Indian Institute of Technology Guwahati, Guwahati – 781039

Dr Samit Bhattacharya   02.05.2017
Convener, Admissions Committee,
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Department of Computer Science & Engineering

Call letter for Written Test and Interview for admission to the Dual Degree (M.Tech+Ph.D) programme at this Department commencing in July 2017.
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Dear Applicant,

With reference to your online application for admission to the regular (full time) **Dual Degree (M.Tech +Ph.D)** Programme in the Department of Computer Science and Engineering (CSE) of this institute commencing in July 2017, we are pleased to inform you that you have been shortlisted to appear for a **Written Test and Interview** according to the schedule given below:

Date & Time of Written Test   : **Thursday, 25th May, 2017 at 9.00 a.m.**
Date & Time of Interview   : **Thursday, 25th May, 2017 at 12.30 p.m.**
Reporting Venue   :**CSE Department   Seminar Hall, Ground Floor, Department of Computer Science & Engineering, H-Block, Academic Complex, IIT Guwahati**

The written test will be based on Engineering Mathematics (B.Tech curriculum) and Programming/Data Structure; (for Syllabus, see Annexure-B attached). Based on the performance in this test, **short-listed** candidates will be called for the interview.

Please note that:

(1)   The **First List** of selected candidates shall be displayed in the Institute's website http://www.iitg.ernet.in/acad/AdvtNotificationJuly2017/AdvtNotificationJuly2017.htm within two weeks after conclusion of the Written Test and Interview.

   If selected, you will be required to reserve your offered seat by depositing full admission fee (as per details as indicated at ANNEXURE-A)*by scheduled time to be notified; failure to which your provisional admission offer shall be cancelled.

(2)   Subject to vacancy of seats, **if any further selection list is drawn**, candidates shall be intimated through e-mail. Candidates not having e-mail id shall be intimated through Fax, *provided such fax numbers are correctly stated in his/her admission* application form. Otherwise, the candidates shall have to keep on visiting the Institute's website

Note: *   In case you decide to withdraw from the programme by intimating (sending also the copy of your Admission Fee deposit receipt, without which your request for withdrawal will not be valid) the Institute, through its Fax No. 0361 – 258 2090,   e-mail : acadoff@iitg.ernet.in, **latest by 06-07-2017**, a sum of Rs.1,000/- only shall be deducted from your admission fee deposit, and the balance amount shall be refunded to the address, to be specified by you in the fax letter. **Otherwise, only refundable portion of your admission fee deposit shall be returned** to you. Refund of fees for withdrawal cases will be sent from IIT Guwahati by around 30-09-2017.

Also, please note the following:

(a)   (1)   Firstly, you will be required to bring your downloaded and signed copy of the Online Application Form (*If due to some reasons, you filled-up more than one online application forms, you have to bring the latest and updated one only*),

ALONG WITH:

(i)   your coloured photograph of size 4.5 cm. x 3.5 cm., affixed on it;

(ii)   **Original Demand Draft** for Rs.150/- (Rs.75/- for SC/ST/PD candidates), from any nationalized bank, in favour of INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI, payable at Guwahati;

(iii)   attested copy of your Date of Birth Certificate (if DoB is not mentioned in your Class X/XII Pass Certificate/Mark Sheet);

(iv)   *if applicable*, attested copy of your Caste Certificate [*Please note that OBC (Non-creamy Layer) Certificate will have to be as per format prescribed in our Admission Notification for PhD programme, **and issued by the competent authority on or after 01-04-2016, failure to which you will be considered under `General' category***];

(v)   *if applicable*, attested copy of your `PwD' Certificate;

(vi)   *if applicable*, the appropriate **Form in original** relating to candidate's Category [Sponsored (Full-Time)/Self-Financed/IITG's Project Staff/ Part-Time/External] - *as per format prescribed in our Admission Notification for PhD programme*;

(vii)   attested copies of Pass Certificates and Mark Sheets [*Mark Sheets should be complete for all semesters/years* of your educational qualifications (from Class X onwards)];

(viii)   *as may be applicable*, copy of your qualifying degree Grade Point Average to Percentage conversion certificate(or proof thereof);

(ix)   *as may be applicable*, attested copy of your valid GATE/CEED/NET(JRF)/INSPIRE Score Card (*This is a MUST, unless your qualifying degree is ME/MTech/MDes/MArch/MD/ MVSc/ MPharm* **OR** *Four-year Bachelor's degree in engineering/Technology or equivalent in a relevant area, with a Postgraduate Degree in Management Science(Finance) or MBA with Finance specialization or equivalent (for Construction Management area of Civil Engineering)* **OR** *Master's (M.A./M.Sc.) degree from an Indian Institute of Technology (IIT) with minimum CPI of 8.0* **OR** *a Bachelor's (BTech/BDes) degree from a Centrally Funded Technical Institution(CFTI) with minimum CPI of 7.0];* and

(x)   *as may be applicable*, attested copy of Certificates relating to your   professional experience etc..

(2)   *As may be applicable* , you are also required to bring all **ORIGINAL documents relating to** points (a)(1) (iii), (iv), (v), (vi), (vii), (viii), (ix) and (x), for verification on the day of your **Written Test and/or Interview.**

(b)   If you have appeared in the qualifying degree examination and your results are awaited OR you are going to appear in all the subjects of your qualifying degree examination before **14-07-2017**, you may appear in the **Written Test and Interview**. Please note that, for such candidates, selections shall be provisional. And all provisionally selected candidates shall have to produce their original pass certificates and Mark Sheets of the qualifying degree examination latest by **21-08-2017**, for regularization – failure to which their admissions shall stand automatically cancelled.

Yours sincerely,

Dr. Samit Bhattacharya   Prof. Diganta Goswami
Convener, Admissions Committee 2017-18   Professor & Head
Department of CSE   Department of CSE
IIT Guwahati   IIT Guwahati

For New PhD/Dual(MTech+PhD) students for July-Nov 2017 Semester (First Semester)

Sl. No.	Items	Periodicity	Amounts (Rs.)
1.	Admission fee	One Time	150
2.	Thesis Fee	One Time	950
3.	Provisional Certificate Fee	One Time	100
4.	Medical Examination Fee	One Time	100
5.	Student Welfare Fund	One Time	200
6.	Identity Card Fee	One Time	50
7.	Tuition Fee *	Per Semester	2,500
8.	Examination Fee	Per Semester	350
9.	Registration / Enrolment Fee	Per Semester	200
10.	Gymkhana Fee	Per Semester	200
11.	Medical Fee	Per Semester	100
12.	Institute Caution Money	One Time (Refundable)	1,000
13.	Library Caution Money	One Time (Refundable)	1,000
14.	Hostel Admission Fee **	One Time	400
15.	Hostel Rent **	Per Semester	1,000
16.	Hostel Fund**	Per Semester	400
17.	Fan, Electricity and Water Charges **	Per Semester	2,000
18.	Hall Caution Money **	One Time(Refundable)	1,000
19.	Students' Brotherhood Fund (SBF)	Per Semester	50
20.	Group Medical Insurance Scheme(GMIS) Premium for 2016-17	Per Year	1,500
Total (1 to 20) for General/OBC(NCL) category - (Without mess related fee / deposit**)**		**Hosteller**	**13,250**
		Non-hosteller	**8,450**
Total (1 to 20) for SC / ST / PwD category - (Without mess related fee / deposit**)**		**Hosteller**	**10,750**
		Non-hosteller	**5,950**

Mess related Collections for all hosteller students:			
Sl. No.	Items	Periodicity	Amounts (Rs.)
21.	Mess Deposit	One Time (Refundable)	2,600
22.	Hall Mess Establishment Charges	One Time	1,000
23.	Mess Advance	First Semester	11,495
Total (21 to 23)			**15,095**

GRAND TOTAL (1 to 23) FOR GENERAL/OBC(NCL) CATEGORY - WITH MESS RELATED FEE / DEPOSIT	**Hosteller**	**28,345**
	Non-hosteller	**8,450**
GRAND TOTAL(1 to 23) FOR SC/ST/PwD CATEGORY- WITH MESS RELATED FEE / DEPOSIT	**Hosteller**	**25,848**
	Non-hosteller	**5,950**

* SC / ST/ PwD students are not required to pay Tuition Fees
** These are Hostel related Fees to be paid by Hostellers only.

Syllabus for the Written Test – Dual Degree (M.Tech+Ph.D)

Part A: Engineering Mathematics

Set Theory & Algebra:

Sets; Relations; Functions; Groups; Partial Orders; Lattice; Boolean Algebra.

Linear Algebra:

Algebra of matrices, determinants, systems of linear equations, Eigen values and Eigen vectors.

Numerical Methods:

LU decomposition for systems of linear equations; numerical solutions of non-linear algebraic equations by Secant, Bisection and Newton-Raphson Methods; Numerical integration by trapezoidal and Simpson's rules.

Probability and Statistics:

Sampling theorems, Conditional probability, Mean, median, mode and standard deviation, Random variables, Discrete and continuous distributions, Poisson, Normal and Binomial distribution, Correlation and regression analysis.

Part B: Programming and Data Structures:

Programming in C; Functions, Recursion, Parameter passing, Scope, Binding; Abstract data types, Arrays, Stacks, Queues, Linked Lists, Trees, Binary search trees, Binary heaps, Sorting and Searching.

Annexure – C (Miscellaneous Information)

(A) In case you intend to stay at the hostel, **please bring a bedroll**. Note that only the shortlisted candidates will be provided accommodation in the hostels. No accompanying persons can be accommodated in the hostels. Details regarding accommodation will be posted at the Department website by May 20th, 2017 : http://www.iitg.ernet.in/cse.

(B) On arrival at Guwahati you may make use of the Institute bus service. This bus service (designated "Green-Valley, ON IIT DUTY") operates from G.N.B road, Panbazar, near Assam Publication Board, opposite Hotel President, Guwahati (which is about a kilometre away from the Guwahati Railway Station) to the IIT Guwahati campus. Details are available in the following weblink.

http://www.iitg.ernet.in/aa/pages/campusmap/index.php?hq

(C) Kindly visit our department website for updates. http://www.iitg.ernet.in/cse/

(D) For any queries, contact **cseadmissions@iitg.ernet.in**.

Mention your application number and name in all correspondences.