

# **RESEARCH PROGRAMME AT HIMALAYAN UNIVERSITY**

## **Research Oriented Events**

The University hosts exciting research events throughout the year in the form of lectures, Workshops, Seminars and Conferences. These provide excellent opportunities to research scholars to get exposure to the corporate world, national & international practices and trends in research. They also act like a window to the business leaders, successful entrepreneurs, researchers, scientists and technocrats.

## **Academic Excellence Centre**

The Academic excellence centre is committed to provide HU research scholars easy access to top data bases. Himalayan University has very active researchers in its faculty in different fields. They help research students to undertake high quality research.

## **Research Guides**

The University regulates research through its Research Council, whose members are very eminent intellectuals. The allocation of guide is made by the research committee of each department following UGC guidelines; the number of students that can be attached with a faculty member, her/his specialization and the research interest/preference of the student, as indicated at the time of interview. The University has appointed a Research Coordinator who facilitates research scholars to launch themselves on an academic career path and provides support and guidance in identification of Research Topic as well as access to resources necessary to carry out research.

**We encourage interaction within and across subject areas, providing a rich environment for innovative, collaborative and inter-disciplinary research**

Research Programmes at Himalayan University, Itanagar are run strictly as per UGC norms. We strive to provide world class research facilities and guidance by our faculty members, who are acknowledged experts in their respective fields.

Please refer to our website for details of research programmes offered by the Himalayan University in various streams.

A research scholar shall ordinarily work in the University Departments, Research Institutes of the University.

The rules about eligibility, entrance examination, interview, registration, supervision, submission and evaluation of thesis, viva-voce, defense of thesis etc. are as follows:

For admission to full time and part time Ph.D. programme in a subject, applicants fulfilling any of the following criteria shall be treated as eligible:

1. Candidates from the General Category must have passed Post Graduate Degree (Master Degree) or an Equivalent Examination with at least 55% marks or equivalent Grade Point Average (GPA) from an institution recognised by the UGC/AICTE/NCTE and other statutory national bodies. However, candidates belonging to SC/ST/DT/NT/SBC/OBC categories shall get relaxation of 5 %. That is, candidates of reserved categories should have 50% marks in Post Graduate Degree (Master Degree) or an Equivalent Examination from a recognised institution.
2. Individuals working in National Laboratories/ institutes/ Government/ Private Organization and nominated/sponsored by the respective employer should have a Post Graduate Degree and holding the rank of Assistant Director or above.

These conditions will also be applicable to foreign candidates who have obtained a Masters Degree from any of the recognized Universities.

3. Candidates with exceptional abilities and having passed graduate degree examination with at least 60% marks and with 15 years experience after graduation in the related field. However, eligibility on the basis of exceptional abilities will be decided by the Research and Recognition Committee concerned. (Candidates shall be encouraged to get patents / intellectual property rights registered in their names.)
4. The fellows of the institute of Chartered Accountants and / or institute of Cost and Works Accountants and / or having qualification of Company Secretary shall be eligible for admission to the Ph.D. programme in the subject allocated by the Board of Studies concerned under the Faculty of Commerce. Provided that such candidates possess a Bachelor's Degree of any recognized University and also have at least 5 years' professional experience.
5. A Graduate in any Faculty who has developed important new technology (new for the country) or designed and fabricated special instruments or apparatus which are deemed by an internationally acknowledged scholar to be a valuable contribution in the field of Engineering/Pharmacy, may be permitted by the Research and Recognition Committee of the Faculty concerned, to submit his thesis for the Ph.D. Degree in that Faculty on the commendation of the Board or Boards of Studies. Such a candidate must have at least 5 years' standing as a Bachelor of the Faculty concerned.
6. Applications for research in inter-disciplinary areas and from applicants belonging to a Faculty or subjects other than the Faculty or subjects in which the research is proposed to be undertaken and

from international candidates (who have not obtained the Master's Degree from Indian Universities) shall be considered on the basis of the proven ability and aptitude of the researcher for such research. Such proposals shall be examined by the proposed research Guides and the Head of the Department before giving provisional admission. The admission will be confirmed only after the Research and Recognition Committee/s concerned approve the topic. Detailed procedure for admission should be evolved by the Faculty concerned.

7. Percentage of marks required for admission of foreign candidates (those who have not obtained Master's degree from Indian Universities) will also be 55 % or equivalent GPA at Master's Degree level.

**Duration of the Programme:**

1. Ph.D. programme shall be for a minimum duration of three years, including course work and a maximum of six years.
2. Extension beyond the above limits will be governed by the relevant clauses as stipulated in the Statute/Ordinance of the individual Institution concerned.
3. The women candidates and Persons with Disability (more than 40% disability) may be allowed a relaxation of two years for Ph.D. in the maximum duration. In addition, the women candidates may be provided.

**Procedure for Admission**

A candidate will be eligible for admission only after she/he qualifies an Entrance Examination conducted by the University. Even Foreign Students will be required to take Entrance Examination.

## **Entrance Examination**

For Entrance Examination, there would be a paper of 100 marks on General Aptitude. It will carry 100 questions with multiple choices covering Logical Reasoning, Numerical Ability, Reasoning and Language Aptitude. Candidate who score 50% (General) & 45% (SC/ST/DT/NT/SBC/OBC) or more will be declared eligible for interview.

## **Interview**

Every eligible candidate, if he/she qualifies as per above conditions and is desirous of pursuing Ph.D. degree, will have to appear in the interview by the Committee constituted for the purpose. All such candidates will apply to the University and register for interview. The final merit list will be drawn on the basis of combined performance in written examination and interview.

Candidates holding M. Phil degree or those who have cleared JEST of DAE or UGC-NET or GATE-IIT will be exempted from Entrance Examination as per UGC Guidelines but shall have to register with the University and be interviewed by the Committee.

Successful candidates can pursue research either Full-time or Part-time.

Ordinarily, candidates offered a fellowship by the University or any other agency will have to pursue research degree programme on a full-time basis. However, candidates employed in an organisation may be permitted to register as Part-time students. Moreover, they shall work and be present at the University Campus in Itanagar as and when needed for the purpose of their research.

## **Admission/Registration after the interview**

A candidate declared as successful shall be required to apply to the Registrar, Himalayan University in the prescribed Application Form and the

candidate shall be given provisional admission/registration letter as per University Norms and Conditions.

A candidate who has been offered registration shall be required to deposit the prescribed programmed fee at the time registration, failing which her/his registration may be treated as cancelled. However, in special cases, extension up to six months may be granted.

The applicant shall submit five copies of his/her Ph. D. proposal as per the Guidelines along with the application.

The date of the Research proposal acceptance shall be treated as the date of provisional Registration of the candidate and the candidate shall be given provisional admission/registration letter as per University Norms and Conditions.

The registration shall be valid for three years. Extension up to a maximum period of two years could be given by the Research and Recognition Committee/s concerned only if considerable work has been done by the candidate. The candidate concerned must submit the application for extension through his guide and Head of the Place of Research three months before the expiry of the registration period along with requisite fee. Further extension of one year will be given by Vice-Chancellor on the recommendation of the Dean of the Faculty concerned as per University Norms.

**Allocation of Research Supervisor:**

Eligibility criteria to be a Research Supervisor, Number of Ph.D. scholars permissible per Supervisor, etc.

1. Any regular Professor of the University/Institution Deemed to be a University with at least five research publications in refereed journals and any regular Associate/Assistant Professor of the university/institution deemed to be a university with a Ph.D. degree

and at least two research publications in refereed journals may be recognized as Research Supervisor.

Provided that in areas/disciplines where there is no or only a limited number of refereed journals, the Institution may relax the above condition for recognition of a person as Research Supervisor with reasons recorded in writing.

2. Only a full time regular teacher of the concerned University/Institution Deemed to be a University can act as a supervisor. The external supervisors are not allowed. However, Co-Supervisor can be allowed in inter-disciplinary areas from other departments of the same institute or from other related institutions with the approval of the Research Advisory Committee.
3. The allocation of Research Supervisor for a selected research scholar shall be decided by the Department concerned depending on the number of scholars per Research Supervisor, the available specialization among the Supervisors and research interests of the scholars as indicated by them at the time of interview/viva voce.
4. In case of topics which are of inter-disciplinary nature where the Department concerned feels that the expertise in the Department has to be supplemented from outside, the Department may appoint a Research Supervisor from the Department itself, who shall be known as the Research Supervisor, and a Co-Supervisor from outside the Department/ Faculty/Institution on such terms and conditions as may be specified and agreed upon by the consenting Institutions.
5. A Research Supervisor/Co-supervisor who is a Professor, at any given point of time, cannot guide more than Eight (8) Ph.D. scholars. An Associate Professor as Research Supervisor can guide up to a maximum of six (6) Ph.D. scholars and an Assistant Professor as Research Supervisor can guide up to a maximum of four (4) Ph.D. scholars.

## **Course Work**

The course work is compulsory and will carry 20 credits. The bifurcation of these credits shall be as under:

1. 5 credits for Research Methodology which includes quantitative methods, computer applications, tools and techniques including instrumentation, communication skills and review of published research.
2. 10 credits for subject specific (2 subjects) course work in thrust areas of research.
3. 5 credits for field work, seminars and other academic activities. The evaluation will be done by the teachers of the University Department/Research Centre concerned.

Admitted candidates shall be required to undertake course work for a minimum period of one semester.

The course work shall be treated as pre-Ph.D. preparation. The University Department/Research Centre, as the case may be, shall decide the minimum qualifying requirement for allowing a candidate to proceed further with the writing of the Ph. D. thesis. If found necessary, course work may be carried out by doctoral candidates in related departments/institutes either within or outside the University, for which due credit will be given to them.

Candidates holding M. Phil degree from a recognized University and who were admitted to M.Phil through an entrance examination and had also successfully completed course work at M.Phil level may be exempted from the course work.

## **Progress Reports**

All the registered candidates shall be required to submit, through their research guides, detailed progress report every six months. If a



candidate fails to submit three reports consecutively, his/her registration may be treated as cancelled on recommendation of Head and Dean of the Faculty concerned.

## **SUBMISSION AND EVALUATION OF THESIS**

### **1. Submission of Synopsis:**

Every student will be required to submit synopsis at least after completion of 9 months from the date of registration and on successful completion of the Course Work. The synopsis should contain introduction, chapter-wise brief account of the work and overall conclusions. The candidate shall be allowed to submit his/her thesis after completion of a period of 15 months and before 18 months from the date of submission of synopsis, failing which the candidate will have to pay the prescribed fee for late submission.

### **2. Submission of Thesis:**

Ph.D. students must publish at least two research papers in standard referred journals before the submission of thesis/monograph for adjudication, and produce evidence for the same in the form of acceptance letter or the reprint. At least three months before the date of submission of the thesis, every student will be required to make a pre-submission presentation. The seminar for this purpose shall be arranged by the University on the request of the student and duly endorsed by the guide. The final plan of the thesis will be discussed by the research scholar. Presence of research guide (at least one in case of joint supervision), the Head of Department and Director, Research or his/her nominee shall be mandatory.

In the light of the discussions during the seminar, student shall submit to the Registrar five copies of the thesis through his/her guide within one month from the date of presentation of seminar. The guide will submit a list of referees to the Academic Section of the University.

## Evaluation

1. The Academic section shall seek approval of the panel of examiners by Board of Examinations and communicate the approved panel to the Controller of Examinations, who shall invite the first three examiners from the approved panel, to examine the thesis. The Controller of Examinations shall forward the thesis to the examiners within a week from the date of the receipt of the acceptance letter of the examiner or the submission of thesis, whichever is later. If an examiner does not accept the invitation within thirty days from the date of dispatch of the invitation letter, the Controller of Examination shall send an invitation letter, to the next examiner on the panel.
2. The external examiners shall be requested to send their reports to the Controller of Examinations within sixty days from the date of receipt of the thesis. (The reports sent by fax or e-mail by using the 'postscript' package will be accepted.) If an examiner fails to do so, the Controller of Examinations shall send a reminder immediately after the expiry of the said period and request him/her to submit the report within thirty days. If the examiner under reference fails to comply even within the extended period, the COE shall cancel his appointment forthwith and inform him the same. She/he will then invite the next examiner from the approved panel to evaluate the thesis.

In the event of a request for the late submission of a report, receipt of the report after the appointment has been cancelled or the loss of report in transit or delay in postal services etc., the Dean of the Faculty concerned shall take an appropriate decision in the interest of the candidate concerned.

3. The positive reports received from the external examiners and the Research Guide (Internal Examiner) shall be immediately forwarded to the Head of Department, who, after ascertaining that the reports are favourable, shall arrange the viva and the defense of the thesis at the earliest date suitable to the Internal Examiner, the nearest external examiner and the Chairperson. The Head of the Department shall nominate the Chairperson for the defense from a panel of three senior research guides to be suggested by the Internal Examiner. The Head shall make the reports available to the candidate, the Research Guide and the Chairperson at least a day before the date of the viva. In case of any problem, the Dean of the Faculty concerned will take an appropriate decision.
4. In case an external examiner gives an unfavorable report, the Controller of Examinations shall get the thesis examined by an additional examiner from the panel of examiners approved by the Board of Examinations. If the additional examiner also gives an unfavorable report, the candidate will be declared failed.

### **Viva Voce and Defense of Thesis**

The day, date, time and the place for the viva voce and the defense of thesis shall be notified by the Head at least eight days in advance. Normally, the viva voce and the defense of the thesis shall be arranged in the University Department. In exceptional cases, the Vice-Chancellor may allow the viva to be conducted at a Place outside the University campus. In such a case, the procedure and norms for the conduct of viva, payments, etc. shall be as laid down by the University.

The defense of the thesis shall take place in the presence of the Guide (Internal Examiner), one External Examiner and the Chairperson,

who shall jointly evaluate the performance of the candidate. In case of dispute, the Dean of the Faculty concerned shall take an appropriate decision. If neither of the external examiners can be present at the time of the defense, the Vice-Chancellor, on the recommendation of the Guide and the Dean of the Faculty concerned, shall appoint a senior research guide to act as an examiner for the defense of the thesis. In case the Internal Examiner is not available, the Vice-Chancellor shall appoint one of the senior research guides on the recommendation of the Dean of the concerned Faculty. The examiners present for the viva-voce and the defense of the thesis shall submit to the COE their final consolidated report along with the reply given to the queries raised by the external examiners in the written form, signed and accepted by the members of the Viva-Voce Panel and a list of the persons attending the open defense in respect of the award of the Ph.D. degree immediately after the defense is over.

In case the defense is not satisfactory, the examiners may unanimously recommend with reasons that a fresh viva-voce and defense of the thesis be organized within a period of not less than one month. If the defense is still not satisfactory, the Committee would record the reasons for the same. The Committee may recommend the resubmission of the thesis with suggested changes or recommend the rejection of the thesis

### **Himalayan University**

**Jullong Campus:** Jullong village near Central jail, Itanagar, Distt. Papumpare-791111, Arunachal Pradesh

**Chimpu Campus:** Chimpu, Near Arunachal Pradesh Forest Corporation  
Guest House, Gohpur Tinali, Itanagar, Distt. Papumpare- 791111, Arunachal  
Pradesh

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