INFORMATION BROCHURE – JANUARY 2026

ADMISSION TO Ph.D. PROGRAMMES (JANUARY 2026 SESSION)

(Applicable only for candidates with a valid NET/GATE score)

Deemed to be University, under the MoE, Govt. of India
Kokrajhar, BTAD, Assam 783370

Contents

1. IMPORTANT DATES

Event	Date
Submission of online application commences on	03rd December 2025
Last date of submission of online Application form	31st December 2025
Date of Personal Interview	05th January 2026
Date of declaration of results	07th January 2026
Date of admission and commencement of classes	10th January 2026

2. DETAILS OF DEPARTMENTAL RESEARCH AREAS

The detailed list of specific research areas for Ph. D Programme in various departments are-

Department	Areas of Research
Civil Engineering	GeoTechnical Engineering, Geo-Environmental Engineering, Ground Improvement, Soil Stabilization, Seismic Microzonation, Liquefaction Analysis. Water Resources Engineering, Engineering Hydrology, Hydropower Engineering, Earthquake Resistant Masonry Building, Concrete Technology, Building Materials.
Electronics and Communication Engineering	Digital Image processing, Computer vision, Medical Image analysis, Biomedical signal analysis. Quantum machine learning; Microstrip Patch Antenna, Microwave Filter, Frequency Selective Surface; Optoelectronic Oscillator (OEO), Microwave Photonics (Radio-Over-Fiber), Nonlinear dynamics; Analog Circuit Design, Computational Nanoelectronics; Quantum image processing, Quantum Deep learning; Organic Field-Effect Transistor-based devices (for flexible and green Electronics)-Device fabrication and characterization; Energy devices-Lithium-ion batteries and Supercapacitors, Development of electrode nanomaterials.

Instrumentation Engineering	Instrumentation, Signal conditioning and processing, AI and Machine Learning, Signal Processing, Image Processing, Biometrics, Biomedical Instrumentation, Robotics, Mechatronics, Semiconductor Devices, Power Electronics, Modeling and Control of Dynamical Systems, Process Control, PID Design, Solar Energy Optimization, Energy Harvesting, Renewable Energy, Power Quality Assessment and Improvement, Non-Destructive Testing and its Applications.
Computer Science & Engineering	Cyber Security, AI and Machine Learning, Human Computer Interaction, Architectural Design of Integrated Circuit, Internet of Things, Wireless Sensor Networks, and Soft Computing, Blockchain Technology, Satellite Image processing, Computer Vision, Data Mining, Machine Learning, Natural Language Processing, Corpus linguistic, Data Science, Machine / Deep learning.
Food Engineering and Technology	Sustainable food preservation, and active and intelligent food packaging system Food Packaging and Preservation; Edible Films and Coatings, Functional Nanomaterials, Food and Agricultural waste Valorization; Fermentation biotechnology, Thermo-sonication of juices; Ultrasound assisted extraction of bioactive compounds; Thermal processing of foods, Rice science and technology; Starch modification; Traditional food products; Functional food product development, Phytochemicals and bioactive components, functional food, value addition and nutrient enhancement, Cold plasma application in food Processing; Renewable Energy, application in Food Processing; Machine Design.
Mechanical Engineering	Biomass waste to Bio-Energy and Bio-char, Use of char in various engineering, applications, CO_2 capture, Solar thermal energy conversion
Physics	Ferroelectric and Multiferroic, Ceramic composite, Perovskite solar cell device, Multilayer Thin Films for Bit Patterned Media, Thin Films of exchange coupled Hard/Soft bilayers towards permanent magnets, Thin films of Binary and Ternary Alloys for high-density Magnetic Storage Devices, Thin films of Spin Valve Structure for Magnetic Sensors, Nano-composite Materials, Photocatalysis, Heterogeneous catalyst, Dye Degradation, Graphene, Waste & Green Materials, Carbon Nanotube, Silk Based Material.
Chemistry	Porous Materials, Heterogeneous Catalysts, Mesoporous Materials, Graphene, Carbon nitride, Hydrotalcite, Carbon dot, Nano-composite, Synthetic Methodologies Intermediate & Platform Chemicals, Renewable Energy, Waste to Value-added Chemicals, Biomass, Biofuel & Pyrolysis, Photocatalysis, Waste Water Treatment, Synthesis of coordination compounds and their application in different fields, Synthesis of MOF and their applications, Nanocomposite materials with organic/bio polymers and their applications in electronics, Computational studies on- Structural and configurational aspects of DNA/RNA base pairs, Conformational properties of small bio-molecules and their interactions with metals, In-silico docking and molecular mechanical studies, Molecular dynamics simulations and Weak interactions.
Mathematics	Plasma physics, Fluid Dynamics, Number Theory, Neutrosophic Sets and Logics, Fuzzy Mathematics, Topology, Mathematics Education.
Humanities and Social Sciences	Economics, Entrepreneurship Development

3. ELIGIBILITY CRITERIA FOR Ph.D. PROGRAMME:

For admission to the Ph.D. Program in Engineering Departments, a candidate must satisfy the following criteria:

(a) Master's degree in the relevant field of Engineering/Technology/Design/Science/ Humanities and Social Science, 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 wherever grading system is followed) or an equivalent degree from a foreign educational Institution accredited by an Assessment and Accreditation Agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country for the purpose of assessing, accrediting or assuring quality and standards of educational institutions

(b) A relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, for those belonging to SC/ST/OBC (non-creamy layer)/Differently-Abled and other categories of candidates as per the decision of the UGC from time to time, or for those who had obtained their Master's degree prior to 19th September, 1991.

4. RESERVATION POLICY: As per Institute rules.

5. SELECTION PROCESS

Ph.D. PROGRAMME

Applications of the candidates which are complete in all respects are considered valid. Selections for PhD programmes shall be based on the valid NET/GATE Score and performance of candidates in the personal interview conducted by the respective Department of the Institute.

6. HOW TO APPLY

ONLINE MODE ONLY: Candidates may fill out the application form through our online portal by visiting the website: **http://admission.cit.ac.in** or **https://admission.cit.ac.in/**. Before completing the submission of the Online Application Form, candidates are advised to go through the instructions carefully. Candidates need to print and retain a hard copy of the online application form for their reference.

7. APPLICATION & PROCESSING FEE (NON-REFUNDABLE)

The Application & processing Fee is given below-

Programme	Application Form Fee
Ph.D.	**Rs 1500/-(750/- for SC/ST/PWD)**

8. IMPORTANT INFORMATION

a. Candidates should not send any photocopy of the certificates except the certificate claiming the reservation category (Caste Certificate/PWD certificate) in case he/she belongs to any.

b. The candidate must select the correct option (wherever applicable) and mention the appropriate Code and Code name for the Region of Permanent Residence. The selection list will be prepared based on the region of Permanent Residence and in case the candidate intentionally or unintentionally chooses the wrong option, his/her seat may be forfeited during counseling.

9. DECLARATION OF RESULT

The results and selected list will be available on the Notice Board of the Institute and the Institute website. The candidates may also log on to CIT website: www.cit.ac.in to check their result.

10. FEE STRUCTURE

The summary of the fee structure for fresh admission into Ph.D. programs of the institute is as given below-

Programme	Category	Admission Fee	Hostel AdmissionFee	Mess Fee (for ONE semester)
PHD	GE/OBC	21500.00	11000.00	**12500.00**
	SC/ST/PWD	**19000.00**	**11000.00**	**12500.00**

N.B.: The institute reserves the right to review the fee structure from time to time. A detailed breakup of the fee structure can be obtained from the institute's website

Member Secretary
Admission Cell, CITK
Website: https://admission.cit.ac.in/