia Begum: Ph.D (UoH) Fiction, Non Fiction and Modern Poetry.

Centre for Applied Linguistics and Translation Studies (CALTS)

The Centre for Applied Linguistics and Translation Studies (CALTS) was established as a research centre in 1988. The Centre started offering postgraduate teaching programme since 1990. The Centre specializes in Language Interface Studies with an emphasis on Language Teaching, Sociolinguistics, Psycholinguistics, Translation Studies, Lexicography, Language Typology and Language Technology [for which a Special Assistance Programme has been sanctioned by UGC – Phase-I: 2002-2007, Phase-II: 2007-2012, DSA-I, 2015-2020]. Apart from being one of the advanced centres of teaching and research in Applied Linguistics and Translation Studies in the country, CALTS has also created a substantial computational facility for research and training in Natural Language Processing (NLP) and Machine Translation (MT). CALTS has faculty members specialized in the areas of Language Teaching, Syntax, Semantics, Historical Linguistics, Psycholinguistics, Sociolinguistics and Translation studies involving different Classical and Modern Indian Languages such as Sanskrit, Telugu, Tamil, Kannada, Odia, Bangla and Khasi.

CALTS has undertaken major research projects like Indian Language to Indian Language Machine Translation (IL-ILMT), Shallow Parser Tools for Indian Languages (SPTIL: Assamese, Bodo, Dogri, Gujarati, Hindi, Konkani, Kashmiri, Maithili, Manipuri, Nepali, Odia and Santali) and Indian Languages Corpora Initiative (ILCI) Phase II funded by DeITY, Ministry of Communications and IT, Govt. of India. CALTS has been evaluated and rated by the Research Council of United Kingdom as **Centre of Excellence** in 2010 among 32 important institutions in the country

Programmes of study
The Centre offers the following programmes:

i)   M.A. in Applied Linguistics
ii) Integrated M.A. in Language Sciences

iii)   M.Phil. in Applied Linguistics
iv)   M.Phil. in Translation Studies
v)   Ph.D. in Applied Linguistics
vi)   Ph.D. in Translation Studies

M.A. in Applied Linguistics is a four-semester programme with 4 papers per semester, in addition to two Foundation Courses one each in first two semesters. The compulsory courses cover: Phonetics, Phonology, Morphology, Syntax, Semantics, Language Teaching & Testing, Translation Studies, Computational Linguistics, Historical Linguistics, Psycholinguistics and Sociolinguistics. The electives offered include: Formal Semantics, Word Formation, Advanced Topics in Sociolinguistics, Advanced Computational Linguistics, Machine Translation, Computational Lexicography, Linguistics and Literature, Analytical Techniques, Structure of Selected Indian languages, Advanced Syntax, etc.

I.M.A. in Language Sciences: This ten-semester programme trains students in Humanities in the emerging areas of Computational Linguistics, Language Technology and Cognitive Linguistics among others. The course is offered through the College for Integrated Studies.

M.Phil. in Applied Linguistics/Translation Studies: Courses are offered for a maximum period of three semesters. Out of which the first semester is for Course work and the other two are for dissertation on topics approved by the Centre.

Ph.D. in Applied Linguistics/Translation Studies As per the UGC 2016 regulations, the official tenure for Ph.D. is a maximum of 6 years (8 years for women and differently-able candidates). The students need to fulfil the UGC requirements for successful completion of the programme. The programme consists of two parts- Course work and thesis submission. The course work comprises of four papers (16 credits) spread over 2 semesters. It is followed by submission of a thesis on an approved research topic by the Centre. The nature of the course is tailor-made to cater to the specific requirements pertaining to the research interests of individual research scholars.

Entrance Examination
The pattern of the question paper for the entrance examination 2018 shall be as follows:

(A) **M.A. in Applied Linguistics (100 marks):**

There will be 100 objective type questions spread across five sections:
Section – A: Verbal & Numerical Aptitude   --- 20 marks
Section – B: Analytical Aptitude   --- 20 marks
Section – C: Knowledge of English   --- 20 marks
Section – D: Knowledge of World Languages   --- 20 marks
Section – E: Language Analysis & Solving Problems --- 20 marks

(B) IMA Language Sciences (100 marks):

There will be 100 objective type questions spread across three parts to test

Part –A: Competence in the concerned subject   -- 40 marks
Part –B: Competence in English   -- 35 marks
Part –C: Competence in the current affairs and general knowledge   -- 25 marks
            (For details look under **College for Integrated Studies**)

M.Phil. and Ph.D.
The question paper of M.Phil. and Ph.D. Courses shall consist of 80 marks in two sections, as per the UGC Regulations 2016.

Part A: **40** marks will be on Research Methodology and broadly will be as follows:

Research Methodology: "*The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information*". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.

This part of the Entrance Test will be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: **40 marks** will be on subject concerned.

In addition to this, there will be an interview for 25 marks for those who qualify in the written examination.

Note: 1. The question papers of M.A. M.Phil and Ph.D. are in the objective type and shall be answered in an OMR sheet following the instructions given both in the question papers and the OMR sheet

Faculty

Professors

Panchanan Mohanty, Ph.D. (Berhampur): Language Teaching & Testing, Psycholinguistics, Phonology, Morphology, Sociolinguistics, Language Endangerment Studies, Computational Linguistics, Quantitative Linguistics, Translation Studies.

Gautam Sengupta, Ph.D. (Massachusetts): GB Theory, Philosophy of Language, Computational Linguistics & Formal Semantics and Linguistic Cognition.

K. Subrahmanyam, Ph.D. (Andhra): Paninian Studies, Sanskrit Language and Literature, Telugu Grammar & Literature, Comparative Literature, Translation Studies, Literary Criticism, Lexicography and Semantics, Discourse Analysis and Natural Language Processing. **(Joint Faculty, Dept. of Sanskrit Studies)**

Shivarama Padikkal, Ph.D. (Mangalore): Translation Studies, Cultural Studies, Kannada Language & Literature. **(Joint Faculty, Centre for Comparative Literature)**

J. Prabhakara Rao, Ph.D. (Moscow): Systemic Linguistics and Systemic Typology, Mathematical & Computational Linguistics, Methodology of Linguistics, Translation Studies, Russian Linguistics and Russian as a Foreign Language. **(Head, Centre for Study of Foreign Languages)**

K. Rajyarama, Ph.D. (UoH)**:** Derivational Morphology, Language Teaching & Testing, Machine Translation, Semantics, Syntax, Translation Theory and Practice. **(Head of the Centre)**

Bhimrao Panda Bhosale, Ph.D. (Aurangabad)**:** Stylistics, Linguistics, Applied Linguistics, Poetry, Critical Theory, Translation, Ambedkar Studies, Comparative Literature.

Associate Professors

Gracious Mary Temsen, Ph.D. (Delhi): Syntax, Linguistic Typology, Language Documentation, Khasi Linguistics.

Assistant Professors:
K. Parameswari, Ph.D.(UoH): Computational Linguistics & Machine Translation, Linguistic Divergence.

Sriparna Das, Ph.D. (UoH): Translation Studies, Gender Studies, Literature Studies.

S. Arulmozi, Ph.D. (UoH): Computational Linguistics, Sociolinguistics, Language Analysis.

Morey Dipak Tryambak, M.Phil. (EFLU): Linear and Non-Linear Phonology.

Y. Viswanatha Naidu, Ph.D. (Sweden): Linguistics & Computational Linguistics, Semantic Typology.

Professor (Retired and Re-employed)
G. Uma Maheshwara Rao, M.A. Applied Linguistics (SUNY, New York), M.A. Linguistics., Ph.D. (Osmania): Computational Linguistics & Machine Translation, Historical Linguistics and Remote Genetic Relations in Mongolian, Turkic and Dravidian families, Derivational Morphology, Nonlinear Phonology

Centre for Comparative Literature

The Centre for Comparative Literature, functioning since 1988, aims at providing an interface between literatures and cultures. The Centre offers **M.A.**, **M.Phil.** and **Ph.D.** programmes which encourage a study of systems of knowledge in order to develop a critical awareness of socio-political and cultural discourses.

Programmes of Study:
The **M.A.** in Comparative Literature is a four-semester programme and each semester carries 16 credits, apart from two foundation courses in the first year. There is continuous evaluation followed by semester-end examinations. The programme allows a choice of elective / optional courses and also a research-oriented project-dissertation in the fourth semester. While the programme traces the history of the discipline and the development of methodologies, it also emphasizes Translation Studies and Cultural Studies as tools to engage with literatures and cultures.

The **M.Phil.** in Comparative Literature is for a maximum of three semesters, including course-work and dissertation. The first semester course-work, of compulsory / elective / optional courses for 16 credits, has continuous evaluation and a semester-end examination. By the end of the second / third semester, the student is required to submit a dissertation, written under faculty guidance on an approved topic, as per the rules and regulations of the Centre/University.

The **Ph.D.** in Comparative Literature extends over a minimum period of two years. The nature of the programme is decided by the student in consultation with faculty, but the requirements invariably include course-work comprising 16 credits and a thesis on an approved topic under faculty supervision.

Medium of Instruction:

Applicants should note that the medium of instruction in the Centre is English, and, hence, should ensure that they have a good knowledge of English to follow the lectures and actively participate in curricular activities.

Entrance Examination:

The entrance examination for **M.A.** will carry **100 marks**, comprising questions of objective type that will test the candidate's language / analytical / reasoning skills as well as awareness of Indian / world literatures, literary criticism / theory and contemporary trends / movements.

The entrance examination for **M.Phil. / Ph.D.** will carry **80 marks** and consists of objective type questions that will test the candidate's knowledge of Indian / world literatures, comparative / literary / cultural theories as well as language proficiency and analytical / reasoning / research capabilities.

Applicants for the **M.Phil.** programme must submit along with the application a brief description (about **500 words**) of their proposed topic of research. Applicants for **Ph.D.** admission must submit along with the application a brief description (about **750 words**) of their proposed topic of research.

Short-listed **M.Phil. / Ph.D.** candidates have to appear for an interview (**25 marks**), with copies of their research proposal, on dates notified by the Centre/University. **For more information: www. ccluoh.in**

Note: There will be no admissionsin M.Phil.& Ph.D. in Comparative Literature for the academic year 2018-19.

Faculty
Professor

M.T. Ansari, Ph.D. (EFLU, Hyderabad) – Cultural Studies; Criticism and Theory; Kerala Studies; Minority Discourse.

Associate Professor

Sowmya Dechamma C.C., Ph.D. (University of Hyderabad) – Indian Literatures, Translation Studies, Kodava Language and Cultural Discourse.

Assistant Professor

J. Bheemaiah, Ph.D. (Osmania University, Hyderabad) – Dalit and Tribal Studies; Indian Literatures; Literature of the Margins; Culture Studies.

Department of Sanskrit Studies

Sanskrit is a repository of unlimited invaluable knowledge of Ancient Indian Heritage. There is an urgent need for knowledge mining from Ancient Sanskrit texts for bridge building between the past and the future through the present. Keeping this in view, a unique research oriented Department of Sanskrit Studies was established in 2006 which will act as an interface between Sanskrit and the sub-fields of the Humanities, Social Science and the Sciences.

Vision Statement
- The Department acts as a platform for a new generation of scholars in Sanskrit and Science to emerge as a world class interdisciplinary teaching and research oriented department.

Mission Statement
- To build bridges between the Ancient Indian knowledge systems and the current knowledge systems.
- To explore Ancient Sciences and Technologies with a modern perspective to build alternate viable systems for the future.
- To train traditional scholars in order to undertake research in application oriented knowledge mining.
- To collect, preserve, and maintain the manuscripts dealing with Ancient Indian Sciences and Technology.

Ph.D. Programme

The Department offers a Ph. D. program in Sanskrit Studies. While the present focus of program is in Language Technologies and Ayurveda, the Department encourages research in Sanskrit Studies in other

disciplines such as Physical Sciences, Social Sciences, Management, etc. The Ph.D. Program extends over a minimum period of two years from the date of confirmation of admission. The nature of each course is individually decided for each candidate, which will include minimum three courses and a dissertation on an approved topic under the Faculty guidance.

The candidates admitted to Ph.D. programme in the department will be governed by the following rules:

1. All candidates admitted to Ph.D. in the department, whether full time, part time or external, are required to complete a course work of 03 courses of 4 credits each within a period of 01 year from the date of admission. The admission is provisional which is subject to confirmation on successful completion of the course work.

2. In case a candidate is unable to pass in all the 03 courses within 01 year, his/ her admission stands automatically cancelled.

3. Out of the 03 courses, 02 courses are core papers and 01 is elective. The Choice of 2 courses is decided by the Research Advisory Committee of the candidate concerned from among the list of approved courses by the Board of Studies.

4. Examinations will be conducted twice a year, i.e., in October/ November and April / May.

5. On successful completion of the four papers, the provisional admission will be confirmed.

The goal of Language Technologies discipline is to 'train Sanskrit Scholars in the emerging field of Sanskrit Computational Linguistics showing the relevance of traditional śābdabodha theories to the field to computational Linguistics, thus bridging the gap between the past and the present.' During the course, the student will be exposed to the basics of mathematics, statistics, logic, computer programming and NLP in addition to the exposure of linguistics and strengthening their base of Vyākaraṇa.

The goal of Ayurveda discipline is to conduct literary research in Ayurveda to redefine the concept of 'svāsthya' while establishing an interdisciplinary dialog between Sanskrit, philosophy and medical science. Students are trained to work in Indian psychology, linguistic aspects of Ayurveda samhitās, translation related problems and encouraged to generate data useful for pre-clinical research, based on original texts.

Entrance Examination

Ph.D.: The question paper of Ph.D. programme shall consist of 80 marks in two sections, as per the UGC Regulations 2016.

Part A:- 40 marks. Questions will be on Research Methodology and broadly will cover the following topics. Research Methogology in Ancient Indian texts, Qualitative methods, Data interpretation, Aptitude and Logical Reasoning. This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR/ JRF exam.

Part B:- 40 marks. Questions will be on the subject concerned, with objective type questions.

In addition, there is an Interview for **25** marks for shortlisted candidates.

PG Diploma in Sanskrit Computational Linguistics

The Department of Sanskrit Studies introduces a new programme "PG Diploma in Sanskrit Computational Linguistics" **under the Innovative Scheme of UGC from 2014-15.**

The goal of this programme is to "Train Sanskrit Scholars in the emerging field of Sanskrit Computational Linguistics showing the relevance of traditional sabdabodha theories to the filed to Computational Linguistics, thus bridging the gap between the past and the present."

During the course, the student will be exposed to the basics of mathematics, statistics, logic, computer programming and NLP in addition to the exposure to the linguistics and strengthening their base of Vyakarana.

Entrance Examination

The entrance examination for **PG Diploma in Sanskrit Computational Linguistics** consists of two parts - Part '**A**' and Part '**B**'.

Part 'A' **consists of 30 objective type questions (30 marks). The questions will be on Vyakarana linguistics and general Sansksrit. There will be negative marking for this part, and0.33 marks will be deducted for each wrong answer.**

Part 'B' **will have two sub-sections. The first sub section consists of 3 short answer type questions (15 marks) and the second sub section involves essay type questions (30 marks) from Vyakaran. The purpose of examination is to test the understanding of concepts rather than mere memorization.**

Faculty
Professor

Amba P. Kulkarni, M.A. (Sanskrit), M. Sc. (Maths), M.Tech. (CSE, IIT, Kanpur), Ph.D. (Applied Linguistics, University of Hyderabad) – Bridging the gap between Science and Technology in Sanskrit texts and the Modern Science and Technology, with special emphasis on Language Technology, Computer Science and Mathematics. (**Head of the Department**)

J. S. R. Prasad, Acharya (Navya-Nyaya), Shiksha-Sastry, Ph.D. (Navya-Nyaya, Rashtriya Sanskrit Vidyapeetha, Tirupathi) Philosophical, scientific and linguistic aspects of Ayurveda, Nyaya-Vaiseshika. Other interests include, Indian psychology, Ayurvedic concepts in Sanskrit literature, Science and Technology in ancient India.

Joint Faculty

K.N. Murthy, Ph.D. (Hyderabad) – Natural Language Processing especially grammars and parsing systems. Tools for language teaching and language learning. Other interests include Yoga, Ayurveda and the Darshanas.

Centre for English Language Studies (CELS)

The Centre for English Language Studies caters to a diverse group of students across disciplines and is emerging as a research and resource centre for language studies. The Centre offers M.A, M.Phil. and Ph.D. programmes in English Language Studies. English language education and other aspects of language study, such as linguistics and history of English in India, are some focal areas. The Centre is also engaged in the teaching of English at the Centre for Integrated Studies for Integrated Masters

students, besides offering need-based courses on Academic Writing, Communication Skills and Technical Writing to students at the postgraduate and research levels.

The research interests of the faculty at the Centre span several areas of language studies and aspects of pedagogy. The faculty of the Centre publish in areas pertaining to their research interests and are part of ongoing research projects.

Programmes of Study:

The **M.A.** in English Language Studies was introduced in the academic year 2017-2018.

Intake: 18

The programme extends over four semesters and has a minimum of 70 credits. Apart from the core courses, the programme has elective courses which are offered in the third and fourth semesters. Students are encouraged to opt for courses outside the centre as well.

The **M.A.** programme covers a wide range of areas in the field of English Language studies. It has courses drawn from Linguistics, English Language Teaching, Sociolinguistics, Pedagogy, etc. The electives offered enable the students to specialize in specific domains like language teaching, corporate communication, technical writing, editing, etc.

M.Phil. is a three-semester programme which includes course work of 12 credits and a dissertation. The courses relate to each candidate's area of interest in which the dissertation will be written, and two core areas of study. The programme includes written examinations for the course work. The dissertation is written on a topic approved by the Centre and under the supervision of a faculty member. Scholars are expected to give a pre-submission seminar on their research work. The dissertation is evaluated by both internal and external examiners.

The **Ph.D.** programme normally extends over a minimum period of two years from the date of admission. The programme comprises mandatory course work of 12 credits spread over the first and second semester, geared to individual requirements. Course work will vary according to whether a candidate has an M. Phil degree or not. Scholars are required to write a thesis on an approved topic under the supervision of a faculty member. The thesis is examined by internal and external examiners and is followed by a viva voce. During the period of research, scholars are required to give seminars on their "work in progress" every semester.

Entrance Examinations:

M.A: 100 marks

The **M.A.** Entrance Examination has the following components:

Section A: 25 Marks
Twenty five multiple-choice questions testing English language proficiency.
(Negative marking—0.33 deducted for every wrong answer; no marks deducted for questions not attempted)
Section B: 50 Marks
Multiple-choice questions on basics of Linguistics and ELT, and questions testing analytical ability. (No negative marking)
Section C: 25 Marks   Essay on a general topic.

M.Phil. and Ph.D.

The question papers of M.Phil. and Ph.D. programmes consist of 80 marks in two sections, as per UGC Regulations 2016. Part A (40 marks) will be on Research Methodology and will test along following lines:

Research Methodology: *The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information, besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be along the lines of Paper-I/Part-I of the UGC-CBSECSIR JRF exam.

Part B: 40 marks will be on subject concerned.

In addition, there is an Interview for **25** marks for shortlisted candidates.

Other information:
i) *Applicants for admission to the M. Phil programme must submit, along with the application, a brief description (about 500 words) of their proposed topic of research.*
ii) *Applicants for admission to the Ph.D. programme must submit, along with the application, a brief description (about 1000 words) of their proposed topic of research.*

Faculty:
Professors
Pingali Sailaja, Ph.D. (CIEFL, Hyderabad); Phonetics, Phonology, Morphology, Sociolinguistics, World Englishes, Indian English, English Language Education, Testing and Assessment, English in India: Historical, Educational and Linguistic aspects. **(Head of the Centre)**

Sunita Mishra, Ph.D. (CIEFL, Hyderabad); Politics of English Language Education, Sociolinguistics, Discourse Studies, Critical Pedagogy, History of English Language Teaching in India, especially Odisha, and Indian Philosophy of Language
Assistant Professors
Shree Deepa, MA English (Osmania), M.Ed., (Bharathidasan University); PGDTE (CIEFL); PhD English (Osmania); English Language Teaching, Stylistics, Education, Inclusive Education, Critical Thinking.

Jyothi Hymavathi Devi, M.Phil Translation Studies (University of Hyderabad); English Language Teaching, Translation Studies, Research Methods, Education, Inclusive Education, Psychology of Language Learning.

Jasti Appa Swami, Ph.D (Osmania); Academic Writing, Discourse Studies, Genre Pedagogy, Systemic Functional Linguistics, Professional Communication, Corpus Applications to Language Learning and Teaching.

Joy Anuradha, Ph.D. (CIEFL, Hyderabad); Linguistics, Stylistics, Psycholinguistics, English Language Education, Communication and Soft Skills.

Centre for Dalit & Adivasi Studies and Translation
The Centre was established in June 2011 with the aim to prepare an atmosphere of National Integrity and emotional binding with the marginalized communities, mainly the Dalits & Adivasis through teaching of language and literature, its research and its translation into Hindi. The translation of literary

texts from Indian languages into Hindi and further studies and the research based on them would be giving Hindi an opportunity to fulfill its role as the National Language and the link Language of our country in its true sense.

The Centre gives emphasis on teaching and research and translation of the Dalit and the Adivasi languages and literature, parallelly. Hence, the objective of the Centre is to collect the oral traditions (memory bank) & performance, arts, paintings and handicrafts of the Dalit & Adivasi culture and life style. There will be field work also. The Centre offers M.Phil and Ph.D. programme in Hindi medium.

Programmes of Study

M.Phil.

The M.Phil. programme is a three-semester programme. In the first semester the students will be offered four courses with 04 credits each, the fourth course being a practical course. In the second semester, the student will write a dissertation on a topic approved by the Centre, under the supervision of a Faculty member. Candidates have to give a pre or post-submission seminar on their research topic.

Ph.D. Programme

The Ph.D. programme normally extends over a minimum period of two years from the date of admission. In the first two semesters the candidate will be offered four courses with 04 credits each, the fourth course being a practical course. After completion of the First semester, the student will be required to write a thesis on an approved topic in the areas of Dalit & Adivasi Studies under the guidance of a faculty member. After submission of the thesis the candidate has to attend an Oral examination.

Entrance Examinations:

M.Phil and Ph.D.

The question paper of M.Phil. and Ph.D. courses shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks will be on Research Methodology and broadly will be as follows:

Research Methodology: "*The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information*". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSECSIR JRF exam.

Part B: 40 marks will be on subject concerned.

The Written Test comprises of 20 marks on objective questions on the History of Hindi language and Literature, Indian Dalit & Adivasi Literature and Translation and 20 marks for descriptive questions on proposed area of research and Indian Dalit & Adivasi Literature and Translation.

In addition, there is an Interview for **25** marks for shortlisted candidates.

Note: There will be no admissions for M.Phil. & Ph.D. during the academic year 2018-19.

Faculty

R.S. Sarraju (**Head I/c of the Centre**)

Centre for Endangered Languages and Mother Tongue Studies (CELMTS)

Many tribal and minor speech communities in the world are reported to be abandoning their mother tongues at an alarmingly fast rate. Given the interrelationships and situations of life, it is both crucial and exigent that effective and sustained efforts are initiated to organize research, revitalization and documentation of the wealth of our ethnic and indigenous languages (along with the cultures) which are the mother tongues of most of the disadvantaged peoples in this country. In fact, scholars predict that out of approximately 6500 languages spoken in the world today, half of these are at the risk of disappearing by the end of this century. There are 196 endangered languages in India according to the UNESCO report and it is the highest in any single country in the world.

The Centre for Endangered Languages and Mother Tongue Studies (CELMTS) (set up in 2010) of University of Hyderabad is the first Centre established in an educational institution in India for the study of indigenous and ethnic languages.

The Centre has already started research and documentation activities on a number of tribal and ethnic languages which are in process of getting extinct for which it has acquired visibility across the world. The Centre's activities aim at sensitizing the prospective students regarding the importance of conservation of the utterly neglected minor and ethnic languages and cultures which have contributed significantly to the formation and growth of the linguistic and cultural foundations of this country. It has been emphasized by the UNESCO in a number of its documents that conservation of biodiversity crucially depends on the conservation of linguistic diversity. Needless to state that linguistic diversity can be conserved only if the native languages and mother tongues are maintained as this will lead to additive multilingualism which India is advocating for ages.

Faculty

Panchanan Mohanty (Head), Ph.D. in Linguistics (Berhampur University) – Professor, Centre for Applied Linguistics and Translation Studies, UoH - Language Endangerment Studies, Language Teaching and Testing, Psycholinguistics, Phonology, Morphology, Language Typology, Computational Linguistics, Quantitative Linguistics, Translatology, Translation Studies, Sociolinguistics.

Centre for Buddhist Studies

Centre for Buddhist Studies, established on August 8, 2009 is an exemplification of the University's magnanimous vision that affirms the *raison d'ètre* for its creation and affirms the specific requirements of the subject with its interdisciplinary and highly technical and specialized character that demands greater attention and autonomy for its growth. The Centre is first of its kind not only in South India but in the entire country for its objectives to conform to all international standards in Buddhist researches and teachings with focus on Original Buddhism based on the primary sources in Pali. The Centre has also received the grant from UGC under the Epoch Making Social Thinkers of India Project.

Programmes of Study
The Centre has introduced Ph.D. programme in Buddhist Studies since July, 2010. The admitted candidates are required to pass the compulsory course work component comprising four papers, each being a 4-credit course vide the guidelines of UGC, which is a prerequisite for submission of the thesis for examination on a topic approved by the University. The Ph.D. examination is conducted as per the University rules.

As there are no permanent faculty members in the Centre, it has been decided that there will be no admissions in the Ph.D. programme during 2018-19.

Prof. Panchanan Mohanty, Professor, Centre for Applied Linguistics and Translation Studies is the Head of the Centre

School of Social Sciences

The School of Social Sciences comprises the following Departments and Centres.

Departments
1. Department of History
2. Department of Political Science
3. Department of Sociology
4. Department of Anthropology
5. Department of Education and Education Technology

Centres
1. Centre for Regional Studies
2. Centre for Folk Culture Studies
3. Centre for Study of Social Exclusion and Inclusive Policy
4. Centre for Study of Indian Diaspora
5. Centre for Knowledge, Culture and Innovation Studies
6. Centre for Human Rights
7. Centre for Ambedkar Studies
8. Centre for Women's Studies

All the Departments (Anthropology History, Political Science and Sociology) have been recognised by the University Grants Commission for the Special Assistance Programme and the Dept. of Political Science as the Centre for Advanced Studies.

An Archival Cell with the support of the UGC is functioning under the auspices of the Department of History for preservation of rare and valuable manuscripts.   The Department of Anthropology has developed a Museum as teaching aid for the students.   The Centre for Folk Culture Studies has an Audio Visual Archival containing the Centre's field work, documenting films etc., The Centre for the Study of Indian Diaspora has a special library consisting of historical material (diasporic literature) collected from different parts of India.   All the Departments are equipped with internet facilities.

From the Academic Year 2007-2008 the School of Sciences has started 5-Years Integrated Programme in Social Sciences leading to Masters Degree in History, Political Science, Sociology and Anthropology. For the first three years the students admitted to the programme do courses offered by various departments in the School and other Schools in the University conducted at the Centre for Integrated Studies At the end of three years, students are transferred to their parent departments namely, Departments of History, Political Science, Sociology and Anthropology.

From the Academic Year 2018-19, the School of Social Science under the Department of Education and Education Technology (DEET) is offering M.A. Education, Ph.D. in Education and M.Ed. Programme. **(Note: M.Ed. Programme – subject to getting approval from NCTE)**

Prof. P. Venkata Rao, Department of Anthropology is the **Dean of the School**.

Department of History

The Department of History offers courses leading to **M.A., M.Phi.l and Ph.D.** degrees It also offers 10 courses in history for the first three years of IMA (5-year integrated) programme in Social Sciences. Its teaching programme is designed to provide students with a broad overview of world history narrowing down to focus on the history of India with special emphasis on socio-economic history, science & technology, environment and cultural history.

There is a twofold aim of all research activities in the Department: a) Widening the database in its studies of local and regional history, and   b) introducing an interdisciplinary approach to understand the underlying social and economic realities of the history of India through the ages. The Department has also been involved in guiding research on North- East India, science & technology, environment, medicine, economic history, maritime history, women's history, Indian national movement, peasant and tribal movements, cultural history and contemporary history

Programmes of Study

The **M.A.** course is a two year programme consisting of 16 courses spread over four semesters, with four courses per semester. The main thrust of the first two semesters is to equip students in certain core compulsory courses in both Indian and non-Indian history. These are designed to be comprehensive and to introduce students into the various interpretative dimensions of understanding the history of human civilization with a focus on India. During semesters III and IV a wide range of special courses as optional are offered by the Department thus providing an opportunity for students to specialize in specific areas of Indian history. Students also have an opportunity to do at least two courses outside the Department during their third and fourth semesters with the aim to encourage inter-disciplinary studies.

 The **M.Phil** course covers three semesters including dissertation, extendable by one semester. During the first semester, three compulsory courses have to be done by the students. The focus is on issues of historical interpretation and method. One of these is an intensive introduction to the problem being researched by the individual student leading in the following semester to the writing of a dissertation under the guidance of a faculty member on an approved topic.

 The **Ph.D** programme is mainly a research programme. Those students admitted directly without M.Phil degree are required to do the course work and pass the examinations conducted by the Department. Students undertake research on an approved topic under the guidance of a faculty member.

Infrastructural Facilities:
 Under the support from the Special Assistance Programme of the UGC, the Department has been able to purchase a large number of books on most of the recent writings on history. Under the UGC Programme of Universities with Potential for Excellence (UPE) the Department procures and strengthens infrastructural facilities. It has also been able to support the subscription of several foreign and Indian journals in the discipline of History. The Archival Cell in the Department contains several private papers of individuals who participated in the freedom movement. The Department has an archaeological museum containing antiquities representing artifacts from stone ages to late medieval period.

Computer Lab for students of MA, M.Phil and Ph.D:
The Department of History has a Computer Laboratory with 12 computers and a printer. All the students of the department may use the lab with free internet access.

Entrance Examination:

M A (History): The entrance examination will be of 100 marks. It will consist of 100 multiple choice questions of one mark each. Students will be tested on their knowledge of Indian history and World history.

M.Phil. and Ph.D. The Entrance Exam would consist of essay type questions. 50% of the questions would be on Historical Methodology and rest on different periods of Indian History.

The question paper of M.Phil. and Ph.D. courses shall consist of 80 marks in two sections. Part A – 40 marks will be on Research Methodology and broadly will be as follows :

Research Methodology : *"The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 40 marks, will be on subject concerned (consist of questions on Indian History)

There is an Interview for **25** marks for shortlisted candidates.

FACULTY:

Professors

R L Hangloo: Ph.D. (JNU, Delhi)- Medieval Indian History with special reference to Medieval Indian State, Medieval Indian Economy and Technology, History of Kashmir and Central Asia (**currently on deputation**).

Atlury Murali: Ph.D. (JNU, Delhi)- Social and Cultural History of Colonial India with special reference to Freedom Struggle, Peasant Movements, Women's Studies, Environmental Studies and History of Computers, Science Technology and Medicine.

K P Rao : Ph.D. (Nagpur) - Field Archaeology, Pre and Proto History, Ancient Indian History, Iron Age, Megalithic Culture and Ancient Trade

Rekha Pande: Ph.D. (Allahabad)- Medieval Indian History, Women's History, Cultural History, History of Medieval Science & Technology, Socio and Religious History, Women's Studies.

Rila Mukherjee: Ph.D. (Paris) - Economic History of South Asia, Early Modern European History, Democracy and Citizenship Studies, Maritime and Oceanic History, Historical Cartography

Sanjay Subodh: Ph.D. (Chandigarh) – Medieval Indian Historiography, Science and Technology, Medieval Archaeology **(Head of the Department and Director, College for Integrated Studies).**

Bhangya Bhukya: Ph.D. (Warwick, UK) - Modern Indian History. His research interests are community histories, the effects of power/knowledge, governmentality and dominance, the state and Nationalism, intellectual histories of subaltern communities, identity politics by forest and hill people in the nineteenth and twentieth century.

Associate Professors

Y Swarupa R Shankar: Ph.D. (Hyderabad - Modern Indian History, Social and Cultural History of South India, Women's History, Historiography.

Anindita Mukhopadhyay: Ph.D. (London) - Modern Indian History, Modern Western Ideas and their impact, Law and Society, Society and Culture.

B Eswara Rao: Ph.D (IIT Madras)- History of science, Technology and Medicine, Environmental History.

V Rajagopal: Ph.D. (Wisconsin) – Modern Indian History, Social History, History of South India.

Assistant Professors

M N Rajesh: Ph.D. (JNU, Delhi) - Medieval Indian History, Socio- Religious Movements and Polity in South India and the Deccan, Tibetan History and Culture.

Rashmi: Ph.D. (JNU, Delhi) - Medieval and Early Modern Indian History, Urban History, Cities and Maritime History.

V J Varghese: Ph.D. (Hyderabad) - Modern Indian History, Modern Kerala, Making of Modern Subjectivities, Regional Modernities, Transnational Migrations.

Vijaya Ramadas M: Ph.D. (Manchester)- Modern Indian History, Environmental History

Department of Political Science

The Department of Political Science is recognized as a Centre of Advanced Studies by the UGC. The Department completed UGC-Special Assistance Programme (DSA-III) on the thrust area- Globalization, State, Civil Society and Governance Interface. Started in 1979, the Department now has 19 Faculty and has approximately 300 students. The Department offers courses leading to I. M. A., M. A., M.Phil. and Ph. D. degrees.

Programmes of Study

The M.A. programme in Political Science consists of 16 courses (8 core courses and 8 optional courses) spread evenly over four semesters. Each course carries four credits. In addition, students must complete 2 foundation courses, (three credits each) in the first two semesters. In formulating the programme, the Department is guided by the consideration that at the post graduate level, students should be familiar with all the sub-disciplines, trends, approaches, and paradigms of Political Science. With this in view, the Department offers core courses on Political Thought, Comparative Politics, International Relations, Indian Political Process, Public Administration and Public Policy. These courses attempt to acquaint students with the latest theoretical and political trends. The curriculum is regularly changed so as to be contemporaneous, relevant, innovative and useful. After completing 8 core courses in the first two semesters, students are required to choose 8 optional courses, 4 each in the third and fourth semesters. These not only supplement the courses that they did in the core areas but also offer students opportunities to study frontier areas like Dalit Politics, Women's Movements, Governance, Policy Studies, Indian Political Thought, India's Foreign Policy and Globalization. Students can also opt for 2 courses offered by other departments as optionals in the second year. The foundation courses are designed to enhance skill sets in general.

The M.Phil. Programme is for three semesters. Students are required to devote the first semester to course work, which consists of two courses in Research Methodology and one course in the field of student's research interest (directed by the Supervisor). Each course carries four credits. In the following semesters, students are required to present their research proposals and write a dissertation on an approved topic under the supervision of a faculty member and research advisory committee. The committee consists of the supervisor and a faculty member and meets at least once a semester. All M.Phil students are required to defend their theses in a post-submission seminar and viva-voce.

The Ph.D. programme is for ten semesters. Students are required to write a thesis on a topic approved by the Department. Students will work with their supervisors and doctoral research committees in researching and writing the theses. Each semester, they must secure a satisfactory report from the doctoral committee to register. They will be required to present and defend their research proposals in a seminar organized by the Department. Doctoral students are encouraged to present their work-in-progress at least once during their tenure in the Department. All Ph. D. students are required to defend their theses in a pre-submission seminar and viva-voce. Students who do not have an M. Phil degree with course work on research methodology will have to do the course work as part of their Ph. D. programme.

Faculty

Professors

Prakash C. Sarangi, Ph.D. (Rochester) – Political Theory, Comparative Politics.
I. Ramabrahmam, Ph.D. (Hyderabad) – Public Policy, Governance, Higher Education and Training.
Arun Kumar Patnaik, Ph.D. (JNU) – Political Theory, Political Economy of Development.
Jyotirmaya Sharma, M.A.(Hull) – Political Philosophy/Theory, Indian Political Thought.
K.C. Suri, Ph.D. (JNU) – Indian Political Process and Public Policy
Vasanthi Srinivasan, Ph.D. (Ottawa) – Political Philosophy, Comparative Politics, Indian Political Ideas **(Head of Department).**
Sanjay Palshikar, Ph.D. (Poona) - Political Theory, Indian Political Process.
Prithvi Ram Mudiam, Ph.D. (London) – International Relations, Indian Foreign Policy, South Asian Politics, International Political Economy.
Manjari Katju, Ph.D. (London) – Indian Political Process, Politics of Hindu Nationalism, Women's Studies. (On EOL till 30.06.2018)
Kham Khan SuanHausing, Ph.D. (JNU) Federalism, Nationalism, Ethnic Conflict, Indian Politics, Northeast India.
R. Ramdas, Ph.D. (JNU) – Indian Political Process, Tribal Development, Comparative Politics.

Associate Professors
B. Chandrasekhara Rao, M.A. (Andhra) - Comparative Government and Politics, Indian Government and Politics, Chinese Studies, Dalit Politics.
K.Y. Ratnam, Ph.D. (JNU) – Indian Political Process, Dalit Politics in India, Democratic Process in Andhra Pradesh.
Venkatesu. E., Ph.D. (University of Hyderabad) – Democratic Decentralization and Governance, Good governance, Public Policy, Backward Class Politics and Political Process in India.
K. K. Kailash, Ph.D. (JNU) – Indian Political Process, Comparative Federalism, Party Politics.

Assistant Professors
Biju. B. L., Ph.D. (University of Kerala) – Political Theory, Indian Political Process, Politics of Globalization, Society and Politics in Kerala.
Shaji. S., Ph.D. (University of Hyderabad) – International Relations, Foreign Policy of India, Foreign Policies of Developing States, Transfer of Technology and International Politics.

AparnaDevare, Ph.D. (American University, Washington D.C.) - Comparative Politics, Historiography, Indian Politics, International Relations Theory, Post- colonial Theory, World Politics.
D. VeeraBabu, Ph.D (Osmania University, Hyderabad)—Public Policy

Entrance Examination and Interview
M.A.: The written test for admission to M.A. Political Science consists of 100 questions of multiple-choice (1 mark each) that test the general knowledge, subject specific knowledge, and passage comprehension abilities of the candidate. The candidate must answer in the OMR sheet.

M.Phil and Ph.D: The question paper of M.Phil. and Ph.D. shall consist of objective type questions for 80 marks. It will consist of Part A and B. The candidate must answer in the OMR sheet

Part A – The questions will cover research methodology.Research Methodology would broadly comprise theory and concepts, approaches, and empirical analysis including interviews, surveys and other research techniques, and could include both present and historical information. It would also include Quantitative and Qualitative methods, Data interpretation, Aptitude and Logical Reasoning.
Part B –The questions will cover subject specific knowledge in Political Theory, International Relations, Comparative Politics, Indian Government and Politics, and Public Policy/Public Administration.

Candidates shortlisted in the qualifying exam will be called for an interview. The interview is to assess the knowledge of students in their areas of research interest, based on their **research proposals, which must be submitted to the interview board at the time of the interview**. The topic of research, hypotheses/research questions, goals or objectives of the study, statement of the problem and methods should be clearly written in the proposal. This is an essential requirement to interview the candidates for selection. Candidates are advised to bring proofs of additional qualifications such as JRF/M.PHIL certificates and publications if any.

While the interview focuses on the research proposal and subject knowledge, some weightage is given for performance in written test, fellowships/M.Phil etc. Once admitted, students may be asked to modify or adapt their research proposals according to the supervisory expertise available in the department.

Department of Sociology
The Department, started in the year 1979, has grown over the years to be one of the important centres of sociology teaching and research in the country. While emphasizing topics and themes central to the discipline, the Department's teaching and research activities have been oriented towards contemporary questions that have both basic and applied dimensions. The academic activities of the Department have a unique disciplinary and interdisciplinary orientation, designed to guide and support student development as independent learners as well as to inspire them to critically engage with policies, issues, and social action. The Department has had a Special Assistance Programme supported by U.G.C. for the last 20 years starting from 1995. The current phase of the Programme is DSA Phase II in the thrust area: Development and Challenges in the context of globalizing world. The learning ambience of the department is both informal and rigorous, being geared towards promoting a critical spirit of inquiry among students. The structure and content of our courses are meant to give a grounding that not only prepares students for future studies in sociology/social science, but also offers the benefits of learning to work in a constructive way in other areas of life.

Programmes of Study
Three programmes of study are offered leading to the **M.A., M.Phil. and Ph.D**. degrees in Sociology. The Department also participates in the Five Year Integrated Master's Programme in Social Sciences by offering a variety of courses at the Centre for Integrated Studies. At the end of three years, students in the Integrated Master's Programme have the option to join the Department with the regular M.A. students, subject to some conditions. The courses offered by the Department under the auspices of the Integrated Master's programme are the following: Introduction to Study of Society; Changing Indian

Family; Equality and Inequality; Caste in Modern India; Rural and Urban Societies; Roots of Social Protest; Contemporary Development Issues; Religion and Society; Introduction to Social Research; and Work and Organizations.

The M.A. Programme in Sociology is a four-semester programme spread over two years, and consists of ten compulsory courses and six optional courses. Both the compulsory and optional courses are of four credits each. Students are allowed to take up to three of the six optional courses from other departments, subject to the permission of the Head of the Department.

The Compulsory Courses for **M.A.** are the following : Classical Sociological Theory; Research Methods I - Survey Research and Basic Statistics; Society in India: Approaches; Society in India: Contemporary Issues; Knowing the Social World; Modern Sociological Theory; Research Methods II - Qualitative Research Methods; Social Stratification; Sociology of Development; and Political Sociology.

Some of the following **Optional Courses for M.A**. are: Sociology of Gender; Rural Society and Agrarian Change; Law, State and Society; People, Nation and State; Industrial Relations and Contemporary Capitalism; Urban Sociology; Science, Culture and Society; Technology, Culture and Society; Sociology of Organizations; Environmental Sociology; Sociology of Culture; Social Movements; Decentralized Governance and Development; Society and Sexuality, Sociology of Health, Sickness and Healing; Sociology of Education; Ethics and Society; Debating Ethnicity and Race; Sociology of Business, Industry and Labour; Indian Diaspora, Sociology of Backward Classes, Sociology of Communication, Social Theories, Modernities & Politics of Geography; Modernity and Modernization. The Department will announce which of these optional courses will be offered every semester. The contents of most of these courses are available on the University Website.

The **M.Phil**. Programme is a preliminary research degree. . The course work during the first semester consists of two compulsory courses in Advanced Sociological Theories and Research Methodology, and one Optional Course in the broad area of research in which the dissertation is planned. The M.Phil dissertation is expected to be completed before the end of the third semester, although students could also complete it by the end of the second semester. The examination of M.Phil course includes dissertation evaluation and an open house Viva Voce examination. The entrance examination will be held in English.

The **Ph.D.** Programme is a full- time research programme covering a minimum of two years. Those Ph.D. students who have not done M.Phil coursework will have to do the coursework in Sociological Theories, Research Methodology and one Optional Course in the broad area of research in which the dissertation is planned. The examination pattern of Ph.D. course includes thesis evaluation and an open house Viva Voce examination. The progress of the research candidate is monitored by a Doctoral Committee convened and authorized by the respective supervisors. The entrance examination will be held in English.

Entrance Examination

The **M.A.** entrance examination will be based on OMR. The components of entrance examination question paper will be Comprehension 30 marks; Arithmetic & Reasoning 25 marks; Literary Passage 20 marks; and Current Affairs 25 marks.

The **M.Phil** entrance written test will be partly based on objective type OMR questions and partly on substantive writing. The qualifying marks are 50% in the entrance test which will be based on M.A. level Sociological Theory and Methods, both in the wider context of the discipline and in the specific context of India. Only the qualified candidates will have to appear in the interview. Candidates have to

bring a written research proposal for the interview and answer questions on theory, methodology and area of proposed research interest.

The **Ph.D.** entrance test will be partly based on objective type OMR questions and partly on substantive writing. The qualifying marks are 50% in the written test which will examine candidate's knowledge of Sociological Theory and Methods. Ph.D. candidates will be interviewed on the general area of specialization indicated by them and their M.Phil. work if applicable. The qualified candidates will have to appear in the interview. Candidates have to bring a written research proposal for the interview and answer questions on theory, methodology and area of proposed research interest.

Admitted Ph.D. candidates may be required to undertake course work, if recommended by the Department. The candidates seeking admission to the Ph.D. programme must submit with their application, an outline of their research proposal bringing out specific theoretical and methodological approaches to be employed.

Professors
Sasheej Hegde, Ph.D. (Bangalore University) – Philosophy of Social Science, Social and Political Theory, Law and Ethics, and Indian Sociology/Historiography.

Aparna Rayaprol, Ph.D. (Univ. of Pittsburgh) – Sociology of Gender, Indian Diaspora, Urban Sociology, and Qualitative Research Methods.

N. Purendra Prasad, Ph.D. (Univ. of Hyderabad) – Agrarian Studies, Sociological Theory, Political Economy of Development and Health, Urban Studies (**Head of the Department**).

C. Raghava Reddy, Ph.D. (Univ. of Hyderabad) – Science and Technology Studies, Sociology of Organisations, and Sociology of Disability.

Nagaraju Gundimeda, Ph.D. (Univ. of Hyderabad) – Sociology of Education, and Information Technology and Society.

Associate Professors
Pushpesh Kumar, Ph.D. (Jamia Millia Islamia, Delhi) – Sociology of Gender and Sexuality, & Globalisation and Social Change.

V. Janardhan, Ph.D. (Univ. of Hyderabad) – Sociology of Industrial Relations, Corporate Business and Society, Sociology of Culture, Sociological Theory, Marxism and Capitalism, and Ethics and Society.

Assistant Professors
Satyapriya Rout, Ph.D. (Univ. of Mysore) – Sociology of Environment, Natural Resource Management and Development, and Decentralized Governance.

N. Annavaram, M.Phil. (J.N.U, New Delhi) – Indian Sociology and Classical Sociological Thought.

Hoineilhing Sitlhou, Ph.D. (J.N.U, New Delhi.) – Religion, Culture and Ethnicity Studies.

Nagalakshmi Chelluri, Ph.D. (Univ. of Hyderabad) – Sociology of Organisations, Sociology of Science and Technology.

R. Thirunavukkarasu, Ph.D. (J.N.U, New Delhi.) – Political and Historical Sociology, Social Movements, Ethnicity, Nation and Nationalism.

Department of Anthropology

The Department of Anthropology started functioning from the academic year 1988-89. Over the years the department earned reputation as one of the best departments in the country particularly for the faculty publications, extra mural research grants and academic outreach, besides the number of students qualifying in the NET and for research fellowships by UGC, ICMR, ICSSR and other bodies. The UGC has awarded Special Assistance Programme (SAP) first in the year 2011-12 and the Expert Committee of UGC has also recommended for the 2nd phase. It imparts training both in theoretical and applied research in Anthropology, which equips students to meet the academic challenges in urban/ rural/tribal field studies. Apart from studying ethnographic diversity, the department is oriented towards application of anthropological knowledge to the understanding of social problems and development issues. The department has developed a small museum as a teaching aid for students. Practical training is imparted in Physical and Archaeological anthropology courses.

Programmes of study:

The Department offers **M.A.** programme in Anthropology (Social/Cultural), besides participating in the IMA (Social Sciences) programme and M.P.H. programme under the School of Medical Sciences. The **M.A.** course is a two-year programme and comprises of different courses under the pattern of Choice Based Credit System (CBCS) that has been adopted by the University as per the recommendations of the University Grants Commission (UGC), India. The total credit requirement for M.A is 80 credits of which the department offers 28 credits under 'Foundation Courses', 16 credits under 'Core Electives', and 16 credits under 'Departmental Electives'. The 16 credits under 'Departmental electives' can be earned by choosing any four courses of 4 credits each out of the 12 different courses that the department may offer during the 3rd and 4th semesters of M.A programme. The courses under 'Departmental electives' include: Development Anthropology, Ecological Anthropology, Medical Anthropology, Peasant Society, Economic Anthropology, Anthropology of Communication, Anthropological Linguistics, Natural Resource Management and Livelihood Systems, Kinship and Marriage, Anthropology of Religion, and Business Anthropology. The students can however opt to do more than the required credits under the 'Audited courses', for which the students will be given certificates separately by the Head of the Department. The detailed course outlines of the different courses offered by the Department are available in the University website.

The Department offers seven courses including one compulsory course in the 2nd semester in the IMA (Social Sciences) students. These courses are: 1. Introduction to Anthropology (2nd semester); Indian Civilization (3rd semester); Anthropology of Marginalized Communities (4th semester); Anthropological Understanding of Society and Culture (5th semester); Prehistoric cultures (5th semester); Anthropological Fieldwork (6th semester); and Approaches to Socio-cultural Change (6th semester).

The **M. Phil** programme is for two semesters. The first semester is devoted for course work consisting of two compulsory courses of 4 credits each, viz., 1) Advanced Anthropological Theories and 2) Advanced Research Methods, and one optional course of 4 credits, generally in the broad area of research on which the dissertation is planned. The second (and third semester, if required) is devoted for preparation and submission of M. Phil Dissertation.

The **Ph.D.** is a full-fledged research programme on an approved research topic for a minimum period of two years. Students who are admitted to Ph. D programme directly (i.e., without an M. Phil in Anthropology) are also required to do the course work prescribed for the M. Phil programme.

NOTE: The Department is not offering M.Phil and PhD programme this year due to non-availability of vacant slots with the faculty as per the UGC Regulations, 2016

Faculty
Professors

K.K. Misra, Ph.D. (Utkal) Culture, Environment and Development, Anthropological Thought; Language, Culture and Cognition; Anthropology and Museums; Culture and Gender (Currently on leave and works as Vice Chancellor, Utkal University of Culture, Bhubaneswar, Odisha**)**

P. Venkata Rao, Ph.D.(Andhra) Anthropology of Development, Economic Anthropology, Tribal Studies, Complex Societies, and Ageing. (Dean, School of Social Sciences)

N. Sudhakar Rao, Ph.D (Rochester) South Asian Social Systems, Kinship Studies, Indian Society and Ideology, Religion and Communication.

B.V. Sharma, Ph.D. (Hyderabad) Medical Anthropology; Anthropology of Education; Community participation in Development.

M. Romesh Singh, Ph.D. (Hyderabad) Business Anthropology; Urban Anthropology, Anthropology of Development and Tribal Development Studies. **(Head of the Department)**

Associate Professors

George Tharakan C, Ph.D. (Hyderabad) Kinship Studies; Theories of Culture; Indian Society.

Assistant Professors

Shaik Abdul Munaf, M.Sc. (SVU) Archaeological Anthropology, Ethnoarchaeology, Indian Prehistory.

Entrance Examination

M.A. entrance will consist of 100 objective type questions of one mark each to be answered in OMR sheet. The pattern of questions will be: a) General Studies / Knowledge, b) Social Science Aptitude, c) Language and Communication skills, d) Comprehension and e) Test of Reasoning. The Part-A of the question paper will have 25 questions of one mark each and a negative mark of 0.33 for every wrong answer. The Part – B will have 75 questions of one mark each and negative mark of 0.33 for every wrong answer. The marks scored in the Section – A will only be considered in case of any tie.

DEPARTMENT OF EDUCATION AND EDUCATION TECHNOLOGY

The new department is proposed to incorporate all elements of Educational Studies, from knowledge production to the preparation of teachers and teacher educators, to help improve the quality of school and higher education in the country. The Department of Education and Education Technology attempts to bridge the gap between the pedagogy and curriculum and the school and higher education institutions.

The department proposes to focus on different areas relating to Curriculum and Pedagogy Studies, Teacher Education, Philosophy of education, Anthropology of Education, Psychology of Education, Sociology of Education, History of Education, etc. The department also would attempt to undertake In-service Training of Teachers. The department will undertake research in the area of education taking into consideration the learners' perspective and using of technology in reaching education to all sections of the Society.

The thrust areas of the faculty members broadly relate to cognitive domain, Science education, Mathematics Education, Value education, Environmental education, Education technology, Social science education, Educational psychology, Constructivism, Curriculum Studies, Child rights in education, Sociology of education, Early childhood education and Demography of schooling, etc.

The Department offers Two-Year MA Education Programme with an intake of 30 (Thirty) students, M.Ed programme with an intake of 50 (Fifty) students, [**Note: Subject to getting approval from NCTE.**)] and Ph.D programme with an intake of 08 (Eight) students from the academic year 2018-2019.
MA Education

It is a broad based programme of Study spreads over 4 semesters that includes theory, practice, research, policy and planning in education. It aims to prepare the students with good understanding of education, capabilities for action and deep social commitment. It is basically a theoretical programme which focusses on basic knowledge of theory and practice of educational thought and processes accumulated around the discipline of education. It encompasses a series of basic subjects which are designed in a way to cover basics of all the areas of education concerned and many advanced courses in areas demanding specialization on one or the other kind followed by Education Technology, Early Childhood Care and Education etc. Apart from specialization there are inter-disciplinary electives offered to the students of the department and other departments under the CBCS. Over and above, the dissertation work is also included on a compulsory basis focusing on areas of education.

1. Intake   : 30 Seats
2. Eligibility   : B.A/B.Sc/B.Com with at least 55% marks or equivalent grade
3. Reservations   : As per GoI (Government of India) Norms

Entrance Examination:

The written test for admission to MA education consists of 100 questions of multiple choice (1 mark each) based on the following components that include Part A and Part B. Only Part – A (i) has negative marks @ of -0.25 for each incorrect answer. Part A carries 25 marks covers the areas communicative English, logical reasoning and current affairs in education. Part B carries 75 marks covers the areas the foundations of education that include philosophy of education, Sociology of education and psychology of education and school administration and organization.

Research Programme: Ph.D

The thrust areas in educational research of the faculty members broadly relate to cognitive domain, education technology, value education, environmental education, science education, , social science education, educational psychology, sociology of education, early childhood education and demography of schooling, etc.

1. Intake   : 8 Seats
2. Eligibility   : M.A(Education)/M.Ed with at least 55% marks or
                                equivalent grade
3. Reservations   : As per GoI Norms

Entrance Examination:

The programme requires mandatory course work of 8 credits to be completed in first 2 semesters. The question paper for entrance examination shall consist of 80 marks in two sections, i.e., Part A and Part B. Part A- 40 marks will be on research methodology. Part B-40 marks will be on subject concerned, i.e., in the areas of teacher education. Entrance test followed by an Interview which carries 25 Marks. The breakup of interview marks as follows:

S.No	Weightage being considered	Marks
1	Research Proposal and Presentation	6
2	Publications in UGC recognised Journals. (Max. of 3 Publications. Each Publication carries 1 Mark)	3
3	M.Phil in Education	3
4	JRF/NET/SLET or SET	3/2/1
5	Interview (Subject Knowledge : 3Marks, Research Aptitude: 3Marks, Language ability: 2Marks and Overall Performance: 2Marks)	10
	Total	25

M.Ed. Programme

The Department offers Two-Year M.Ed. Programme with an intake of 50 (Fifty) students from 2018-2019 Academic year. The M.Ed. is a broad based programme of Study that includes theory, practice, research, policy and planning in education. It aims to prepare the students with good understanding of education, capabilities for action and deep social commitment.

1. Intake   : 50 Seats
2. Eligibility   : Integrated Four Year courses B.A.B.Ed / B.Sc.B.Ed at
                                least 55% marks or equivalent grade
                                            (OR)
                                B.Ed at least 55% marks or equivalent grade
                                            (OR)
                                Any Graduation with D.Ed at least 55% marks or
                                equivalent grade
3. Reservations   : As per GoI Norms

Entrance Examination

Question paper of Entrance Examination consists of 100 (marks) broadly divided in to two parts Viz., Part A and Part B.

Part A carries 40 marks divided into <u>Two</u> Sections Viz., Part – A (i) and Part – A (ii) carry 20 Marks each. Only Part – A (i) has negative marks @ of -0.25 for each incorrect answer.

* Part B is divided into <u>Three</u> sections and each section carries 20 marks.

Part - A (i)   : Logical Reasoning and Current Affairs in Education.
Part – A(ii)   : English Language Competency

* Part - B   : Questions are asked based on B.Ed syllabus as per NCTE Guidelines in the following areas.

1.   Philosophical and Sociological Foundations of Education
2.   Psychology of Education
3.   School Management, ICT in Education, Teaching Aptitude etc.,

Faculty:

Professor

Dr.G. Bhuvaneswara Lakshmi, M.Sc(Botany), M.Ed, Ph.D- Science Education, Environmental Education, Value Education, Emotional Intelligence.

Associate Professor

Dr.J.V.Madhusudan, MPS,M.Ed, CIG, M.Phil, Ph.D- Demography of Schooling, Health Education, Early Childhood Care and Education.

Assistant Professors

Dr.Talla Sumalini, M.Com,M.A(Lit),M.Ed, UGC-NET(Ed) Ph.D - Curriculum Studies, Education Technology, Child Rights in Education, Early Childhood Education, Women Empowerment.

Dr.Ravula Krishnaiah, M.A,M.A(Phil), M.Ed, M.Phil, SET(Ed), Ph.D – Philosophy of Education, Sociology of Education, Constructivism, Politics and Education, Yoga Education.

Dr.Geetha Gopinath, M.A,M.Sc(Psy),M.Ed, UGC-NET(Ed), Ph.D – Environmental Education, Social Science Education, Spiritual Intelligence and Resilience Skills, Emotional Intelligence, Differentiation of Self, Reciprocal Teaching, Cooperative Learning and learning disabilities.

Dr.A.S.J. Achari,M.Sc (Applied Math), M.Ed, UGC-NET(Ed), Ph.D – Education Technology, Mathematics Education and Curriculum Development.

Centre for Regional Studies

The Centre for Regional Studies conducts multi-disciplinary research in the Deccan and other regions of India. The envisaged research programmes encompass ecological and environmental studies; socio economic history, regional historical processes; regional social structure; regional economics, development studies, tribal studies, identities and violence.

The Centre for Regional Studies offers **M. Phil and Ph.D**. programmes in the broad areas of research outlined above. The entrance test (written) for admission to M.Phil and Ph.D. programmes consists of two parts. **Part-A** of the question paper consists of objective type questions to test the aptitude of the candidates to pursue research in the Centre. **Part-B** consists of a single paper with essay questions drawn from the Social Sciences of the post-graduate level. In their answers students are expected to demonstrate an understanding of multidisciplinarity and / or regional studies.

The qualifying marks are 50% in the entrance test for **M.Phil and Ph.D**. Qualified candidates will have to appear in an Interview. Candidates have to bring a written research proposal for the interview and answer questions on theory, methodology and area of proposed research interest. Ph.D. candidates will be interviewed on the general area of specialization proposed by the student and their M.Phil work if applicable. Course work (three courses) is compulsory for all M.Phil and Ph.D students joining the Centre.

M.Phil. and Ph.D.
The question paper of M.Phil. and Ph.D. entrance exam shall consist of 80 marks in two sections.
 Part A (Objective) = 40 marks. Questions will be on Social Sciences including Research Methodology.
Part B (Essay Type) =40 marks. Questions will on subjects and themes from the Social Sciences with relevance in Regional Studies.
There is an Interview of 25 marks for shortlisted candidates.

Faculty
Professor
Sheela Prasad, Ph.D. (JNU) – Urban and Regional Geography, Health, Environmental studies **(Head of the Centre)**

Associate Professor
Arvind S. Susarla, Ph.D. (Clark University)- Geography of Hazards and Disasters, Environmental Studies, Communicating Risks
V. Srinivasa Rao, Ph.D. (University of Hyderabad) – Community Participation and Regional Education, Politics of Tribal Development, Regional Politics, Exclusion and Inclusion of Regions.

Assistant Professor
Salah P, Ph.D. (JNU) - Sociology of Violence, Region and Collective Identities, Migration and Borderlands, Marginalized Communities

NOTE:
ZERO ADMISSION in CRS in July 2018 session. (There will be no admissions in M.Phil. and Ph.D. in Regional Studies for July 2018).

Centre for Folk Culture Studies

The Centre for Folk Culture Studies is the first of its kind in the Central University system in India and was established with the assistance of the Ford Foundation, USA. The Centre's interdisciplinary and multi-perspectival approaches emphasize research and teaching in Folk Culture Studies in the milieu of contemporary ethnographic fieldwork. To decode and explain the folk expressive forms, the Centre is adopting a research strategy that combines the methodological procedures and theoretical approaches of both humanities and social sciences. The main objectives of the Centre are: to study diverse aspects of folk expressive behaviour as a dialogue between human groups and their physical and social environments; to analyse culture in relation to various aspects of human creativity such as Science, Technology, Art, Religion, Literature etc; to document and utilize folklore genres and folk lifestyles of

various cultural landscapes in order to cognate the native knowledge systems for sustainable development.

Programmes of Study: Ph.D.

Entrance Examination:

Ph.D.

The question paper of Ph.D. Shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks, will be on Research Methodology, broadly will be as follows:

Research Methodology: *"The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF/NET exam.

Part B: 40 marks will be on subject concerned.

In addition, there is an Interview for 25 marks for shortlisted candidates.

Note: There will be no admissions in Ph.D. Folk Culture Studies for the academic year 2018-19.

Faculty

Professor

Y.A.Sudhakar Reddy, Ph.D. (I.I.T., Madras) – Folklore and Folk Culture Studies, Performance Studies, Hermeneutics, Narratalogy, Peasant Studies and Oral History. (**Head of the Centre)**

P.S. Kanaka Durga, Ph.D. (Nagarjuna University) - Folklife Studies, Folklore and Gender Studies, Religion and Mythology, Ethnohistory and Epigraphy.

Associate Professors

Joly Puthussery, Ph.D. (Hyderabad) – Folk Theatre, Performance Theory, Public Performance and Discourse, Religion and Theatrical Practices, and Material Culture.

Assistant Professor

N. Naveen Kumar, M.S.W. (Bharathiar University), M.A. (Annamalai University) - Folklore and Community Development, Folklore and Globalisation, Ritual Studies, and Field Methodology.

Centre for the Study of Social Exclusion and Inclusive Policy (CSSEIP)

The Centre for the study of Social Exclusion and Inclusive Policy is one of the few Centers set up in the country, being fully funded by the UGC with Faculty positions and Non-teaching staff. It was established in May 2007. Based on the recently originated concept the Centers have been established for undertaking comprehensive studies and research into the Social Exclusion as a complex and multidimensional concept having social, cultural, political and economic ramifications. The Centre

focuses on exploring the processes that produce Social Exclusion. The studies on historical processes of exclusion and the methodological aspects have been the mainstay of the Centre. This new concept encompasses all forms of discrimination which operate in covert and overt manner on caste, gender, ethnicity, religious and linguistics minorities and other excluded groups such as disabled etc. The Centre, through its research programmes, strives to intervene in policy processes to mitigate the problems of social exclusion and help building the democratic processes. The centre has the following objectives:-

a. To understand dynamics of discrimination and exclusion.
b. To focus on multidisciplinary approach to analyse the processes of exclusion.
c. To work on theoretical and empirical dimensions of exclusion.
d. To help with the critical inputs into the inclusive policy processes.

Programmes of Study:
The Centre has adopted multi-disciplinary approach. It offers M. Phil and Ph.D. programmes in the broad areas of research outlined in the objectives.

Prospects for Employment:
a. Academic and research institutions with multi-disciplinary orientations.
b. Non- governmental agencies and consultancies in development sector.
c. Avenues in policy spaces.
d. Journalism- Print and Electronic

Entrance Examination

M.Phil and Ph.D.
The question paper of M.Phil. and Ph.D. courses shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks, will be on Research Methodology and broadly will be as follows:

Research Methodology: "The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 40 marks, will be on subject concerned.
In addition, there is an Interview for 25 marks for shortlisted candidates.
The entrance test (Written) for admission to these programmes consist of two parts.

Courses offered by the Centre:

S.No	Course No.	Course Title	No. of Credits
1	SI-701	Processes of Exclusion and Social groups	4
2	SI -702	Social Exclusion : Theoretical perspectives	4
3	SI -703	Research Methods	4
4	SI-704	Study Area	4

Faculty:

Professors
K. Raja Mohan Rao, Ph.D. (Sri Krishnadevarai University, Ananthapuram) – Development Economics, Rural Development and Social Exclusion Studies **(Head of the Centre)**

Ajailiu Niumai, Ph.D. (J.N.U, New Delhi) - Gender, Non-Governmental Organizations (NGOs) and Development, North East Studies and Diaspora and Philanthropy.

Associate Professors
Sreepati Ramudu, Ph.D. (Jamia Milia Islamia University, New Delhi) - Dalit Studies, Caste, Public Policy, Child Labour and Social Movements.

Assistant Professors
J. Rani Ratna Prabha, Ph.D. (University of Hyderabad) - Child Labour & education, Health, Poverty, Gender and Economics of Exclusion.

Centre for the Study of Indian Diaspora

About the centre
The Centre for the Study of Indian Diaspora was established under the Area Studies Programme of the U.G.C. in 1996 to carry out interdisciplinary research on overseas Indians who today constitutes more than 25 million spread over hundred countries around the world. The Centre envisages research on the historical context of the Indian Diaspora, civilizational heritage of diasporic communities, continuities and transformation in culture, economy and political life, besides promoting communication and linkages between India and the Indian diaspora.

Objectives

The Centre through its special programme addresses the following issues in the study of Indian diaspora:
•   The process of emigration, settlement and identity formation in host societies.
•   Ethnicity of Indian diasporic communities in relation to the changing power structures, under which ethnic identity is an integrating or divisive force.
•   Transnational networks and linkages between India and the Indian diaspora, and between diasporic communities.
•   Indian diaspora in relation to the on-going struggles for identity at the national and global level, and in relation to increasing ethnic consciousness in India.
•   Comparative studies of creative writings on the Indian diaspora by the Indian writers, diasporic Indian writers and non-Indian writers. Research into the new cultural forms of the Indian diaspora, including popular culture.
•   Micro-level ethnographic studies on the Indian diaspora.
•   Contributions of the Indian diaspora to the scientific, technological, administrative and industrial development in host societies.

Programme of study
The Centre offers interdisciplinary courses on Indian Diaspora at the M.A. level besides M.Phil and Ph.D. programmes on Indian diaspora.

Entrance Examination

M.Phil. and Ph.D.

The question paper of M.Phil. and Ph.D. courses shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks will be on Research Methodology and broadly will be as follows :

Research Methodology : *"The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 40 marks will be on subject concerned.

In addition, there is an Interview for 25 marks for shortlisted candidates.

Visiting Fellowships
The Centre offers two to three Visiting Fellowships to national and international scholars each year to carry out specific research or to finalize their Reports/Monographs at the Centre for a period ranging between one to six months. As part of the fellowship, the Centre provides travel support within India and hospitality at the University of Hyderabad. Application for Visiting Fellowships should include a 2page description of work to be carried out during the fellowship period, a detailed CV, and recent published papers in the relevant area. Application Deadline: Twice a year - June 30 & December 31.

There will be no admission in M.Phil. and Ph.D. in Indian Diaspora for the academic year 2018-19.

Faculty

Prof. P. Venkata Rao, Dean, School of Social Sciences
(Head of the Centre)

Assistant Professors

Dr. Ajaya Kumar Sahoo, Ph.D. (Hyderabad) -
International Migration, Indian Diaspora, Transnationalism, Sociology of Religion, and Social Movements

Dr. Amit Kumar Mishra, Ph.D. (New Delhi) - South Asian Diaspora, Nationalism and Transnationalism, Identity, Multiculturalism, Imperialism and the Anti-imperial Movements in Asia and Africa

Centre for Knowledge, Culture and Innovation Studies

The Centre was established in 2009 with the objective of encouraging interdisciplinary research in the area of science, technology and society interface. The Centre focuses on the following areas of research: understanding the dynamics of knowledge production; critical examination of application of knowledge, social, economic, historical, cultural and ethical dimensions of innovation process; understanding the shaping and effects of science, technology and society. Challenges such as climate change, poverty and democratization of science and technology remain in important concerns of research in the centre. Policy, regulatory and ethical issues with relation to science and technological applications such as biotechnology, nanotechnology, and information and communication technology are also the key

concerns of research in the centre. Students interested in pursuing research in these areas of interface between science, technology and society are encouraged to apply for the Ph.D. Programme.

There will be no admission in Ph.D. in Science, Technology and Society Studies for the academic year 2018-19.

Faculty (Joint)

Prof. Prajit Kumar Basu, Ph.D. (IISc, Bangalore), Ph.D. (Iowa) – History and Philosophy of Science (Department of Philosophy)

Prof. J. Manohar Rao, Ph.D. (JNU) – Economics of Science, Technology and Technical Change and Micro-Economic Theory (Department of Economics)

Dr. C. Raghava Reddy, Ph.D. (Hyderabad) – Sociology of Science and Technology and Sociology of disability (Department of Sociology) [**Head of the Centre**]

Centre for Human Rights

The Centre for Human Rights was formally established in the year 2007. Prior to that there was a Human Rights Programme within the Department of Political Science for which the UGC has sanctioned funds under Special Assistance Programme (SAP) in Human Rights. Under the Human Rights Programme a Bi-annual journal "Indian Journal of Human Rights" is being brought out since 1977. Post Graduate Diploma in Human Rights is being offered through distance mode. After the establishment of Centre for Human Rights, a number of seminars/ conferences / symposia have been organized on different aspects of Human Rights.

In recognition of Contribution to human rights education, the UGC has recognized the Centre for Human Rights as a Nodal Centre of Excellence in Human Rights Education with effect from the year 2012-13. The main objective of Centre for Human Rights is to undertake research and teaching programmes in Human Rights. Centre also conducts seminars and debates on current issues and theoretical perspectives of Human Rights. The Centre offers four optional courses for Post- graduate students of the University on interdisciplinary basis. These four courses are (1) Critical Concepts of Human Rights (2) Human Rights in India: The Constitutional and Legal Framework (3) Human Rights in India: The Socio-Economic Context and (4) Dalit Human Rights. These courses are offered subject to the availability of the teachers.

Centre offers optional Course: **Introduction to Human Rights** (for IMA Students)

Under Distance Education Programme, the Centre is offering Post Graduate Diploma in Human Rights (PGDHR)

From the year 2010-11, the Centre is offering Ph.D. Programme in Human Rights.

The **Ph.D.** programme consists mainly of a research project (and course work if required) and a thesis on a topic approved by the Centre. The thesis should be of a high standard and considered to be a valuable contribution to the area of study concerned. Candidates for the Ph.D. programme are required to submit a research proposal for the intended Ph.D. thesis along with the application for admission. The research proposal should contain hypothesis, goals or objectives, statement of the problem and methods of executing the proposal. This is an essential requirement.

Entrance Examination

Ph.D.

The question paper of Ph.D. course shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks will be on Research Methodology and broadly will be as follows:

Research Methodology: *"The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam. Part B: 40 marks will be on subject concerned.

In addition, there is an Interview for 25 marks for shortlisted candidates.

There will be no admission to Ph.D. in Human Rights for the academic year 2018-19.

Faculty

B. Chandrasekhar Rao, M.A. (Andhra University), (Dip. in Strategic Studies) – Dalit Politics, Comparative Government and politics, Indian Government and Politics, Chinese Studies (Department of Political Science) (**Head of the Centre)**

Joint Faculty

K.Y. Ratnam, Ph.D. (JNU) – Indian Politics, Dalit Politics in India, Democratic Process in A.P. (Department of Political Science)

M. N. Rajesh, Ph.D. (JNU) – Medieval Societies, Cartography in Medieval India

Centre for Women's Studies

The Centre for Women's Studies (CWS), at the University of Hyderabad is an interdisciplinary Centre collaborating with faculty from different disciplines. The University of Hyderabad had a Women's Studies Cell established in 1984 alternatively located in the School of Social Sciences and School of Humanities. This Cell was upgraded to a Centre in June 2007. It was a stand-alone Centre until it was affiliated to the School of Social Sciences in March, 2014 as a statutory Centre of the University.

Aims and Objectives:

To
* Actively coordinate courses on gender and women in different departments, and introduce fresh areas of gender research.
* Build a systematic database on gender issues.
* Work towards a Master's Programme in Gender Studies.
* Mainstream gender issues in teaching and research.

Programmes of Study

The Centre offers a Ph.D. programme in Gender Studies. The eligibility criteria for admission into Ph.D. Programme in Gender Studies are P.G. degree with 55 % marks in any discipline in Social Sciences and Humanities or a Master's degree with 55 % marks in Women's/Gender Studies.

Entrance Examination

The entrance examination for admission into Ph.D. programme in Gender Studies evaluates the candidates on the basis of their understanding of gender studies, their knowledge in the domain, their research aptitude and analytical and writing skills.

Ph.D.

The question paper of Ph.D. course shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks will be on Research Methodology and broadly will be as follows :

Research Methodology: *"The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 40 marks will be on subject concerned.

In addition, there is an Interview for 25 marks for shortlisted candidates.

Candidates who are selected on the basis of the written examination will have to appear for an interview. A research proposal has to be submitted at the time of the Interview.

Ph.D. scholars will have to do four courses of four credits each over two semesters.

Areas of Research

Feminist theory, Dalit and subaltern movements, Feminist research methodology, Culture, Media, New Literature in English, Representation and sexuality among other important areas of study.

Core Faculty

K. Suneetha Rani, Ph.D. (University of Hyderabad, Hyderabad) – Gender Studies, New Literatures in English, Cultural Studies, Comparative Studies, Translation Studies.

Deepa Sreenivas, Ph.D. (EFLU, Hyderabad) – Cultural Studies, Feminist Pedagogy, Childhood Studies **(Head of the Centre)**

Note: There will be no Ph.D. intake at the Centre for Women's Studies for 2018-19 as its faculty have no vacancy as per UGC Regulations 2016.

Centre for Ambedkar Studies

The Centre for Ambedkar Studies established by the Executive Committee Order of the University of Hyderabad under the School of Social Sciences intends to explore in depth the multiple dimensions of Ambedkar's thoughts and give it its legitimate place within the academic curriculum of Social/Human Sciences. The central object of the Centre is to have a strong research program and integration of those research activities into the graduate and post-graduate curriculum with innovative teaching methods.

New courses on Ambedkar thought would be designed on various branches of knowledge: on economic thought; political thought; law and constitution; economic development.

- Methodology courses relating Ambedkar philosophy and economic thought and development

Presently, Centre is offering an interdisciplinary course on **"Introduction to Ambedkar Thought"** for Postgraduate students.

The Centre has the scheme of Epoch Making Social Thinkers of India under the XII Plan period UGC, New Delhi

Dr. K.Y. Rathnam, Ph.D (JNU)
Associate Professor, Department of Political Science **(Head of the Centre)**

School of Economics

The Department of Economics which was established and started functioning from 1979, has been elevated to School of Economics and started functioning from 18.10.2012. The School offers programmes of study leading to M.A., M.Phil. and Ph.D. degrees. The School is offering a new programme of study leading to M.A. in Financial Economics from the academic year 2017-18. The School also participates in 5-Year Integrated M.A. programme in Social Sciences. The School offers well-balanced courses of study at all levels incorporating Economic Theory, Quantitative Analysis, and Indian Economic Problems.

Prof. Naresh Kumar Sharma is the **Dean of the School.**

Programmes of Study:

The M.A. in Economics has been designed to expose the students to mainstream and heterodox approaches in theory, tools and techniques. The program equips the students with analytical skills to engage with conceptual and empirical dimensions of the economy, policy, polity and society. Besides the standard courses like microeconomics, macroeconomics, trade, growth, public finance and econometrics, the core courses also include classical political economy and political economy of development, which makes it a well rounded program. The program also offers a range of optional courses that enable the student to acquire specialised knowledge in specific theoretical and applied branches of economics, like New Institutional Economics, Law and Economics, Capital Theory, Development Economics, Economics of Education, Economics of Discrimination, Health Economics, Public Policy, Transitional Economics, Urban & Transport Economics, Natural Resource and Environmental Economics, Labour Economics, Health Economics, Financial Economics, Financial Econometrics, Time Series and so on. This programme is divided into four semesters, in which they have to do 10 compulsory and 6 optional courses. Knowledge of high school level mathematics is expected from the prospective candidates as a minimum qualification, as some of the courses have mathematical orientation.

The M.A. Programme in Financial Economics has been designed to expose the students to alternative paradigms of economic and financial theories and of global financial markets. The students would also be equipped with necessary analytical tools and techniques by way of an in depth training in econometric and time series techniques, and other quantitative methods. The focus of the training would be on practical applications and hand-on experience through assignments and projects, to enable them to competently analyse the market trends, handle big data sets to aid the decision making process. Keeping these objectives in mind, the two-year programme offers a balanced mix of core and electives along with a project to be submitted at the end of the programme. Internships with industry, banks and financial institutions would be an integral part of the programme.

I.M.A. (5-Year Integrated) programme consists of a component that is common to all the social sciences during the first three years. The students are admitted through an entrance test common to all social sciences. The students spend the first three years of study at the College for Integrated Studies, after which they branch out to the respective allotted discipline. The final two years of the I.M.A. (5-Year Integrated) in Economics programme are common with the M.A. Economics programme or with M.A.

Financial Economics programmes allotted as per their choice at the end of three years. Further details about the programme and entrance test can be found under College for Integrated Studies in this Prospectus.

M.Phil. programme is a one year programme which is expected to be completed in a maximum three semesters. It consists of course work and dissertation. The course work places emphasis on: a) recent advances in selected areas of economics, b) literature in the chosen area of research and, c) proficiency in research methodology of economics. Students are required to do course work in the first semester. During the second semester they have to write a study area examination in the chosen area of research and in the remaining part of the programme, they are expected to write a dissertation. However, the students if so desire can submit the M.Phil. dissertation within two semesters also.

Ph.D. programme consists mainly of research work (with a provision to do course work for one semester for those who are admitted without M.Phil. degree) leading to a thesis on an approved topic. The thesis will be of a high standard seen as a contribution to knowledge and will be defended in an open viva-voce.

Faculty

Professors

Naresh Kumar Sharma, Ph.D. (ISI, Delhi) – Economic Theory, Gandhian Economic Thought, Development, Agriculture, Money & Finance, Science & Technology. **(Dean of the School)**

Goddanti Omkarnath, Ph.D. (JNU) – Classical Economic Theory, Capital Theory, Indian Economy, Teaching of Economics.

J. Manohar Rao, Ph.D. (JNU) – Health Care Economics, Development Theory and Policy, WTO and Globalization, Classical Political Economy, Economics of Science, Technology and Technical Change.

S. Sandhya, Ph.D. (JNU) – Population Studies, Population and Development, Health Economics, Health Policy.

R. Vijay, Ph.D. (UoH) – Political Economy, Development Economics, New Institutional Economics.

R.V. Ramana Murthy, Ph.D. (UoH) – Heterodox Economics, Agrarian Studies and Methodology of Economics.

Debashis Acharya, Ph.D. (UoH) – Macro-Monetary Economics, Financial Economics.

K. Laxminarayana, Ph.D. (UoH) – Political Economy and Agricultural Economics, Economics of Education.

N.A. Khan, Ph.D. (Allahabad) – Public Economics, International Trade, Infrastructure Economics, Macro Economics, Islamic Banking.

Boppana Nagarjuna, Ph.D. (UoH) – Industrial Economics, Transitional Economics and International Finance and Indian Economy.

Phanindra Goyari, M.Phil. (IGIDR, Mumbai), Ph.D. (UoH) – Econometrics, Mathematical Economics, Model Building & Simulation in Economics, Microeconomics and Agricultural Economics.
Associate Professor

S. Raja Sethu Durai, Ph.D. (University of Madras) – Macro Economics, Applied Econometrics and Financial Economics.

Assistant Professors

G. Vijay, Ph.D. (Institute of Social Studies The Hague) – Labor Economics, Environmental Economics, Economics of Business Organizations, Law and Economics, Political Economy.

G. Sridevi, Ph.D. (Institute of Social and Economic Change, Bangalore) – Food Security, Health Care, Economics of Discrimination.

Limakumba Walling, M.A. (UoH) – Macroeconomics, Political Economy and Economics of Competition.

Prajna Paramita Mishra, Ph.D. (UoH) – Environmental and Natural Resource Economics.

Alok Kumar Mishra, Ph.D. (UoH) – Macroeconomic Dynamics, Financial Economics, Urban and Transport Economics.

B. Nageswara Rao, Ph.D. (UoH) – Tribal Development, Economic History, Agricultural Economics.

K. Ramachandra Rao, Ph.D. (Andhra) – Urban Economics, Health Economics.

Chittedi Krishna Reddy, Ph.D. (CDS-JNU) – Macro Economics, Financial Economics and Developmental Issues.

Motilal Bicchal, Ph.D. (UoH) – Macro-Monetary Economics, Financial Economics.

Other Professors:

Prasanna Kumar Mohanty, Ph.D. (Boston, USA), Post-Doc (Harvard, USA), MA-Economics, Delhi School of Economics, MA-Political Economy, Boston University – Land, Transport, Urban and Housing Economics; Public Finance. **Chair Professor.**

G. Nancharaiah, Ph.D. (Andhra) – International Economics, Agricultural Economics, Development Economics & Mathematical Economics. **Emeritus Professor.**

B. Kamaiah, Ph.D. (IIT, Bombay) – Monetary and Financial Economics. **Emeritus Professor**.

Entrance Examination

The Entrance Examination for **M.A. in Economics** consists of only objective type questions. The test is designed to examine/ evaluate the candidates' general aptitude (including quantitative ability) and understanding of economics at the bachelor's level. The test is of TWO hours duration and consists of 100 multiple choice questions.

The broad syllabus for the entrance test of M.A. in Economics covers graduate level: Microeconomic Theory, Macroeconomic Theory, International Economics, Public Finance, Basic Mathematics, Basic Statistics, Economic Development and Indian Economy.

There is a separate test for **M.A. in Financial Economics**. However, the modalities and syllabus for the entrance examination for this programme are the same as for the entrance test for M.A. in Economics.

Entrance test details for I.M.A. (5-Year Integrated) programme are given under the College for Integrated Studies.

M.Phil. and Ph.D.

The question paper of M.Phil. and Ph.D. courses shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks will be on Research Methodology and broadly will be as follows:

Research Methodology: "The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information".. Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 40 marks will be on subject concerned.

The M.Phil. and Ph.D. programmes have common entrance paper. The M.Phil. and Ph.D. Entrance Examination will be two parts, Part-A and Part-B. Part – A covers questions on Research Aptitude and Research Methodology. Part – B covers postgraduate level: Microeconomic Theory, Macroeconomic Theory, International Economics, Public Finance, Basic Mathematics, Basic Statistics, Basic Econometrics, Economic Growth and Development, Indian Economy, etc.

In addition, there is an Interview for 25 marks for shortlisted candidates.

Candidates for Ph.D. programme are required to submit a research proposal along with application for admission. Applications without research proposal will not be considered.

M.Phil. and **Ph.D.** admissions are available only in the following specializations within Economics:

M.Phil. specializations: Capital Theory, Classical Economic Theory, Financial Economics, Indian Economy and Macro-monetary Economics.

Ph.D. specializations: Agricultural Economics, Capital Theory, Classical Economic Theory, Economic History, Indian Economy, Industrial Economics, International Finance, Transitional Economics and Tribal Development.

Admissions to any other areas of Economics will not be considered.

Sarojini Naidu School of Arts and Communication

The Sarojini Naidu School of Arts and Communication started functioning from 1988-89 and offers Masters-level courses in Dance, Theatre Arts, Fine Arts, and Communication and Doctoral (PhD) programmes in Communication, Theatre Arts, and Dance.

The University is indebted to the family of Sarojini Naidu for the bequeathed by the late Padmaja Naidu of the 'Golden Threshold', where the University started functioning. In recognition of this gesture, the University started this School by naming it after Sarojini Naidu to offer post-graduate and research programmes in the fields of arts and culture.

The School provides courses of study in the Departments of Dance, Theatre Arts, Fine Arts, and Communication. It seeks to enlarge the scope of the academic programme so as to include other areas of artistic endeavor like music. The broad objective of the teaching programme is not only to explore the evolution and forms of arts, but also to bring about an integrated approach to the study of creativity. Apart from the core Faculty, experts in various fields and Guest Faculty of national and international repute teach courses in the School.

Prof. P. Ramalinga Sastry, Department of Dane is the **Dean** of the School.

Department of Dance – Brief information

The dance department has been one of the first attempts to adapt traditional systems of training in classical dance styles of Kuchipudi and Bharatanatyam for post-graduate studies at university level providing opportunity for students to sharpen their technique and craft, analyze classical dance forms through closer study of aesthetic theories expounded in ancient Sanskrit texts, and made critical interventions in bridging gap between theory and practice.

Department of dance conducts advanced training in dance, particularly classical Indian dances both in theoretical and practical aspects. As one of the pioneering University bodies to adapt classical dance studies to a modern university approach, department of dance has been progressing in envisioning and executing innovative ideas in classical dance practice in all its various professional aspects such as choreography, stage presentation in all its component aspects, rasaabhinaya, dance music composition, art management and digital arts, international understanding of Indian classical dance, dance history, natya sastra, dance appreciation and dance research.

Programme of the study (Courses offered)

M.P.A. in Dance (Kuchipudi & Bharatanatyam)

The Masters in Performing Arts (dance) course is a full time two years and it is very rigorous. The course is a well-balanced in terms of theory and practice and the course spread over four semesters in two years; the course structure provides scope to enhance scholarship, practical and theoretical understanding of dance forms, and initiate students into research and teaching.

Significant emphasis is given to research orientation to train interested students towards research right from the post-graduate level, through a course on research methodology and dissertation project as part of their MPA programme. Students will be given opportunity to enhance their performance skill through department's production.

Apart from the above, frequent work-shops will be organized with artists and experts with artists of national and international repute.

Ph.D in Dance:

The doctoral programme offers scope for students and scholars to specialize in chosen minute niche fields of dance. The programme aims at creating a new knowledge in Indian Classical Dance understanding compatible with global scientific understanding of performing arts in their practice, theory, social relevance, heritage value, cultural significance etc., Incorporating all the relevant methodological tools such as qualitative research, performances theory, ethnography, performance documentation etc., from suitable disciplines such as cultural anthropology, history, art history, management etc., the programme helps the society acquire scientific, socially and culturally relevant understanding of Indian Classical Dances.

Ph.D.

The question paper of Ph.D. course shall consist of 80 marks in two sections, as per the UGC Regulations 2016. Part A – 40 marks will be on Research Methodology and broadly will be as follows:

Research Methodology: *"The process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information". Besides including Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.*

This part of the Entrance Test be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 40 marks will be on subject concerned.

In addition, there is an Interview for 25 marks for shortlisted candidates.

Faculty
Professors
Anuradha. J, Ph.D. (Dance) (University of Hyderabad) – Theoretical Aspects and Kinesthetics of Dance, Kuchipudi Practical and Choreography.

Pasumarthy Ramalinga Sastry, Diploma (Kalakshetra, Chennai) – Bharatanatyam - Practical, Theory, Choreography **(Dean of the School)**

M.S. Siva Raju, Ph.D. (Dance) (University of Hyderabad) – Comparative Dance Studies, Musical Aspects of Dance, Movement for Dance and Choreography. **(Head of the Department)**

G. Aruna Bhikshu, Ph.D. (Dance) (University of Hyderabad) – Applied Theory and Dance Studies.
Visiting Faculty

C.V. Chandrasekhar
Sunil Kothari
Chitra Vishweswaran
Pappu Venugopala Rao
Harimohan Paruvu

Entrance Examination

Admission is through an entrance examination consisting of a combination of objective (25 marks) and essay-type questions (25 marks) on subjects related to the specific field of study i.e., Dance. There would be a common question paper for both specializations. Those selected in the entrance examination will then be called for a practical test for (50 marks) before final selection. For Ph.D. the written test is for 80 marks and Viva voce for 20 marks.

Candidates are required to indicate in the application their preference of specialization in order of priority. Based on the prerequisite experience and the candidate's performance in the admission test and viva, the Department shall assign specialization streams to each of the selected students.

Some of the salient features of the programme:

Students will be given training to compose their own music by creating creative compositions for their choreography. In this process, they understand the depth of the music which influences movement phases intended for any dance sequences, may be solo, thematic, dance-drama and group choreography. This course also facilitates the masters' aspirants to realize the importance of stage-design, craft making, property making like; head-gears, masks etc. Along with the above, the students will also get introduced to make-up and its technics. The course structure enables the master aspirants to become an independent performer / choreographer / teacher / nattuvanar / music composer and stage property designer at the end of their master's degree. This is the first of its kind in India.

Department of Theatre Arts

The Theatre Arts Discipline of S.N.School strongly believes that creating good theatre is an arduous activity and there is no simple formula to achieve it. As an academic discipline within a University system, Theatre Arts concentrates on giving training in seminal concepts, basic principles and practices of drama and theatre to create a successful theatre in society, where live interaction can lead to new terrains of experience and intellect. The course pattern is aimed at the integration of theory with practice, art with technology, and artists with audience. It addresses the core and frontier areas of theatre art, while maintaining flexibility to adapt the art for many different contexts.

The objective of our programmes is to empower students through rigorous training, to practice and appropriate the art of theatre to new contexts thrown up by the rapidly changing contemporary culture and technology. To do this, thorough knowledge of the history and theory of performance is imperative so that a theatre artist understands the field as full of choices and can chart out his or her own path in society and market.

We endeavour to balance training in the practical aspects of theatre with the historical and theoretical aspects. The aim is to train multi-faceted theatre artists, integrating theory with practice, imagination with technology, and art with the practical issues of management and marketing in diverse contexts of the globalized market.

Apart from experienced permanent Faculty, the Department also organizes workshops with prominent experts in theatre from India and abroad. The Department has strong international presence as it has research and practice projects funded by United Kingdom-India Education and Research Initiative (UKIERI), Norwegian Embassy, University Grants Commission (UGC) and Sir Ratan Tata Trust. We

continuously work with Indian Society for Theatre Research (ISTR) and International Federation for Theatre Research (IFTR) to develop the practical and research capabilities of the faculty and students.

The medium of instruction will be English. But there is no language bar for acting or other practical work. Students can work in the language of their choice and multilingual plays are encouraged. The department offers the following courses:

M.P.A (Theatre Arts)

The Masters in Performing Arts programme is a rigorous, **full time three-year course.** This course trains the students in the practical and theoretical work so that they understand and practice theatre as a unique form of artistic communication. The core components are designed to provide hands-on experience of all the areas of theatrical communication and their possible application in different contexts. The theory courses teach the students to look at the history of theatre practice from multiple perspectives-like the literary, socio-economic, political, philosophical, etc. The course content covers both Western and Indian Drama and theatre. It also provides understanding of theatre in relation to other forms of artistic expression-like painting, sculpture, music, cinema, etc. The course tries to encompass the whole spectrum, from classical to contemporary, traditional to commercial, and folk to the digital. Here is a brief outline of the course components, spread over the three years of study:

Theory Courses:
Arts, Aesthetics and Society
Play Analysis
History, Theory, Text (Classical, Indian & Non-Indian)
Realism and After.
Indian Drama and Performance in Contemporary Context
- To understand different forms of artistic expressions, their processes, contexts, grammar and to relate them with theatrical expressions.

- Significance and multiplicity of theatre activities and their relationship to their contemporary history and culture.

- How different theatre forms struggle for space within the same period and culture.

PRODUCTION OF PLAYS
Production Process:
Play productions (One per semester)
- Different stages of production process from an idea/theme/text to a concrete theatrical expression.

- Working with experienced and professional directors on different kinds of plays. To understand different ways of interpreting and producing professional performances.

DESIGN/TECHNOLOGY/DIRECTION:
Basics of Design
Theory and Practices of Scenography
Theory and Practice of Direction
Design and Direction:
- Hands-on training in design skills and to understand their function in the total performance structure in organic relation to other components.

- Working with new materials and techniques to explore new avenues in contemporary performance.

ACTING:
Styles of Acting
Acting in Play Productions (Classical/ traditional/ folk/ Modern Western/ Modern Indian contemporary approaches to Acting)

- The basic elements of acting, stage presence and theatrical communication. To be able to follow direction and execute the director's interpretation of the text, to design one's acting in relation to other elements of design.

- Skills and possibilities of improvisations, different approaches to and styles of acting through a series of scene-works and productions.

Theatre and New Contexts
Community Theatre or Applied Theatre
Children's Theatre & Theatre in Education
Theatre Management

- Using the skills of theatre practice in different contexts like Community theatre, Children's theatre, event management etc.

- To visualize and prepare professional theatre projects with a clear understanding of the budget, work division, human and financial resource management, presentation and marketing.

Specializations

In the third year, apart from the common courses, students are offered the following specialized courses. The department reserves the right to decide whether a student is eligible to opt for a particular Specialization, depending upon his/her performance in that area during the first two years.
Advance Course in Design and Direction
Advance Course in Theatre Studies
Advance Course in Acting and Children's Theatre

Apart from these courses, students should undergo continuous Compulsory Non Credit-courses dealing with Movement and Voice (practical) throughout the three year programme. All practical courses require 90% attendance from the students. Medical fitness is a must to go through the rigorous programme. So exemption for lack of attendance on medical grounds cannot be entertained.

There is an exit clause at the end of the first year. Students, who have successfully completed the first year and do not wish to take advantage of the more in-depth training provided during the next two years can leave the course with a P.G. Diploma in Theatre Arts. Promotion into the second year, apart from the desire of the student, is subject to satisfactory performance and successful completion of the first year of study. The performance of the student will be assessed on the basis of regular attendance, motivation and active participation in the studies and practical work, co-operation and co-ordination with fellow students as well as securing the necessary minimum marks in written and practical exams.

Entrance Examination and interview:

Any graduate with an aptitude for theatre can apply for the M.P.A. Course. Experience in theatre or any performing art will be an added advantage. Eligible candidates are required to write an entrance examination of two-hour duration, consisting of objective type questions on areas related to theatre and culture. Those qualified in the written test will be called for an audition/interview at the University,

where they need to write descriptive and analytical essay as one of the given topics to their experience in theatre.

For the audition/interview, candidates are expected to come prepared to discuss a full length play of their choice and also perform a dramatic passage from a play of their choice in a language of their choice.

Candidates who fail in the audition/interview cannot be selected irrespective of the marks secured in the written exam. Any additional talents like music, dance, martial arts, drawing etc., will be added advantage.

Ph.D Programme in Theatre Arts:

The focus of Doctoral program in Theatre Arts is to generate a knowledge-base in the area of Performance research and practice of theatre. Performance is seen as an inclusive filed encompassing all the genres of performance from traditional to contemporary, and explored in the backdrop of constituent and frontier domains like history, language, literature, anthropology, cultural studies, folklore, music and management in the social and historical context. A flexible interdisciplinary framework is followed to enable researchers to carry out work in the area of performance studies. To bridge the domains of practice and research, practice as Research in Performance is encouraged.
 N.B: New admissions in Ph. D Programme will be reopened from 2019-20.

Faculty:
Professors:

Satyabrata Rout, M.A (National School of Drama), Ph.D (C.C.S. University, Meerut University) – Scenography and Direction: Theory and Practices **(Head of the Department)**

N. Jnaneswara Bhikshu, Ph.D (Hyderabad)-   Indian Drama and Theatre (Classical), History, Theory, Text (Western)

B. Ananthakrishnan, Ph.D (Madras)- Performance Studies, Production Process.

Associate Professors:
Rajiv Velicheti, M.A. in Dramatic Arts (National School of Drama) – Theatre History, Acting and Direction

Noushad Mohammad, M.A. (National School of Drama), Adv. Diploma
in Actor Training (TTRP, Singapore) – Acting.

Kanhaiya Lal Kaithwas, M.A. (National School of Drama) Design and Theatre Craft

Assistant Professor:

Riken Ngomle, M.A. (National School of Drama), Advance Course in Acting, Grotowsky Institute, Wroclaw, Poland- Acting.

Department of Fine Arts

The Department of Fine Arts was established in 1988 at the University of Hyderabad alongside the Departments of Dance, Theater and Communication to form the Sarojini Naidu School of Arts and Communication. The aim was to bring various artistic practices within a broader academic program, to interrogate more systematically, the communicative aspects of the aesthetic traditions, and the aesthetic dimensions of communication systems.

The Department of Fine Arts was established under the stewardship of eminent artists Laxma Goud, DLN Reddy, R S Shamsunder, and other young faculty, and has developed into a premier Art School in the country. The pedagogical commitment has been to provide a safe space for a serious art practice that can be freely carried out in a supportive, challenging and enriching environment. The increasing visibility, and growing list of achievements of our alumni in the world of Contemporary Indian Art are testimony to the pedagogical successes of our school.

Programs of Study

The Department of Fine Arts offers two-year, terminal MFA degree courses in the disciplines of Painting, Sculpture, Print Making, and Art History and Visual Studies. Our academic programs are designed to integrate the practice of Fine Arts with a strong understanding of the social, economic, and intellectual histories of art traditions from around the world. Our students are encouraged to understand the roots and intentions that fuel their own artistic trajectories, while simultaneously situating their work amidst the larger context of the debates in art traditions from around the world. Students from the practical disciplines are encouraged to explore the world of books, reading, writing and research. Conversely, it is mandatory for students from the theory disciplines to work in the studios, so to grapple with the pleasures and challenges of converting inert, obdurate, physical materials into living works of art. The students of the Practical streams (Painting, Sculpture and Print Making) submit a dissertation on their own work, while students of the Art History and Visual Studies discipline submit a dissertation on a topic of their choice, subject to the approval of the concerned faculty.

Instruction in the Department is essentially tutorial in nature, it involves a close working relationship between the faculty and students. The academic curriculum is strengthened and complemented by incorporating workshops by eminent visiting artists, artist camps, conferences and lectures by distinguished scholars on a regular basis. The overall aim is to provide more holistic and intellectually defensible understandings of our inherited artistic and cultural traditions to the young and upcoming generations of artists in our programs.

The Distribution of marks for the Entrance Exams for the Practical streams (Painting/Sculpture/Print Making) will be as follows:

Written Test (Objective type, to be conducted in Different Centers)	25%
6 Photographs of Recent Works (8' x 10") in the field of Specialization (To be submitted at time of Written test at the Examination Center)	15%
Drawing Test (Conducted on University of Hyderabad Campus, on the day of Interview)	10%
Interview (On Campus)	25%
Artist Portfolio (To be shown at time of interviews on Campus) For the portfolio, students of the Painting and Print making disciplines are required to bring at least (5-10) original works in addition to drawings, sketch books and 6 Photographs (8"X10") of works in their field of specialization. Students of the Sculpture discipline are required to bring at least (1 or 2) original works, in addition to their drawings & Sketch books, and 10 - 15 photographs (8"X10") of works in the field of specialization. Each photograph must carry details of size, medium and date, and must be individually attested by the Faculty/Head of the Department/Institution.)	25%

The criteria for the evaluation of visuals will be demonstration of technical ability, conceptual clarity, stylistic coherence and understanding of visual image making practices. In the Oral Interview, the student must be able to back the claims being made in the drawing test and in the accompanying portfolio.

The Distribution of marks for the Entrance Exam for Art History & Visual Studies students will be as follows:

Written Test (Objective Type, conducted at different centers)	50%
Written Essay (On the University of Hyderabad campus, on an assigned topic, on the day of interview)	25%
Oral Interview (On Campus)	25%

In the written essay and oral interview, the students must be able to demonstrate an aptitude in art history, adequate language skills as well as a basic understanding of image making practices.

Faculty
Professor
Suresh B V (Head of the Department)

Associate Professors

LNV Srinivas, MFA (Painting) SN School, University of Hyderabad, BFA (Andhra University, Vishakapatnam)
Alex Mathew, PG Diploma in Creative Sculpture (Faculty of Fine Arts, M S University, Baroda)
Kirtana Thangavelu, MA-PhD University of California Berkeley, MFA, Kala Bhavana, Visva Bharati University, Santiniketan, BA (Fine) Art History, M.S. University, Baroda.
Suneel Mamadapur, PG Diploma in Graphic Arts, (Faculty of Fine Arts, M. S. University, Baroda)

Assistant Professors
Baishali Ghosh, PhD-MFA (Art History) M S University, Baroda, BFA (Art History) Visva Bharati University, Santiniketan
Tanmay Santra, MFA (Painting) Visva Bharati University, Santiniketan
BVA (Painting) Rabindra Bharati University, B.Sc (Bio-Sciences) University of Calcutta

Entrance Exams Specific Information (if any)

Essential requirements at the time of Application for MFA in Painting/Sculpture/Print Making:

i) Applicant must specify the stream (Painting/Printmaking/Sculpture) on priority basis on which they wish to apply to the Department of Fine Arts

ii) Applicant must submit 6 photographs (8"x10") of his/her recent works in the specific stream in which they are applying, to the Examination Coordinator at the time of the Written Examination along with their answer sheets (OMR sheets). The Photographs of artworks must be attested by a Faculty member/Head of Fine Arts College/Institute from where the applicant received his/her BFA/BVA/BA (Fine) degree. This is mandatory, as this will be the basis for screening by the admission Committee.

iii) If an applicant wishes to apply for more than one stream in the Fine Arts Department, they must submit 6 photographs of recent works **done in each stream**, with their answer sheet at the time of the written examinations

Candidates must fulfill the above requirements in order to be considered for the Entrance Test and Admission for MFA in Painting/Print Making/Sculpture

Department of Communication

The Department offers a full-time 2 year Master's programme in Communication. The **M.A. Communication** programme has the following objectives:

1. To study the process of mass communications from the perspective of communication theory, political economy, historiographical/cultural studies, and development.
2. Producing and studying both technology and its mediated usage.
3. To impart skill-based training to prepare students for a growing media industry

The two-year (four semester) M.A. programme offers the following streams of specialization:
   a) Radio & Video Production
   b) Print Journalism & New Media
   c) Communication & Media Studies

Students go through nine core courses in the first two semesters. These courses introduce them to basic concepts and skills in all three areas of specialization. Students, in accordance with the assigned stream, will specialize in one of the above three areas in the last two semesters (See Entrance Examination below for more details). Graduates of the department will have a broad understanding of the foundations of communication and media and acquire in-depth knowledge/skills in at least one of the three areas of specialization mentioned above.

The following table provides an overview of the areas covered in the last two semesters of specialization:

Specialization Stream	Focus Areas of Study
Radio & Video Production	Radio/TV journalism, studio & field production, broadcast media management, documentary & short film making, music video, fiction
Print Journalism & New Media	Specialized reporting & editing, features and analytical writing for print & new media, layout & design, production & managing websites, content management, media management, convergence journalism
Communication & Media Studies	Communication & Social Change, film/TV theory, communication research, cultural studies, ICTs, digital culture, globalization & media, media & gender, community media, science & health communication

Internship Requirement for M.A. (Communication)

During the summer vacation, each student shall work for a period of four to six weeks in a reputable communication/media organization (e.g. newspaper, TV channel, production house, advertising agency, PR agency, market research firm, IT company, NGO, etc.) and obtain a 'satisfactory completion' internship certificate for submission to the department along with a brief internship report. The students shall seek prior approval of the department before joining an organization for internship. Where necessary, the department shall facilitate acceptance of students by particular organizations. Satisfactory completion of internship is a requirement for completion of the M.A. programme.

Infrastructure

Computer Lab: The Department has a networked (LAN) computer lab equipped with the relevant software, as well as scanning, printing and CD/DVD writing facilities. The software includes Quark XPress, Adobe Indesign and other tools necessary for print and multimedia production. The lab also has quantitative and qualitative analysis software loaded on some machines for use by both MA and PhD students. All computers are internet enabled. Students utilize this facility to complete their print/web projects, assignments and other course related work.

AV lab: The audio lab is equipped with multiple microphones, professional multi-track digital recording and editing facilities. Portable digital field recording units are also available for outdoor recording. Students learn to operate professional sound-editing software. The video lab is equipped with a three-camera set-up for multi-camera productions. Besides these, 14 digital video cameras are exclusively meant for single camera field productions. Post-production facilities include non-linear editing systems. Access to and use of studio facilities are governed by rules laid out by the department. Students must provide necessary undertaking regarding access/utility rules for the AV lab.

Bol Hyderabad: The campus community radio station, *Bol Hyderabad 90.4 FM*, is located within the Department building. While offering a community service for campus residents as well as for people living in the listening area, the station provides the setting for hands-on practical training in radio broadcasting to the Master's students.

Copyrights
All copyright of student work produced during their tenure at the University will rest with the Department/University.

Student participation
The programme is intensive and involves group and individual presentations, research projects, studio exercises and other production-related activity. The programme demands active participation of the students. The University regulations make it mandatory for students to have a minimum attendance of 75% during the semester to be eligible to appear for the end-semester examination.

Students must be prepared to incur any expenses towards printing of readings/assignments, completion of their projects, field visits, and participation in various events.

Entrance Examination
Applicants found eligible must write an entrance examination. Based on performance in the entrance examination, the short-listed candidates appear for an interview before final selection is made. The entrance examination consists of objective-type multiple-choice questions that test candidates on their general knowledge, current affairs, media awareness, and verbal aptitude. Students who are shortlisted will also be tested on their writing skills at the time of the interview.

Students will be asked to select streams at the end of the second semester. The Department will assign streams based on academic performance in the first two semesters. The students are allotted to the streams in such a way that enrollment in no stream shall exceed 15.

Ph.D. in Communication
The Department offers a Doctoral Programme in Communication. Those found eligible must write a written test comprising questions in: theory and concepts in the field; research methodology; and a project synopsis. Although students are expected to bring along a PhD proposal and be prepared to discuss it with the interview panel, this need not necessarily be the topic that the selected candidates will eventually work on.

Professors

B. P. Sanjay, Ph.D. (Simon Fraser University, Canada) – Political Economy of Communication Technologies, Development Studies, International Communication, Communication/Media Policy. Also Pro Vice-Chancellor of the University.

Vinod Pavarala, Ph.D. (University of Pittsburgh, USA) – Communication and Social Change, Community Media, Popular Culture. Also holds the UNESCO Chair on Community Media.

P. Thirumal, Ph.D. (Pondicherry University) – Rhetoric of Development, Theory & History of Media.

Vasuki Belavadi, Ph.D. (University of Hyderabad) – Radio, Video Production, Community Media.

Kanchan K. Malik, Ph.D. (University of Hyderabad) – Print Journalism, Community Media, Media Law & Ethics, Media & Gender, Communication & Social Change. (**Head of the Department**)

Usha Raman, Ph.D. (University of Georgia, USA) Print Journalism, Health & Science Communication, Digital Media Studies, Feminist Media Studies

Associate Professors

P. Kennedy, Ph.D. (Osmania University) -- Television Studies, ICTs for Development / Education.

E. Sathya Prakash, Ph.D. (Osmania University) – Television Production, Documentary Filmmaking, Media Management.

Janardhan Rao Cheeli, Ph.D. (University of Hyderabad) – Television Production, Documentary Production, Participatory Video.

Assistant Professors

Madhavi Ravi Kumar, Ph.D. (Andhra University, Visakhapatnam) - Print and Broadcast Journalism, Convergence Journalism, Development Communication, Digital Media Studies.

Anjali Lal Gupta, M.A. (Jamia Millia Islamia) - Theory and Practice of Journalism, Narrative Journalism, Features and Analytical Writing, Development Journalism.

School of Management Studies

The School of Management Studies (SMS) was established in 1999. It offers three (2 year full-time) MBA programmes in General Management, Healthcare & Hospital Management and Business Analytics. The SMS also offers a Ph.D. Programme in Management Studies. The School has completed 19 years of excellence in providing Management Education and preparing business leaders for the global market place. The School is acknowledged for its cutting-edge research, excellent teaching and learning activity in an intellectually stimulating environment. It promotes faculty and doctoral research, consultancy, training, and outreach activities in various sectors.

THE GUIDLNG LIGHT - THE VISION

The broad vision of the School is to continually strive to achieve excellence in management education, research, training, consultancy and outreach activities with a multi-disciplinary, multi-sectoral and developmental perspective.

THE CHOSEN PATH - THE MISSION
- To continually broaden the scope of application of management concepts to Infrastructural, Institutional, Environmental & Developmental services, Entrepreneurship and emerging areas in management.
- To promote the development of sound conceptual and adaptable functional and strategic skills among students.

- To encourage socially responsive managers of tomorrow.
- To instill a culture of lifelong learning and self-development among the students.

THE CORE ACTIVITIES
- Organizing the course work including electives
- Providing relevant inputs/skills - self-awareness and growth lab, organizational skills, summer internship, and project work
- Conducting Faculty and Management Development Programmes
- Encouraging research by faculty and Ph.D. scholars
- Organizing seminars and encouraging participation in external seminars
- Collaborating with reputed national / international institutions / industry
- Encouraging students to organize and participate in co-and extra-curricular activities

Prof. B. Raja Shekhar is the Dean of the School.

PROGRAMMES OF STUDY

MBA Programme
The two year MBA full-time programme with an intake of 60 students is spread over four semesters. During the first two semesters, core and foundation courses are offered. These include Management Concepts and Approaches, Managerial Accounting and Finance, Marketing, Organizational Behaviour, Human Resource Management, Quantitative Techniques, Managerial Economics, Communication and Personal Effectiveness, Operations Management, Research Methodology, Business Analytics and Business Environment. In addition, a three-day concentrated Self-awareness and Growth Lab is also organized during the first semester.

The students are required to get practical exposure by undertaking eight weeks internship in an organization during the summer intervening between the second and third semesters. These internships are intended to familiarize the students with current management practices, work environment and organizational culture. During the second year, the students have the opportunity to specialize in two select areas of their interest. These specializations are offered through electives and project work spread over the two semesters. The students may choose from the following specializations offered:
- Marketing Management
- Finance Management
- Human Resources Management
- Operations Management
- Business Analytics
- Entrepreneurship
- Banking

The students also undertake a long term research project during the final year. It is intended to provide research skills thus enabling them to develop decision making skills as managers.
Admissions for the M.B.A. 2018-19 academic year, with an intake of 60 students are completed on the basis of CAT-2017 scores.
Candidates planning to take MBA admission for the academic year 2019-20 are advised to check for admission notification in the months of August/September 2018. The notification would be advertised in popular newspapers and can also be accessed on the University website.

MBA (Health Care and Hospital Management)

The School has been offering a unique MBA programme (Health Care & Hospital Management) from the academic year 2008-09. The two year (four semesters) programme is offered in association with

leading hospitals to meet the challenges and opportunities offered by the growing health care industry in India. The programme caters specific needs of middle level administrators in hospitals / health care and related sectors. This comprehensive programme will provide a professional qualification and insights into managerial functions for those serving graduates who wish to take up health care and hospital management as a professional career. It will also be of immediate benefit to serving professionals in this sector.

The broad vision of the programme is to strive to achieve excellence in the areas of health care and hospital management education, research, training, and consultancy on par with International benchmarks and standards. The broad mission is to prepare competent and trained hospital management professionals in a synergistic learning environment having strategic alliances with leading healthcare institutions in India and abroad. The major focus is on enhancing and enabling the existing mechanisms engaged in management of healthcare sector in India through capacity building programmes, dissemination of knowledge through continuous interaction between academia and industry, and to promote developmental activities in health care sector.

Highlights of the Programme
- Curriculum is spread over foundation and core courses in the first year and specialized courses and electives in the functional areas in the second year
- Course curriculum developed by seeking inputs from senior hospital management and health care professionals
- Self-awareness and growth lab for personal effectiveness
- 8-10 weeks of summer internship to understand the nuances of the hospital environment
- Final project under the supervision of a Faculty guide in conjunction with an industry mentor

Programme Pedagogy

The teaching/learning methodology is significantly interactive with case studies and group projects to study global health care and hospital management practices

- Interaction with eminent professionals from health care and hospital management
- Individual learning through guided assignments
- Personal growth/self-development and organization skill workshops
- Computer-based learning and audio-visual aids

During the period of study, the student will be required to carry out an 8 weeks summer project after completion of the second semester and final internship project work in any health care institution in the final semester. Efforts would also be made to provide the students a continuous learning opportunity through short term projects and attachment with recognized hospitals. The intake, qualifications for admission and schedule for written exam/interviews for M.B.A. (Health care and Hospital Management) are provided in a tabular format in this brochure.

MBA (Business Analytics)
The School has launched very unique and innovative two year MBA in Business Analytics programme in the academic year 2017-18. This program is spread over four semesters. It is supported by School of Economics, School of Computer and Information Sciences, School of Mathematics and Statistics, CR Rao Advanced Institute of Mathematics, Statistics and Computer Science and Industry. The course includes the basic foundation subjects of Management that include Management Concepts and Approaches, Finance, Marketing, Human Resource Management, Operations and Business Analytics subjects like Statistics for Business Analytics, Business Analytics for Decision Making, Machine Learning, Marketing and Retail Analytics, Big Data, Financial Analytics, Econometrics, HR Analytics, Manufacturing and Supply Chain Analytics etc. Lab sessions are also included in the course.

The students are required to get practical exposure by undertaking eight weeks internship in an organization during the summer intervening between the second and third semesters. These internships are intended to familiarize the students with current developments in the area of Business Analytics along with the management practices, work environment and organizational culture. The students also undertake a long term research project during the final year. It is intended to their analytics skills enabling them to join organizations.

Highlights of the Programme

- Curriculum is spread over foundation and core courses related to Management, Information Technology and Analytics in the first year and emphasis is placed on courses related to advanced Business Analytics in the second year.
- Course curriculum developed by seeking inputs from industry professionals and academicians.
- Self-awareness and growth lab for personal effectiveness.
- 8-10 weeks of summer internship to understand the working environment of the analytics industry.
- Final project under the supervision of a Faculty guide along with an industry mentor.

Course Curriculum and Programme delivery
The course curriculum is developed with active collaboration / involvement of industry professionals to provide the students with state of the art knowledge and practical orientation in the field of business analytics and management. The course is being offered to a limited strength of about 30 students plus 5 Industry sponsored candidates with key inputs from the Faculty of the school and other visiting Faculty with supplementary inputs from industry professionals.

International Students: 2018-20 MBA
Up to five international students may be considered for admission to the MBA programme in absentia. Their selection would be based on:

- 60% marks or above or its equivalent grade in a Bachelor's degree in any field from an officially recognized University/institution in their country of residence;
- Proof of proficiency in English (score in TOEFL or equivalent Test or certification);
- Statement of purpose; and
- At least two academic references

Interested students should submit an application with full personal details, summary of academic records from high school onwards, attested copies of mark-sheets and TOEFL (or equivalent) scores, a brief (200 to 300 words) statement of purpose for pursuing the course, names and contact addresses of at least two referees, by **May 10, 2018** at the latest. They should also ensure that, if admitted, they must join the programme before **15th July, 2018**.

The charges for hostel accommodation on campus for all students from abroad will be the same as paid by students from India. All fees and charges are subject to revision by the School/University from time to time.

Ph.D. Programme

The School also offers a Ph.D. programme in Management Studies. The students are expected to produce a dissertation of international quality based on research in analytical and/ or applied areas of

management. All the students admitted into Ph.D. programme are required to undergo course work as stipulated by the UGC. The course includes the subjects in Statistics, Research Methodology, Academic Writing and Research issues in Management. The School has been focussing its research on various contemporary issues of Management including the following.

- Banking Management
- Brand Management
- Business Analytics
- Corporate Social Responsibility
- Customer Relationship Management
- Entrepreneurship
- Financial Markets
- Financial Services
- Health Care and Hospital Management
- Investment Analysis
- Performance Management
- Risk Management
- Service Quality
- Supply Chain Management
- Technology Management
- Tourism and Hospitality Management

Note: Coursework of a minimum of 12 credits is mandatory for Ph.D. programme. All the candidates admitted for the Ph.D. programme need to complete the coursework within one year period of admission.

Faculty

Professors

V. Venkata Ramana, M.B.A. (Sri Krishnadevaraya), Ph.D. (Management - Osmania) - Marketing Management, General Management, Corporate Strategy and CRM and Services Marketing.

V. Sita, M.A., (Osmania) M. Phil, (Hyderabad), Ph.D. (Osmania) - FDP(IIM, Ahmedabad), PGDHRM (Pondicherry) -Public Policy, General Management, E-Governance, Entrepreneurship and Women Studies.

P. Jyothi, M.A., Ph.D. (Psychology - Osmania) - Organizational Behaviour, Human Resource Management, Organizational Development, and Entrepreneurship.

B. Raja Shekhar, B. Tech. (Civil - Acharya Nagarjuna), M.B.A. (Osmania), Ph.D. (Management - Kakatiya), M.Sc., Ph.D. (Psychology - Sri Venkateswara), M.A. (Education-IGNOU), FDP (IIM, Ahmedabad), PGDPMIR (Kakatiya), PGDCS (Hyderabad) - Quantitative Techniques, Service Quality, Business Analytics, Research Methodology, Industrial and Organizational Psychology. **(Dean of the School)**

Mary Jessica, M.Com., Ph.D. (Management - Osmania) - Financial Management, Merchant Banking and Financial Services, Investment Management and International Financial Management.

G.V.R.K. Acharyulu, B. Tech. (Chemical- Andhra), M. Tech. (Chemical – NIT Warangal), M.B.A. (Osmania), Ph.D. (Management - Osmania), DPM (Annamalai) - Quantitative Techniques, Operations

Management, Supply Chain Management, Health Care Management and Business Analytics. **(Coordinator, M.B.A Health Care and Hospital Management Programme).**

Vijaya Bhaskar Marisetty, M.B.A (Sri Krishnadevaraya), M.S. (RMIT, Australia), Ph.D. (Monash, Australia), PDF (Wharton School, University of Pennsylvania & ISB, Hyderabad) – Investments, Financial Regulation, Indian Financial Markets; Corporate Governance; Machine Learning Applications in Finance.

Associate Professors

Chetan Srivastava, MBA, Ph.D. (Management - Osmania), PGCCA, MCSD - Strategic Marketing. International Marketing, Advertising, Sales Management, IT in Management.

Sapna Singh, MBA, Ph.D. (Management - Osmania) - Marketing, Branding and Advertising.

I. Lokanandha Reddy, MBA (Sri Krishnadevaraya), Ph.D. (Management - JNTUH) - Corporate Finance, Investment Analysis, Strategic Financial Management and Business Analytics.

Assistant Professors

D.V. Srinivas Kumar, B. Tech. (Acharya Nagarjuna), MBA (Andhra), Ph.D., (Management-Hyderabad), FDP (IIM, Indore)- Services Marketing, Customer Relationship Management and Business Analytics. **(Coordinator, M.B.A Business Analytics Programme).**

K. Ramulu, M.Com (Kakatiya), MBA (DRBRAOU), M. Phil. (Commerce - Nagpur), Ph.D. (Management-Kakatiya) - Materials Management-Financial Management, Financial Accounting, Management Accounting, Financial Risk Management, Security Analysis and Portfolio Management and Financial Markets.

Punam Singh, MBA(ISM-IIT, Dhanbad), Ph.D. (Management - JNTUH) - Human Resource Management, Organisational Behaviour, Corporate Social Responsibility, Performance Management and Compensation Management.

Pramod Kumar Mishra, M.Sc.(Mathematics- NIT Rourkela), MBA (Biju Patnaik), Ph.D. (Management-Hyderabad), PDF (IIM, Bangalore)- Supply Chain Management, Logistics Management, Mathematical Modelling and Business Analytics.

Murugan Pattusamy, M.B.A., Ph.D. (Management-Anna) – Work-family balance, Business analytics, HR Analytics, Research Methodology, Application of Multi-Variate data analysis techniques in Management, Item response theory, Mediation and Moderation analysis.

Some of the key invited visiting Faculty:

1. **Prof. Arun K Tiwari**, Secretary, CARE Foundation, Hyderabad.
2**. Prof.V. Nagadevara,** Former Dean, IIM, Bangalore**.**
3. **Dr. S. Raja Sethu Durai,** School of Economics, University of Hyderabad.
4. **Dr. Naresh Manwani**, IIIT-Hyderabad.
5. **Dr. K. Venkateswara Rao**, Healthcare Consultant, Hyderabad.
6. **Dr. Zafer Hashmi**, CAS-RMO, Osmania General Hospital, Hyderabad.

In addition, several local and international senior managers and management experts are regularly invited to interact with the students as Guest Speakers.

Entrance Examinations for various programmes offered by School of Management Studies

➢ **MBA-** Admissions for the MBA 2018-19 batch, with an intake of 60 students is on the basis of CAT-2017 are completed. Candidates planning to take MBA admission for the academic year 2019-20 are advised to check for admission notification in the months of August/September 2018. The notification would be advertised in popular newspapers and can also be accessed on the University website.

➢ **MBA (Healthcare and Hospital Management) -** An entrance exam would be conducted by the University. Entrance exam will be for 75 marks (comprising Multiple Choice Questions related to Logical Reasoning, Verbal Ability, Quantitative ability, Data sufficiency, Healthcare awareness, and General Knowledge). Candidates shortlisted after the written exam will be called for Group Discussion and Personal interview. The final offer would be made on the basis of performance in the written exam, Group Discussion and Personal Interview and the weightage for the written exam, Group Discussion, and   Personal Interview will be 60%, 15 % and 25% respectively. The eligibility criteria and the dates of entrance exam and interview are mentioned in a tabular format in this brochure.

➢ **MBA (Business Analytics) -** An entrance exam would be conducted by the University. Entrance exam will be for 75 marks (comprising Multiple Choice Questions related to Logical reasoning, Verbal ability, Quantitative ability, Mathematical ability, Statistical Ability, Data Analy**sis** and Interpretation etc.) followed by Group Discussion and Personal Interview. Candidates shortlisted after the written exam will be called for Group Discussion and Personal interview. The final offer would be made on the basis of performance in the written exam, Group Discussion and Personal Interview and the weightage for the written exam, Group Discussion, and   Personal Interview will be 60%, 15 % and 25% respectively. The eligibility criteria and the dates of entrance exam and interview are mentioned in a tabular format in this brochure.

➢ **Ph.D. Programme-** Applicants (including Senior Management Professionals) satisfying the minimum qualifications will be required to take an entrance exam. Entrance exam will be for 80 marks (comprising multiple choice questions in Research Methodology, Logical reasoning, Analytical ability, Data analysis & Interpretation etc. for 40 marks and Principles of Management, Managerial Economics, Marketing Management, Accounting, Costing, Financial Management, Human Resources Management, Operations Management, Strategic Management, Business Statistics, Operations Research etc. for 40 marks). The entrance exam shall be qualifying with qualifying marks as 50% and the shortlisted candidates among the qualified will be called for an interview. Applicants will be required to submit, along with the application, a brief tentative proposal (about 500 words) on their proposed topic of research. The eligibility criteria and the dates of entrance exam and interview are mentioned in a tabular format in this brochure.

(Previous entrance exam question papers can be accessed on the University library website at the following URL: http://igmlnet.uohyd.ac.in:8000/)

SCHOOL OF MEDICAL SCIENCES

About the School

The School of Medical Sciences was established with a mission to "Promote, Nurture and Achieve excellence" in frontier areas of Medical and Health Sciences by offering novel teaching and research programs. The School collaborates with the School of Life Sciences, School of Management Studies, School of Social Sciences, School of Economics, SN School of Communication and Performing Arts, and Centres of the University involved in Health Sciences research. The School has access to State of the art research infrastructural facilities of the Schools and Centres of the University. The School of Medical Sciences has several Adjunct, Joint and Visiting Faculty from the University and other Institutes who actively participate in the multi-disciplinary teaching and research programs. Centre for Health Psychology (CHP) and Centre for Neural and Cognitive Sciences (CNCS) – prime and flagship centres for the focus areas that they drive are also part of the School.

Infrastructure

The school is well equipped with various optometry labs which include Contact Lens lab, Refraction lab, Low vision Lab, Binocular vision Lab. Public Health students are also trained in the University computer facilities for Data Management and undertake field visits to various Institutes for embedding the learning. A dedicated computer lab for the school is almost ready for supporting the training and teaching programs. The school has three central facilities for biomedical research and two functional research laboratories that focuses on Cancer Biology, Tissue regeneration, Hypertension and Pre-eclampsia.

Programs of Studies:

The School offers the following academic program:

1. **Integrated Master of Optometry (M.OPT):** The **6-year Integrated M.OPT.** course is designed to train the students in different aspects of optometry and is backed up with extensive practical skills and one year of mandatory clinical internship during their 4th year of training. The students spend part of the first year at College of Integrated studies learning courses which are common for sciences. The second, third, fifth and sixth year at the School. The fourth year they go for clinical Internship. The clinical internship can be undertaken at any of the recognized Institutions approved by the SoMS like LV Prasad Eye Institute, Hyderabad, Aravind Eye Hospital, Mehdipatnam, Hyderabad. Centre for Sight, Hyderabad, Pushpagiri Eye Institute, Swaroop Eye Hospital upon fulfilling the selection criteria of written test and or interview conducted by the clinical institution at the end of their third year. Some of the clinical institutions charge fees for internship. During the Internship the student is required to make arrangements for transport from University to the Clinical Inetrnship centres.

Eligibility for the Integrated Master of Optometry (M.OPT)

No of Seats = 20

The eligibility for admission to the course is based on a written test. The written test paper based on XII Board syllabus will have a total of 100 objective type questions in Biology, Chemistry, Physics and Mathematics.

2. Master of Public Health (MPH):
As the saying goes "Science discovers, Technology develops and Public Health delivers", the School of Medical Sciences of UoH embarked on completing the cycle by an innovative approach – the Master of Public Health program, which aims at imparting core public health competencies through this program.

"The bench to bedside to brass-stacks" competencies are developed through this programme. The Master of Public Health, a two year interdisciplinary program, is offered by School of Medical Sciences and supported by other Schools within University of Hyderabad (School of Social Sciences, School of Management studies, School of Economics, S N School of Performing Arts, Fine Arts & Communication) and in collaboration with Indian Institute of Public Health (IIPH) - Hyderabad. The major objectives of the MPH program of UoH are as follows:

- Prepare professionals to work in public health in socially, culturally and economically diverse populations by being attentive to needs of vulnerable and disadvantaged groups.

- Promote public health research in institutional and field settings.

- Train professionals for teaching /training posts in public health institutions for disability, community nursing and health project management.

- Promote qualities of leadership among public health professionals and effectively use communication skills for health advocacy.

- Train professionals for teaching /training posts in public health institutions for disability, community nursing and health project management.

Eligibility for applying for MPH
Bachelor's degree in Medicine, Dentistry, AYUSH, physiotherapy, occupational therapy, nursing, nutrition, pharmacology, veterinary sciences, agricultural sciences, social sciences or any other science degree.

No of seats: 30:
Selection:
Selection procedure is through annual entrance examination of the University of Hyderabad. The written test paper would be based on Bachelors degree syllabus in public health and allied specialties and will have a total of 100 objective type questions covering basic medical and social Sciences.

3. Ph. D programme: PhD in Health Sciences - 8 seats

The School offers Doctor in Philosophy (PhD) in 4 streams (Public Health= 3; Optometry and Vision Science: 3; Nursing = 1, and Biomedical Sciences=1) with an intake of 8 candidates, and will follow all the regulations as stipulated under the MHRD/UGC/Notification dated 5th May 2016. The applicants can select only one stream for pursuing their study.

(i)   Public Health: 3 seats

   Faculty: Dr. B. R. Shamanna & Dr. M. Varalakshmi

   Dr. BRS - Candidates having interests in the areas of Public Health Research and health policy making, Non Communicable Disease epidemiology and implementation research are highly encouraged to apply for this stream.
   Dr. MVL - Candidates having interest in the areas of health research, with socio behavioural strategies for health promotion and QOL in the areas of Ageing & Healh, adolescent health, Child injuries and non communicable diseases with Gender dimensions

(ii)   Optometry and Vision Science: 3 seats

Faculty: **Dr. Rishi Bhardwaj, Dr. K. V. Nagaraju, Dr. Geeta K Vemuganti**

Candidates having interests in the areas of Binocular vision, Contact lenses, Ocular surface, Dry Eye, Innate immunity, Antimicrobials, Eye care technologies, ocular stem cell biology, community Optometry, refractive errors especially myopia and eye care programs are highly encouraged to apply for PhD in this stream.

(iii) **Nursing:** **1 seat**

Faculty: **Dr. M. Varalakshmi**

Candidates having interest in the areas of health research, with socio behavioural strategies for health promotion and QOL in the areas of Ageing & Healh, adolescent health, Child injuries and non communicable diseases with Gender dimensions.

iv) Biomedical Sciences: **1 seat**

Faculty: **Dr. Geeta K. Vemuganti**

Candidates having interests in the areas of basic biological and biomedical research specially related to Clinical Biochemistry, cardiovascular research, stem cell biology, radiation biology and cancer biology are highly encouraged to apply for PhD in Medical Sciences.

Procedure for admission:

Selection process: Entrance Examination followed by Interview for all above streams except for Biomedical Sciences where JRF is mandatory. JRF in Social Medicine & Community Health of UGC-NET with eligibility are also eligible to appear for interview in Ph.D Health Sciences – Public Health stream without appearing for University Entrance Examination.

Entrance Examination:
Admission shall be through an entrance examination for screening and interview for final selection. The Entrance Examination will carry a total of 80 marks and divided into 2 sections.

Section A - The entrance examination question paper will have 50 % of questions (40 questions) in Section A common to Public Health, Optometry & Vision Sciences and Nursing streams, and will have negative marking of 0.33 for every wrong answer. This section will have multiple choice questions based on general sciences aptitude plus analytical & basic research skills. **Section B** – specialty paper will not have negative marking will be divided into 3 specialty streams, namely Section B1 for Public Health; B2 for Optometry and Vision Sciences; B3 for Nursing; and remaining (50 % - 40 marks) will be allocated for this. The candidate has to answer this separately depending on the choice of the stream. The final marks will be moderated in order to make available at least 6 screened candidates for each Ph. D seat to be filled in the individual streams of research study.

Selection of final candidates for the Ph. D program in the 4 streams will be based on interview performance, whether screened in through entrance examination for 3 streams or JRF qualified candidates for biomedical and public health stream.

All other guidelines will be as per what is published in the prospectus of the University of Hyderabad 2018-19.
Compulsory Course Work – 14 credits including common courses and specialization related courses.

 P. Prakash Babu, Ph. D (University of Hyderabad):
Areas of Interest: Neuroscience: Cell signalling and cell death (apoptosis and autophagy) in cerebral ischemia (stroke), cerebral malaria, brain tumors and stem cells.

Faculty

Professors

Geeta K. Vemuganti, DCP MD (Path), DNB (Path), FAMS, FICP (University of Rajasthan, Nizam's Institute of Medical Sciences, National Academy of Medical Sciences) Areas of Interest: Adult Stem Biology research, Cancer stem cells, Ocular tumors and Ocular infections.

B. R . Shamanna, MD, DNB (MCH), DNB (SPM), M. Sc (Lon.) (Karnatak University, All India Institute of Medical Sciences, National Academy of Medical Sciences, University of London). Areas of interest include Health and Welfare Economics, Monitoring and evaluation of public health programs, implementation research, health technology assessment.

Associate Professors

Athar Habib Siddiqui, Ph. D (AMU, Aligarh) – Areas of interest include Integrative physiology, Cardiovascular biology, Hypertension, Clinical Biochemistry.

Mahadev Kalyankar, Ph. D (University of Hyderabad) – Areas of interest include Diabetes, Insulin resistance and metabolic disorders.

K. Ajitha, MD (Community Medicine), (Ph. D Scholar) - Areas of interest include disability studies, geriatric health of geriatric population.

C. T. Anitha, MD, MPH (Rajiv Gandhi University of Health Sciences, University of South Florida, USA) - Areas of interest include Food safety, Public health Nutrition, maternity and child health.

Assistant Professors

M. Varalakshmi, **M. Sc (Nursing), Ph. D (Nursing), MBA (Hosp.Admn), PGDBE** - Areas of Interest include Functional & Socio behavioural health promotion for QOL in the areas of Healthy Ageing, Adolescent health, Child injuries and non communicable diseases with Gender dimensions.

Rishi Bhardwaj, Ph. D (Vision Science), New Zealand - Areas of interest include binocular vision, neural basis of vision.

Konda Venkata Nagaraju , Ph. D (Optometry and Vision Sciences, University of New South Wales, Sydney, Australia - Areas of interest include contact lenses, Ocular surface, Dry Eye and Innate immunity, antimicrobials and Eye care technologies.

M. Surya Durga Prasad, MBBS, MD (Community Medicine) (Osm) - Areas of Interest include Basic and applied Epidemiology, Communicable and Non communicable diseases.

Centre for Health Psychology

Health Psychology is a holistic approach to Health and Wellbeing. The holistic approach shifts the emphasis of health from biomedical to bio psychosocial model. Health Psychology is the field within

Psychology that studies every aspect from wellness to illness. It focuses on health promotion and maintenance; prevention and treatment of illness; the etiology and correlates of health, illness and dysfunction, and improvement of health care system.

Placements

Almost all the students who completed their course in Integrated MSc & MSc Health Psychology have found good placements. About 50% of the students have joined Ph.D. in Universities in India and abroad. The students after completing Ph.D. have been placed in Universities and Colleges in teaching positions and in hospitals as Health Psychologists.

Prospects of Health Psychologists

- They are placed in Government and Private Sectors
- The nature of work involves creating awareness in health promoting behaviour and health risk behaviour, trauma and pain management, application of Indian health practices to enhance wellness
- They work independently as Consultant Health Psychologists
- They do research and examine the interaction of biological, psychological and social factors affecting health and illness
- They provide counseling for psychosocial problems which may be a trigger or consequence of an illness
- They develop worksite interventions to improve employee's health
- They work as consultants in organizations to improve health and health care delivery

About the Centre

The Centre for Health Psychology is the first ever Centre in the Country, and was established in the University in 2007. The research focus of the Centre includes bio psychosocial aspects of chronic illness, quality of life, ICU trauma, behavioural cardiology, reproductive health, psychooncology, behavioural diabetology, occupational health, disability studies, resilience studies, and positive health. Special emphasis is given to Indian approach to health and wellness.

Infrastructure

The Centre is equipped with Experimental Laboratory, Counseling Laboratory, Behaviour Technology Laboratory, and Sleep Laboratory. The Experimental Laboratory has modern digital instruments and more than 200 standardized psychological tests. The Counseling Laboratory is a state-of-the-art laboratory to train the students in micro skills of counseling. The Behaviour Technology Laboratory is well equipped with good number of equipment such as Biofeedback machine. The Sleep Laboratory is equipped with Polysomnography system to conduct research related to sleep.

Programmes of the Study

The Centre offers the following Courses:
- M.Sc. (5-year Integrated) in Health Psychology (with exit option – B.Sc. Psychology)
- Two-year M.Sc. in Health Psychology
- Ph.D. in Psychology

Entrance Examination

The Admission to both M.Sc. (5-Year Integrated) and MSc (2-Year) course in Health Psychology is based on the performance in the national level written test conducted by the University. The Admission to Ph.D. in Psychology is through a national level entrance examination (written test and interview) conducted by the University.

- The test for admission to M.Sc. (5-year Integrated) in Health Psychology will assess knowledge in Psychology at +2 NCERT and proficiency in English.

- The test for admission into M.Sc. Health Psychology will assess knowledge in Psychology (Graduation Level) and proficiency in English.
- The test for admission to Ph.D. in Psychology will assess knowledge in Psychology & Research Methodology (Masters Level). The pattern for all the written examination will be objective multiple choice questions.

Faculty

Professor

Prof. Meena Hariharan, Ph.D. (Utkal) – Stress & Coping, Behavioural Cardiology and Resilient Studies **(Head of the Centre)**

Assistant Professors

Dr. G. Padmaja, M.A., M.Phil, Ph.D.–Counseling Psychology, Psycho-oncology and Health Psychology

Dr. Meera Padhy, M.Phil, Ph.D.–Developmental and Educational Psychology, Health Psychology, Behavioural Diabetology and Occupational Health

Dr. N. D. S. Naga Seema, M.A. Ph.D. – Community Health Psychology, Reproductive Health Psychology, Developmental Psychology and Yoga

Dr. Suvashisa Rana, M.A. (Gold Medal), M.Phil. B.Ed. (SE-MR), LL.B., Ph.D. –Positive Psychology, Psychometrics

Dr. C. V. Usha, M.A., PGDCP, Ph.D. – Clinical Health Psychology, School Psychology and Counselling

Ms. C. Vanlalhruaii, M.A., (Psychology), Ph.D. (Pursuing) – Health Psychology

Adjunct Faculty

Prof. Girishwar Misra, Vice-chancellor, Mahatma Gandhi International Hindi University, Wardha.

Visiting Professors

Prof. Gyanmudra, Head & Professor, Centre for Human Resource Development, NIRDPR, Hyderabad

Prof. N. C. Pati, Professor of Applied Psychology, PG Dept. of Applied Psychology, Chetana College of Special Education, RRL Campus, Bhubaneswar

Prof. A. S. Dash, Retd. Professor, Utkal University

Dr. B. Sesikeran, Former Director, National Institute of Nutrition, Hyderabad

Dr. Saroj Arya, Retd. Clinical Psychologist, NIMH, Hyderabad

Dr. Susie Hariharan, Research Physician, Apollo Hospitals, Hyderabad

Prof. A.K. Saxena, Retd. Professor of Psychology, SVP National Police Academy, Hyderabad

Guest Faculty

Dr. Durgesh Nandinee, Health Psychologist, Hyderabad

Dr. K. Niranjan Reddy, Senior Clinical Psychologist, Roshni Counselling Centre, Begumpet, Hyderabad

Visiting Fellow

Dr. Rakesh Kumar Jain, Senior Clinical Psychologist, IMHH, Billochpur, Agra

Centre for Neural and Cognitive Sciences

The Centre for Neural and Cognitive Sciences (CNCS) is a multidisciplinary research centre affiliated to the School of Medical Sciences, University of Hyderabad, offering research degrees in the areas of Neurosciences and Cognitive Sciences. At present, Centre offers PhD (Cognitive Science) and MSc (Neural and Cognitive Sciences) courses. The Centre has four permanent faculties who specialize in

Neurosciences, Cognitive Sciences and sub-disciplines therein with additional adjunct faculty from other departments and schools. The Centre has been actively participating both nationally and internationally over a period of time in training, collaboration and dissemination of knowledge in these areas. The Centre has conducted many national and international events over the years which have made the Centre and its work known to researchers and students widely. The Centre has excellent research facility to provide theoretical and experimental training to research students in the areas of Neurosciences and Cognitive Sciences; although with expansion in teaching and training requirements, more is needed in terms of research infrastructures keeping in account of this dynamically evolving field. The Centre's faculty members have excellent publication record in their respective areas of research and they constantly participate in international and national events that include workshops, symposia etc. The Centre has received research support from DST, DBT and other bodies over the years. The Centre's research and teaching activities have also been actively supported by many other faculties from different departmentsand schools of the University resulting in excellent cross fertilization of knowledge. The multidisciplinary nature of its research program has attracted students from different disciplines who wish to do research in Neuroscience and Cognitive Science.

Faculty

Professor & Head of the Centre

Dr. Ramesh Kumar Mishra, Full-time faculty member of the Centre (Cognitive Science Stream)

Associate Professors
Dr. Sudipta Saraswati – Full-time faculty member of the Centre (Neuroscience stream)
Dr. Joby Joseph Ramanujan Fellow of the DST, Full-time faculty member of the Centre (Neuroscience stream)

Assistant Professor
Dr. Akash Gautam – Full-time faculty member of the Centre (Neuroscience stream)

PROGRAMMES OF STUDY

MSc Programme in Neural and Cognitive Sciences:
This four semester programme is an interdisciplinary program which will provide students with strong foundation in experimental and theoretical approaches in Neural and Cognitive Sciences. The first year of program offers an opportunity to learn the basics of Neuroscience as well as Cognitive Science, followed by advanced courses in either Neuroscience or Cognitive Science stream in the second year. Completion of a research project in final semesters is an integral component of this programme. Other than the coursework which will train you in linguistics, neurobiology, computer science, cognitive psychology and philosophy to inquire in to the nature of cognition and how brain functions, the course will also train you in labs for measuring eye movements, making *in vivo* recording from single or multiple neurons, EEG measurements, carrying out neurogenetic manipulations, molecular neurobiology research, high performance computing and automated behavioral experiments.
Total number of seats: 16
Basic qualification:
Minimum prerequisite is Bachelor's degree with a minimum of 55% marks in any branch of Natural Sciences, Mathematics, Engineering and Computer Science; Social sciences, Humanities, MBBS.

Entrance procedure: Entrance is through a multiple choice written exam (100 marks).The question paper will carry 100 objective type questions to be answered in two hours. There will be negative marking of 0.33 for every wrong answer. The question paper will have two sections, I and II. First section will be testing on numerical, verbal and logical aptitude (40 marks). Second section will be subject specific to Neuroscience and Cognitive science (60 marks).

Ph. D. Programme in Cognitive Science:

Total number of seats: 2

Basic qualification: The basic qualification is that the candidate should have at least 55% marks in their respective prerequisite exam. The centre offers a PhD program in cognitive Science with either Neuroscience or Cognitive science specialization. This year two seats are available for Cognitive science specialization to work in the area of attention, control and visual cognition in humans.
2 seats in PhD in Cognitive science (Prerequisite is Masters in Psychology / Linguistics / natural sciences / computer science or BTech in any Engineering discipline.)
Entrance Procedure: Selection will be on the basis of a written test or JRF qualification (both) followed by an interview.Candidates with CSIR/UGC/other national body recognized JRF can come in for interview with 40 marks or with the marks obtained in the entrance examination (whichever is more) if they satisfy the prerequisite conditions for the respective streams.
The question paper will carry 75 objective type questions (75 marks) to be answered in two hours. There will negative marking of 0.33 for every wrong answer. In this year, there will be one stream, Cognitive Science The question paper will have two sections I and II. First section will be testing on numerical, verbal and logical aptitude (35 marks). Second section will be Cognitive Science specific (40 marks).
Visit our website for more details on the course structure and faculty profile (https://sites.google.com/a/uohyd.ac.in/cncs), or (http://www.uohyd.ac.in).

School of Engineering Sciences and Technology (SEST)

About the School

School of Engineering Sciences and Technology (SEST) was established in the academic year 2008-09 with an objective to "impart research-oriented education and pursue high quality research in emerging multi-disciplinary areas encompassing science, engineering and technology". At present, SEST offers M.Tech. and Ph.D. programmes in Materials Engineering and in the near future, SEST intends to offer programmes in other frontier engineering disciplines. SEST provides an ideal environment to pursue cross-disciplinary research in engineering sciences and technology by taking advantage of the well-established facilities and expertise available within the School and on the University campus. SEST also collaborates with premier research institutions located in Hyderabad (namely DMRL, IICT, ARCI, NFC, NFTDC and RCI), most of which are also formally recognized as school's external research centres. The school has been recognized for its excellence by the DST with funding to the tune of Rs. 240 Lakhs under its FIST programme.

Programmes of Study

The School admits students to the M.Tech.(Materials Engineering), Ph.D.(Materials Engineering), and Ph.D. (Nanoscience and Technology) programmes.

The **M.Tech.** programme is of two years duration, of which the first two semesters will be devoted to course work. The curriculum lays emphasis on giving a broad exposure to all aspects of Materials Engineering, consistent with the interdisciplinary nature of the subject and students also take elective courses. The third and fourth semesters will be spent on a research project leading to a dissertation, which will have to be defended in a *viva voce* exam. Details of the course structure can be found on the University's website.

The **Ph.D.** programme involves carrying out research in the areas of interest to the faculty members of the School. The candidates have to undergo prescribed course work, the successful completion of which

is a pre-requisite for confirmation of Ph.D. registration. After completion of coursework, the student will undertake research under the guidance of a faculty member of the School. The progress of the student is reviewed periodically by a Research Advisory committee (RAC). Based on the recommendations of the RAC, research work can be carried out either within the University or at one of its formally recognized external research centres. The students are expected to actively participate in research seminars and submit progress reports of their research work. The Ph.D. requirements also include presentation of the research work in a comprehensive seminar prior to submission of the doctoral thesis and a subsequent oral examination in support of the thesis.

Faculty

Professors

M. Ghanashyam Krishna, Ph.D. (IISc, Bangalore) **(Dean-in-charge of the School)**

DibakarDas, Ph.D. (IIT, Bombay)

Associate Professors

Jai Prakash Gautam Ph.D. (TU-Delft, The Netherlands)

KoteswararaoRajulapati, Ph.D. (North Carolina State University)

Pradip Paik, Ph.D. (IIT, Kanpur) (on EOL)

Vadali V. S. S. Srikanth, Dr.-Ing. (University of Siegen, Germany)

Assistant Professors

Raj Kishora Dash, Ph.D. (RPI, USA)

Swati Ghosh Acharyya, Ph.D. (HBNI, Mumbai, India)

Venkata Girish Kotnur, Ph.D. (TU-Delft, The Netherlands)

Chair Professors

J.L. Strudel, Ph.D. (Berkeley, University of California), Ecole des Mines de Paris, University Chair professor

Visiting Professor

V. S. S. Sastry, School of Physics, University of Hyderabad

Entrance Examination

I. Admission to M.Tech. in Materials Engineering:
Admission to the M.Tech. programme shall be based on a valid GATE score, in order of merit, in Metallurgical Engineering. The number of seats in this programme will be 18.**The admission for this programme is through centralised counselling for M.Tech, i.e., CCMT.**

II. Admission to Ph.D. Programme in Materials Engineering:

Admission shall be based on a written test followed by an interview for short-listed candidates. The written test will consist of objective type questions. As per UGC 2016 regulations, the syllabus of the Entrance Test shall consist of 50% of research methodology and 50% shall be subject specific. The syllabus for the subject related questions will cover some or all of the following topics: Mechanical Engineering; Metallurgical Engineering; Physics; Engineering Sciences, Chemical Engineering, and Production and Industrial Engineering of BE/B.Tech level and Physics, Chemistry and Mathematics of M.Sc./B.Sc. level;.
JRF qualified candidates are not exempted from the written exam but they will be given weightage as specified.

Course Work Requirements:
Candidates admitted to the Ph.D. programme will be required to undergo a mandatory core course work, besides any additional courses that may be recommended by the doctoral committee to meet the demands of their research.

III. Admission to Ph.D. Programme in Nanoscience and technology:

Admission shall be based on a written test followed by an interview for short-listed candidates. The written test will consist of objective type questions. As per UGC 2016 regulations, the syllabus of the Entrance Test shall consist of 50% of research methodology and 50% shall be subject specific. The syllabus for the subject related questions will cover some or all of the following topics :Mechanical Engineering; Metallurgical Engineering; Nanoscience and technology; Physics; Engineering Sciences, Chemical Engineering, of BE/B.Tech level and Physics, Chemistry and Mathematics of M.Sc./B.Sc. level;.
JRF qualified candidates are not exempted from the written exam but they will be given weightage as specified.
Course Work Requirements:
Candidates admitted to the Ph.D. programme will be required to undergo a mandatory core course work, besides any additional courses that may be recommended by the Research advisory committee to meet the demands of their research.

IV. External Ph.D. Registration:

The admission procedure shall be the same as that in the case of regular admissions to the Ph.D. programmes.

Candidates admitted under this category shall be free to work at one of the School's formally recognized external research centres under joint supervision of a faculty member from the University and an approved Ph.D. supervisor from the recognized institution.

Candidates admitted will be required to undergo a mandatory one-semester of core course work, besides any additional courses that may be recommended by the doctoral committee to meet the demands of their research. Admission under this category will be made only if there are interested faculty members.

V. Foreign Candidates:
Foreign nationals seeking admission to the M.Tech./Ph.D. (Materials Engineering/ Nanoscience and Technology) programmes should also possess the requisite qualifications as in the case of regular students.
Candidates should have the ability to communicate in English and, in order to support this ability, a good score in TOEFL or a similar internationally recognized test is essential.

In addition, candidates should submit details of the course contents of the qualifying degree as well as letters of reference (along with contact information of the referees) along with their application.Admission under this category will be made only if there are interested faculty members.

Research Areas
There are four vacancies in Ph.D. (Materials Engineering) in the following areas: Mechanical behaviour of high entropy alloys; 3D printing; high temperature ferroelectrics; high temperature oxidation protective coatings.

There are three vacancies in Ph.D.(Nanoscience and Technology) in the following areas: Deformation behaviour of bulk nanostructured materials; oxide perovskite solar cells; nanocomposites.
It may be noted that these are broad areas of interest of faculty members interested in taking PhD students.

4
OTHER ACADEMIC CENTRES

College for Integrated Studies (CIS)

Introduction

In the process of the fulfilment of the set objectives of the University and for imparting specialized education to the students after their +2 level of education, a College for Integrated Studies (CIS) was established in the year 2006-07 to offer 5-year Integrated programs in several disciplines leading to Master's Degree.

Courses offered by the College

The College offers Master's Degree (5-year Integrated) courses in Sciences, Humanities, Economics and Social Sciences subjects.

a) The medium of instruction is English for all the courses except the language programs which are taught in the language concerned. The students admitted to language programs are required to do some common courses, which are taught in English medium. Therefore, proficiency in English is essential.

b) All courses are full time regular courses. Exit option has been introduced for students admitted from academic year 2015-16. The distinguishing features of the exit option are:

I.   It is available at the end of three years in the case of M.A. (5-year Integrated) (Humanities / Social Sciences / Economics) / M.Sc. (5-year Integrated) (Sciences) students. In the case of 5-Year Integrated M.Sc. Optometry and Vision Sciences/6-Year Integrated Optometry (M.Optom) Programme the 'Exit Option' would be given at the end of fourth year.

II.   Students who exercise 'Exit option' at the end of three-years of M.A. (5-year Integrated) / M.Sc. (5-year Integrated) will be given B.A./B.Sc. Certificates. Students in 5-Year Integrated Optometry and Vision Sciences/ 6-Year Integrated Optometry will get B.Optom. Certificate in Optometry at the end of four-years.

III. Students not exercising 'Exit option' will be given two degree Certificates – B.A/B.Sc and M.A./M.Sc at the end of five-years and B.Optom./M.Optom. at the end of six-years.

c) All eligible applicants will be called for the written test to be held at 38 centres, see Chapter 2. Proof of eligibility will be verified at the time of admission.

d) Written test for each of these programs is of two hours duration. It will consist of multiple choice (of four options) questions to be answered in the OMR sheet with black/blue ball point/sketch pen. The level of questions shall be consistent with +2 level of education. There is negative marking; each wrong answer shall be given -0.33 marks. Specific instructions will be given in question papers.

e) The minimum eligibility requirements and the schedule of written test for admission to the above courses are given in a tabular form at Chapter 2 of this Prospectus.

M.Sc. (5-year Integrated) Programs from the Science Schools.

The four Science Schools – School of Mathematics and Statistics, School of Physics, School of Chemistry and School of Life Sciences of the University offer Master of Science (5-year Integrated)

programs, in Chemical Sciences, Mathematical Sciences, Physics, and Systems Biology, through the College for Integrated Studies (CIS). The programs are open to all students who have completed/expect to complete +2 stage with at least three of the four subjects (Physics, Chemistry, Mathematics and Biology) as their optionals with a minimum of 60% at +2 level. The admission to M.Sc (5-Year Integrated) in Sciences (Mathematical Sciences, Physics, Chemical Sciences and Systems Biology) will be through a common entrance examination. The entrance examination consists of a written test for 100 marks. The written test paper contains 25 objective questions each in Maths, Physics, Chemistry and Biology at +2 level.

The curriculum is common to all the disciplines for the first four semesters. Students with biology background at the +2 stage and who had left mathematics after the 10th class are expected to put in the required efforts to learn mathematics. Similarly students who left biology at the +2 stage are expected to learn biology. Please note that Systems Biology require significant amount of Mathematics and Computation throughout the 5-Year programme. The University offers bridge courses in the first semester to facilitate this process. The students spend first two years of their programs at the CIS. The students are transferred to their parent Schools at the end of the fourth semester.

The students are allocated the discipline (subject) of their choice at the time of admission based on their performance in the entrance examination and their preferences.

M.Sc. (5-Year Integrated) Program in Health Psychology

The Centre for Health Psychology offers M.Sc. (5-Year Integrated) program in Health Psychology through the CIS. Students who have completed or expect to complete the +2 stage with either Science or Arts subjects with a minimum of 60% marks are eligible to apply for the program. The students spend two years at the CIS and are transferred to the parent centre at the end of fourth semester.

The admission to the Health Psychology program is through a written test (100 marks). It includes aptitude test for Psychology at +2 level and test for proficiency in English.

M.A (5-Year Integrated) Programs from the School of Humanities

The School of Humanities offers Master of Arts (5-Year Integrated) programs in three disciplines: Hindi, Telugu and Language Science. All students with a minimum of 60% marks at +2 stage are eligible to apply. The students spend the first three years at the CIS where they are exposed to the basics of several disciplines to provide them a broad foundation. They are transferred to their parent departments/centre at the end of the sixth semester.

There will be a common entrance test for admission to M.A (5-Year Integrated) in Humanities. The written test carries 100 marks. The question paper will be objective type consisting of three Parts: A, B, and C. In Part A, there will be 40 questions of one mark each to test the competence in the concerned subject to which a candidate seeks admission. Part-B will have 35 questions of one mark each to test competence in English. Part C will have 25 questions of one mark each to test the competence in the current affairs and general knowledge. Candidates should choose concerned subjects (Telugu and Language Science) in Part-A according to their options. Questions in Parts-B and C will be in English. The questions in Part-A will be in English for Language Science candidates, in Hindi and in Telugu for those who opt for Hindi and Telugu respectively. Candidates will be eligible for admission, only to the subject that they choose for Part A of the written test.

M.A (5-Year Integrated) Programs from the School of Social Sciences and School of Economics

The School of Social Sciences offers Masters of Arts (5-Year Integrated) Programs in four disciplines: Anthropology, History, Political Science, and Sociology. The School of Economics offers M.A (5-Year

Integrated) in Economics. All students with a minimum of 60% at +2 level are eligible to apply. The students spend the first three years of their program at the CIS. They are transferred to their parent schools and departments at the end of sixth semester. The final two years of the M.A. (5-Year Integrated) in Economics programme are common with the M.A. Economics programme or with M.A. Financial Economics programmes allotted as per their choice at the end of three years.

There will be a common entrance test for admission to the M.A (5-Year Integrated) program in Social Sciences and Economics. Written test carries 100 marks divided into four parts (of 25 marks each) consisting of the following: Part A: Social Studies and General Awareness; Part B: Language and Comprehension; Part C: Reasoning Ability; and Part D: Quantitative Aptitude.

The students are allocated the discipline (subject) of their choice at the time of admission based on their performance in the entrance examination and their preferences.

Scribe for Visually Challenged Students

Scribe for Visually Challenged Students will be provided by CIS during end-semester examinations; Scribe should be a student of UoH; should not have opted the course for which he/she is writing the exam; An amount of Rs.300/- will be paid to the Scribe for each exam; Scribe should not involve in any unfair means / cheating during examination; Allotment of suitable Scribe rests with the Office of CIS

Social Immersion Programme by **University of Hyderabad (UoH) in association with National Council of Rural Institutes (NCRI)**

Social Immersion Programme (SIP) is experiential learning to familiarize the students, towards the rural life, to study its challenges, governance, citizenship and their effectiveness. Spread over 36 hours, across 16 villages in neighboring districts in Telangana, it acts as an eye opener providing insights into various dimensions of village administration, policy administration and the execution gaps, dispelling several stereotypes associated with the rural population at large. This program will operate in the III semester.

Selection Procedure

The following procedure shall be followed for selecting the candidates for different Master's Degree (5-Year Integrated) courses:

a) All eligible applicants will be called for the written test to be held at 38centers see **Chapter 2**.
b) The written test will be in the form of objective type questions of +2 standard; it will be for two hours duration to be answered in the OMR sheet with black/blue ball point/sketch pen. There is negative marking for wrong answers. Specific instructions will be given in the question paper/answer book.

The following criteria shall be followed, one after the other, to resolve the ties, when more than one candidates secure the same total marks in the entrance examination:
(a) *First criterion*: Marks obtained in the entrance examination (written test).
(b) *Second criterion*: Marks obtained by the candidates in the qualifying examination at (+2 level). If the final result is not available, then the marks upto the 1st year will be taken into consideration.
(c) *Third criterion*: Marks obtained in the next lower public examination (SSC/Matriculation or equivalent). Candidates whose result of the qualifying examination (+2 stage) is not declared may also apply for admission, see **Chapter 2**.

Sanjay Subodh, Ph.D (Chandigarh) – Medieval Indian Historiography, Science and Technology, Medieval Archaeology **(Director, College for Integrated Studies)**.

Krishnaveni Mishra, Ph.D. (JNU): Functional organization of eukaryotic nucleus, Epigenetics and Gene silencing **(Associate Director, College for Integrated Studies)**.

Centre for Modelling Simulation and Design

PREAMBLE:

The study of passage from the micro world of atoms and molecules to the macro world of solids, liquid and gases calls for an understanding of a variety of phenomena in physics, chemistry, biology, technology and related areas. Atomic lasers, molecular computers, drug-receptor interactions, industrial catalysts, lubricants, and industrially important materials form part of this continuum and an understanding of this evolution needs all the three components of research, viz. theory, experiment and computation. Computer-based simulations now form an integral part of modern research methodology and in this era of science-driven-engineering and directed basic research, the role of scientific research, based on modeling, simulation and design, is of paramount importance. The primary requisite in using the third avenue of research for solving complex problems is a working, state-of-the-art High Performance Computing (HPC) center.

The University of Hyderabad, having expertise in many of the above areas, fully appreciates the inter-dependence of Science, Engineering and Technology, and launched a uniquely conceived new programme of higher education and research. This initiative was launched through an imaginative programme of the UGC (recognizing the University for its Potential for excellence) by establishing a designated Centre for such activity (Centre for Modelling Simulation and Design – CMSD). This programme has been receiving generous support from DST under its FIST program.

CMSD aims to nurture cross-disciplinary bridges, which are effective in generating new knowledge and creative explorations. The human resources generated from such efforts will be invaluable. Training individuals and organizations in specific hardware and software, undertaking of consultancy and turnkey projects, help convert real life phenomena into appropriate mathematical and computational models etc., are some of the important tasks that CMSD has embarked on. This Centre became operational from its new premises in December 2004.

One of the unique academic features of this Centre is that all the active computational scientists working in widely different academic disciplines in the University Campus are Associate Faculty of the CMSD, and contribute their expertise and experience in furthering its academic objectives. Some of the research interests of these Members include: Physics of low dimensional systems, Topological defects in in fluids in restricted geometries, Critical phenomena in complex fluids and magnetic systems, Monte Carlo simulations and development of novel sampling techniques, Genomics and bioinformatics, Protein folding, Cognitive neuroscience, Computational intelligence, Natural language understanding, Very Large Scale Integration (VLSI), Quantum chemistry and Density Functional Theory, Molecular modeling, Drug design and delivery, Design of new materials etc. Short term courses have been so far conducted in the areas of Parallel Computing, Monte Carlo simulation, molecular modeling etc.

CMSD has been involved, over the past few years, in promoting and fostering multidisciplinary research programmes in *Advanced Computational Methods,* with focus on the core areas of Physics, Chemistry, Biology, Engineering Sciences and Computer Sciences, besides interest in related research areas like Finite Element Analysis as applied to Nanotechnology, Computational Fluid Dynamics, Ocean-atmosphere-climate Modelling, HighEnd-Visualization/Virtual Reality, Modelling and Simulation of large/complex Systems, etc.

COMPUTATIONAL RESOURCES at the CMSD:

Currently, CMSD is a 30.0 Teraflop Facility which is fully networked and consists of the following hardware:
- 6 SMP Systems with total of 192 CPUs [1 x IBM p690 (32 Power 4), 3 x IBM p690 (96 Power 4+), 1 x IBM p595 (64 Power 5)], 1 x IBM p595 (64 Power 5+) @ 2.3 GHz, 512 GBytes of main memory and 4 TBytes of storage.
- A CDAC PARAM SUN cluster consisting of 16 nodes (each with dual xeon processors) and 32 GB memory.
- High end workstations such as 6 x SGI Octone 2, 2 x SUN Blade 2000, 6 x IBM Intellistations etc.
- SGI Altix 4700 a 128 core (Dual Core, Itanium2 9150M 1.67 GHz) shared memory architecture based Unix server comprising of 512 GB RAM
- SGI Altix ICE 8200 EX Cluster [Enhanced] with 1024 core high performance, high throughput and high availability cluster comprising of 1 GB/core memory, built using Infiniband Interconnect.

SGI XE1300, 2 x Quad core @ 3.0GHz, 4 GB RAM, 146 GB HDDA 128 core Windows CCS/HPC Cluster.
- SGI IS4600 x 2, 100 TBytes of shared Storage system (FC, SATA) for delivering very demanding data intensive environment, leading to High Performance & Productive Computing Facility, through SGI Altix 450 x 2, 8 core, 48 GB RAM, Montvale 1.67 MHz storage servers.
- SGI Spectra T120 Library, 2 x LTO Gen-4 Drives scalable to 6, Spectralogic 100 slots and 60 units of Media, a good tape backup system to archive data with time stamping.
- Management Servers: SGI Altix 250 SERVER x9 (2U), 2 x Quad core, E5472, 3.00 GHz, 1600 FSB, 12MB Cache, 8GB RAM, 6 x 145GB SAS HDD/15K
- Parallel file system to allow bulk I/O operations.
- IBM POWER 7 - 755 Server with - 4 x 8 core 3.3 GHz Power 7 Processor, 2 x 146 GB DASD, 128 GB DDR3 RAM, Dual port 12x Infiniband HCA, 2 port 10/100/1000 Ethernet PCI Adapter, Primary OS – AIX – 16 Nos.
- IBM StoreWize V7000 based Storage with 60TB RAW Storage Capacity (30 x 2 TB Disks)
- One TeraFlop HPC Pedestral Server

CPU (40 Cores): 10 x Intel E3-1225v2, 3.6 GHz Max Turbo, Quad-Core Processors (64-bit), 8MB Cache supporting AVX, SSE4.1, SSE 4.2, Security instructions and VT extensions for Virtualization **Graphics**: Directx 11 with OpenGL 3 Graphics Kernel clocked at 650 base / 1250 MHz dynamic, 16 Unified Shader Units (EUs) with 1700MB Max Graphics RAM (P 4000)
Memory: 20GB DDR3 1333MHz (Inbuilt)
Memory Expansion:Expandable up to 160GB
HDD Storage: 1 x SATA Internal 500GB 7200 RPM (Inbuilt)
Solid State Storage: 320GB SSDs expandable (Inbuilt)
LAN: 10 x RJ45 Gigabit LAN with Diskless Booting Firmware
OS Support: Windows, Linux and Android (Multi-boot option)

To support various application domain areas the following software are deployed on the above hardware: Accelrys Suite, Gaussian 2003, MOPAC, Relibase+, Molpro, ADF, GCG Wisconsin, SPSS, Mathematica, Statistica, GAMS, RATS, Matlab with toolboxes, CFX 5.7, 3D Studio Max, iSIGHT Pro, BOS, BEAMPRO, GAMESS, SPARTAN 2003, NAG Fortran SMP Library, Empire 3D V4.2, Ansys Multiphysics, AWR (Microwave Office), Full Wave Sonnet, ArcGIS, ArcMIS, Cadence, ISATIS, TURBOMOL, Image Processing S/W like ERDUS, etc.
VISUALIZATION FACILITY:

- NVIDIA Quadro FX 5600 Active Stereo Graphics
  Card o   Windows XP Professional o 750GB SATA Disk Drives o 22" CD
    Monitor
- SGI Image generator – VN200 system,
  - DVD Drive, 2xGbE Ethernet,
  - Two quad-core Intel Xeon E5462 2.8GHz processors
  - 16GB DDR2 800 REG ECC Memory o NVIDIA Quadro FX 5600 Active Stereo
    Graphics Card o   SLES10 Linux o   160GB SATA Disk Drives o 22"
  LCD Monitor
- Christie Mirage HD6 3chip stereo DLP projector and
  Lens
- Screen – 9ft x 6ft fabric
- Crosspoint 450 Plus 84HVA Matrix Switcher RGB for
  Video & Stereo Audio
- Video and Audio interface – Extron RGB109
- Audio Amplifier
- NuVision Active Stereo Glasses
- NuVision Stereo Emitters (mid range)
- Wireless AMX control system
- CEI Ensight Application Software
- Remote Visualization Software Single User

Prof. Chakravarthy Bhagvati, Professor of the School of Computer/ Information Sciences is the **Professor-in-Charge of the Centre.**

Centre for Distance and Virtual Learning

The Centre is one of the oldest centres of the University of Hyderabad which was officially established in the year 1994, based upon the directions received from the UGC and MHRD. The Centre initially started with two diploma programmes. Presently it is offering Fifteen One year Post Graduate Diploma Programmes, which are employable, knowledge oriented and skill developing programmes. These programmes are offered through distance mode, i.e., correspondence cum contact programme. Most of the students are working employees, from various state and central government offices, few are IAS and IPS Officers lawyers, magistrates; some are executives from multi-national companies, corporate sectors, NGOs and also housewives. These distance programmes are also approved by the UGC-AICTE-DEB joint committee. In order to maintain the standards in the quality of teaching in distance courses, the regular faculty from the University have put their best efforts in designing the courses, framing the syllabus, development of study material and conducting the contact classes. The regular faculty are also involved in the examination and evaluation process. Though there is lot of demand all over the country for these courses, the university has not permitted to any study centres as the quality of teaching at the study centres will differ from the main campus. The students of these programmes have to attend 5 to 6 days for the contact classes once a year and except for some management courses, where the classes are twice in a year.

Programmes of study and eligibility:

S.No.	Programme	Eligibility
1)	PGDPM – Post Graduate Diploma in Project Management	Any graduate from a recognized University
2)	PGDLAN – Post Graduate Diploma in Library Automation & Networking	Any graduate in Library Science from a recognized University

3)	PGDCL&IPR – Post Graduate Diploma in Cyber laws & Intellectual Property Rights	Any graduate from a recognized University
4)	PGDBM – Post Graduate Diploma in Business Management	Any graduate from a recognized University
5)	PGDCE – Post Graduate Diploma in Communicative English	Any graduate from a recognized University
6)	PGDCJ&FS – Post Graduate Diploma in Criminal Justice & Forensic Science	Any graduate from a recognized University
7)	PGDG – Post Graduate Diploma in Governance	Any graduate from a recognized University
8)	PGDHR – Post Graduate Diploma in Human Rights	Any graduate from a recognized University
9)	PGDTSH – Post Graduate Diploma in Translation Studies in Hindi	Any graduate with Hindi as one of the subjects from a recognized University
10)	PGDTC – Post Graduate Diploma in Telecommunication	Any graduate with Maths and Physics or Electronics as subjects from a recognized University
11)	PGDMB – Post Graduate Diploma in Medicinal Botany	Any graduate from a recognized University
12)	PGDCAQM – Post Graduate Diploma in Chemical Analysis and Quality Management	Any graduate with Chemistry or B.Pharmacy as one of the subjects from a recognized University
13)	PGDENM– Post Graduate Diploma in Energy Management	Any graduate from a recognized University. Experience or prior working knowledge of Energy Sector is desirable
14)	PGDTMA- Post Graduate Diploma in Technology Management in Agriculture	Any Graduate (or) Graduate from a Recognized University with two years' experience
15)	PGDTTM – Post Graduate Diploma in Telecom Technology & Management	Engineering Graduate and Post Graduate in ECE/ECT information and Communication Technology (ICT) braches, M.Sc. Electronics (OR) Other Engineering Graduates and B.Sc Electronics with 2 Years' experience in Communication Field.

The programme mentioned at S.No: 14 & 15 jointly offered by NAARM & BSNL respectively.

Faculty:

Director   Prof. S. Jeelani
Specialization Pharmacognosy and Environmental Sciences, Vegetation Identification by using Satellite image data and Technology based Education.

Academic Coordinators:
Prof. Panchanan Mohanty, Dean, School of Humanities, PGDCE
Prof. B. Raja Shekhar, Dean, School of Management Studies, PGDBM
Dr. E Venkatesh, Dept. of Political Science, PGDG
Department of Plant Science, School of Life Sciences, PGDMB

Prof. Rajeev Wankar, School of Computer Information Sci., PGDCL & IPR
Dr. Chetan Srivastava, School of Management Studies, PGDENM
Prof. P K Panda, School of Chemistry, PGDCA&QM
Dr. Alok Pandey, Dept. of Hindi, PGDTSH
Dr. S.V.S. Nageswara Rao, School of Physics, PGDTC
Dr. Mary Jessica, School of Management Studies, PGDPM
Dr. Vartharajan, Librarian, IGM Library, PGDLAN
Dr. R Ramdas, Dept. of Political Sci., PGDHR
Dr. Gandhi P.C. Kaza, Truth Labs, Hyderabad PGDCJ&FS
Dr. C Raghava Reddy, Dept. of Sociology, PGDTMA
Dr. Samrat. L. Sabat, School of Physics, PGDTTM

Entrance Examination specific information (if any):

Since these are only Diploma Programmes, there is no entrance test. The admissions are based on Merit, Past Academic record and professional experience. Reservation exists in respect of candidates belonging to SC/ST/OBC/PH categories. Those pursuing Post Graduate degree courses in the University, Institutes/colleges can seek admission to these programmes. Students who are admitted to these programmes can also pursue full time or part time courses.

Any other information (if any):
As per the new MHRD and DEC, New Delhi, Guidelines, the centre has made all efforts for ICT based learning. It is in the process of developing a Virtual lab and Virtual class room for the students. It has converted all its study materials in to the soft copies for the easy accessibility to students.

In order to provide practical exposure and hands on experience in the relevant field, the CDVL has also offering some joint programmes i.e., PG Diploma in Telecom Technology Management (NATFM-BSNL), PG Diploma in Technology Management in Agriculture (NAARM-ICAR) and PG Diploma in Criminal Justice & Forensic Science (Truth Labs).

The Centre has also developed a Virtual Computer Laboratory and Virtual Class Rooms in the Second Floor of the CDVL at Golden Threshold Campus. For details the students can contact Centre for Distance and Virtual Learning, University of Hyderabad, G.T.Campus, Nampally Station Road, Abids, Hyderabad – 500001, Phone: 040-24600264, Website: www.uohyd.ac.in, E-mail: cdvl.uoh@gmail.com

Human Resources Development Centre

Introduction: Established in 1987, as a major initiative in augmenting quality in Higher Education, the UGC promoted 66 Academic Staff Colleges. In continuation of knowledge enhancement, new strategies of governance for promotion of innovations and creativity, the XII Plan guidelines have been proposed to transform the existing academic staff colleges into Human Resource Development Centres. In view of this change, the **Academic Staff College** is now called as **UGC- Human Resource Development Centre (HRDC).**

Infrastructure: The strength of this unit lies in the University of Hyderabad that harbors**12** Schools, **46** Departments, and approximately **400** faculty in different disciplines that include Humanties, Social Sciences and Sciences. University is rated as # 3 among the Indian Universities by Ministry of Human Resource and Development (MHRD). Please visit the University Website (http://www.uohyd.ac.in/). University faculty is well trained/experienced both in teaching and research, and many of them earned national and international recognition. The faculty generates a very high amount of extramural research grant. Science Departments, specially, have all the latest equipment to pursue the research in upcoming and established areas of research. The University has an excellent library, instrumentation and

computer facilities. In addition to having access to all these excellent infrastructural facilities of the University, HRDC has a good library of its own with 3780 books, several journals and magazines and a good computer laboratory with 50 systems which provides hands-on experience on MS Word, Power Point, Web Design, SPSS, e-Content, Wikipedia. MOOC and MOODLE to participants. Please see below the **Academic staff** at the Centre.

Accreditation: National Assessment and Accreditation Council (NAAC) Peer Review Committee from Ministry of Human Resource Development (MHRD) visited UGC- Human Resource Development Centre (formerly Academic Staff College) during January 19 – 21, 2012 for peer reviewing of its activities and accredited and given this UGC- Human Resource Development Centre (formerly Academic Staff College), University of Hyderabad as First rank in South India and Fourth rank in all over India.

Courses offered: The Center offers various Programmes/ Courses that include

a) <u>**Orientation Courses**</u> **(OC)** for a period of **four weeks** to train faculty in various Universities to understand the importance of linkage between education and society development, philosophy of education and paedogogical skills, research methodology /computer literacy and personal skill development

b) <u>**Refresher Courses**</u> **(RC)** for a period of **three weeks** in Sciences and Social Sciences to update the teachers with recent developments in their concerned disciplines

c) <u>**Short term courses**</u>, **not exceeding five days** that include professional development courses for newly joined faculty, administrators, principals, technical officers and librarians; and
d) **Seminars, Workshops and Conferences** in Science and Technology not exceeding one- two days on defined themes.

Till March 31, 2017, the Human Resource Development Centre has conducted a total number of 321 Courses, which include 97 Orientation Courses and 224 Refresher Courses. The training imparted by the Human Resource Development centre has benefited around 11304 teachers from different states of the country since its inception. Apart from training, faculty is also taking up the teaching assignments and research guidance in their respective departments. UGC, New Delhi however defines the courses offered by the center yearly and the Center implements them. The courses approved by UGC and are being conducted by the center in the current year can be seen under the **schedule 2016-17.** Approved courses will be conducted as per schedule subject to a minimum number of 30 candidates.

Academic Staff of the Centre:

Y. Narasimhulu, Ph.D (SV.Univ)
Director, UGC-HRDC, University of Hyderabad: (on EOL upto 14.04.2018)
Specialisation: Non-linear Differential Equations, Differential systems
Research Focus: Mathematics, Higher Education, Human Resource Management, ICT in Education, Educational Management

Kolluru V A Ramaiah, Ph.D (JNU)
Director In Charge
Professor, Department of Biochemistry, School of Life Sciences, University of Hyderabad
Specialization: Molecular Biology, Gene Expression,
Research Focus: Translational Regulation, and Unfolded Protein Response

S. Sudhakar Babu, Ph.D (HCU)
Associate Professor, UGC-HRDC, University of Hyderabad

Specialisation: Public Policy, Equality of Opportunities and Dalit Studies, Public Policy for Good Governance, Policy Studies, Civil Society, Training and Higher Education.
Research Focus: Training, Higher Education and Literacy.

In addition to its in-house faculty, as mentioned above, HRDC at the University of Hyderabad, invites a number of resource persons from various Schools in the University of Hyderabad and also from other Universities, training and research institutions, based on the recommendations of the respective course coordinators who are again drawn from various Schools of the University of Hyderabad.

Eligibility: Interested participants may check their eligibility under the section describing
The Center offers free boarding and lodging to participants attending the above courses and also TA to eligible participants attending Refresher and orientation courses. In case of eligible participants, who are not interested to using the free boarding and lodging facilities, the Center will pay @ Rs300/per day.

Interested Participants can reach us by phone or email.
Email: hrdcuoh@gmail.com **Phone:** 040-23132713; 040-23010834

5
ACADEMIC & STUDENT SERVICES

INDIRA GANDHI MEMORIAL LIBRARY:

The Indira Gandhi Memorial Library is a central facility providing information support for academic and research activities of the University. The Library was established in the year 1975 and shifted to the present building during 1988, inaugurated by His Excellency Dr Shankar Dayal Sharma, the then Vice-President of India and named after Late Prime Minister Indira Gandhi. All the in-house Library Operations are fully computerized including the Web OPAC using the international Library Management Software Virtua supplied by VTLS Inc., USA. The UGC-INFLIBNET has identified the Library as one of the 26 document delivery centres in India for providing photo copies of journal articles to the research scholars of other Universities. Since 1990, the Library has achieved several distinctions in the country:

a) The IGM Library is the first University Library to computerize all in-house operations.
b) The first Library to computerize other Libraries (Baba Saheb Ambedkar Open University, A.P., and State Central Library, Hyderabad, A.P.)
c) The first University Library to start PGDLAN Course under Distance Education mode since 1998
d) The first University Library to subscribe to Electronic e-journals and databases.
e) National Board of Higher Mathematics (NBHM) has identified this Library as Regional Library for Southern Region.
f) The first University Library to establish a Centre of competency in digital libraries and e-learning with the assistance of SUN Micro systems and UGC.
g) The first University Library to install 3M Security Gate to avoid book thefts.
h) The first University Library to become a governing member of OCLC, USA.
i) The first University Library, to install 100 KVA solar power system

The Library is kept open from 8.00 AM to 12.00 Mid-Night on week days and 9 a.m. to 5.30 p.m., on Sundays and other Holidays and 8.00 AM to 8.00 AM during summer/winter vacation. During Examinations period, it is kept open till 2.00 AM

2. Library collection:

The Library has rich collection of 4.53 lakh books, e-journals, e-books, reference books, serials, theses & dissertations, back volumes of journals, maps etc. The Library has a separate book bank for SC/ST students and 2500 braille books for visually challenged students.   Apart from this, the Library has received 642 books as gift from various sources worth approximately Rs.3.4 lakhs. The Library had renewed subscriptions to 230 plus print journals and 48 plus databases covering more than 40,000 e-journals.

3. Computerization:

The Library has excellent IT infrastructure to manage all in-house operations as well as to provide specialized information services to the faculty and students over the Campus network. The hardware consists of IBM servers, storage devices, ZEUTSCHEF book scanners, hand-hold laser scanners, laser printers and 60 PCs. The Library is using VIRTUA application software and operating systems like SOLARIS, UNIX/LINUX, WINDOWS XP and WINDOWS-7. The Library uses barcode scanners for issue, return and renewal of books for accuracy and efficiency. 24 PCs are placed at the entrance Lobby for OPAC, e-mail and internet browsing. Similarly, 8 PCs are kept in the Library reading halls exclusively for searching of book data bases. The Library is connected to the Campus Network through

100 mbps optical fiber channel. The Library resources can be searched over the internet through OPAC. The Library is enabled with WI-FI connectivity for the use of laptops.

4. Digital Library:

The IGM Library has established a model digital Library by signing MoUs with SUN Micro Systems and VTLS, USA. Under these MoUs, a Centre of Competency in Digital libraries and e-learning was established to undertake R & D activities by using Open Source Software and to create digital content in the University. Currently this facility is being used for conducting hands on training and practical classes for PGDLAN students. The Library is also a member of Universal digital project of Carnegie-Melon University, Pittsburg, USA(Million books to the Web). Under this project, a scanning centre was established in the Library to digitize rare books. The Library has signed MoU with UGC-INFLIBNET Centre, Ahmedabad, to digitize and upload full text Ph.D. theses submitted to University of Hyderabad. Already 1480 Ph.D. theses were digitized and uploaded to UGC-INFLIBNET project Shodh Ganga. The Library is also making efforts to establish ETD Lab. to digitize the remaining theses and upload to Shodhganga under special grants provided for this purpose by INFLIBNET.

5. Readers Services:

Every year 35,000 book transactions are made at circulation desks, i.e., issues, renewal and returns. Around 1600 visitors from other Universities and research laboratories visited the library for reference. The inter-library loan requests of the students, research scholars and faculty are being fully met with close co-operation from the local libraries. The Library has supplied 287 articles under the Document Delivery Service to research scholars of other Universities. Library orientation programmes are conducted to new students to familiarize them with the Library services, resource and rules. The Library is also conducting orientation programmes on Research methodology for social science research scholars. The website is meticulously designed with several e-resources, helpful to the Library user community.

6. Institutional membership:

Twenty Seven Research and Development Centres and Corporate organizations have enrolled/renewed themselves as institutional members by paying the prescribed annual membership fee, to make use of the Library resources and facilities.

7. Reprography services:

The IGM Library provides reprography (photocopying) service inside the Library to all its members. A private firm has been engaged for this service during the working hours to all the library users at a nominal charge of Rs.0.60Ps. On an average, 10,000 photocopies are taken out every day.

8. Facilities for the visually challenged:

Visually challenged students have access to library resources through 5 multimedia PCs with 'JAWS' and 'Krizwel' speech synthesizer software, which enables to read-out the documents placed on the scanner. In addition, two workstations with Zoomex, readers are added to scan and convert image into text on the screen to enable the students to hear and also save the text. This facility is extensively used by the visually challenged students to read and print without anyone's help. A separate Braille printer is provided for printing regular text in Braille.

9. Air-conditioned 24 x 7 Reading Halls:

The IGM Library has two separate reading halls next to the library, which are fully air-conditioned and kept open round-the-clock. Students can bring their personal books, issued books from the Library and

study in these halls without any disturbance. These reading halls have the capacity to accommodate 200 students at a time, and it is being used extensively. The reading halls are enabled with wireless network points, where students can search/browse e-journals subscribed by the library from their Laptops.

10. PG Diploma in Library Automation & Networking:

The IGM Library under the agies of the University Centre for Distance and Virtual Learning Started a highly focused one year course – PG Diploma in Library Automation and Networking (PGDLAN) in January, 1998. This course is the first of its kind in the country, where a University Library is conducting an advanced level course under Distance Education mode. Around 80-100 students are admitted every year.

Central Instruments Laboratory (CIL)

Central Instruments laboratory (CIL), is a central facility with state of art analytical Instruments to cater to the needs of the Science Schools and other institutions. The list of instruments at CIL covers broad based fields viz., microscopy, diffraction, calorimetric based and magnetic property measurement. These Instruments can also be used round the clock. The list of instruments are : Environmental Scanning Electron Microscope (SEM) with Energy Dispersive Spectrometer, Powder X-Ray Diffractometer (XRD), Vibrating Sample Magnetometer (VSM), Electron Spin Resonance (ESR) Spectrometer, Circular Dichroism (CD) Spectrometer, Differential Scanning Calorimeter (DSC), Thermogravitometer-DTA (TG-DTA).

The areas of specialization of the CIL include Mass
Spectrometry, Radiation Spectroscopy (X-Ray, UV-VISIR), Microscopy, Advanced Electronics, Design and Development of Microprocessor and Microcontroller – based Systems, Embedded Systems, Advanced Instrumentation systems design and maintenance.

Computer Centre

The Computer Centre was established in the year as a central facility. It was established to facilitate, foster and support the essential teaching and research goals of the University of Hyderabad through deployment and delivery of computing and communication services to the University's faculty, students, officers, and staff. To assist research, there is a wide range of computing environment available, backed by staff with considerable expertise to assist researchers. Currently the Centre has systems, which provide Windows and Linux environment to the users.

The Centre is having Internet/Email, programming, and word processing rooms to enable users to execute various tasks. The Centre has several Pentium systems. The Centre also has Color and Black/White Laser printers, Scanners, LCD Projector.

The Computer Centre also conducts short term courses/workshops which are relevant to the academic activities of the community as well as to enhance the skills of office automation among non-teaching staff.

The Computer Centre offers advice and consultancy to users and assist in solving problems of users might have on their equipment.

Health Care

The University Health Centre, managed by a team of doctors, supported by nurses / para medical staff caters to the basic Out Patient treatment and few beds for emergency Inpatient treatment. The health Centre has an X-Ray Unit, an ECG machine and laboratory for conducting various clinical

investigations. Physiotherapist will be available on specific days. The services of a **Student Counselor** is available near the Chief Warden's Office. Round-the-clock **Ambulance** facility is available for emergency purposes in addition to the Emergency Ambulance (108) provided by the Govt. of Telangana.

At the time of admission every student shall submit a physical fitness certificate and also **an undertaking to the Health Centre, signed by the parent/guardian to the effect that "any hospitalization/medical treatment expenses shall be borne by the parents/guardians of the student concerned and the university is not responsible for treating the major diseases/ailment occurred while pursuing studies in the University."**

However, the University will assist them in providing a Medical Insurance Card (valid for one year) from a standard insurance company, which they may use for hospitalization.

Hostel Accommodation

There are altogether 21 hostels on the campus, of which 13 are for men and 8 are for women. Foreign students, unless they opt not to, are accommodated at the Tagore International House.

In view of increased intake and paucity of Hostel accommodation, the University will try to accommodate all students admitted into various programmes / courses needing hostel. However, hostel will be allotted to students based on the distance from their present place of residence with sufficient proof.

No hostel accommodation will be provided to the students admitted from the places within the limits of 50 kilometers of distance.

The hostel accommodation will be provided subject to the availability of seats in the hostels for the programme period only i.e. a maximum period of **two** years for PG course, **three** years for MCA. and MPA Theatre Arts, **Two** years for M.Phil., **Five** years for Ph.D. and **Five** years for Integrated Masters. **In no case, the stay will be extended beyond the above stipulated period.**
The students are required to submit '**Proof of nativity**' at the time of hostel admission. They can submit a 'Nativity/Residence Certificate' issued by the Revenue Officer/ Tahsildar or any other relevant certificate issued by the competent authority of their respective native place as proof of residence.

Mess facility attached to different hostels is compulsory and is completely managed by the bonafide boarders. Even if a boarder does not avail him/herself of the mess facility, a certain minimum charge will be levied as decided by the Chief Warden from time to time. The average vegetarian monthly mess bill at current prices (Breakfast, Lunch and Dinner) works out to approximately Rs. 1600/-. The rules and regulations are mentioned in the Hostel Hand Book which gets periodically updated at the University's website. The hostel handbook is binding on all boarders.

Students Welfare

The office of the Dean Students' Welfare looks after the welfare of the students with the active support from the elected representatives of the Students' Union body, Chief Warden, Wardens, IIC (GS-CASH), Proctoral Office, and coordinators of programmes like NSS, Remedial coaching, JRF coaching and Competitive examinations coaching. A Student Counselling Service by professionals is available with the DSW office. In case of any student requiring parental help/guidance, his/her parents will be informed accordingly.
There is a Students' Union which caters to the students' interests and promotes cultural and sports activities. The elections to the Students' Union are conducted/ coordinated by the DSW office.

Discipline among students

All powers relating to discipline and disciplinary action related to the students of the University are vested with the Vice Chancellor. He may delegate all or any of his powers as he deems fit to any of the officers of the University.

Ban on ragging on the campus: Ragging, use of alcohol, banned drugs, drug trafficking and eve teasing, which are criminal offences, are strictly forbidden in the University and persons found indulging in such activities will be subjected to strict disciplinary action in keeping with the law of the land. Indulging in any criminal activity within or outside the University and any physical violence against fellow students and fellow residents will not be tolerated and will attract stern disciplinary action including rustication. As per the orders of the "Hon'ble Supreme Court of India" if any incident of ragging comes to the notice of the authority of the University, the authorities would expel him/her from the University.

Anti Ragging

"UGC Regulations on curbing the menace of ragging in higher educational institutions, 2009" are available on the UGC website i.e. www.ugc.ac.in . A nationwide toll free anti-ragging helpline 1800-180-5522 in 12 languages has also been established which can be accessed by students in distress due to ragging.

Psychological Counsellor:- University has appointed a Psychological Counsellor. The Psychological Counsellor is working with the Dean, Students' Welfare office.

The main purpose of appointing a Psychological Counsellor is to advice/counsel the needy students at the right time on 24.x7x365 basis. A wide publicity of contact and office details has been given to enable University students to avail the services of Psychological Counsellor in times of need.

Equal Opportunities Cell: - As per UGC (Promotion of Equity in Higher Educational Institutions) Regulations Act, 2012 University has created an Equal Opportunities Cell. Prof. Sarat Jyotsna Rani, Department of Telugu has been appointed as Anti-Discrimination Officer. The Equal Opportunities Cell performs the following duties:-

1. The Anti-discrimination Officer shall receive the complaints about discrimination or harassment as defined in UGC (Promotion of Equity in Higher Educational Institutions) Regulations, 2012 in writing from a student or a parent of a student irrespective of whether the discrimination or harassment is alleged to have taken place within or outside the Institution,
2. On receipt of a written complaint the Anti-discrimination Officer shall initiate follow up action including preliminary fact finding enquiry, if he considers necessary.
3. On receipt of inquiry report, the Anti- discrimination Officer shall submit her/ his recommendations to the Institution in case of Students for taking appropriate follow up action in accordance with the provisions of the Statutes of Ordinances or regulations of the University or the UGC Regulations.
4. In case of Teachers and Non- Teaching Staff, the Competent Authority of the University upon receipt of the enquiry report shall take appropriate action in accordance with the provisions of the Statutes or Ordinances of Regulations of the University of the UGC Regulations.

Proctorial Board:- The Proctorial Board shall examine all disciplinary and related issues pertaining to the students. All students' misconduct/ indiscipline related cases shall be brought to the notice of the Chief Proctor. Based on the gravity of the case, the Proctorial Board shall make appropriate recommendations to the Vice- Chancellor after thorough enquiry on the incident/s.

Committee on violence against women and Sexual harassment:- As per MHRD Notification No.F.91-1/2013 (TFGS) dated 02.05.2016 published in the Gazette of India, The GS-CASH (Gender

Sensitivity – Committee against sexual harassment) has been renamed as *Internal Complaints Committee (ICC)* with the composition of the following: Presiding Officer, Members, Ex-Officio Members, Third Party Representatives, Elected Members and others to combat Sexual harassment against women on the campus.

UGC ENRICHMENT PROGRAMME: Spoken English and Grammar for SC, ST, OBC (Non-Creamy Layer) and Minority Students.

The University Grants Commission (UGC) has introduced Enrichment Programme in various universities and colleges to benefit the students belonging to the underprivileged sections in academic institutions. The University of Hyderabad has taken an initiative to tap the opportunity to benefit the SC, ST, OBC (Non-Creamy Layer) and Minority students. The University has been organizing this programme for the last few years. Apart from remedial coaching in various subjects across the departments, spoken English and grammar at both the levels- basic and advanced is being conducted in the university. Subject tutors have been taken on temporary basis to teach spoken English and grammar through innovative methods. This programme is conducted twice an academic year through a semester system. Weekly tests are conducted to assess progress. Gradation is assessed based on the performance of the students in the class. At the end of each semester, certificates are issued to them.

UGC JRF/ NET and UPSC, TSPSC, APPSC Coaching Classes:- The Office of the Dean, Students' Welfare is conducting UGC JRF/NET remedial Coaching Classes, with the help of coordinators of these programs for the benefit of the University Students. Apart from the regular coaching classes, subject to availability and allocation of funds and depending on the response of the students, the Office of the Dean, Students' Welfare and coordinators organize Coaching Classes for UPSC, TSPSC, APPSC and various other group exams by engaging outside professionals from the concerned fields.

Games and sports

The Department is equipped with a centre for Games and Sports. The centre consists of a well-equipped international standard indoor stadium accommodating indoor games like shuttle badminton, table tennis etc.

The centre is also now equipped with a Fitness Centre where students can participate in various fitness programs. This centre is catering to the needs of fitness through the state of the art equipment, and the fitness centre is poised for further development in the present year.

The department also houses a Yoga Centre in which Yoga classes are given for the students and other interested university community.

The department also is promoting the sports and games culture among the student community by well organizing coaching camps in various disciplines for the University teams.

The department recently added two Synthetic Tennis Courts near Yoga Centre for the students and for the university community. A state of the art Indoor fitness centre and Gym is coming up at south campus for the students and University community.

A new 400 meters standard Athletic track is added to the department of physical education and sports for the use of students and university community.

The university is also a member of the Inter University Sports Board of India and its teams participate in Zonal and All India Inter University Tournaments regularly, apart from this the department also organizes annual inter school competitions to inspire the student community to involve in sports and games to improve their health status.

Financial Support

The University offers financial assistance to the students admitted to different programmes of study. Brief particulars of some of these scholarships/fellowships are as following:

Sl. No	Name of the Fellowship providing by funding body	JRF Rs. Per month	SRF Rs. Per month	M.Phil. Rs Per month	Ph.D. Scholars per month	per month
1	UGC	25,000/-	28,000/-	-	-	-
2	UGC - RGNF SC & ST	25,000/-	28,000/-	-	-	-
3	UGC - MANF	25,000/-	28,000/-	-	-	-
4	CSIR	25,000/-	28,000/-	-	-	-
5	DST-INSPIRE	25,000/-	28,000/-	-	-	-
6	DBT-JRF	25,000/-	28,000/-			
7	UGC BSR fellowship for Gate Students	24,800/-	27,900/-	-	-	-
8	UGC BSR fellowship for Non Gate Students	21,700/-	24,800/-	-	-	-
9	Non Net Fellowship for M.Phil. & Ph.D. Scholars	-	-	5,000/-	8,000/-	-
10	M.Sc. Biotechnology scholarship sponsored By JNU	-	-	-	-	5,000/.
11	P.G. Indira Gandhi Scholarship	-	-	-	-	3,100/-
12	Post Graduate Merit Scholarship Scheme for University Rank holders	-	-	-	-	3,100/-
13	GATE Scholarship	-	-	-	-	12,400/-
14	Swami Vivekananda Single Girl Child (SVSGC)Scholarship	25,000/-	28,000/-	-	-	-
15	Ishaan Uday for North Eastern Students	-	-	-	-	5,400/- (Gen) & 7,800/- (Tec/Prof. Courses)
16	Post Graduate Scholarship for Professional Courses For SC/ST (PGSPROF)	-	-	-	-	7,800/- (M.Tech) & 4,700/- (other then M.Tech)

Financial assistance to students admitted to Masters and Integrated Masters Programme:
Financial assistance under UoH financial assistance will be offered to a maximum of 600 students

admitted to Masters and Integrated Masters programme in an academic year @ Rs.750/- p.m. for a period of 10 months in an academic year. The norms including on the basis of Income criteria relating to sanction of this assistance will be notified separately each year.

Concessions to Visually Challenged students:

Concessions to Visually challenged students are provided by the University as per the UGC guidelines from time to time which interalia, include exemption from all kinds of fees, payment of Reader's allowance @ Rs. 1000/ p.m. in respect of PG/ M.Phil./Ph.D. (proposed to be enhanced Rs. 1000 to Rs. 1200 for UG/PG and Rs. 1000 to Rs. 1500 for M.Phil./Ph.D.) students, an annual grant of Rs. 500/- for guide charges, extra time of 20/30 minutes for writing examination paper of 2/3 hours respectively and permission to use a personal typewriter during examinations. In addition to this, the blind students are eligible for scribe charges @ Rs.150/- for Internal Exams/Term papers and Rs.300/- for end-semester examinations. Special stationary charges @ Rs.500 per annum.

Financial assistance from other sources: The University will facilitate all eligible to apply for the award of the following Scholarships given by the Govt. of India, Govt. of Telangana, Govt. of Andhra Pradesh and other State Governments subject to their fulfilling the conditions prescribed in each case.

a) Post Matric Scholarships Scheme for Minorities

b) Merit Cum Means Scholarship For Professional and Technical Courses CS

c) Post-matric Scholarship for Students with Disabilities

d) Scholarships for Top Class Education for students with disabilities

e) Top Class Education Scheme for SC Students

f) Post Matric Scholarship (PMS) for OBC students-Bihar

g) Post Matric Scholarship (PMS) for ST students-Bihar

h) Post Matric Scholarship (PMS) for SC students-Bihar

i) Post-Matric Scholarship for ST Students-Uttarakhand

j) Post-Matric Scholarship for SC Students-Uttarakhand

k) Post-Matric Scholarship for OBC Students-Uttarakhand

l) Post-Matric ST Scholarship SCHEMES

m) Post-Matric Scholarship for SC students Tripura

n) Post Matric Scholarship for OBC students Tripura

o) Dr. B.R. AMBEDKAR Post Matric Scholarship FOR Economically Backward Classes (EBC). – Tripura

p) NEC Merit Scholarship Tripura

q) Post Matric Scholarship (PMS) for ST students-Karnataka

r) Umbrella Scheme for Education of ST children - Post-Matric Scholarship (PMS) FOR ST students – Meghalaya

s) Post Matric Scholarship(PMS) for ST Students

t) Scheme for Award of Stipend to the schedule tribe students of Arunachal Pradesh

u) GOI National Merit Scholarship

v) GOI Post Matric Scholarships for SC/ST students

w) GOI Scholarships for non-Hindi speaking students for Post Matric studies in Hindi

x) GOI Scholarships for physically Challenged

y) GOI Scholarships for Ex-Servicemen/Freedom Fighters' children, Minority students

z) Scholarships of respective State Governments for EBC, OBC, Children of Political sufferers, minorities etc.

The University further grants fee concession to the SC/ST and OBC scholarship holders beyond the amount reimbursed by the respective Governments which shall be prospective if the Dept. of Social Welfare, Govt. of A.P. and Telangana States express its inability to reimburse the fee in full to the University in the case of the SC, ST and OBC scholarship holder of the State of A.P./Telangana.

Fellowships and Scholarships

1. Payment of scholarships awarded/funded by external agencies like UGC, CSIR, AICTE, ICSSR, ICMR, DST, DBT, DAE, NBHM etc. shall be made directly credited to the beneficiaries Bank account.

2. UGC JRFs pursuing their research work leading to M.Phil. & Ph.D. in Sciences, Humanities, Social Sciences, Performing Arts etc.

3. Rajiv Gandhi National Fellowships (sponsored by the Ministry of Social Justice for SC/ST candidates to pursue M.Phil. & Ph.D. Degrees): The SC/ST Scholars enrolled for Ph.D. and M.Phil. Programmes in the University have to apply for this Fellowship as and when the University Grants Commission issues the notification.

4. Maulana Azad National Fellowship (sponsored by Ministry of Minority Affairs to pursue M.Phil. and Ph.D. Degrees by minority students). The Minority scholars enrolled for Ph.D. and M.Phil. Programmes in the University have to apply for this Fellowship as and when the University Grants Commission issues the notification.

5. CSIR Fellowships: The CSIR JRFs pursuing research are paid a fellowship of Rs.25,000/ p.m. for a period of two years (JRF) which may be increased to Rs.28,000/ p.m. for the subsequent years (SRF). The upgradation to SRF will be as per the norms of the University and CSIR.

6. M.Phil. programme is three semester programme. M.Phil. students will be paid fellowship @ Rs. 5,000/- p.m. for three semesters only (funded by UGC). No further extension shall be given to the students beyond three semesters. However, the students if so desire can submit the M.Phil. dissertation within two semesters also.

7. Ph.D. Scholars will be paid fellowship @ Rs. 8000/-p.m. from the date of the Admission for a period of 3 years and extendable by one more year (funded by UGC) in exceptional cases with specific and tangible justification from the supervisor/Doctoral Committee.

8. The students admitted to M.Sc. Biotechnology are eligible for scholarship funded by the Dept. of Biotechnology, Govt. of India. The duration of the scholarship will be 4 semester/2 years subject to receipt of receiving grants from Department of Biotechnology.

9. Students admitted into **M.Tech CS/AI/IT, M.Tech IC Technology** and GATE qualified candidates admitted to M.Tech Materials Engineering and M.Tech Mineral Exploration will be eligible for AICTE fellowships as and when AICTE processes DBT scheme (No. of fellowships are restricted to the students intake approved by the AICTE).

10. The University Grants Commission on the basis of a recent initiative of MHRD, has introduced the Post- Graduate Merit Scholarship for University Rank Holders (in General and Honours courses at University levels). The selection will be purely on Merit basis and duration is for 2 years (20 months only).

11. The University Grants Commission, on the basis of a recent initiative of MHRD, has introduced the Post- Graduate Indira Gandhi Scholarship for Single Girl Child as an incentive for the parents to observe small family norms and duration is for 2 years (20 months only). The University extends fee waiver in case of such students. However, those who are eligible and received Indira Gandhi scholarship for single girl child will not be eligible for other fellowships.

12. The University of Hyderabad Students Assistance (UoH SA) will not be provided to the students who are drawing any Financial Assistance/Scholarship/fellowship from any other source.

The SC/ST/OBC candidates availing the benefits of Fellowships/Scholarships processed by the University are subject to verification of their Caste Certificate and Income certificate.

Placement Guidance and Advisory Bureau (PGAB)

The placement activities at the University of Hyderabad are coordinated through the Placement Cell which is advised by the Placement Guidance and Advisory Bureau (PGAB). The PGAB constitutes faculty placement coordinators of the various Schools/Departments who in coordination with the PGAB look after the placement for the students in the University. The placement coordinators are assisted by the student placement coordinators who play a vital role in the placements of the respective schools/departments.

The PGAB publicizes information about employment opportunities and makes information available to the students. Placement talks are arranged and facilities are provided for Campus interviews. The Placement cell facilitates the students of the University by way of guidance and advice in choosing their career.

Many leading and reputed Companies/Laboratories/ Institutes/Institutions/Financial Institutions, Government Organizations/Publishing Houses/Broadcasting and Media representative such as Tata Consultancy Services, Deloitte, Oracle, General Electric , Quadratyx ,ADP , ITC InfoTech , Terra Data, Polaris , HedgeLoop , Parexel international HSBC, JP Morgan Chase, DST Worldwide Services, Commvault, Intergraph, One Convergence, RGUKT, Cavium Net Works, Zen Technologies, AINS, Free Scale, Sri Ram Life Jaro Education, Oakridge International School , Sri Chaitanya Junior Colleges/Techno Schools and to name a few, had Campus placements and recruited students at salaries ranging from Rs.3.50 Lakhs to Rs.12.00 Lakhs per annum.

In addition to placement activities, the Bureau also helps in offering career counseling and personality development services for the benefit of the students. The PGAB also arranges the related lectures/seminars/workshops for their benefit.

Placement Coordinator: (email: placementuoh@gmail.com; telephone number: 040 – 23011831 and 23132140).

6
TEACHING AND EVALUATION REGULATIONS

Special features

The special features of the University's academic set up include a favourable teacher student ratio (1:13) which is one of the best in India ; a flexible academic programme that encourages interdisciplinary courses and research. The assessment, including projects and examinations of the 5-Year Integrated PG/Postgraduate courses is continuous and internal.

Semester system

The courses are organised on the semester pattern. The academic year consists of two semesters of 16 to 18 weeks each. July – December is the Monsoon and January – June is the winter semester.

Continuous internal assessment

The examination system of the University is designed to test systematically the student's progress in class, laboratory and field work through continuous evaluation in place of the usual "make or mar" performance in a single examination. Students are given periodical tests, short quizzes, home assignments, seminars, tutorials, term papers in addition to the examination at the end of each semester. The final result in each course is calculated on the basis of continuous assessment and performance in the end semester examination.

Attendance and progress of work

A minimum attendance requirement of 75% of the classes actually held in each course (at least 60% if the same course is repeated for writing the end-semester examinations) and participate, to the satisfaction of the School/Department/Centre, in seminars, sessional and practicals as may be prescribed, mandatory. The progress of work of the research scholars and their attendance is regularly monitored by their supervisors. **Absence from classes continuously for 10 days shall make the student liable to have his/her name removed from the rolls of the University.** Absence on medical grounds should be supported by a certificate which has to be submitted soon after recovery to the respective School/Department/Centre. Dean's of the Schools can condone the requirement of Minimum attendance upto 5% only for regular or repeat courses.

Summer Semester

In order to help the I.MA/I.M.Sc. (5-Year Integrated) students having more backlogs than allowed, classes will be held during May/July subject to the availability of the teachers. This will be offered at College for Integrated Studies (CIS) for students to clear their backlogs for courses offered at CIS.

Evaluation regulations

1. The performance of each student enrolled in a course will be assessed at the end of each semester. Evaluation of all P.G., M.Phil., M.Tech and Integrated PG courses is done under the Grading System. There will be 7 letter grades; A+, A, B+, B, C, D and F on a 10 point scale which carries 10,9,8,7,6,5,0 grade points respectively.

2. The final result in each course will be determined on the basis of continuous assessment and performance in the end semester examination which will be in the ratio of **40:60** in case of **theory** courses and **60:40** in **laboratory** courses (practicals).

3. The mode of continuous assessment will be decided by the School Board concerned. The students will be given a minimum of three units of assessment per semester in each course from which the best two performances will be considered for the purpose of calculating the result of continuous

assessment. The record of the continuous assessment will be maintained by the School/Department/Centre.

4. At the end of the semester examination, the answer scripts shall be evaluated and the grades scored by each student shall be communicated to the Dean of the School/Head of the Department/Centre for onward transmission to the Office of the Controller of Examinations. Wherever required, the Dean / the Head of the Department/Centre along with the teacher concerned may moderate the evaluation.

5. (a) Students should obtain a minimum of 'D' grade in each course in order to pass in the Postgraduate, M.Tech and Integrated PG courses. Students who obtain less than 'D' Grade in any course, may be permitted to take the supplementary examination in the course/s concerned within a week after the commencement of the teaching of the next semester or in accordance with the schedule notified. Appearance at such examinations shall be allowed only once. Those students who get less than 'D' grade in the supplementary examination also shall have to repeat the course concerned or take an equivalent available course with the approval of the Head of the Department/Centre and the Dean of the School concerned. Such approval should be obtained at the beginning of the semester concerned.

(b) In order to be eligible for award of medals/prizes and ranks etc., the students should complete the course within the prescribed duration **without availing supplementary or repeat** examinations. Further, Grade value obtained in the **supplementary/ repeat/improvement** examination **shall not be taken into account for the said purpose**.
Candidates attempting in Supplementary/Improvement exams are also not eligible for medals.

(c) Medals are awarded to only those who have passed/completed the course in that 2017-18 academic year only.

6. (a) A student of PG/ /M.Phil, and M.Tech**,** is expected to clear more than 50 % of the courses offered in that semester in order to be promoted to to the next semester A student may have a maximum of two backlogs where the number of the courses in a semester are four and a maximum of three backlogs where the number of courses in a semester are more than four at any given point of time including the backlogs of the previous semester, if any.
(b) A student of I.M.A./I.M.Sc. (5-year Integrated is expected to clear more than 50 % of the courses offered in that semester in order to be promoted to to the next semester subject to a maximum of 5 backlogs at any given point of time including the backlogs of previous semester/s, if any.
(c) I.M.Sc students admitted from 2017-18 must clear all their backlogs accumulated during their first 2 years before moving to 3rd year or Vth semester. Similarly, I.M.A. students admitted from 2017-18 must clear all their backlogs accumulated during their first 3 years before moving to 4th year or VIIth semester. In case, I.M.Sc/I.M.A students admitted from 2017-18 does not clear all their backlogs accumulated during first two/three years respectively, then they will not be allowed to move to the next semester.

7. The qualifying marks for the dissertation/project report / monograph/ research paper in the M.Tech courses shall be 50%. Students who obtain less than 50% or 'D' grade in the dissertation/ monograph/ research paper will be required to rewrite it within such extra time as may be allowed by the University based on the recommendation of the Supervisor(s) and the Department/Centre/School concerned.

8. Students who are permitted to appear in supplementary examinations in course/s in accordance with clauses 5(a) above will be required to apply to write the examination concerned in the prescribed form and pay the prescribed examination fee by the date prescribed for the purpose.

9. (a) A student in order to be eligible for the award of M.A., M.Sc., MCA, MBA, MPA, MFA and Integrated PG Courses must obtain a minimum of 'D' grade in each course. The results of successful candidates will be classified as indicated below on the basis of the CGPA:

CGPA of 8.0 and above and up to 10.0	I Division with Distinction
CGPA of 6.5and above and < 8.0	I Division
CGPA of 5.5 and above and < 6.5	II Division
CGPA of 6.0	II Division with 55%
CGPA of 5.0 and above and < 5.5	III Division

(b) To satisfactorily complete the programme and qualify for the degree, a student must obtain a minimum CGPA of 5. There should not be any 'F' grades on records of any student for making himself/herself eligible for award of the degree.

The division obtained by a student will be entered in his/her provisional cum consolidated grade sheet and in the Degree certificate.

10. (a) A student in order to be eligible for the award of the M.Tech degree must obtain a minimum of 50% in each of the courses She/he takes as well as in the dissertation / project report/ monograph. The results of the successful candidates will be classified as below:

CGPA of 8.0 and above and up to 10.0	I Division with Distinction
CGPA of 6.5and above and < 8.0	I Division
CGPA of 5.5 and above and < 6.50	II Division

There is no III Division in these programmes

(b) To satisfactorily complete the programme and qualify for the M.Tech. degree, a student must obtain a minimum CGPA of 5.5. There should not be any 'F' grades on the records of any student for making himself/herself eligible for award of the degree.

The division obtained by a student will be entered in his/her provisional cum consolidated marks sheet and the degree certificate.

11. No student shall be permitted to take a supplementary examination for the second time of the same course except in the case of one repeating the entire course.

12. Students who are not found eligible to take semester examinations and also those who are not promoted to the next semester of the course may be considered for **readmission** to the concerned semester of the immediately following academic year. Such students should seek **readmission** before the commencement of the classes for the concerned semester or within a week of the commencement of the concerned semester if they are appearing in the supplementary examinations. Such students are given an option either to undergo instruction for all the courses of the semester concerned or to undergo instruction in only such courses in which they have failed on the condition that the option once exercised will be binding on the student concerned.

13. at the specific written request of the student concerned, answer scripts of the semester examinations may be shown to him/her, but not returned to the candidates The result of the continuous assessment of the students will, however, be communicated to students immediately after the assessment.

14. **No request for re-valuation shall be entertained**. However, every School/Department/Centre shall constitute a **Grievance Committee** consisting of 3 or 4 teachers to examine the complaints received from the students of the School regarding their assessment. Such requests from the students should reach the Dean of the School / Head of the Department/Centre within 15 days of the announcement of the results.

Note: If a student is not satisfied with the evaluation by the School/Department/Centre level Grievance Committees, the Dean of the School/Head of the Department/ Centre on a request from the student may refer the matter to the Controller of Examinations for getting the paper evaluated by an external examiner, whose evaluation will be final. The fees for external evaluation in all such cases shall be Rs. 50/- per paper which shall be paid by the student concerned.

15. (a) Students absenting themselves after payment of fees from a regular semester examination are permitted to appear in the supplementary examination subject to fulfilling the attendance requirement . The application for the supplementary examination in the prescribed form along with the prescribed fee should reach the office of the Controller of Examinations through the Department/Centre/School concerned by the date prescribed.

(b) Students may opt a audit/Extra course within the Department or outside, provided he/she fulfils 75% of attendance requirement for an audit/Extra course for including it in the additional grade sheet.

(c) Option once exercised for audit/extra courses shall be final.

Improvement examination

i) The facility for improvement shall be open to all students securing 'D' grade and above and who want to improve their grade irrespective of the CGPA obtained by them. However, one should clear all courses of a particular semester in which he/she intends to take an improvement examination. Appearance at such examination in the course will be allowed only once. One can improve a maximum of four courses of their respective programmes as detailed below:

One course at the end of the first semester, two courses at the end of the second semester, three courses (to be taken from 1st & 3rd semesters) at the end of the third semester and four courses at the end of the fourth semester. No further chance will be given under any circumstances.

ii) The improvement examinations will be conducted along with the supplementary examinations within a week of the commencement of the teaching of the next semester or as per the schedule prescribed.

iii) For the purpose of determining the Division, the better of the two performances in the examinations will be taken into consideration.

iv) The grade sheet of a student will indicate full information of the examinations taken by him/her. Both the Grades obtained in the 1st and 2nd attempts will be shown in the grade sheets.

v) The Application for improvement examination in the prescribed form along with the prescribed Examination Fee should reach the office of the Controller of Examinations within a week of the commencement of the teaching of the next semester through the School/Department/Centre by the prescribed date.

vi) Students who have completed the course without availing the improvement facility in accordance with the schedule prescribed by the University are allowed to avail the un-availed chances within a maximum period of six months after completion of the course. Such exams are to be taken when the regular or supplementary/improvement exams are held.

Special Supplementary Examinations: The PG and 5year Integrated PG students who after completion of the prescribed duration of the course are left with backlogs are eligible to appear for special supplementary exams subject to a maximum of two courses where number of courses in a semester are four and a maximum of three courses where the number of courses in a semester are more than four. Appearance in such exams shall be allowed only once. Special supplementary exams are to be conducted when the regular supplementary/ improvement exams are held.

Note : Supplementary and Special Supplementary examinations cannot be written in same semester.

Evaluation of M.Phil. dissertation

Students will give pre-submission seminar on the M.Phil dissertation.
Schools/Departments/Centres will hold it before submission of the dissertation.

Note: **University has adopted UGC Regulations 2016 for M.Phil./Ph.D courses. All conditions mentioned in it and any further modifications will apply for these courses.**

Evaluation of M.Tech. CS/AI/IT dissertation & MCA Project work

1. The dissertation of M. Tech. and M.C.A. project will be evaluated in two phases viz., mid-term and final. Midterm is for 40% and the final is for 60%.
2. The midterm and final evaluation will be done by a Board of examiners and the students have to present the work done by them.
3 (i) The provisional certificate-cum-consolidated grade transcript shall contain the CGPA and the division also. This document shall also contain classification of the results under letter grade system .
(ii) An additional grade sheet will be given to the students for the audit courses taken by them without attributing the credits, and also for the courses taken by them having credits which are not counted for the award of the degree and the credits scored by them for the extracurricular activities like NSS, literacy programme etc. The audited courses will be included in the additional grade sheet, based on the certification given by the teacher concerned and recommended by the Head of the Department and Dean of the School concerned.
(iii) In the degree certificate, the division will also be mentioned.
(iv) In addition to the above provisions, the existing evaluation regulations in the University shall be applicable in the other matters, wherever required.

Bridge courses for SC/ST Ph.D. scholars

Students from the SC/ST category who are admitted to **Ph.D.** programmes and identified with some academic deficiencies have to study Bridge courses for a maximum period of 2 semesters to enable them to pass the course work and this period will not be counted against the maximum period (5+1 year) allowed for submission of the thesis.

Course work for M.Phil and Ph.D. scholars

It is expected that every student admitted to a M.Phil./Ph.D. programme shall satisfactorily complete the course work prescribed by the School/Department/Centre. The course work shall be for 12 - 16 credits which may be distributed among different components as decided by the respective Department/Centre and approved by the School Board. The M.Phil./Ph.D. students should pass the course work by securing 55% of marks in each subject within a period of 2 semesters. No student shall be permitted to work on the research project without completion of the course work. The provisional admission of the candidates who fail to complete the course work in the above stipulated period stands cancelled automatically. This shall also apply for the Ph.D. students registered for part time, external category. The result of the course work shall be declared as pass or fail.

Note: Those with an M.Phil. Degree though exempted from the course work will undertake such course work as recommended by the Supervisor/Research Advisory Committee and approved by the School Board. In the case of M.Tech. students admitted to Ph.D., they will be required to do the course work as prescribed by the Supervisor/ Research Advisory Committee to be approved by the School Board for 12-16 credits.

Students should give an open pre-submission seminar on the Ph.D. thesis. Schools/ Departments/Centres should hold it before submission of the thesis.

Note: **University has adopted UGC Regulations 2016 for M.Phil./Ph.D courses. All conditions mentioned in it and any further modifications will apply for these courses.**

Medals for excellence in studies

With a view to encourage good performance in studies, the University has instituted several donor medals as detailed below**:**

S.No.	Name of the Medal	Course/Subject
	Donor Medals	
1	M/s Jindal Jubilee **Gold** Medal	M.Sc. Mathematics
2	M/s Narosa Publishing House Medal	M.Sc. Mathematics (Applied)
3	A.P. Mahesh Bank Medal	MCA
4	Bhagwat Saran Agarwal Memorial Medal	M.Sc. Physics
5	Prof. VV Sarma Memorial Medal	M.Sc. Chemistry
6	Prof. A.N. Radhakrishnan Memorial Medal	M.Sc. Biochemistry
7	KLN Reddy Medal	M.Sc. Plant Biology & Biotechnology
8	Kottapalli Narasayya Medal	For a topper who secures highest marks in core subjects of M.Sc. Plant Biology & Biotechnology
9	Kiran Kumar Medal	M.Sc. Animal Biotechnology
10	Dr. Salam Khan Bio Asia Medal	M.Sc. Biotechnology
11	Pingali Mohan Reddy Medal	For overall performance in PG in Life Sciences
12	Electrotek International Inc., Chennai, **Gold** Medal	M.Sc. Ocean and Atmoshperic Sciences
13	Prof. Radhanath Rath Memorial Medal	I.M.Sc. Health Psychology
14	Sarojini Naidu Memorial Trust Medal	M.A. English
15	Roopchand Chajed (Jain) Medal	M.A. Hindi
16	Prof. P. Ramanarasimham Medal	For a topper in M.A. Telugu who secures highest marks in the following coruses put together : i) Introduction to General Linguistics ii) Evolution of Telugu Language iii) Structure of Modern Telugu iv) Comparative Dravidian
17	Sri Nittala Venkata Somayajulu Memorial Medal	M.A. Telugu – Special Reference to literature (Both Classical & Modern)
18	Mahakavi Dasu Sreeramulu Medal	M.A Telugu with special reference to Classical Literature
19	Dr. Prakash Moonis Memorial Medal	M.A. Urdu
20	Dr. Naushaba Hasnain and Prof. Syed Mohammad Hasnain Medal	For performance in PG courses of School of Humanities with a preference to M.A. Urdu, if the overall marks are 1% less than the topper in other subjects
21	Prof. Bhadriraju Krishnamurthi & Smt. Shyamala **Gold** Medal	M.A Applied Linguistics
22	Andhra Bank Medal	M.A. History
23	Alumni Medal (for a topper in Social Anthropology)	M.A. Anthropology
24	M/s Jindal Jubilee **Gold** Medal	M.A. Economics
25	Nataraja Ramakrishna Sharada Devi Medal	MPA Dance
26	Sri S L Parasher Medal	MFA Painting
27	Canara Bank Medal	M.A. Communication
28	Vasavi Academy of Education Medal	MBA

29	SBH Medal	M.Tech. CS
30	Alekhya Technology Medal	M.Tech. AI
31	IDRBT Medal	M.Tech. IT
32	Mannapalli Subbaramaiah Medal	For overall performance in M.Tech. CS/AI/IT
33	Tadinada Sri Mahalakshmi Medal	M.Tech. Mineral Exploration
34	Roopchand Chajed (Jain) Medal	M.Phil. Hindi
35	Akhtar Hassan Memorial Medal	M.Phil. Urdu
36	Prof. G.C. Jain Medal	M.Phil. Urdu
37	Prof. Kishore Saran Lal Medal	The best M.Phil thesis to be adjudged every year in History (special reference to Medieval Indian History 11th to 18th Centuries)
38	Dr. K. Kameswari Devi Memorial **Gold** Medal	The best thesis in Telugu to be awarded once in two years (even years only)
39	Dr. (Mrs) Sheela Raj Memorial Medal	The best Ph.D. thesis to be adjudged every year in History
40	Dr. Bhaskar Raj Saxena Memorial Medal	The best Ph.D. thesis to be adjudged every year in Hindi
41	Dr. Rajendra Kumar Nigam & Smt. Meera Nigam Medal	The best Ph.D thesis to be adjudged every year in Plant Sciences
42	Prof. A.S. Dash's Medal	Ph.D. Psychology (Best Ph.D. Thesis)
43	Sri Jatindra Mohan and Basantilata Medal	M.Sc. Biochemistry
44	Zen Tech **Gold** Medal	5-Year Integrated M.Tech. Computer Science
45	Dr. APJ Abdul Kalam **Gold** Medal	M.Tech. Materials Engineering
46	Sri Darla Abbai Memorial Gold Medal	M.A. Telugu with special reference to Indian Poetics & Literary Criticism
	Donor Medals for women toppers	
47	Prof. M. Shakuntala Memorial Medal	M.Sc. Physics
48	Dr. B. Venakta Rama Sastry Memorial Medal	M.Sc. Biochemistry (in the absence of woman topper), then for overall performance in PG in Life Sciences
49	Smt. Ravuri Kantamma Bhardwaja Medal	M.A. Telugu
50	A.P. History Congress Medal	M.A. History
51	Prof. G. Ram Reddy Memorial Medal	M.A. Political Science
52	State Bank of India Medal	M.A. Economics
	University Medals for PG Courses (Toppers)	
53	M.Sc. Statistics	
54	M.Sc. Molecular Microbiology	
55	M.Sc. Health Psychology	
56	Master of Public Health (M.P.H)	
57	M.A. Philosophy	
58	M.A. Applied Linguistics	
59	M.A Comparative Literature	
60	M.A. Political Science	
61	M.A. Sociology	
62	M.A. Anthropology	
63	MBA Health Care and Hospital Management	
64	M.F.A Print Making	
65	M.F.A Sculpture	

66	M.F.A Art History and Visual Studies	
	University Medals for Integrated PG Courses (Toppers)	
67	I M.Sc, Mathematics	
68	I M.Sc Physics	
69	I M.Sc. Chemical Sciences	
70	I M.Sc. Systems Biology	
71	I M.Sc. Optometry & Vision Sciences	
72	I M.Sc. Earth Sciences	
73	I.M.A Hindi	
74	I M.A Telugu	
75	I M.A Language Sciences	
76	I M.A Economics	
77	I M.A History	
78	I M.A Political Science	
79	I M.A Sociology	
80	I M.A Anthropology	

SC/ST Medals

The University has instituted medals for securing the first rank with first class in first attempt among the SC/ST students in various examinations at Master's degree level in the year 1991, the birth centenary of Bharat Ratna Dr. B.R. Ambedkar.

Duration of the courses

I. **The duration of the course for M.A., M.Sc., M.P.A., M.F.A., Degree courses and PG Diploma courses are as given below :**

1. Normally, the student is expected to complete his/her programme within the minimum period as laid down under the relevant Regulations of the University which should be in conformity with the UGC Regulations on the award of First Degree and Master Degree and also in line with the notification, issued from time to time, on Specification of Degrees under Section 22 of UGC Act, 1956.

2. A student who for whatever reasons is not able to complete the programme within the normal period or the minimum duration prescribed for the progrmme, may be allowed two years period beyond the normal period to clear the backlog to be qualified for the degree.

   a) Time Span = N+2 years for the completion of programme where N stands for the normal or minimum duration prescribed for completion of the programme.

   b) In exceptional circumstance a further extension of one more year may be granted. The exceptional circumstances be spelt out clearly by the relevant statutory body concerned of the University.

   c) During the extended period the student shall be considered as a private candidate and also not be eligible for ranking.

Courses/Programmes	Course duration	Max. duration from 2016-17
Integrated courses with **Exit option** from 2015-16	3 years	5 years
Integrated courses including 5 Year M.Tech.	5 years	7 years
I.M.Sc. Optometry & Vision Sciences (with exit option from 2015-16)	4 years	6 years
PG Courses	2 years	4 years
MCA, MPA	3 years	5 years
M.Tech.	2 Years	4 years
M.Phil.	3 semesters	4 semesters
Ph.D.	6 years	8 years for PWD and women Candidates only

Procedure for Readmission

The rule for granting readmission of students to first semester is as under :

1. The re-admission request of first semester students have not been attended a single class nor informed the School/Department/Centre concerned, of his/her absence need not be entertained and they may be rejected at School/Department/Centre level.

2. A minimum requirement of 25% attendance shall be insisted upon for considering the re-admission requests of 1st semester students. The requests of students having less than 25% attendance **need not be considered** and shall be rejected by the School/Department/ Centre.

3. Requests of students for granting re-admission to 1st semester, whose names have earlier been removed from the rolls of the University for various reasons (viz., non-submission of qualifying degree within the stipulated date, unauthorized absence for more than 10 days as per evaluation regulations, etc.) should not be accepted and forwarded by Schools/Departments/ under any circumstances.

4. Re-admission requests on medical grounds should be supported with proper medical and fitness certificate duly issued by the Competent Medical Authority (Not below the rank of Asst. Civil Surgeon) and also, such a certificate be obtained from the location where treatment was taken.

These regulations/rules shall come into force with effect from the academic year 2016-17.

Rules of Refund of Fees on account of withdrawal/cancellation of admission

The rules for refund of fee to students on account of withdrawal/cancellation of admission etc. approved by the University in **78th Academic Council meeting (item No.AC:78:2K17:14),** for implementation are given below for compliance by all concerned:

	Reasons for seeking refund	**Percentage of Refund of Aggregate fees ***
a)	When a student applies for withdrawal of admission 15 days before the last date of admission. i.e., **10TH August 2018**	100% Less : 10% Processing Fee
b)	When a student applies for withdrawal of admission after 15 days of last date of admission. i.e., **10th August 2018**	80%
c)	More than 15 days but less than 30 days after formally notified the last date of admission i.e., **10th August 2018**	50%
d)	More than 30 days after formally notified the last date of admission i.e., **10th August 2018**	Only Caution/Security Deposit

NOTE:

1. * Aggregate fee includes tuition and other fee but excludes Caution/Security Deposit

2. For all withdrawals under category (a) above, 10% processing fee in the Aggregate fee shall be charged.

Malpractices (Prevention and Disciplinary action) rules

In pursuance to the approval of the guidelines recommended to deal with cases of malpractices by the 76th Academic Council, the following rules are herewith notified. They shall be known as Malpractices (prevention and disciplinary action) rules:

A) DISCIPLINARY ACTION FOR MALPRACTICES / IMPROPER CONDUCT IN EXAMINATIONS

	Nature of Malpractices/Improper conduct	**Disciplinary action**
1 (a)	If the candidate possesses or arranges access in examination hall, any paper, note book, programmable calculators, Cell phones, pager, palm computers or any other form of material (in any forma) concerned with or related to the subject of the examination (theory or practical) in which he is appearing but has not made us of (material shall include any marks in any format (diagrams, clues, writing) on the body of the candidate which can be used as an aid in the subject of examination)	Expulsion from the examination hall and cancellation of the performance in that subject only.

(b)	If the candidate gives assistance or guidance or receives it from any other candidate orally or by any body language methods or communicates through any means with any candidate or persons in or outside the exam hall in respect of any matter.	Expulsion from the examination hall and cancellation of the performance in that paper only of all the candidates involved. In case of an outsider, she/he will be handed over to the police and a case is registered against him/her.
2	If the candidate has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to the subject of the examination (theory or practical) in which the candidate is appearing.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examination and project work and shall not be permitted to appear for the remaining examination of the subjects of that Semester/year. The Hall Ticket of the candidate will be cancelled and sent to the University.
3	If the candidate impersonates any other candidate in connection with the examination.	The candidate who has impersonated shall be expelled from examination hall. The candidate is also debarred and forfeits the. The performance of the legitimate candidate, who has been impersonated, shall be cancelled in all the subjects of the examination (including practical and project work) already appeared and shall not be allowed to appear for examinations of the remaining subjects of that semester/year. The candidate is also debarred for two consecutive semesters from admission class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. If the imposter is an outsider, he will be handed over to the police and a case is registered against him.
4	If the candidate carries in the Answer Book or Additional Sheet or takes out OR arranges to send out the question paper during the examination OR answer book or additional sheet, during or after the examination.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from admission class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of admission.
5	If the candidate uses objectionable, abusive or offensive language in the answer paper, or in letters to the examiners or communicates with the examiner in any form requesting her/him to award pass marks or makes any other request.	Cancellation of the performance in that subject.
6	If the candidate leaves the exam hall taking away answer script or intentionally tears off the script or any part thereof making it illegible in any form or outside the examination hall.	Expulsion from the examination hall and cancellation of performance in that subject and all the other papers the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from admission class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of admission.
7	If student of the School, who is not a candidate for the particular examination or any person not	Student of the school : expulsion from the examination hall and cancellation of the performance

		in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the admission. Person(s) who do not belong to the School/University will be handed over to police and a police case will be registered against them.
	connected with the school indulges in any malpractice or improper conduct.	
8	Copying detected on the basis of internal evidence, during evaluation or during special scrutiny as may be undertaken by the University.	Cancellation of the performance in that subject and all other subjects the candidate has appeared including practical examinations and project work of that semester/year examinations.
9	If any malpractice/misbehaviour is detected which is not covered in the above clauses 1 to 8 shall be reported to the University for further action to award suitable disciplinary action.	

Note: No supplementary examination shall be permitted for those students who are caught in cases of malpractice.

B)   The following shall be ensured by the School in preparations for examinations:

1. Physical (seating) arrangement shall be handled by the school in such a way that concerned teacher can effectively invigilate.
2. All stationery shall be provided by the school in the examination hall.
3. Question paper shall be brought in by the concerned teacher and the responsibility shall be lying with the concerned teacher.
4. Washrooms/lavatories etc to be cleared one day before the examination begins and every day thereafter till the end of the examinations.

As internal examinations (continuous evaluation) also affects term end examinations, therefore the following rules with regards to conduct of internal examinations have been made:

1. Teacher shall conduct a test each month avoiding the month in which end-semester exams are conducted.
2. The concerned faculty should mandatorily invigilate the semester end examination of his/her course.
3. The Deans/HoD's will ensure that tests are conducted every month using such means as found suitable.

C)   **Distribution of roles and responsibilities in the examination hall:**

S.No.		Responsibilities	
	Students	**Faculty**	**School Administration**
1	Shall not carry any material, phones except instruments to write , scale, pencil, scientific Calculator. Only admit card and stationery shall be permitted	Shall ensure the same	Frisking before entering the hall including checking for writing on body, hands etc.

2	Shall not talk, Communicate in any manner with anyone except the invigilator.	Shall invigilate personally with the assistance of scholars, office staff as needed.	Shall provide water etc. so that movements of the students are restricted.	
3	Shall not be allowed to go out during the first half-hour and not more than once during the examination.	Shall ensure that not more than one student goes out of the hall at any given time.		

Mode of Implementation: If a student is caught for malpractice by any official concerned with the conduct of examination, he shall be handed over to the Dean of the School. The Dean of School shall identify the Nature of malpractices/Improper conduct as indicated from 1 to 8 or 9 as the case may be in the table above at A, and forward all such cases to the Office of the Controller of Examination. The office of the Controller shall process the complaints and hand out disciplinary action as per the recommendations given against each case in the table at A.

The above rules are in force with effect from 1st July, 2016.

Guidelines on Anti-Plagiarism aspect of theses/dissertations

1. The similarity index for all theses/dissertations, i.e Ph.D, M.Phil. and M.Tech, shall be capped at 15% .
2. If a student is the first author, the similarity index of that publication is to be ignored while calculating the overall similarity index
3. Where the student is not the first author, the matter shall be taken up on a case by case basis on the recommendation of the supervisor and the HoD/ Dean of the school.
4. Either the paper published or the acceptance letter and abstract on the journals letter head/ official e-mail shall be required to be enclosed along with the thesis as annexure. This may also be mentioned in every chapter, if applicable, along with the details of the journal where the paper was previously published.
5. a. The format of Certificate to be attached to Ph.D. thesis is enclosed at **Annexure 1**.
   b. The format of certificate to be attached to M.Phil and M.Tech dissertations is enclosed at **Annexure 2.**

All efforts may be made so that the thesis/dissertation should not be a mere reproduction of the publications. The practice of using the complete extract of the publications in the theses/dissertations is to be discouraged and the supervisors should encourage the students to rewrite their papers.

Annexure 1

CERTIFICATE
(For Ph.D. Thesis)

This is to certify that the thesis entitled _____
Submitted by_____bearing registration number _____
in partial fulfilment of the requirements for award of Doctor of Philosophy in the School of _____ is a bonafide work carried out by him/her under my supervision and guidance.

This thesis is free from plagiarism and has not been submitted previously in part or in full to this or any other University or Institution for award of any degree or diploma.

Further, the student has the following publication(s) before submission of the thesis for adjudication and has produced evidence for the same in the form of acceptance letter or the reprint in the relevant area of his research: (**Note**: at least one publication in a refereed journal is required)

1._____(ISBN/ISSN Number_____),
Chapter of thesis where this publication appears (Delete if not applicable) _____,
2._____,
Chapter of thesis where this publication appears (Delete if not applicable) _____

and

has made presentations in the following conferences :
(**Note**: Delete if not applicable)
1._____, (National/International)
2. _____, (National/International)

Further, the student has passed the following courses towards fulfillment of the coursework requirement for Ph.D. has been exempted from doing coursework (recommended by the Research Advisory Committee) on the basis of the following courses passed during his M.Phil programme and the M.Phil degree awarded to him/her:

Course Code	Course Title	Credits	Pass/Fail
1.			
2.			
3.			
4.			

Supervisor   **Head of Department**   **Dean of School**

CERTIFICATE

(for M.Phil and M.Tech. Dissertation)

This is to certify that the dissertation entitled "……………………………………… ………………………………………………………………………………….. submitted by …………………………………………………………………………… bearing registration number ………….. in partial fulfillment of the requirements for the award of ……………………………………..in (subject)…………………………………is a bonafide and plagiarism free work carried out by him/her under my/our supervision and guidance.

The dissertation has not been submitted previously in part or in full to this or any other University or Institution for the award of any degree or diploma.

Supervisor/s   Head of the Department/Centre   Dean of the School

UNIVERSITY OF HYDERABAD

OFFICE OF THE CONTROLLER OF EXAMINATION
ENQUIRY COUNTER: Timings 9.30 am to 1 pm and 2 pm to 5.00 pm. Contact Ext. No. 2121
CHARTER OF SERVICES WITH FEES AND DURATION

	Examinations Section	Duration	Cost
1	Degree Certificate at Convocation	--	500/-
2	Degree in-absentia (Including Postal Charges)	Within 25 Days after Convocation	700/-
3	Degree before Convocation	20 Days	1000/-
4	Degree for Foreign Nationals	20 Days	$75
5	Issue of duplicate Degree Certificate	One month	2000/-
6	5-Year Integrated PG/PG/ M.Phil / M.Tech / Ph.D-Provisional Certificate	14 Days	PG 150/- M.Phil / M.Tech 300/- Ph.D-
7	Revised Corrected Semester Grade Transcript	7 Days	25/-
8	Revised Corrected PG/M.Phil / M.Tech Provisional Certificate	7 Days	50/-
9	All Kinds of temporary certificates (Medium of Study and Course Completion, Ph.D. as Per UGC Regulations 2009)	4 Days	25/-
10	To Certify Official Transcripts	2 Days	25/-
11	Permission for Recourse/Repeat	7 Days	Nil
12	Permission for Supplementary/Improvement Examination Special Supplementary Examination	--	As per notificatio
13	Miscellaneous (Rank Certificate etc.)	4 Days	--

S.No.	Academic Section	Duration	Cost
1	Bonafide Certificate	2 Days	25/-
2	No Objection Certificate	5 Days	25/-
3	Extension-M.Phil, M.Tech, Ph.D.	5 Days	--
4	De-registration/Re-registration for Ph.D.	5 Days	--
5	Re-admission	5 Days	--
6	Transfer/Migration Certificate – Course completed for Int.PG/PG	3 Days	150/-
7	Discontinued for Int.PG/PG	3 Days	25/-
8	Duplicate Transfer/Migration Certificate	5 Days	200/-
9	Processing of the Semester registration forms	As Per Schedule	--
10	Duplicate ID Card	2 Days	200/-
11	Duplicate Semester registration card	1 Day	50/-
12	Return of Originals	2 Days	--
13	Refunds	5 Days	--
14	Railway Concession	2 Days	--
15	Miscellaneous –Any other certificate	4 Days	--

NOTE:

1) No. of working days mentioned above is excluding the day of submission and holidays.
2) The requests should be routed through proper channel and complying with the required conditions.
3) The Students need to show their ID card and semester registration card at the counter.
4) All Certificates have to be collected from the respective sections between 3-5 pm after taking slip from the enquiry counter after the duration period is over.

WEIGHTAGES FOR INTERVIEW FOR ADMISSION TO M.PHIL. AND PH.D. PROGRAMMES

School of Mathematics & Statistics

S.No	Weightage being considered	Marks
1	Interview	25
	TOTAL	25

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School of Computer Information Sciences

Weightage to those who has appeared for written test

S.No	Weightage being considered	Marks
1	Performance in written test (proportionate)	08
2	NET/SLET	02
3	Interview and Research Proposal and its defense	15
	TOTAL	25

Weightage to those exempted from written test

S.No	Weightage being considered	Marks
1	JRF Awardee through National level written test	10
2	Interview and Research Proposal and its defense	15
	TOTAL	25

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School of Physics

S.No	Weightage being considered	Marks
1	Project done during M.Sc.	3
2	Performance in written test (Proportionate)	4
3	Any Fellowship through National level test	3
4	Interview	15
	Total	25

Centre for Advanced Studies in Electronics Science and Technology (CASEST)

S.No.	Weightage being considered	Max. Marks	Remarks
1	Research proposal and its defense	05	To be awarded at the time of interview.
2	Performance in written test	04	Proportionate out of 4 marks. If a candidate gets 40/80, he/she will be awarded 2/4 and so on.
3	Performance in Research Fellowship	02	i) GATE Score >500 OR CSIR/UGC-JRF - 2 marks ii) GATE Score 400-500 OR NET Lectureship - 1 mark
4	Higher degree above minimum qualification (i.e. M.Tech./M.E.)	02	Candidates having first division in higher degree will be awarded 2 marks and others will be awarded 1 mark.
5	Performance in Interview	12	To be awarded at the time of interview

ACRHEM

S.No	Weightage being considered	Marks
1	Having fellowship JRF and equivalent only	5
2	Performance in the written test (Proportional)	5
3	Research Proposal and its defence	5
4	Interview component	10
	Total	25

Centre for Earth, Ocean and Atmospheric Sciences

S.No	Weightage being considered	Marks
1	Research Proposal and its defense	5
2	Performance in the written test	5
3	Having fellowship (UGC-CSIR JRF)	5
4	Interview component	10
	Total	25

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School of Chemistry

S.No	Weightage being considered	Marks	Marks
1	CSIR-UGC JRF (in lieu of written test)	9	
2	Performance in written test (proportionate)		12
3	Interview		13
	TOTAL		25

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School of Life Sciences

Dept. of Biochemistry
The following weightage will be given for PhD admission:

Any fellowship	2
Performance in written test (proportionate)	4
Research proposal	4
Interview	15
Total	25

 Instructions for writing the research proposal:
All shortlisted candidates who are called for interview need to submit three copies of a research proposal at the time of interview. The proposal should be written in standard English according to the prescribed format given below:
i) Name and hall ticket number of the candidate.
ii) Title of the research proposal: 1-2 lines.
iii) Problem to be addressed (including hypothesis): maximum word limit is 50.
iv) Background to the problem and its significance: maximum word limit is 200.
v) Experiments to address the problem: maximum word limit is 200
vi) Expected outcome: maximum word limit is 100.
vii) Relevant references: (up to 10)
Reporting time: 9 AM in room number F6, New Life Science building.

Integrated MSc-PhD Biochemistry and Molecular Biology:
The following weightage will be given for MSc-PhD admission:

Performance in written test (proportionate)	16
Interview	9
Total	25

Reporting time: 9 AM in room number F6, New Life Science building.

Dept. of Plant Sciences

Weightage being considered	Weightage of Marks through UoH Entrance	JRF through qualification in national level written examination like CSIR/UGC/DBT/ICAR/ICMR
Performance in written test (proportionate)	5	-
Fellowship	5	10
Interview	15	15
Total	25	25

Dept. of Animal Biology

S.No	Weightage being considered	Marks
1	Any Junior Research Fellowship (CSIR/UGC, ICMR, DBT etc.)	03
2	Performance in written test (proportionate)	04
3	Research Proposal *	03
4	Interview	15
	TOTAL	25

* All candidates are required to submit a concise (approximately 800-1000 words) research proposal in a perspective research area highlighting the objective, introduction/hypothesis, methods/strategies, and outcome and significance, at the time of interview. The research proposal should be strong and compelling that fits within the research interests of the Department of Animal Biology.

Dept. of Biotechnology & Bioinformatics
Weightage being considered for PhD Biotechnology

S.No.	Weightage	Marks
1	Junior Research Fellowship (CSIR/UGC, ICMR, DBT etc)	05
2	Performance of written test (proportionate)	05
3	Research proposal/paper	05
4	Interview	10
	Total	**25**

Weightage being considered for Integrated MSc –PhD Biotechnology

S.No.	Weightage	Marks
1	Performance of written test (proportionate)	15
2	Interview	10
	Total	**25**

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School of Humanities

Weightage for different components for admission to M.Phil./PhD programmes in School of Humanities – Department of English, Philosophy, Hindi, Telugu, Urdu, Sanskrit Studies, CALTS and Centre for English Language Studies

S. No.	Weightage being considered	Marks
1	Research proposal and its defence	5

2	Possessing M.Phil (only for PhD candidates)/National fellowship	5
3	Interview	15
	Total	25

School of Social Sciences

Dept. of History

S. No.	Weightage being considered	Marks
1.	Performance in written test (proportionate)	5
2.	Research proposal and its defence	8
3.	Subject/Discipline knowledge	12
	Total	25

Dept. of Political Science

S. No.	Weightage being considered	Marks
1	Research proposal	3
2	Performance in written test (proportionate)	7.5
3	Having Fellowship/M.Phil./NET/SET/JRF	2.5
4	Interview Component	12
	Total	25

Dept. of Sociology

S.No.	Weightage being considered	Marks
1	Having Fellowship	02.50
2	Performance in the written test (proportionate)	07.50
3	Research proposal and interview	15.00
	Total:	**25.00**

Dept. of Education and Education Technology

Sl. No.	Weightage being considered	Marks
1.	Research Proposal and presentation	6
2.	Publications in UGC recognised Journals (Max. of 3 Publications. Each Publication carries 1 Mark)	3
3.	M.Phil. in Education	3
4.	JRF/NET/SLET or SET	3/2/1
5.	Interview (Subject Knowledge : 3 Marks, Research Aptitude : 3 Marks, Language ability : 2 Marks and Overall Performance : 2 Marks)	10
	Total	25

Centre for the Study of Social Exclusion and Inclusive Policy (CSSEIP)

Sl.No	Weightage being considered	Ph.D	M.Phil
1.	Fellowship	2	2
2.	Performance in written test (proportionate)	8	8
3.	Research proposal and Interview	15	15
	TOTAL	25	25

School of Economics

S.No	Weightage being considered	M.Phil.	Ph.D.
1	M.Phil. (submission)	--	02

2	JRF and equivalent fellowship	01	01
3	Interview component	09	09
4	Written test	15	13
	TOTAL	25	25

Sarojini Naidu School Arts and Communication

Department of Dance

Sl. No.	Weightage being considered	Marks
1.	Any fellowship (JRF/RGNF)	5
2.	Performance in the Written Test (proportionate)	5
3.	Research Proposal	5
4.	Interview	10
	Total	25

Dept. of Communication

S.No.	Weightage being considered	Marks
1.	Having fellowship - JRF and equivalent only	5
2.	Marks in written examination (proportional)	5
3.	Research Proposal and its defence	5
4.	Domain Knowledge	10
	Total :	25

School of Management Studies

Weightages for the Ph.D. Interview

S.No.	Weightage being considered	Marks
1	**Past Academic Record**	
	P.G. Performance	3
	Distinction	2
	First Class	1
	55-60 Percentage	2
	Gold Medal	
2	**Fellowship**	
	JRF	5
	NET	4
	SET	3
	M.Phil	2
	M.Phil + NET	5
3	**Research Proposal and its defense**	5
4	**Interview Performance**	10
	TOTAL	25

School of Medical Sciences

The mode of selection of PhD Candidates – School of Medical Sciences, UOH:

Entrance followed by Interview for 3 specializations of PhD Health sciences (Public Health, Optometry and Vision sciences and Public Health Nursing).

No entrance for Biomedical stream of PhD health sciences (since there is only 1 seat) and JRF qualified candidates only will be eligible to appear for interview for Biomedical Sciences.

Marks split up for PhD in Public Health, Optometry and Vision sciences and Public Health Nursing is as follows:

Sl. No.	Components	Marks
1	Research proposal	10
2	Entrance exam Performance	04
3	Academic Record/Performance in PG /Gold Medals/Other Awards	02
4	Publications & Research experience	02
5	Having Fellowship/M.Phil/NET/SET	02
6	Interview	05
	Total	25

Marks split up for JRF qualified candidates for PhD in Biomedical sciences and Public Health is as follows:

Sl. No.	Components	Marks
1	Research proposal	10
2	Academic Record/Performance in PG /Gold Medals/Other Awards	05
3	Publications & Research experience	05
4	Interview	05
	Total	25

Centre for Health Psychology

Sl.No.	Weightage being considered	Marks
1	Research Proposal in APA style (within the word limit 1000 words) and presentation	10
2	Interview	15

Candidates coming without hard copy of original research proposal shall not be interviewed

Centre for Neural and Cognitive Science

Sl.No.	Weightage being considered	Marks
1	Research Proposal and its defence	08
2	Having Fellowship of ICMR/NET/SET/GATE	02
3	Research Experience	05
4	Interview	10
	Total	25

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School of Engineering Sciences and Technology
Weightage for different components for admission to PhD courses in SES&T

Sl.No.	Weightage being considered	Marks
1	Research Proposal and its defence	04
2	Performance in written test	05
3	Medal in qualifying exam	01
4	Qualification in CSIR/GATE/JEST/ M.Phil/NET/SET/ICMR/DBT exams	05
5	Interview	10
	Total	25

It may be noted that CSIR/ UGC-JRF qualified are not exempted from the written test.

RULES FOR PRESERVATION OF VARIOUS RECORDS CONCERNING ACADEMIC & EXAMINATIONS MATTERS

S.No.	Name of the record	Period of preservation in the Section
A. MATTERS CONCERNING ADMISSIONS AND STUDENTS:		
1.	Files containing the approval of admissions to various courses	Two years
2.	i) Personal files of students along with their applications for admission:	
	a) Who are awarded degrees by the University.	One year after the Convocation in which the degree is awarded to the concerned student
	b) Who discontinue without completing their studies	Two years after withdrawal of admission
	ii) Applications of rejected candidates	One year after closure of admission
3.	Legal cases concerning admissions	Three years
4.	Enrolment Register	Permanent
5.	Counter foils of: a) Transfer Cum Migration Certificate b) Bonafide Certificate	Three years Three years
6.	Evaluated answer books of the candidates for the Entrance Examination	To be destroyed after one year of date of the entrance examination
7.	Question papers for the Entrance Examinations	To be destroyed after one year of the date of the entrance examination after keeping permanently: 2 sets of question paper in the Library 1 set with DR (A&E) 1 set with Controller of Examinations 2 sets in the respective Schools/Depts./Centres 2 sets in the Archival Cell
8.	Attendance records of students	To be preserved by the respective Schools / Department/Centres and destroyed after one year of completion of the prescribed period of studies by the concerned students
9.	Year Book concerning students admissions, enrolment, award of scholarship etc.	Permanent one bound copies to be preserved by the Dy. Registrar (A&E) 1 copy in the Library
10.	Disciplinary cases	Three years after completion of the course by the concerned student

	A. MATTERS CONCERNING EXAMINATIONS:	
1.	Examinations applications forms	One year after completion of the semester examination
S.No.	**Name of the record**	**Period of preservation in the Section**
2.	Tabulation Register	Permanent
3.	Result files	Permanent
4.	Result Notification (Final Examinations)	Permanent *- One bound set for each year to be kept with DR(A&E) *- One set concerning the School/Dept./Centre to be maintained permanently by the respective School /Dept./Centre
5.	Counterfoils / Computerised Record of: i) Marks Sheets ii) Provisional Certificates iii) Consolidated Mark sheet	 Permanent Permanent Permanent
6.	Printed Mark Sheets/Degrees (Unused)	Permanent
7.	Degrees/Medals received back undelivered	Until they are delivered
8.	Cancelled degrees	One year after the Convocation and thereafter to be counted and destroyed by the CE in the presence of at least 3 Officers
9.	General correspondence regarding marks sheets, provisional certificates, degrees, award of degree in absentia	One year after the Convocation
10.	Order of presentation degrees at the Convocation duly signed by the Vice-Chancellor/Chancellor	Permanent (with CE)
11.	General correspondence regarding manufacture and award of medals	Permanent
12.	Answer books of semester examinations	To be destroyed after one year of the semester exam under direct supervision of the Head of the Dept./Dean of the School concerned
13.	Examiner's reports on M.Phil/M.Tech/ Ph.D.dissertation/ project report/thesis	Permanent (Only reports in bound volume/s subject wise
14.	File concerning University emblem, motto, etc.	Permanent
15.	File concerning award of honorary degrees	Permanent
16.	Question papers of the semester examinations	One set of question papers for each academic year to be preserved by the School/Department/Centre/ Library

| 17. | Printing of question papers for the entrance examination | All records to be destroyed after completion of the concerned examinations under the direct supervision of the Controller of Exams, in the presence of at least 3 Officers |
| 18. | Thesis/Dissertation copies of Ph.D./M.Phil/M.Tech | 1 copy in the respective School/Department and 1 copy in the Library |

Note: Examination records will be preserved in the Section itself.

A. MINUTES AND SUPPORTING PAPERS OF ACADEMIC BODIES:

S.No.	Name of the record	Period of preservation in the Section
1.	Academic Council/Standing Committee of the Academic Council.	Permanent
2.	School Boards	Permanent to be kept in custody of the Dean of the School concerned
3.	Department Committees	Permanent. Two copies of notice of Meeting and Agenda, minutes to be kept in the custody of the Head of the Department/Centre concerned.

Academic Calendar 2018-2019

Monsoon Semester (July – December 2018)			
Important dates			
Reopening after summer vacation	16-07-2018		
Entrance Examinations	01.06.2018	to	05.06.2018
Last date for payment of fees and semester registration			
I semester (fresh students)	At the time of admission		
Ongoing students – without fine	16.07.2018	to 21.07.2018	
With a fine of Rs. 500/-	23.07.2018	to 28.07.2018	
Suppl. / Imp. Examinations	09.07.2018	to 13.7.2018	
Teaching schedule	16.07.2018	to 19.11.2018	
Semester examinations	20.11.2018	to 29.11.2018	
Winter Vacation			
For students	30.11.2018	to 01.01.2019	
For faculty	05.12.2018	to 01.01.2019	
Suppl./Imp. Examinations	03.01.2019	to 06.01.2019	
Winter Semester (January – June 2019)			
Important dates			
Last date for payment of fees and semester registration			
Ongoing students – without fine	02.01.2019	to	07.01.2019
With a fine of Rs. 500/-	08.01.2019	to	15.01.2019
Teaching Schedule (for all students)	02.01.2019	to	23.04.2019
Semesters examinations	24.04.2019	to	03.05.2019
Summer Vacation			
For students	04.05.2019	to	15.07.2019
For faculty	11.05.2019	to	27.06.2019
Reopening after summer vacation	15.07.2019		

Date/Day	Morning session (10.00 a.m. – 12.00 Noon)		Afternoon session (2.00 p.m. – 4.00 p.m.)	
1.6.2018 Friday	I.M.Sc.	Sciences (MA/PY/CH/SB)	I.M.A.	Social Sciences
	M.A.	Applied Linguistics	M.Sc.	Health Psychology
	MPA	Dance	M.A.	English Language Studies
	M.A.	Urdu	M.Phil.	History
	M.Phil.	Social Excl. & Incl. Policy	Ph.D.	Social Excl. & Incl. Policy
	Ph.D.	History	M.Phil.	English Language Studies
	Ph.D.	Materials Engineering	Ph.D.	Dance
	Ph.D.	Biochemistry	**Ph.D.**	**Nano Science and Technology**
			Int.M.Sc.-Ph.D.	**Biochemistry and Molecular Biology**
2.6.2018 Saturday	M.Sc.	Animal Biology & Biotech.	M.Sc.	Plant Biology & Biotech.
	MBA	Business Analytics	M.Sc.	Ocean & Atmospheric Sci.
	M.A.	**Education**	M.A.	English
	Ph.D.	Computer Science	MFA	Painting/Print Making/Sculp.
	Ph.D.	Applied Linguistics	M.Phil.	English
	Ph.D.	Psychology	Ph.D.	Philosophy
	Ph.D.	Statistics	Ph.D.	English Language Studies
	Ph.D.	ACRHEM	Ph.D.	Political Science
	Ph.D.	Sanskrit Studies	**PG Dip.**	**Sanskrit Computational Linguistics**
3.6.2018 Sunday	I.M.Sc.	Health Psychology	I.M.A.	Humanities (HN/TL/LL)
	M.A.	Anthropology	M.Sc.	Chemistry
	M.A.	Financial Economics	M.A.	History
	Ph.D.	Earth, Ocean and Atmospheric Sci.	MBA	Health Care & Hospital Management.
	Ph.D.	Biotechnology	M.Phil.	Urdu
	Ph.D.	Sociology	M.Phil.	Sociology
	Ph.D.	Urdu	Ph.D.	Communication
	Ph.D.	**Translation Studies**	Ph.D.	Animal Biology
	M.Sc.	Neural & Cognitive Science	Ph.D.	Electronics Science
	Ph.D.	Cognitive Science		
4.6.2018 Monday	M.Sc.	Statistics-OR	Integrated M.Optom	Optometry
	M.Sc.	Biochemistry	M.Sc.	Mathematics/Appl. Mathematics
	M.A.	Economics	M.A.	Communication
	MPA	Theatre Arts	MFA	Art History & Visual Studies
	M.A.	Comparative Literature	M.Phil.	Applied Linguistics
	Ph.D.	Chemistry	Ph.D.	Physics
	Ph.D.	Health Sciences	Ph.D.	Management Studies
	Ph.D.	Mathematics/Applied Mathematics	Int.M.Sc./Ph.D.	Biotechnology
	Ph.D.	**Education**		
5.6.2018 Tuesday	M.A.	Political Science	M.Sc.	Physics
	M.Sc.	Molecular Microbiology	M.A.	Philosophy
	M.Phil.	Philosophy	M.A.	Hindi
	M.Phil.	Hindi	M.A.	Telugu
	M.Phil.	Political Science	M.A.	Sociology
	Ph.D.	Plant Sciences	M.Phil.	Translation Studies
	Ph.D.	Telugu	MPH	Master of Public Health
	Ph.D.	English	M.Phil.	Economics
			Ph.D.	Economics

University of Hyderabad
Entrance Examinations – 2018- 19
Interview / Practical Test Schedule

S.No.	Subject	M.Sc. and courses of S.N. School		M.Phil/M.Tech. Integrated M.Sc./Ph.D. and Ph.D. programmes		Ph.D. programmes	
		Date	Time	Date	Time	Date	Time
1	Mathematics/Applied Mathematics	--	--	--	--	10.7.2018	10.00 a.m.
2	Statistics-OR					11.7.2018	10.00 a.m.
3	Computer Science	--	--	--	--	9.7.2018 to 11.7.2018	10.00 a.m.
4	Physics	--	--	--	--	9.7.2018 & 10.7.2018	10.00 a.m.
5	Electronics Science					10.7.2018	10.00 a.m.
6	ACRHEM	--	--	--	--	11.7.2018	10.00 a.m.
7	Earth, Ocean & Atmospheric Sciences	--	--	--	--	10.7.2018	10.00 a.m.
8	Chemistry	--	--	--	--	9.7.2018 to 11.7.2018	10.00 a.m.
9	Biochemistry	--	--	--	--	10.7.2018	10.00 a.m.
10	Int. M.Sc. /Ph.D. Biochemistry and Molecular Biology	--	--	30.6.2018	10.00 a.m.	--	--
11	Plant Sciences	--	--	--	--	117.2018	10.00 a.m.
12	Animal Biology	--	--	--	--	12.7.2018	10.00 a.m.
13	Int. M.Sc. /Ph.D. Biotechnology	--	--	30.6.2018	10.00 a.m.	--	--
14	Biotechnology	--	--	--	--	11.7.2018 12.7.2018	10.00 a.m.
15	English	--	--	10.7.2018	10.00 a.m.	11.7.2018 12.7.2018	10.00 a.m.
16	Philosophy	--	--	10.7.2018	10.00 a.m.	11.7.2018	10.00 a.m.
17	Hindi	--	--	10.7.2018	10.00 a.m.	--	--
18	Telugu	--	--	--	--	10.7.2018	10.00 a.m.
19	Urdu	--	--	10.7.2018	10.00 a.m.	11.7.2018	10.00 a.m.
20	Applied Linguistics	--	--	10.7.2018	10.00 a.m.	10.7.2018	2.00 p.m.
21	Translation Studies	--	--	11.7.2018	10.00 a.m.	11.7.2018	2.00 p.m.
22	Sanskrit Studies	--	--	--	--	6.7.2018	10.00 a.m.
23	English Language Studies	--	--	11.7.2018	10.00 a.m.	11.7.2018	2.00 p.m.
24	History	--	--	10.7.2018	10.00 a.m.	11.7.2018	10.00 a.m.
25	Political Science	--	--	10.7.2018	10.00 a.m.	11.7.2018	10.00 a.m.
26	Sociology	--	--	10.7.2018	10.00 a.m.	11.7.2018	10.00 a.m.
27	Social Excl. & Incl. Policy	--	--	11.7.2018	10.00 a.m.	11.7.2018	2.00 p.m.
28	Education	--	--	--	--	12.7.2018	10.00 a.m.
29	Economics	--	--	10.7.2018	10.00 a.m.	11.7.2018	10.00 a.m.

S.No.	Subject	M.Sc. and courses of S.N. School		M.Phil/M.Tech. Integrated M.Sc./Ph.D. and Ph.D. programmes		Ph.D. programmes	
		Date	Time	Date	Time	Date	Time
30	Management Studies	--	--	--	--	11.7.2018 12.7.2018	1 10.00 a.m.
31	MBA Health Care and Hospital Management	97.2018	9.00 a.m.	--	--	--	--
32	MBA Business Analytics	10.7.2018	9.00 a.m.	--	--	--	--
33	Health Sciences	--	--	--	--	10.7.2018	10.00 a.m.
34	Psychology	--	--	--	--	10.7.2018	10.00 a.m.
35	Cognitive Science	--	--	--	--	10.7.2018	10.00 a.m.
36	Materials Engineering	--	--	--	--	10.7.2018	10.00 a.m.
37	Nanoscience and Technology	-	--	--	--	11.7.2018	10.00 a.m.
	S.N. School Practical/Oral Tests						
38	Dance	28.6.2018	10.00 a.m.	--	--	9.7.2018	10.00 a.m.
39	Theatre Arts	28.6.2018	10.00 a.m.	--	--	--	--
40	Painting/Print Making/ Sculpture	28.6.2018 to 30.6.2018	10.00 a.m.	--	--	--	--
41	Art History & Visual Studies	28.6.2018	10.00 a.m.	--	--	--	--
42	Communication	28.6.2018 to 30.6.2018	10.00 a.m.	--	--	10.7.2018	10.00 a.m.

Note: The above interview/practical test schedule for some of the courses/programmes may change based on the number of candidates shortlisted for interview which will be notified at the time of notifying the lists of candidates shortlisted for interview.

Statement showing the Breakup for approved Intake for 2018-19

S.No.	Course	Subject	GE	SC	ST	OBC	TOTAL	PH	DP
		5-Year Integrated PG Courses							
1	I.M.Sc.	Mathematical Sciences	9	2	1	4	16	1	1
2	I.M.Sc.	Physics	9	2	1	4	16	1	1
3	I.M.Sc.	Chemical Science	9	2	1	4	16	1	1
4	I.M.Sc.	Systems Biology	9	2	1	4	16	1	1
5	I.M. Optom	Optometry	10	3	2	5	20	1	1
6	I.M.Sc.	I.M.Sc. Health Psychology	9	2	1	4	16	1	1
7	I.M.A.	Telugu	7	2	1	5	15	1	1
8	I.M.A.	Hindi	4	1	1	2	8	0	0
9	I.M.A.	Language Sciences	7	3	1	4	15	1	1
10	I.M.A.	Economics	5	2	1	3	11	1	1
11	I.M.A.	History	4	2	1	3	10	1	1
12	I.M.A.	Political Sciences	4	2	1	3	10	1	1
13	I.M.A.	Sociology	5	2	1	3	11	1	1
14	I.M.A.	Anthropology	4	2	1	3	10	1	1
		Total	95	29	15	51	190	10	10
		%		15.26	7.89	26.84		5.26	5.26
		PG Courses							
15	M.Sc.	Mathematics/Applied Maths	20	6	3	11	40	2	2
16	M.Sc.	Statistics-OR	10	3	2	5	20	1	1
17	M.C.A.	MCA	30	9	5	16	60	3	3
18	M.Sc.	Physics	23	7	3	12	45	2	2
19	M.Sc.	Chemistry	23	7	3	12	45	2	2
20	M.Sc.	Biochemistry	14	3	2	7	26	1	1
21	M.Sc.	Plant Biology & Biotech.	9	3	1	5	18	1	1

No	Degree	Subject							
22	M.Sc.	Molecular Microbiology	6	2	1	3	12	1	1
23	M.Sc.	Animal Biology & Biotech.	9	3	1	5	18	1	1
24	M.Sc.	Biotechnology	12	4	2	7	25	1	1
25	M.P.H.	Master of Public Health	15	4	2	9	30	2	2
26	M.Sc.	Ocean & Atmospheric Sciences	4	2	1	3	10	1	1
27	M.Sc.	Health Psychology	6	2	1	3	12	1	1
28	M.Sc.	Neural & Cognitive science	8	2	2	4	16	1	1
		Total	**189**	**57**	**29**	**102**	**377**	**19**	**19**
		* Sponsored %		**15.12**	**7.69**	**27.06**		**5.03**	**5.03**
29	M.A	English	23	7	2	13	45	2	2
30	M.A	Philosophy	12	3	2	6	23	1	1
31	M.A.	Hindi	19	6	3	10	38	2	2
32	M.A	Telugu	23	6	3	13	45	2	2
33	M.A	Urdu	10	3	2	5	20	1	1
34	M.A	Applied Linguistics	12	3	2	6	23	1	1
35	M.A	Comparative Literature	10	3	2	5	20	1	1
36	M.A.	English Language Studies	9	3	1	5	18	1	1
37	**PG Diploma**	**Sanskrit Computational Ling.**	4	1	1	2	8	0	0
38	M.A	History	26	8	4	14	52	3	3
39	M.A	Political Sciences	26	8	4	14	52	3	3
40	M.A	Sociology	26	8	4	14	52	3	3
41	M.A	Anthropology	15	5	2	8	30	2	2
42	M.Ed.		25	8	3	14	50	3	3
43	**M.A.**	**Education**	15	4	2	9	30	2	2
44	M.A.	Economics	30	9	5	16	60	3	3
45	M.A.	Financial Economics	15	5	2	8	30	2	2
46	M.P.A.	Dance : Kuchipudi	4	1	1	2	8	0	0
47		Bharatanatyam	4	1	1	2	8	0	0
48	M.P.A.	Theatre Arts	8	2	1	4	15	1	1

49	M.F.A.	Painting	7	2	1	4	14	1	1
50		Print Making	4	1	1	2	8	0	0
51		Sculpture	4	1	1	2	8	0	0
52	M.F.A	Art History	4	1	1	2	8	0	0
53	M.A.	Communication	20	6	3	11	40	2	2
54	M.B.A.	General	30	9	5	16	60	3	3
55	MBA	Health Care & Hosp. Mgt.	15	5	2	8	30	2	2
56	MBA	Business Analytics	15	5	2	8	30	2	2
		Total	**415**	**124**	**63**	**223**	**825**	**41**	**41**
		%		15.03	7.64	27.03		4.97	4.97

		M.Tech. Programmes - As per the reservation rules of CCMT and CSAB of JEE							
			GE	**SC**	**ST**	**OBC**	**PH**	**Total**	
57	M.Tech.	Computer Science	22	6	3	12	2	45+5*	
58	M.Tech.	Artificial Intelligence	15	4	2	8	1	30+5*	
59	M.Tech.	Information Technology	15	4	2	8	1	30+5*	
60	M.Tech.	Inegrated Circuit Technlogy	8	3	1	5	1	18+12*	
61	M.Tech.	Bioinformnatics	12	4	2	6	1	25	
62	M.Tech.	Materials Engineering	8	3	1	5	1	18	
63	5-Year Int.	M.Tech. Comp. Science	10	3	2	5	1	21	
		Total	**90**	**27**	**13**	**49**	**8**	**187+27***	
		*** Sponsored %**		15.08	7.26	27.37	4.28		

S.No.	Course	Subject	GE	SC	ST	OBC	TOTAL	PH
		M.Phil. Programmes						
64	M.Phil.	English	2	1	0	1	4	0
65	M.Phil.	Philosophy	5	1	1	2	9	1
66	M.Phil.	Hindi	1	0	0	1	2	0
67	M.Phil.	Urdu	7	2	1	4	14	1
68	M.Phil.	Applied Linguistics	3	0	1	1	5	0
69	M.Phil.	Translation Studies	3	1	0	1	5	0
70	M.Phil.	English Language Studies	1	0	0	1	2	0
71	M.Phil.	History	3	1	1	2	7	1
72	M.Phil.	Political Science	8	3	1	5	17	1
73	M.Phil.	Sociology	2	1	0	1	4	0
74	M.Phil.	Social Exclusion & Inclusive Policy	3	1	1	1	6	0
75	M.Phil.	Economics	2	1	0	1	4	0
		Total	40	12	6	21	**79**	**4**
		%		15.19	7.59	26.58		5.06
		Ph.D. Programmes						
76	Ph.D.	Mathematics	3	1	0	1	5	1
77	Ph.D.	Applied Mathematics	0	0	0	0	0	0
78	Ph.D.	Statistics-OR	1	0	1	1	3	0
79	Ph.D.	Computer Science	7	2	1	4	14	1
80	Ph.D.	Physics	6	2	1	4	13	1
81	Ph.D.	Electronics Science	3	1	0	2	6	1
82	Ph.D.	ACRHEM	2	0	0	1	3	0
83	Ph.D.	Earth, Ocean & Atmos. Sci.	2	1	0	1	4	0
84	Ph.D.	Chemistry	11	3	2	6	22	1
85	Ph.D.	Biochemistry	4	1	1	2	8	0
86	**Int.M.Sc./Ph.D.**	**Biochemistry & Molecular Biology**	3	1	0	2	6	0
87	Ph.D.	Plant Sciences	5	1	1	2	9	0
88	Ph.D.	Animal Biology	6	2	1	4	13	1
89	Ph.D.	Biotechnology	5	1	1	2	9	1
90	Int.M.Sc./Ph.D.	Biotechnology	3	1	0	2	6	0

91	Ph.D.	English	3	1	1	2	7	1
92	Ph.D.	Philosophy	2	1	0	1	4	0
93	Ph.D.	Telugu	5	1	1	2	9	1
94	Ph.D.	Urdu	3	2	0	1	6	0
95	Ph.D.	Applied Linguistics	1	0	1	1	3	0
96	Ph.D.	Translation Studies	1	0	0	1	2	0
97	Ph.D.	Sanskrit Studies	3	1	0	1	5	0
98	Ph.D.	English Language Studies	2	1	0	1	4	0
99	Ph.D.	History	4	1	1	2	8	0
100	Ph.D.	Political Science	6	3	1	4	14	1
101	Ph.D.	Sociology	2	1	0	1	4	0
102	Ph.D.	Social Excl. & Incl. Policy	2	0	1	1	4	0
103	**Ph.D.**	**Education**	3	1	1	2	7	1
104	Ph.D.	Economics	2	1	0	1	4	0
105	Ph.D.	Dance	2	0	0	1	3	0
106	Ph.D.	Communication	2	1	0	1	4	0
107	Ph.D.	Management Studies	5	2	1	3	11	1
108	Ph.D.	**Health Sciences** : Public Health	0	1	0	1	2	1
109		Optometry & Vision Science	1	0	1	1	3	0
110		Nursing	1	0	0	0	1	0
111		Biomedical Sciences	1	0	0	0	1	0
112	Ph.D.	Psychology	4	2	1	2	9	0
113	Ph.D.	Cognitive Science	1	0	0	1	2	0
114	Ph.D.	Materials Engineering	2	1	0	1	4	0
115	**Ph.D.**	**Nanoscience and Technology**	2	0	0	1	3	0
		Total	**121**	**38**	**19**	**67**	**245**	**13**
		%		15.51	7.75	27.34		5.31

Brief summary of Minimum Standards and Procedure for Award of M.Phil/Ph.D. Degrees, as per UGC Regulations 2016 and its adoption by the Academic Council for M.Phil./Ph.D. students admitted from 2017-18 onwards

S.No.	Content Items	Resolution of the Academic Council	
		M.Phil	**Ph.D.**
1	Eligibility Criteria for admission	Master's degree or equivalent Professional degree with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7-point scale or an equivalent grade	1) Same as MPhil. 2) Candidates who have cleared the M.Phil course work with at least 55% marks in aggregate; or its equivalent grade 'B' in the UGC 7-point scale (or an equivalent grade in a point scale in a grading system) and successfully completing the M.Phil. Degree shall be eligible to work towards the Ph. D. Degree in the same Institution within an integrated programme. A person whose M.Phil. dissertation has been evaluated and only the viva voce is pending may be admitted to the Ph.D. programme of the same Institution A relaxation of 5%, from 55% to 50%, or an equivalent relaxation of grade, may be allowed for those belonging to SC/ST/ OBC (Non-Creamy Layer)/differently-abled and other categories of candidates as decided by the Commission from time to time.
2	Duration of the programme	Min. duration : 2 semesters or 1 year Max duration: 4 semesters or 2 years Under 4.4 for Women & PWD: 6 Semester or 3 years	Min duration : 3 years (incl. course work) Max duration: 6 years Under 4.4 for Women & PWD: Relaxation of 2 years i.e. 8 yrs. from the date of admission.
3	Procedure for admission	Admission to M.Phil /Ph.D. students through an Entrance Test conducted at the level of Individual University/Institution Deemed to be a University. The University /Institution Deemed to be a University may set separate terms and conditions for the Ph.D. Entrance Test for those students who qualify UGC-NET (including JRF) / UGC- CSIR NET (including JRF) /SLET/GATE/ teacher fellowship holder or have passed M.Phil programme. A similar approach may be adopted for the M.Phil programme. An Entrance Test shall be qualifying with qualifying marks as 50%. The syllabus of the Entrance Test shall consist of 50% of research methodology and 50% shall be subject specific. Candidates appearing in the entrance test will be called for interview as per the ratio approved by the Academic Council from time to time.	

		The final selection for admission for M.Phil/Ph.D. will be based on the interview only. The School/Department/Centre may give some weightage **within** the interview marks to: marks obtained in the qualifying exam, any appropriate fellowships, gold medals and distinctions as decided by the respective Admission Committees for the academic year.
		'Department Research Committee' (DRC) will be called as Admission Committee. All members of the Admission Committee including SC/ST/OBC representative (except Co-opted members), will award marks to all candidates.
		All faculty members are eligible to serve as members of the Admission Committee subject to the condition that their kith/kins/dependent/relatives are not appearing in the Entrance Exam for admissions to their School/Dept./Centre. The Chairman, Admission committee will take an undertaking from all members in this regard.
		No change in intake to be done during that Academic Year. Intake whether regular, part-time and external category will be through same modes of admission as above. The cutoff date for calculating the intake for July session will be on **31st March** of that year; for the Jan session the cut off sate will be 30th September of the previous year. There will be no admissions to M.Phil/ PhD under Foreign National/Kashmiri Migrant and DP category. 5% PH seats will be earmarked **within** the Intake.
4	Allocation of Supervisor	Only full time regular faculty shall be the Supervisor.
		Departmental Committee/School Board to ensure allotment of supervisor to all M.Phil/Ph.D. candidates within **one month** of admission, duly notified to the Controller of Examinations. The Department Committee / School Board, beside constituting the RAC and identifying broad area/s of research, will also assess requests for change of supervisor, etc.
		A Faculty i. must have more than 3 years of service for superannuation to be a supervisor;
		ii. more than 1 year of remaining service to be a Co-supervisor; iii. A Ph.D or equivalent degree to be a Supervisor. iv. Joining the university through Direct Recruitment basis or promoted under CAS on or after 20-3-2017 should also fulfil the criteria of having number of publications in the refereed journals of UGC, as mentioned in the para 6.1 of UGC Regulations, 2016 to be eligible as a supervisor.
		Re-employed/Contract faculty cannot be Supervisors.
		Only Fulltime, regular Faculty/Scientists of External Centres may serve as Co-Supervisors subject to fulfilling the eligibility criteria at para 6.1 and 6.5 of the UGC Regulations 2016.
		Superannuating faculty after guiding a student for 3 years or more may decide whether they wish to continue as supervisors. If such is not the case, the Dean/Head shall make alternate arrangement to allot a Supervisor to the student.
		If a faculty proceeds on long leave/sabbatical/study leave/EoL or resigns etc. then Dean/Head shall make alternate arrangement under intimation to the School Board.
		The maximum number of students that may be supervised at any given point of time by a Professor, an Associate Professor, Assistant Professor are as follows: Professors: 8 Ph.D. + 3 M.Phil.

	In case of relocation of an M.Phil/ Ph.D. woman scholar due to marriage or otherwise.	Associate professor: 6 Ph.D. + 2 M.Phil Assistant Professor: 4 Ph.D. + 1 M.Phil. In the School/Department/Centre where there is no M.Phil program, a faculty may guide Ph.D. students treating 2 M.Phil as equivalent to 1 Ph.D. The de-registered/re-registered (prior to 2017-18) and regular students until submission of their dissertation/thesis are to be counted against the quota registered with the faculty. Women scholars who are married are allowed to relocate to another institution, provided she has secured the seat in the other institution through a proper/regular admission process. The applicant should obtain a "No-Objection" certificate from the University of Hyderabad through proper channel permitting her to transfer research data. A proforma for this certificate that includes a statement of "assurance of due credit" may be developed.	
5	Course work	Course work for M.Phil/Ph.D. will be worth 12-16 credits. During the Course work the students are expected to meet the attendance requirements as mandated by the University for any other course. Course work is to be completed in one year or student, failing which the student's admission will in the programme will cease. (Regular + Supplementary). In course work for M.Phil and Ph.D: the pass percentage is 55%. To continue the M.Phil/ PhD further, a candidate should acquire a CGPA of 6.0 in all course work taken together In the Ph.D coursework, the Results and Grade sheets will only carry Pass/Fail results. Grading for M.Phil courses is as follows : 91 – 100 A+ 81 – 90 A 71 – 80 B+ 61 – 70 B 55 – 60 C 50 – 54 D Grade sheet will be issued for the course work done. The Ph.D. course work may be exempted, if a student is admitted in the **same** School/Department/Centre after completion of M.Phil. and on recommendation by RAC of the School/Dept./Centre	
6	Research Advisory Committee (Earlier Doctoral Research Committee)	Research Advisory Committee for M.Phil students Supervisor + 1 Member The RAC will meet every and send its recommendations for all candidates in terms of their work in progress. The RAC will also report those irregularities and absenteeism RAC recommendation is essential for the semester registration/ Extension.	RAC for Ph.D.-Supervisor + 2 members Supervisor to be Convener. The RAC will meet every semester RAC and send its recommendations for all candidates in terms of their work in progress. The RAC will also report those irregularities and absenteeism RAC recommendation is essential for the semester registration/ Extension.
7	Evaluation and Assessment Methods, minimum standards/credits for award of the degree	M.Phil: Course work 12 – 16 credits Ext. Examiners report 04 Credits Supervisors report 04 Credits Pre submission 02 Credits Viva Voce 02 Credits	The Ph.D. thesis submitted by a research scholar shall be evaluated by his/her Research Supervisor and at least **two** external examiners, employed outside the Institution/College where the

			research was undertaken, and one examiner may be from outside the country. The viva-voce examination, shall be conducted by the Research Supervisor and at least one of the two external examiners.
	Presentations and Publications	- ------------------------ Total 24 Credits ------------------------ - Open Viva voce to be conducted for M.Phil. Students admitted from 2017-18.	
		If the external examiner of the M.Phil dissertation or one of the external examiner of the Ph.D thesis Declares the work as "unsatisfactory", the thesis may be sent to next examiner. If the second report also declares the work as "unsatisfactory" then the dissertation/thesis stands rejected.	
		To adopt appropriate methods to complete the entire process of evaluation of M.Phil. Dissertation/ Ph.D. thesis within a period of six months from the date of submission of the dissertation/thesis. M.Phil scholars shall present at least one (1) research paper at a conference/seminar; Ph.D. scholars must publish at least one (1) research paper in a refereed journal and make two paper presentations in conferences/seminars before the submission of the dissertation/thesis for adjudication. They must attach evidence for the above in the form of presentation certificates and/or reprints.	
8	M.Phil./Ph.D. through Distance Mode/part-time	No University; Institution, Deemed to be a University and College shall conduct M.Phil and Ph.D. Programmes through distance education mode.	
			Part-time and external Ph.D. will be allowed provided all the conditions mentioned in the extant Ph.D. Regulations are met. The students shall complete the course within the maximum duration of the programme stipulated Para 4.2 of UGC Regulations 2016.
9	Award of M.Phil./Ph.D. degrees prior to Notification of these Regulations, or degrees awarded by foreign Universities	Award of degrees to candidates registered for the M.Phil/Ph.D. programme on or after July 11, 2009 till the date of Notification of these Regulations shall be governed by the provisions of the UGC (Minimum Standards and procedure for Awards of M.Phil /Ph.D. Degree) Regulation, 2009. If the M.Phil/Ph.D. degree is awarded by a Foreign University, then the University shall consider such a degree by referring the issue to a Standing Committee constituted by the Academic Council for the purpose of determining the equivalence of the degree awarded by the foreign University.	
10	Depository with INFLIBNET	Following the successful completion of the evaluation process and before the announcement of the award of the M.Phil/Ph.D. degree(s), the Institution concerned shall submit an electronic copy of the M.Phil. Dissertation /Ph. D. thesis to the INFLIBNET. Prior to the actual award of the degree, the degree-awarding Institution shall issue a provisional Certificate to the effect that the Degree has been awarded in accordance with the provisions of these UGC Regulations, 2016.	

For further details please refer to the University Grants Commission (Minimum Standards and Procedure for Award of M.PHIL./PH.D Degrees) Regulations, 2016 available at https://www.ugc.ac.in/pdfnews/4952604_UGC-(M.PHIL.-PH.D-DEGREES)-REGULATIONS,-2016.pdf

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