

Information Brochure
Admission to M.Sc. Program
2020–2021

Indian Institute of Engineering Science and Technology, Shibpur

भारतीय अभियांत्रिकी विज्ञान एवं प्रौद्योगिकी संस्थान, शिवपुर
ভারতীয় প্রকৌশল বিজ্ঞান এবং প্রযুক্তিবিদ্যা প্রতিষ্ঠান, শিবপুর

Formerly Known as Bengal Engineering and Science University, Shibpur
Howrah 711 103, West Bengal, India

NIRF Ranking (Year-2019)
Engineering – 19; Overall – 36



Website: www.iiests.ac.in

May, 2020

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IMPORTANT INFORMATION

- a) Admission to the full time two-year (four-semester) M.Sc. programs of IEST, Shibpur will be through Centralized Counseling for M.Sc. / M.Sc (Tech) Admissions in NITs and CFTIs, 2020 (CCMN 2020) (<http://ccmn.admissions.nic.in>). For other information refer Institute's website (<https://www.iests.ac.in>). The session will commence on and from 5th August, 2020 (Tentative).
- b) Hostel accommodation is not guaranteed. A limited number of seats are available which will be allocated on preferential basis.
- c) For details of schedule for online registration, online choice filling, locking of choices, 1st round/ 2nd round/3rd round allotment, date(s) of reporting, date of National Spot Round, date(s) of admission etc, candidates are advised to regularly check CCMN 2020 website (<http://ccmn.admissions.nic.in>).

THE INSTITUTE

Indian Institute of Engineering Science and Technology, Shibpur (IEST, Shibpur) started its journey in 1856 as Calcutta Civil Engineering College and emerged as a premier engineering college in the pre-independence India. It was renamed as Bengal Engineering College, Shibpur in 1920. The College received the status of a Deemed University in 1993 and was subsequently transformed to Bengal Engineering and Science University, Shibpur in 2004. The institute has been upgraded to an Institute of National Importance by the amendment of NITSER Act of the Parliament in 2014 and renamed as Indian Institute of Engineering Science and Technology, Shibpur. The Institute has fifteen departments of Engineering, Architecture, Science and Humanities & Social Science disciplines. In addition, it has five Schools and two Centres dedicated for imparting education and conducting research in interdisciplinary fields. One of the remarkable strengths of the Institute is the pool of excellent faculty members. State-of-the-art research facilities and other academic resources are helpful to undertake fruitful and relevant research at the Institute. The century-old legacy of the Institute has produced illustrious alumni who made remarkable contributions in different fields across the globe. The current (2019) NIRF ranking of the Institute is 19 in Engineering with overall ranking of 36.

MISSION-VISION

The Vision of IEST, Shibpur is to become one of the best Institutes in the world in providing the state-of-the art multi-disciplinary research ambience that will usher innovative world class technologies developed towards realizing the goal of Developed India.

IEST, Shibpur functions as an Institute of higher learning and advanced research. Prime activities include creation and dissemination of knowledge; producing engineers, scientists, and entrepreneurs of highest quality equipped with the latest technologies and developing innovation technology solutions for the cause of the society.

FOUR-SEMESTER M.Sc. PROGRAM

The Institute is offering four-semester postgraduate courses leading to Master of Science (M.Sc.) degree in Chemistry, Applied Geology, Applied Mathematics, Physics, and Food Processing & Nutrition Science offered by Chemistry Department, Earth Sciences Department, Mathematics Department, Physics Department and the School of Community Science and Technology (SOCSAT), respectively. The total intake of each course is 40.

ABOUT THE DEPARTMENTS

The faculty members of each of the above departments and school are actively engaged in teaching and advanced research. The departments also offer strong Ph.D. program. After completion of M.Sc. course many students have been selected as doctoral scholars in various reputed institutes like, IISc, Bangalore; IISERs, IITs; IACS, Kolkata; NITs etc. and in foreign universities.

ADMISSION

Admission to all seats of two-year (four-semester) M.Sc. programs of this Institute shall be made through Centralized Counseling for M. Sc/M. Sc (Tech) Admissions in NITs and CFTIs, 2020 (CCMN 2020). Candidates seeking admission to M.Sc. programs are advised to register at CCMN2020 website (<http://ccmn.admissions.nic.in>) and follow the counseling processes carefully. For other information refer Institute's website (<https://www.iests.ac.in>).

Reservation for SC/ST/PwD/OBC/EWS/OC Categories

Admission to different categories (SC/ST/PwD/OBC/EWS/OC) shall be as per Government of India rules.

Seat Matrix and eligibility:

Program Name	Eligible Degree with subject	Eligible JAM Paper	Number of Seats										Total
			OC	EWS	OBC	SC	ST	OC-PwD	EWS-PwD	OBC-PwD	SC-PwD	ST-PwD	
M. Sc. in Chemistry	B.Sc. degree (3 Years/ 4 years) with Chemistry as one of the subjects in at least six semesters and both Physics & Mathematics as other subjects in at least two semesters.	CY	15	4	10	6	3	1	0	1	0	0	40
M. Sc. in Applied Geology	B.Sc degree (3 Years/ 4 years) with Geology/Applied Geology/Earth Sciences as one of the subjects in at least six semesters and both Chemistry & Mathematics as other subjects in at least two semesters.	GG	15	3	11	6	3	1	1	0	0	0	40
M. Sc. in Applied Mathematics	B.Sc. degree (3 Years/ 4 years) with Mathematics as one of the subjects in at least six semesters and Physics/Chemistry/Statistics/Computer Science (any two) as other subjects in at least two semesters.	MA	16	4	10	5	3	0	0	1	1	0	40
M. Sc. in Physics	B.Sc. degree (3 Years/4 years) with Physics as one of the subjects in at least six semesters and Mathematics as one of the other subjects in at least two semesters.	PH	15	4	10	6	3	1	0	1	0	0	40
M. Sc. in Food Processing and Nutrition Science	B.Sc. degree (3 Years/ 4 years) in Food Technology/ Biotechnology Or B.Sc. degree (3 Years/ 4 yeras) in Biological Science and Chemistry as one of the other subjects Or B.Sc. degree (3 Years/ 4 years) in Chemistry and Biological Science as one of the other subjects.	BT	16	4	10	6	2	1	0	0	0	1	40

Minimum academic eligibility:

B.Sc. degree (3 Years/4 years) with overall at least 60% marks (CGPA=6.5 on a 10 point scale) for OC/EWS/OBC category candidates and 55% marks (CGPA=6.0 on a 10 point scale) for SC/ST and PwD category candidates.

Notes:

- All candidates who are eligible for admission but whose results are yet to be declared, shall be allowed for provisional admission, if selected, on production of Course Completion Certificate from appropriate authorities. Similarly all eligible candidates who are migrating from other University shall be allowed for provision admission, if migration certificate or no objection certificate from the University last attended cannot be submitted at the time of admission. They shall be required to submit their results of the qualifying degree examinations and migration certificate (as applicable) by 30.09.2020 (subject to change due to COVID-19 situation) and failing which their admission shall stand canceled.
- The candidates, who fail to report at the venue of the Reporting Centre at the scheduled date and time, shall not be eligible for admission. Request for change of time and date etc. will not be entertained. The certificate for EWS/OBC/SC/ST/PwD must be submitted as per prescribed format of CCMN.

- The session will tentatively commence from 14.08.2020 (exact date will be available in the Institute website). The students admitted must report to the respective Head of the Department along with the Provisional Admission Certificate issued by the Dean (Academic). If any student fails to report within one month from the date of commencement of classes, his/her admission shall stand canceled
- In case of non-availability of suitable PwD candidate the seat can be filled up by the suitable candidate of same category as per government norm

FEES AND OTHER DETAILS FOR THE M.Sc. COURSES

Details of the fee structure are shown in the following Table.

Sl. No.	Item	Amount per semester (₹)
1.	Admission Fee	500.00
2.	Students Activity Fee	500.00
3.	Infrastructure maintenance fee	2,500.00
4.	Examination Fee	1,000.00
5.	Tuition Fee (Fully waived for SC/ST/PwD students)	15,000.00
6.	Institute Caution Money (One time and refundable)	3,000.00

Total amount payable at the time of admission:

(i) for OC/EWS/OBC students: ₹ 22,500.00 and

(ii) for SC/ST/PwD students: ₹ 7,500.00.

In addition to above an amount equals to the yearly premium for enrolling in compulsory medical insurance scheme of the students shall have to be paid. The exact amount of yearly insurance premium shall be intimated at the time of admission.

All fees are to be deposited in the UCO Bank, BESU branch, located at the ground floor of the Science and Technology building of the Institute, either in cash or by Demand Draft/Pay Order drawn in favour of “Registrar, IEST, Shibpur”, payable at Kolkata.

COMPLIANCE TO INSTITUTE RULES

All students shall be guided by the Postgraduate Ordinance of the Institute. [Ref: <https://www.iests.ac.in>]

All students are bound by the Institute Rules and must obey such orders as may be issued from time to time by the appropriate authority. Serious breach of Institute Rules may entail removal from the Institute. For vacations and holidays the academic calendar notified at the beginning of each semester shall be followed.

The Campus of IEST, Shibpur is RAGGING FREE zone. At the time of admission, each student shall be required to furnish an undertaking in non-judicial stamp paper of ₹10.00 and signed by a notary in a prescribed format (text will be made available in the

website) that the student shall not indulge in any form of ragging. Appropriate action including expulsion from the Institute may be taken against the erring students.

CAMPUS

The Institute has a beautiful green campus covering an area of about 49 hectares situated on the bank of the river Hooghly. It is located next to the AJC Bose Indian Botanical Garden and opposite to the Kolkata Port. The campus has a number of academic and administrative buildings, library, accommodations for staffs and students, guest house, auditorium, swimming pool, students amenities, banks, school, hospitals and general services.



Institute Campus

Institute Academic Area

The four-storied main academic building accommodates most of the engineering departments, department of Human Resources Management, Office of the Dean and Office of the Controller of Examinations. The eight-storied Science and Technology building accommodates other engineering departments, architecture and science departments, and various centers and schools. SOCSAT is located inside a heritage building. Offices of the Director, Deans, Registrar, and other administrative offices are also located in this building.



Main Academic Building

Students Amenities

Office of the Dean of Students Welfare facilitates all students including the M.Sc. students to use different facilities available at the campus. The students of this Institute are encouraged to participate in sports and games, various cultural activities like music, photography, dramatics, paintings, model making, creative writing, debating, as well as to explore innovation and incubation of business plans, etc. All students are encouraged to participate in games or some form of physical training. The students are advised to join the athletics Club and at least one of the societies in the Students' Activity Centre. The campus has the following amenities for the students

- Centre for Creative Expressions with different hobby clubs
- R. N. Banerjee Student Recreation Centre
- Institute Hall: A Multipurpose Auditorium
- Gymnasium
- Oval and Lords - Two sports grounds
- Swimming Pool
- Alpona Banerjee Memorial Centre for Innovation
- Basketball court
- Student canteens /cafeteria as well as food kiosks
- Shanti-Neer: A Meditation Centre
- Tagore Green Business Incubation Centre



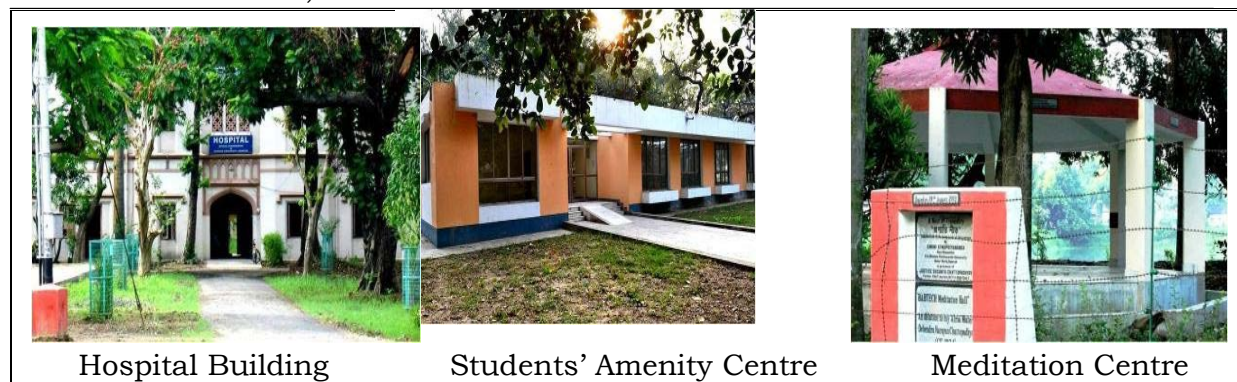
Oval Ground



Gymnasium



Swimming Pool



Hospital Building

Students' Amenity Centre

Meditation Centre

Health Service

The Institute has a hospital with Medical Officers and other supporting staff to serve the primary medical needs of the campus inmates. It provides 24hours ambulance service. The hospital has an ID Ward to effectively isolate students suffering from infectious diseases. However, for serious cases the patients are referred to suitable city hospital.

Other Services

The Institute is provided with uninterrupted power supply and Water supply. In addition, the Institute has its own captive generation plant and also water supply sources. There are three nationalized banks with ATM service inside the campus. The Institute has a well managed guesthouse. The students can purchase their stationary items from two shops located near the main academic building.

CENTRAL FACILITIES

Computer Centre

All departments, schools and centres of the Institute have computing facilities for their students. In addition, there is a Central Computer Centre which provides computing facilities for UG & PG courses and research works. The Computer Centre along with the departments, schools, centers, offices and hostels are connected to a campus wide fibre optic network. The entire campus including the hostels is Wi-Fi enabled.

Library

The Institute has a separate library building which is kept open from 9:00am to midnight. The library provides online search facilities (OPAC) of its database from any computer connected to the Internet and also from the computers in the library dedicated for the users. Currently, the library has more than 1.4 lakhs text and reference books, and 40,000 bound volumes of journals. It also has a huge collection of documents including patents, standards, technical reports and pamphlets. The library

possesses a good collection of old and rare books and journals of the nineteenth century. The library is a member of the Indian National Digital Library in Engineering Science and Technology (INDEST) and UGC-INFONET Digital Library Consortium of Information and Library Network (INFLIBNET) Centre and provides online access to full text of journals including American Society of Civil Engineers (ASCE), American Society of Mechanical Engineers (ASME), Economic and Political Weekly, IEEE /IIEE Electronic Library (IELOnline), ISID, JCCC@INFLIBNET, JSTOR, Science Direct, Springer Link and many others. It subscribes a large volume of e-books. The library also has different software which helps the students to write papers and reports in correct English with the plagiarism checking.

Workshop

The Workshop Complex has nine engineering workshops including Carpentry, Smithy, Welding and Painting, Fitting, Machine, Foundry and Pattern, Boiler, Electric, Automobile, and Project Model to offer workshop practice.



Workshop



Central Library

Human Resource Management

The Department of Human Resource Management is responsible for facilitating job placements as well as practical training for all students of this Institute including the M.Sc. students. Every department has Departmental Training & Placement Committee to facilitate the training and placement for the departmental students.

HOSTEL ACCOMMODATION

The Institute, with a student population of more than 4000, has 18 hostels including 3 girls' hostels. However, residential accommodation of all students including M.Sc. students is not guaranteed due to shortage of seats in the hostels. Hostel accommodation shall be provided as per the availability of the rooms. All new M.Sc. students, who have been allotted hostel accommodation, should report themselves to the respective Hostel Warden on their first arrival at the Institute and produce the

Receipt for the first installment of fees.

Hostel Dues and Mess Dues are to be paid by students residing in the hostels. All these dues are to be paid in advance at the time of admission to the first semester and also at the beginning of other semesters. The caution money, however, is to be paid one-time only during admission. The caution money shall be refunded after the completion of the course. However, caution money shall be forfeited if not claimed within one year after passing the course or leaving the Institution for any other reason, whichever is earlier. Students withdrawing from the Institute after admission may get some refund as per the refund policy of the Institute notified in the website.

All hostels residents should strictly abide the “Code of conduct for students / hostel residents” notified by the Institute which may be modified by the Competent authority from time to time.

Hostel Dues (for students staying in hostels)

Hostel Charges of ₹4000.00 is to be deposited in UCO Bank, BESU Branch located in the ground floor of the Eight-Storeyed Building, either in Cash or by Demand Draft/Pay order drawn in favour of “Registrar,IIEST,Shibpur”, payable at Kolkata. The candidate should collect his/her copy of the bank receipt as well as the Institute’s copy of the receipt and shall enclose the Institute’s copy of the receipt together with his/her application form for admission to Hostel.

Sl No	Item	Amount per Semester (₹)#
1	Hostel Maintenance Charge	2200.00
2	Seat Rent	1000.00
3	Electricity and Water Charges	800.00
	Total amount payable at the time of admission	4000.00

#All charges may change as per orders of the Institute authority. The candidates will be notified about the changes through the website.

Mess Dues (for students staying in Hostels)

Mess dues of ₹ 25,500.00, as per the following details, is to be deposited in the State Bank of India, BESU Branch preferably through HMS (Hall Management System Portal “MESS ADVANCE / MESS ENTRANCE /MESS CAUTION /MESS ESTABLISHMENT A/C”) at the time of admission. The candidates are requested to carry Debit Card / Credit Card for payment or may pay using Net Banking. In extreme case payment will be accepted through Demand Draft / Pay Order in favour of above account in

consultation with the admission official.

Sl No	Item	Amount per Semester (₹)#
1	Mess Caution Money (one time and refundable)	1,000.00
2	Mess Dues Advance (per semester and adjustable)	17,500.00
3	Mess Entrance Fee (per year and non-refundable)	3,000.00
4	Mess Establishment Fees (per semester and non-refundable)	4,000.00
	Total amount payable at the time of admission	25,500.00

#All charges may change as per orders of the Institute authority. The candidates will be notified about the changes through the website.

OPENING OF BANK ACCOUNT

All fees (Tuition fees and Examination fees etc.) are collected through the individual bank account of the student and for that each student is required to open an account at UCO Bank, BESU Branch. This is mandatory and to be opened within a month from the date of admission failing which the candidature of the student shall be cancelled. A student is expected to keep sufficient amount of money in his/her account. The dues are notified from time to time and deducted automatically from the account of the students. Defaulters with pending dues are not allowed to pursue further academic activities of the Institute. However, in future payment method may change.

REFUND OF FEES

- If a student withdraws in writing his or her name from the Institute in a proper format before the scheduled date for commencement of the course, Institute will refund the entire amount after deduction of ₹1,000.00 as processing fee.
- If a student withdraws his or her name from the Institute after commencement of the academic session then the Institute will refund only the Caution Deposit. In addition students staying in hostel will get refund the mess Caution Money Deposit.
- Refund will be made available to the student after withdrawal of admission applied in a proper format. The refund of money will be paid to the student by on line bank transfer or by Account payee cheque.
- If a student withdraws his or her name in writing from the hostel in a proper format before the scheduled date of commencement of the course, Institute shall refund the entire amount after deduction of ₹1000.00 as processing fee.
- If a student withdraws his or her name from the hostel after commencement of the

academic session then the hostel shall also refund the adjustable mess advance after deducting the actual mess fees for the number of months during his/her stay in the hostel.

For details Contact:

CCMN 2020 - M. Sc. Admission Committee Coordinator (s) of IEST, Shibpur:

Coordinator: Dr. Binay Krishna Ghorai, Professor, Department of Chemistry,
E. mail: binay@chem.iests.ac.in; Ph: 09433843142

Co-coordinator: Dr. Ananya Mukhopadhyay, Associate Professor, Department of Earth
Sciences, E. Mail: annie@earth.iests.ac.in; Ph: 09830012606

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CCMN-2020 Website: <http://ccmn.admissions.nic.in>