



ADMISSION FOR Ph.D PROGRAMME (July 2014 Session)

IDRBT, the premier Institute of Banking Technology in India, spearheads efforts in providing state-of-the-art technologies for the Banking and Financial Sector. The Institute interfaces Research and Development, Academics, Executive Education and Best Practices.

Consequent upon the recommendations of an Expert Committee headed by Dr. C. Rangarajan, Chairman, Prime Minister's Economic Advisory Council, IDRBT has initiated ambitious plans to scale up its research and academic activities.

The Institute has been offering a Ph.D Programme in collaboration with the University of Hyderabad (A Central University) since 1999. The University of Hyderabad, a premier institution of teaching and research in the country, was established by an Act of Parliament on 2nd October 1974 as a Central University. The NAAC has awarded "A" Grade with a Cumulative Grade Point Average of 3.89 on 4.0 scale to the University. The University Grants Commission has declared the University of Hyderabad a 'University with Potential for Excellence.' The University has also been rated by the National Information System for Science and Technology of the Department of Scientific and Industrial Research, 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.

On February 05, 2011, IDRBT has been granted Associate Institution Status by the University of Hyderabad for undertaking research independently at IDRBT for the award of Ph.D. Degree in the areas of Computer Science and Information Technology. Four batches of Ph.D. scholars under the aegis of the Associate Institution category have joined the Institute in January 2012, July 2012, January 2013 and July 2013.

IDRBT now invites applications for its full-time Ph.D Programme in Computer Science and Information Technology [with focus on Banking Technology] for the session starting in July 2014. The eligibility criteria for the Ph.D programme is as under:

1. ESSENTIAL QUALIFICATIONS

Masters Degree in any Engineering / Technology; **OR** M.Phil in Mathematics or Statistics or Electronics; **OR** Master's Degree in Computer Applications / Computer Science / Mathematics / Statistics / Electronics / Information Systems / Internet Technology / Geo-Informatics / Bio-Informatics **OR** Bachelor's Degree in B.E. / B.Tech with a minimum of 60% marks in any of the above stated qualifying degrees (**a relaxation of 5% marks is provided to SC/ST candidates**).

All educational qualifications must have been obtained from recognized universities/institutions in India or abroad. If grades are awarded instead of marks, candidates should clearly indicate their numerical equivalent.

2. SPECIALISATION

Candidates should have a keen interest to carry out research in one of the following areas of Banking Technology:

- **Information Technology in Banking**
- **Electronic Payment and Settlement Systems**
- **Financial Networks and Applications**
- **Security Technologies for the Financial Sector**
- **Financial Information Systems & Business Intelligence**
- **Financial Inclusion Technologies**
- **Core Banking Software System**
- **Mobile Banking & Alternate Delivery Channels**
- **Open Source Technologies**
- **Information Security**
- **Closely Related Areas**

3. NO. OF SEATS

The Institute can admit upto Eight (8) Ph.D Scholars in a year and the reservation break-up, category-wise, is as follows:-

Category	No. of Seats
1. General	4
2. Other Backward Classes (OBC) (non creamy layer)	2
3. Scheduled Castes (SC)	1
4. Scheduled Tribes (ST)	1
Total	8

The Ph.D programme is offered only on a regular full-time basis and accordingly only candidates who are interested to pursue the programme on a regular full-time basis at IDRBT, Hyderabad, need to apply. This criterion shall also apply to the candidates from the Indian Banking and Financial Sector.

4. RESEARCH FELLOWSHIP

The selected Research Scholars would be paid a monthly stipend of Rs. 18,000/- per month during the first and second year and Rs. 20,000/- per month during the subsequent years. The fellowship, based upon performance, is normally tenable for five years. No fellowship would be available beyond five years.

5. FACILITIES

The Institute would provide accommodation to the selected Research Scholars in the Institute's quarters at Begumpet, Hyderabad, on nominal applicable charges. The Institute also provides one laptop and funding of upto Rupees One lakh for attending international conferences as per the rules of the Institute to the Research Fellows. The Institute provides an excellent research ambience and has a well-stocked library.

6. ENTRANCE EXAMINATION

The Entrance Examination for admission to the Ph.D. programme would consist of:

(i) **A Written Examination** of 75 marks for 2 hours from 10 am to 12 noon on **June 22, 2014 (Sunday)** at the Dr. Sarvepalli Radhakrishnan Lecture Hall Complex, University of Hyderabad Campus, Gachibowli, P.O. Central University, Hyderabad, Andhra Pradesh, 500046. The candidates must reach the venue by 9.30 a.m. The candidates may note that the venue is around 25 kilometres from the main city of Hyderabad and they should make their travel arrangements accordingly. Candidates arriving after 10 am will not be allowed to take the Written Examination. The results of the Written Examination would be announced on the IDRBT's Website www.idrbt.ac.in by 9 pm on **June 22, 2014 (same day)**.

(ii) **Personal Interview** (only for the candidates qualifying the written examination and those who are eligible for waiver of Written Examination as per Paragraph (iii) below and have opted for it), on **June 23, 2014 (Monday)** for 25 marks from 9:30 am onwards at IDRBT, Castle Hills, Road No.1, Masab Tank, Hyderabad – 500057, Andhra Pradesh.

iii) Waiver of Written Examination: Candidates who fulfill the following minimum requirements are exempted from appearing only for the Written Examination:

(a) Candidates having UGC-CSIR JRF are eligible to appear directly for the interview. 40 marks are assumed in lieu of written test marks. However, to gain more than the minimum marks, they are strongly advised to appear for the Written Test.

(b) GATE-qualified M.Tech. Computer Science Students with 8.5 CPI or equivalent can opt for an exemption of the Written Examination and the GATE Score will be scaled to 75% in lieu of Written Examination Marks.

The Written Examination and Personal Interview would be conducted at Hyderabad, Andhra Pradesh only. Accordingly, candidates called for the Entrance Examination should make their own Travel and Accommodation arrangements in such a way that they can stay in Hyderabad for two days and the Institute shall have no responsibility in this regard.

Candidates who qualify the Written Examination and also attend the Personal Interview would be reimbursed 3rd AC return railfare by the shortest route on production of tickets.

It may be noted that all those who apply will be issued Hall Tickets for the Entrance Examination without verifying whether or not they satisfy the eligibility criterion for Admission. Accordingly, all candidates who are applying for the programme may make their Travel and Accommodation arrangements for the Entrance Examination.

The eligibility criterion for Admission will be examined at the time of final Admission, if granted. The candidates are therefore advised to ensure that they meet the eligibility criteria prescribed before submitting their application form. 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 and allowing a candidate to complete the admission which is provisional will not entitle a candidate for any claim on the provisional admission if s/he does not fulfill the required eligibility conditions for admission as prescribed herein. This will be verified at the time of admission, if granted. At any stage, during the pursuance of the 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.

7. ENTRANCE EXAMINATION FORMAT

The Question Paper for the Written Examination will consist of 75 objective questions in two parts – Part A and Part B. While Part A would contain 25 questions carrying 25 marks, Part B

will contain 50 questions carrying 50 marks. There will be negative marking of 0.33 mark each for every wrong answer in both the parts.

The written test covers the areas of Technical Comprehension, Computer Organisation, Computer Programming, Discrete Mathematics, Data Structures, Algorithms, Operating Systems, Database Management Systems, Graph Theory, Computer Networks and Automata. Further, candidates should have a keen interest to carry out research in one of the areas of Banking Technology as mentioned in Para 2 above.

At the time of the interview, all candidates must come prepared with a tentative research plan write-up of maximum size of 4 pages (six copies) and they are encouraged to submit details of research papers/technical reports they have authored. The candidate should bring his/her Project Report(s)/ Dissertation(s)/Thesis of the Qualifying/Master's Degree for the interview.

8. APPLICATION FORM

Candidates interested to pursue the Ph.D. Programme may apply in the **prescribed Application Form** [[click to download the application form](#)]. Incomplete applications/not in the prescribed format will be rejected and no correspondence in this regard will be entertained by the Institute. There is no application fee.

Candidates belonging to SC/ST category should submit along with the application a scanned copy of the certificate of their caste / tribe from a Revenue Officer not below the rank of Tahsildar / Mandal Revenue Officer. Further, SC/ST candidates belonging to the state of Andhra Pradesh should submit an Integrated Community Certificate issued by the Competent Revenue Authority. Candidates claiming OBC reservation must enclose an attested copy of the latest OBC (non-creamy layer) certificate (obtained on or after April 01, 2013) issued by a competent authority in the format prescribed by the Government of India without which their claim will not be considered under OBC category.

9. LAST DATE FOR RECEIPT OF APPLICATION

The filled-in application form may be sent so as to reach the Institute on or before **May 15, 2014** to “**The Director, IDRBT, Castle Hills, Road No.1, Masab Tank, Hyderabad – 500057**” by e-mail to phdjuly2014@idrbt.ac.in. All applications / correspondence must necessarily be through the above-cited e-mail only.
