



# HALDIA INSTITUTE OF TECHNOLOGY

An Institute of **ICARE**

Pioneer in Technical Education (Estd.-1996). The First and Largest  
Self Financed Engineering Institute of West Bengal

**PROSPECTUS  
2020-2021**

Approved by **All India Council for  
Technical Education (AICTE)**

Affiliated to **Maulana Abul Kalam Azad  
University of Technology** (Formerly  
Known as West Bengal University of Technology)

**NAAC Accredited** Technology Institute with  
**'A' Grade (CGPA 3.31)**

**UG Programme (AEIE, BT, CE, CHE, CSE, ECE, EE,  
FT, IT, ME and PE) accredited by National Board of  
Accreditation (NBA)**



## **VISION**

To achieve Centre of Excellence in the field of Science, Technology and Management Education for creating dynamic human resources of global standards with capabilities of accepting new challenges.

## **MISSION**

- ☑ To impart quality and value based education to raise satisfaction level of all stake-holders.
- ☑ To create competent, creative professionals and great entrepreneurs who can work as individual or in group in multi-cultural global environments.
- ☑ To prepare citizens who would grow to be competent enough to contribute significantly with personal integrity and civic responsibility for the betterment of mankind throughout their careers and profession.





**Discover**  
**WORLD-CLASS**  
**EDUCATION**  
**OPPORTUNITIES**  
**at HALDIA**

#### **ANTI RAGGING**

Ragging is totally banned in Haldia Institute of Technology and anyone found guilty of ragging and/or abetting ragging is liable to be punished. As per latest Government policy guided by orders of Hon'ble Supreme Court of India, all students and parent/guardians are required to submit affidavits before a student is allowed registration in the Institute and hostel accommodation. The affidavits should be filled up and signed by the candidate and guardian to the effect that they are aware of the law and provision of ragging as well as the punishments, and that the student, if found guilty of the offence of ragging and/or abetting ragging is liable to be punished appropriately. All parents/guardians/students may download the same from the Institute website and get them duly attested by the Oath Commissioner and bring it on the day of students registration.

In case any student faces or witness any form of ragging he/she is advised to communicate immediately with the following members:

Anti Ragging Committee  
Chairman: PRINCIPAL  
Phone: 03224-252800  
Convener: Prof. Soumen Paul, Head, IT  
Phone No.: 9433966493

Anti Ragging Squad  
Chairman: Prof. Radharani Das  
Dean, School of Chemical,  
Food and Biotechnology  
Phone No.: 7908589931

Joint Conveners  
Prof. Siraj Datta  
Phone No.: 9474408858

Mr. Anjan Kundu,  
Phone No.: 9434236248

For further details, please visit: <http://www.hithaldia.in>

# FROM THE DESK OF **CHAIRMAN**



## **Dr. Lakshman Chandra Seth**

Chairman, Haldia Institute of Technology

I feel honoured and privileged to convey my best wishes to one and all that Haldia Institute of Technology is going to publish prospectus for the year 2020-2021. We all have come a long way to make the journey glorious by contributing in the true spirit of our motto through various outright and noble activities. Our Institute has made a positive contribution to bring solidity and progress in the arena of technology and management over the past twenty-five years and it has the potential for even greater accomplishments in the years ahead. The then it was extremely daunting task to establish an Engineering Institute with a private initiative and to run the same in abreast with reputed Government aided Engineering Institute, If I reminisce the same from the realm of oblivion. We have come a long

way in the process to prop up the magnanimity of institute with its current stature.

There is no yardstick to measure a society's growth other than making a qualitative assessment of its multidimensional activities. Education, being one of the most important areas of social activities which can be studied, analyzed and visualized to have a feeling about how a society has been performing. It is needless to mention here that in today's fast moving world, technical education has taken a large share of the entire education sector and all of us knowingly or unknowingly, are part of this system which is undergoing radical changes. We, at Haldia Institute of Technology, are making our earnest and humble attempt to cope up with this trend. Having started our journey in 1996, it has been our constant endeavor to upgrade, modify and improve upon our standards to match the country's need.

Our guiding principle is constant change, motivation and up-gradation, creating state-of-the-art knowledge infrastructure for our student, instilling in them the ability to learn so that they can face any challenge anywhere in the world. We sincerely feel that education should build character, sharpen the intellect and encourage free thinking. The idea is not to give the students just an assembly line degree but to sculpt the young minds into giants in knowledge with upright character and unwavering ethics, possessing a firm resolution to shape the future.

I am pretty sure that our students and their contributions have permeated over the globe and intangibly their performances are augmenting the brand value of HIT. I am grateful to all our patrons, well-wishers and guardians for what we are today. Your patronage, your support, your love, your criticism, your sympathy, your guidance and your selfless cooperation have made our dream come true-our institute has become an ideal center for learning. We are yet to travel a long way and I am sure that you will be with us in our journey to excellence.

# FROM THE DESK OF **DIRECTOR**



## **Prof.(Dr.) M.N. Bandyopadhyay**

Director, Haldia Institute of Technology  
Former Director, NIT, Kurukshetra & Former Director, NIT, Calicut  
Former mentor founder Director Of NIT, Uttarakhand  
Ex. HAG SCALE Professor of Electrical Engineering of NIT, Hamirpur  
Honorary Advisor of Lincoln University College, Malaysia.

It is my immense pleasure that Haldia Institute of Technology has completed its glorious journey of 24 years since inception by adding new feathers in its wings like A grade in NAAC with 3.31 CGPA, up-to-date NBA status of eleven B.Tech courses viz. Applied Electronics & Instrumentation Engineering, Biotechnology, Chemical Engineering, Civil Engineering, Computer Science & Engineering, Electrical Engineering, Electronics & Communication Engineering, Food Technology, Information Technology, Mechanical Engineering and Production Engineering. As

per Washington Accord today's accreditation by NBA, Govt. of India is outcome based and the main beneficiaries are the students. The Institute also offers 7 Post Graduate courses including MBA and MCA.

The Institute got the Autonomous status for 10 academic years i.e. from 2019-2020 to 2028-2029. It will help us to make the syllabi more industry oriented and conduct the exam and publication of result in time. Our aim is to get the status of University from UGC. From this academic year the Institute got the approval of 3 new B.Tech courses with 60 intake each. Courses are CSE [Cyber Security], CSE [Data Science] and CSE [Artificial Intelligence and Machine Learning]. In addition, approval of increase in intake in Information Technology [from 60 to 120] was also accorded by AICTE and State Government. This will help us to produce more buddies in the field of engineering and technology.

The Institute made MOU with NIT, Kurukshetra and NIT, Mizoram for academic development. Institute also made MOU with University of Naples Federico II, Italy and Lincoln University College, Malaysia.

Different departments of the institute organize international / national conference / seminar throughout the year where many eminent academicians are invited as Chief Guest.

Being situated in an industrial hub, the institute has the scope of more industry-institute interaction which helps the faculty members to make the students to study as per requirement of industry. As a result students will be more comfortable to face the campus interviews.

Creating a world class educational institution is a challenge by itself. It is connected with a host of initiatives, which get tested over an extended period of time. Today the society seeks a generation of young people who are not only enlightened but also trained to think innovatively. They are expected to meet tough challenges and create opportunities in unconventional areas in a very short span with unprecedented success. It is my firm belief that obstacles do not deter success, rather they enhance one's possibilities to succeed. With whole hearted support from everyone, Haldia Institute of Technology, the first private engineering institute of West Bengal, will achieve its goal very soon and establish itself as one of the leading institutions of our country.

I welcome the newly admitted students to the portal of this great educational institution and wish them a memorable, meaningful and rewarding tenure.

# FROM THE DESK OF **PRINCIPAL**



**Prof.(Dr.) A. K. Saha**

Principal

It's a pleasure to welcome you to Haldia Institute of Technology (HIT), a place of learning with joy. HIT is the first self-financing institute located in the most prosperous industrial hub in the state of West Bengal. It started its journey in the year 1996 with only three departments. Over the years it has grown up and become an Autonomous Institute from the academic year 2019-20. Presently, it is running thirteen Under Graduate and five Post Graduate Programmes in Engineering/Technology, in addition to MBA and MCA Programmes. It is now a well-established Institute beautifully sprawling over 37-acre lush green lands having all the modern facilities that an ideal academic institution should have.

The facilities and infrastructure of the institute is amongst the best in the country. It provides an optimum mix of theory and practice, with strong bias on industrial and managerial applications. A team of dedicated members of faculty with excellent academic background, trained in premier universities and institutions, is the asset of this Institute.

The HIT student learns subjects across departmental boundaries and excels in extracurricular activities. The mix of technology and management skills that an HITian possesses makes him an invaluable asset to any organization he works. The students of this institute are occupying enviable positions in various organisations at home and abroad. Many of them have been the driving force behind the industrial landscape of our nation.

The Institute has earned fame not only for its excellent academic and extracurricular activities but also for its research, consultancy and development activities. From the beginning it has been doing research in the frontier areas and successfully completed projects of different renowned organizations like DST, DBT, AICTE, CSIR, UGC, etc. Moreover, all along the years, it is also organizing Seminars and Workshops of National and International standards for updating and sharing its knowledge with the globe.

All the UG programmes it was running for more than five years got accredited by NBA. Apart from this, the Institute has also been re-accredited by NAAC in 2nd Cycle with "A" Grade having CGPA 3.3 1. The Institute was also a recipient of TEQIP Phase-I, a world bank funded initiative of MHRD, Government of India, for enhancing teaching and learning quality of the Institute. The institute also included under Section 2(f) and 12(B) of UGC Act.

I look forward to seeing you enjoy your studies here and your dream fulfilled.

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# BOARD OF GOVERNORS

Name of Members	Designation	Category	Nature
<b>Dr. Lakshman Chandra Seth</b>	Chairman	Management	Chairman of the Society (ICARE)
<b>Sri Sayantan Seth</b>	Vice Chairman	Management	Nominee of Society
<b>Sri Asish Lahiri</b>	Secretary	Management	Nominee of Society
<b>Sri Sudipton Seth</b>	Member	Management	Nominee of Society
<b>Smt. Susmita Sahoo Seth</b>	Member	Management	Nominee of Society
<b>Mrs. Sparsita Panda Seth</b>	Member	Management	Nominee of Society
<b>Prof. Asit Baran Maity</b>	Member	Teachers of the college	Nominated by the Principal based on seniority by rotation
<b>Prof. Tarun Kanti Jana</b>	Member	Teacher of the college	
<b>Prof. B. B. Paira</b>	Member	Educationist	Nominated by the Management
<b>Dr. D. K. Saikia,</b> Dept. of Computer Science & Engineering, Tezpur University	Member	UGC Nominee	Nominated by UGC
<b>Director of Technical Education,</b> Govt. of West Bengal or his Nominee	Member	State Government Nominee	Academician not below the rank of Professor or State Government official of Directorate of Higher Education/ State council of Higher Education
<b>Prof. Utpal Roy Chowdhury</b>	Member	University Nominee	Nominated by the University
<b>Prof. Asit Kumar Saha</b>	Member	Principal of the college	Ex-Officio

## INVITEE MEMBERS IN GOVERNING BODY

**Dr. Arunabha Mishra, Associate Professor** [Chemistry], Dept. of Chemistry, Vidyasagar College [Day], Kolkata – 700 006.

**Sri Subhas Roy**, Financial Advisor, Haldia Institute of Technology

**Prof. M. N. Bandyopadhyay**, Director, Haldia Institute of Technology

**Dr. Anjan Mishra**, Registrar, Haldia Institute of Technology

**Sri Sudipta Kumar Basu**, Finance Manager, Haldia Institute of Technology

# ADMINISTRATIVE OFFICERS

Name	Designation
<b>Prof. (Dr.) Manabendra Nath Bandyopadhyay</b>	Director
<b>Prof. (Dr.) Asit Kumar Saha</b>	Principal
<b>Dr. Anjan Mishra</b>	Registrar
<b>Sri Sudipta Kumar Basu</b>	Finance Manager
<b>Prof. (Dr.) Partha Pratim Das</b>	Controller of Examinations
<b>Sri Susmit Maity</b>	Assoc. Professor [IT] and Incharge, Training & Placement
<b>Sri Debadatta Ghosh</b>	Assoc. Professor [AEIE] and In-charge, IIPC
<b>Sri Bhaskar Maitra</b>	System Manager
<b>Dr. Debasis Das</b>	Manager-Administration
<b>Sri Rabi Sankar Chattopadhyay</b>	Librarian
<b>Sri Dipankar Goswami</b>	Corporate Relations Officer
<b>Dr. Soma Mishra</b>	Asst. Professor & Dy. Controller of Examinations
<b>Ms. Mandira Chakraborty</b>	Students Counselor
<b>Sri Sourav Dey</b>	Training & Placement Officer
<b>Sri Anjan Kumar Kundu</b>	Students Welfare Officer
<b>Ms. Madhumita Batul</b>	Sports Officer
<b>Sri Tapas Kumar Jana</b>	Estate Officer
<b>Sri Anup Kumar Panja</b>	Dy. Registrar
<b>Mrs. Suryatapa Panda</b>	Administrative Officer
<b>Sri Subhas Chandra Das</b>	Programme Officer
<b>Sri Anupam Maity</b>	System Engineer
<b>Sri Bani Prasad Bhattacharjya</b>	Accounts Officer
<b>Sri Ananda Bahadur Chhetri</b>	Security Officer
<b>Dr. (Mrs.) Sonali Bera</b>	Medical Officer (Homeo)
<b>Dr. Shrikumar Panda</b>	Medical Officer (Homeo)
<b>Ms. Sanchita Dey</b>	Personal Secretary to Director
<b>Sri Bappaditya Maiti</b>	Dy. Training & Placement Officer
<b>Ms. Shrabanti Pramanik</b>	Dy. Training & Placement Officer
<b>Mrs. Saheli Chakraborty [Bhattacharjee]</b>	Dy. Corporate Relations Officer
<b>Mrs. Moumita Pari Giri</b>	Dy. Librarian
<b>Mrs. Shyamali Kuila [Maiti]</b>	Asst. Librarian
<b>Smt. Mahuya Dass</b>	Asst. Librarian
<b>Ms Kekarani Maity (Das)</b>	Asst. Librarian
<b>Minuyara Khatun</b>	Asst. Librarian
<b>Sk. Abu-Raihan Abdullah</b>	Asst. Information Officer [Central Library]
<b>Sri Pinaki Sengupta</b>	Asst. Administrative Officer
<b>Mrs. Rudrakshi Nikwan Manna</b>	Asst. Control. Of Examinations
<b>Sri Sukumar Maity</b>	Asst. Controller of Examinations
<b>Ms. Sulekha Sinha</b>	PS to Principal
<b>Sri Asish Kumar Boyal</b>	Asst. Store Officer
<b>Sk. Aminul Islam</b>	Asst. Student Welfare Officer
<b>Md. Jalal Khan</b>	Asst. Training & Placement Officer
<b>Sri Mainak Chakraborty</b>	Asst. Training & Placement Officer

# HEADS OF THE **ACADEMIC DEPARTMENTS**

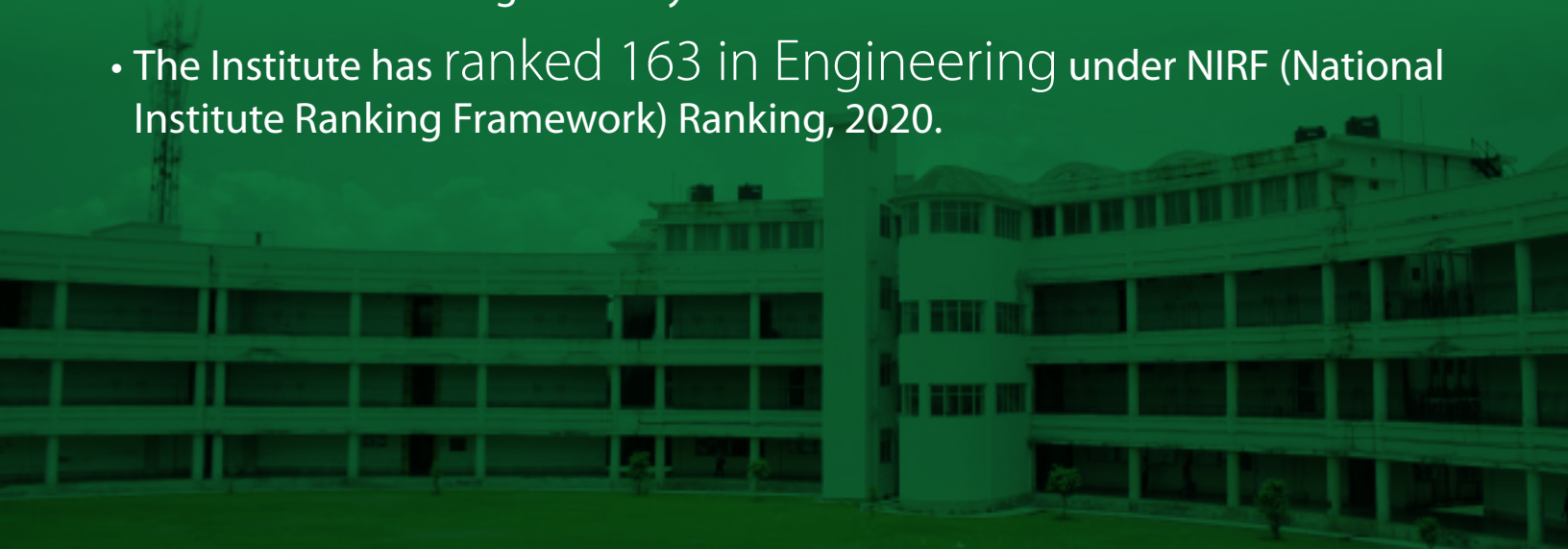
Department	Name of the Heads of the Departments
<b>Applied Electronics &amp; Instrumentation Engineering</b>	Dr. Uday Maji
<b>Applied Science &amp; Humanities</b>	Prof. (Dr.) Dipak Kumar Jana
<b>Biotechnology</b>	Prof. (Dr.) Suvroma Gupta
<b>Chemical Engineering</b>	Prof. (Dr.) Tapas Kumar Manna
<b>Civil Engineering</b>	Prof. (Dr.) A. K Guha
<b>Computer Science &amp; Engineering</b>	Prof. (Dr.) Subhankar Joardar
<b>Computer Applications</b>	Sri Apratim Mitra
<b>Electronics &amp; Communication Engineering</b>	Prof. (Dr.) Chanchal Kumar De
<b>Electrical Engineering</b>	Prof. (Dr.) Dilip Kumar Dey
<b>Food Technology</b>	Prof. Dr.) S. Das
<b>Information Technology</b>	Prof. (Dr.) Soumen Paul
<b>Mechanical Engineering</b>	Prof. (Dr.) Goutam Kumar Bose
<b>Management &amp; Social Science</b>	Prof. (Dr.) Indranil Bandyopadhyay
<b>Production Engineering</b>	Prof. (Dr.) Bikash Bepari
<b>Instrumentation and Control Engineering</b>	Dr. Sudipta Bardhan

## **DEANS OF SCHOOLS**

Name	Designation
<b>Prof. (Dr.) Asit Baran Maity</b>	Dean-School of Applied Science & Humanities
<b>Prof. (Dr.) Tarun Kanti Jana</b>	Dean, School of Engineering
<b>Prof. (Dr.) Radharani Das</b>	Dean, School of Chemical, Food and Biotechnology
<b>Prof. (Dr.) Bikash Bepari</b>	Dean, Students Welfare

# INSTITUTE AT A **GLANCE**

- The Institute has been conferred upon **AUTONOMOUS STATUS** by the UGC for the period of 10 (ten) years from 2019-2020 to 2028-2029, vide Memo No. F.22-1/2017(AC) dated 05-08-2019, and subsequently Order has been issued by the Affiliating University, Maulana Abul Kalam Azad University of Technology (MAKAUT), West Bengal.
- The Undergraduate programs in AEIE, BT, CHE, CE, CSE, ECE, EE, FT, IT, PE and ME of the Institute are accredited by National Board of Accreditation (NBA).
- The Institute accredited by NAAC for 5 years from 16.09.2016 with 'A' Grade [CGPA-3.31 out of 4] [2nd Cycle].
- The Institute was selected as the "Mentor Institute" for the Institutions which are near to our geographic vicinity by the NAAC as intimated vide Letter dated 10.09.2018, bearing F. No. 13-20/DS/2018.
- The Institute has been selected and recognized as the 'Host Institute' for implementation of the scheme "Support for Entrepreneurial and Managerial Development of MSMEs through Incubator".
- The Institute is ISO certified for "Quality Management System" and "Environment Management System".
- The Institute has ranked 163 in Engineering under NIRF (National Institute Ranking Framework) Ranking, 2020.

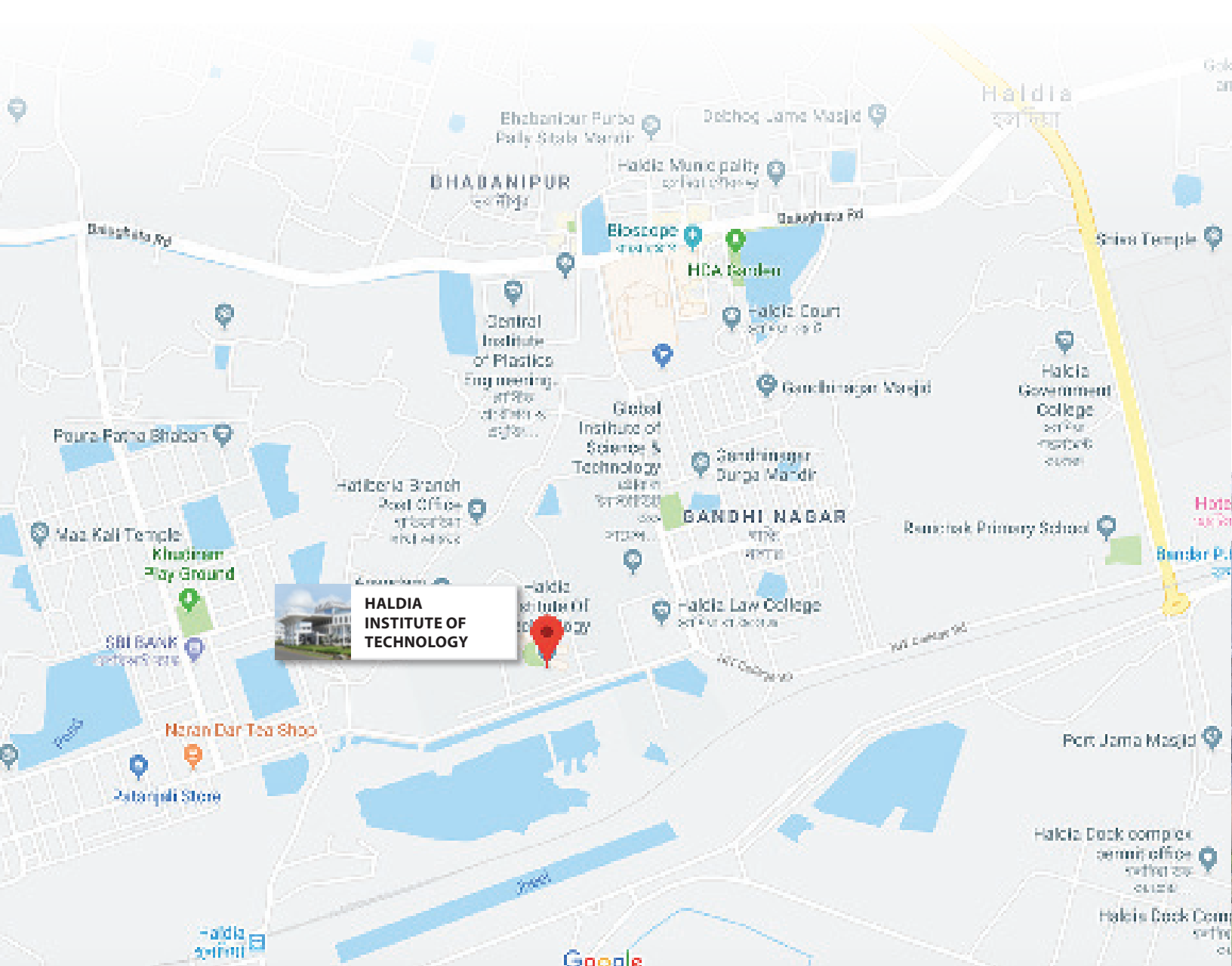


# LOCATIONAL ADVANTAGES

The Institute is located at the heart of industrial city Haldia, a major Indian port and nerve centre of industrial and trade activities in and through Eastern India. Approximately 125 km from Kolkata and in close proximity to NH-41; Haldia Institute of Technology is strategically located at the heart of the port city Haldia – the busiest industrial hub of Eastern India.

The city is the industrial home of manufacturing industrial giants such as Indian Oil Corporation Ltd., Adani Wilmar Ltd., Hindustan Unilever Ltd., Haldia Petrochemicals Ltd., Exide Industries, Mitshubishi Chemical Corporaiton, Tata Chemicals, IVL Dhunseri Petrochem Industries Private Ltd., Electrosteel Castings Ltd., Tata Steel Ltd., Indian Oil PETRONAS Pvt Ltd., Hiranmaye Energy Ltd., Haldia Dock Complex and many more.

The Institute is well connected to Kolkata and Kharagpur by Railways and National Highways.



# ARYABHATTA CENTRAL LIBRARY

The library occupies a unique place in academic and research activities of the Institute. It is perhaps the most important central facility of our campus. It is housed in a separate spacious three-storied building on the southern side of the main building with a floor space of 4402 sqm. The six reading halls which can accommodate a total of 300 students provide the peaceful and friendly atmosphere for absorbing knowledge available through books, journals, magazines and newspapers. It extends its services beyond the physical walls of a building, by including materials accessible by electronic means and by developing a modern e-resource library with a variety of digital tools.

Library keeps open from 10:00 am to 8:00 pm on regular week days (Monday to Friday), Saturday & Sunday from 10:00 am to 5:00 pm. It has a total collection of 112233 general books, Book bank books, and books from TEQIP of the World Bank Fund. It subscribes 156 print journals, 10 databases of e-resource journals i.e. Science direct, J-GATE (Engineering), J-GATE(Management), IEEE, ProQuest (Management), ASTM, ASCE, Springer, McGraw-Hill covering about 21017 e-journals to support research activities of our Institute. In addition databases

of PROQUEST and McGraw-Hill facilitates access to 39232 eBooks on wide variety of disciplines are also available. Full video course lectures of NPTEL (An Initiation of IIT and IISc.) are also added in the library to help students to download such materials for study and learning. Besides, the library also subscribes 10 English, Bengali and Hindi News Papers and 10 Magazines.

Our Institute also provides Book Bank scheme allowing each student to borrow 5/6 text books for the entire semester. Students belonging to SC/ST/OBC categories are also entitled to issue extra books from TEQIP-TDP section funded by the World Bank.

Library has started functioning its digital library services. The faculty members and students can access its resources i.e. eBooks, LR, video lectures, question papers, GATE papers, languages learning etc.

The library is fully automated with LIBSYS (6.3 windows version) software and its web based online Public access catalogue (OPAC) to view the library catalogue from anywhere in campus LAN. Students can check their library account at any point of time.

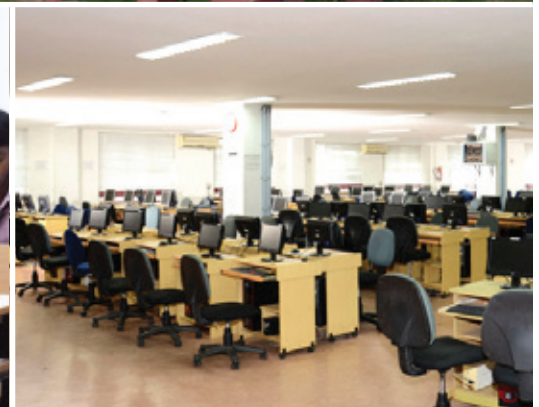


# CAMPUS FACILITIES AT A GLANCE



- ✓ The Institute is an enclave campus of **37 acres of land** having an Administrative Block of 6118 square meters and **9 Academic Blocks** having an area of around 27518 square meters, residential area of around 8289 square meters and hostel area of 40655 square meters.
- ✓ **Separate Hostel facility is available for boys and girls.** There are 9 Boys' hostels and 4 Girls' hostels for UG and PG students.
- ✓ The campus has amenities and circulation area of 37000 square meters. It has **Restaurant, Open-Air Cafeteria, Departmental Store, Pharmacy, Bank with ATM Kiosk, Laundry, Saloon, Post Office, Book Store** and **Reprographic Section.**

- ✓ The campus is equipped with its own **Electrical Sub-station** having a capacity of 850 KVA. Emergency power supply is available through the Institute's own DG power supply of 425 KVA.
- ✓ **Dedicated Training and Placement Sections** at HIT Campus, Kolkata and Bangaluru.
- ✓ State-of-the-art **Central Computing Facility** (CCF) Lab.
- ✓ Well-equipped engineering **Workshops** and state-of-the-art **Laboratories.**
- ✓ Campus wide **Wi-Fi** facilities for all through 100 Mbps high speed leased line are available for 24 hours. It includes students' hostels, faculty and staff quarters.



- ☑ The Institute has an **international sized playground** with all amenities of Football, Cricket and Basketball.
- ☑ Modern **multi-facility Gymnasium** is housed for the regular physical exercises.
- ☑ **Classrooms are at par with modern standards** and provided with multimedia projection facilities, video conferencing, and other infrastructure of modern, upgraded teaching-learning process.
- ☑ The Institute has a fully decorated and equipped **Convention Centre** with a capacity of 500 people to conduct seminar, workshops etc.
- ☑ **Central Workshop Facilities** for designing research equipment.

- ☑ The Institute is proud of **Aryabhata Central Library** (4402 sq. m area) that has rich collection of book titles, journal, e-journals, educational CDs, and class lectures for backup learning. The Library also subscribes English, Bengali, Hindi newspapers and magazines. It accommodates a reading room with a capacity for 300 students.
- ☑ The **Medical Centre** is having Residential Medical Officer with round the clock Ambulance facility.
- ☑ **Full time Student Counsellors are there to help students** in the areas of personal/social development and career development, some of the key features to achieve academic and professional excellence in today's competitive world.

# ACADEMIC PROGRAMME

The Institution established in the year 1996 with the objectives of creating highly professional manpower in various discipline of engineering and technology keeping in minds the rapid industrial development of the whole country in the context of present liberalized and globalized environment.



\*Besides, the Institute has been also approved by AICTE for admission of students under PIO/FN/Gulf Quota/OCI for academic year 2019-20 for all the UG Courses (15% of approved Intake). Lateral Entry: 10% of approved intake for admission in 2nd year 3rd sem. of B. Tech Courses

## UG COURSES

- Applied Electronics & Instrumentation Engineering (60)
- Biotechnology (60)
- Chemical Engineering (120)
- Civil Engineering (120)
- Computer Science & Engineering (180)
- Computer Science & Engineering (Cyber security) (60)
- Computer Science & Engineering (Data Science) (60)
- Computer Science & Engineering (Artificial Intelligence & Machine Learning) (60)
- Electronics & Communication Engineering (180)
- Electrical Engineering (120)
- Food Technology (60)
- Information Technology (60)
- Mechanical Engineering (180)

## PG COURSES

- M. Tech in Biotechnology (9)
- M. Tech in Chemical Engineering (9)
- M. Tech in Computer Science & Engineering (18)
- M. Tech in Electronics & Communication Engineering (18)
- M. Tech in Mechanical Engineering (18)
- Master of Business Administration (60)
- Master of Computer Application (60)

# ACTIVITIES OF TRAINING & PLACEMENT CELL

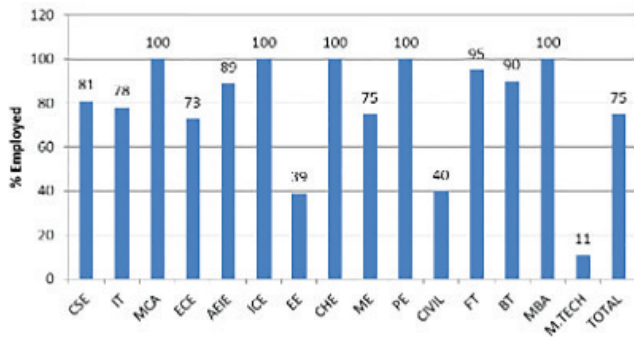
## PLACEMENT RECORD

Year	No. Of Eligible students	No. Of Company Visited	Students Placed (%)
2017-18	853	137	75
2018-19	866	145	89
2019-20	824	102	80

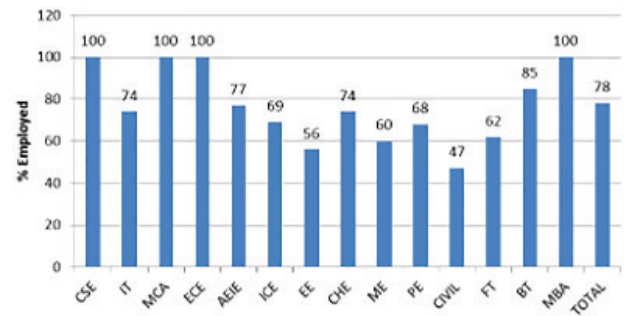
## OUR MAJOR RECRUITERS



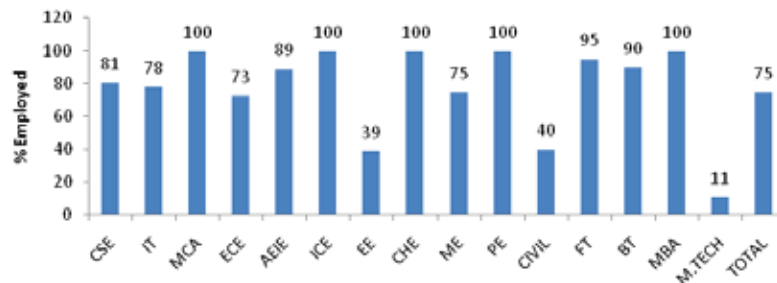
# PLACEMENT STATUS



Placement status 2017-18



Placement status 2018-19



Placement status 2019-20

**Vocational Training:** The Training & Placement Cell organizes vocational training for all pre final year students at different industries and corporate. This enhances the first exposure of students to the corporate world. Those Major companies who provide summer training opportunities to our students are IOCL, HDC, HPL, Exide, TATA Steel, TATA Power, TATA Chemicals, TATA Motors, UPL, MCCPTI, ESCL, IOPL, Adani Group, Aegis Logistics, Praxair, Petro Carbon, Burn Standard, GPT, Dee Power, SAIL, NTPC, WBPDC, BSNL, DCPL, HCL, DPL, Chittaranjan Locomotive, PWD, GPT etc..

**Soft Skill Development:** The cell invites different soft skill experts to conduct soft skill development courses for the students of the Institute to improve their employability skills. The cell also conducts special grooming and preparatory classes directly through workshops, aptitude tests, mock interviews, group discussions.

**Industry-students interaction:** The Training and Placement Cell initiates different seminar conducted by industry-eminent personnel. Through this interactive session, students are being benefited by new up-coming ideas in industry.

**Placement:** The cell has excellent track records for providing opportunities to the students for employments. The Cell also maintains liaison with various industries and corporate establishments for placements of the students. Every year new industries are always appended to the list. Feedbacks are obtained from the employers on regular basis which helps the present students to enhance their strike rate during interview process.

**Industry Visits:** The Training and Placement Cell also takes care of direct industry oriented experience of the students by arranging Industry Visits in different industries like TATA Power, Haldia Energy Ltd, United Phosphorus Ltd. Haldia Petrochemicals etc.

**Counselling:** The cell extend personal and group counselling to students in career selection and motivation. Personal care is taken to attain every individual's problems.

# FREQUENT RECRUITERS

The following companies have provided their kind patronage for the placement drives for 2019 batch of this Institute, as mentioned discipline-wise

<b>CSE/IT</b>	Wipro, Infosys, Tech Mahindra, IBM, TCS, CTS, Ericsson, Global Logic, L&T Infotech, Abzooba, Mindtree, Paramatrix Technologies, Amazon, Paytm, Kreeti Technologies, Labvantage, Arodek, Kovair Software, Paytm, Juspay, APT Software, Calsoft, Pratian Technologies, Innofied Solutions, Delgence, HTL Co Pvt. Ltd., Code Clouds, Extramarks Education, Atlas Healthcare, Regalix, Poornam Info Vision Pvt. Ltd., Paragyte Technologies, EPAM Systems, Byju's, Vyrazu, Yodlee, Zensar, ThoughtClan Technologies, Aponiar, Mphasis, Just Dial, Patel Information Technology, Omics International.
<b>ECE</b>	Wipro, Infosys, Tech Mahindra, TCS, CTS, IBM, Ericsson, Pratian Technologies, Abzooba, Kreeti Technologies, ThoughtClan Technologies, Yulu Bikes, Amaziah Software, Abzooba, Paramatrix Technologies, Aponiar, Kovair, Code Clouds, Hitech Mobiles, Indo Japan Horologicals Ltd, Juspay, Paytm, Prime Focus Technologies, Amazon, Labvantage, Arodek, Delgence, Extramarks Education, AGS Transact Technologies, Atlas Healthcare, Calspinne Technologies, Regalix, Poornam Info Vision Pvt. Ltd., Paragyte Technologies, Bengal Speech & Hearing, Vastu Vihar, Just Dial, Byju's, Omics International.
<b>CHE</b>	Haldia Petrochemicals Ltd, SHV Energy, Berger Paints, Adani Wilmar, Sanmar, Linde India, Praxair India Ltd., MCPI, Nuvoco, Thermax, Jindal Steel, Hindustan Aegis, Emami Agrotech, Emami Cement, Topcem Cement, Wacker Metroak Chemicals, GTZ Chemicals, Shantha Biotech, IML Dhunseri Petrochemicals, Chemtex Speciality, Hills Cement, Virchow Biotech, Hindcon Chemicals, Krishna Tissues, IMC logistics, AIMIL, IR Chemicals, Carbon Resources, Aparna Carbon, Ishika Fertilizers, Shyam Group, Diach Chemicals, Almal Group, ASG Biochem, Wipro, Infosys, Tech Mahindra, TCS, Kreeti Technologies, Omics International, Oriental Nicco, Minchi University, Extramarks Education, Regalix, Byju's, Vama Foods, ARCL Organics, GKW, Vastu Vihar, Black Burn & Co., Echo Gases, Ecolab Food Safety & Hygiene Ltd, Just Dial.
<b>BT</b>	Shantha Biotech, Virchow Biotech, Nestle, Zifo R&D Solution, Omics International, Chromous Biotech, Infosys, Wipro, TCS, Amazon, Shri Ram Transport, RTS, Labvantage, Extramarks Education, HGS Technologies, Sri Ganesh Biotech, Unique Biotech, Regalix, Byju's. EFRAC, Absas Solution, Pan Seeds, Diatek Healthcare, Just Dial.
<b>PE</b>	SHV Energy, IMC Logistics, Asahi Glass, Ajanta Shoes, Wipro, Infosys, TCS, Kreeti Technologies, Jubilant Food works, Shri Ram Transport, Omics International, Extramarks Education, Makersloft, Regalix, Air Control & Chemical, CDE asia Ltd., KR steel Union, Praxair, Byju's, Apparel Group, Krishna Tissues, Just Dial, Black Burn & Co.
<b>ME</b>	SHV Energy, Haldia Petrochemicals Ltd, Linde India, Voith Paper, Sanmar Group, TM International Logistics, Adani Gas, Thermax, Cummins India, GTZ Chemicals, CDE Asia, Bengal Energy Ltd., Bengal Tools, Paharpur Cooling, Topcem Cement, Pinnacle, Asahi Glass, Simplex Infrastructure, IMC Logistics, Vedula Engineering, Oriental Nicco, Omics International, Exide Industries, Unimark International, Goyal Group, Wipro, Infosys, TCS, CTS, Pratian Technologies, Minchi University. Extramarks Education, Chemtex Speciality, Air Control & Chemical Engineering, Regalix, Rhino Road Equipments, Eaton, KSE Electricals, Shyam Group, Eleation Academy, Vastu Vihar, Byju's, Just Dial, JCC India, Echo Gases, Eagle Burgmann.

<b>AEIE</b>	PCBL, Johnson Controls, Yokogawa, IMC Ltd., Adani Wilmar, Adani Gas, Praxair, Haldia Petrochemicals Ltd, Voith Paper, Linde India, Topcem Cement, Bengal Tools, Bengal Energy, Pratian Technologies, Hitech Mobiles, Nextgen Printers, CS Automation, Industrial Handling, Indo Japan Horologicals, Innovius Research, Omics International, Jubilant Foodworks, Wipro, Infosys, TCS, CTS, IBM, Tech Mahindra, Kreeti Technologies, Extramarks Education, Byju's, Bengal Speech & Hearing, Regalix, CDE Asia, Vastu Vihar, SI Surgical, Electronic Equipment, Just Dial.
<b>ICE</b>	PCBL, Johnson Controls, Yokogawa, Linde India, Praxair, Adani Wilmar, Adani Gas, Bengal Energy, Bengal Tools, Bengal Speech & Hearing, IMC Ltd., Topcem Cement, Dhampur Sugar Mills Ltd., Regalix, Hitech Mobiles, Nextgen Printers, CS Automation, Industrial Handling, Indo Japan Horologicals, Innovius Research, Omics International, Jubilant Foodworks, Wipro, Infosys, TCS, CTS, IBM, Tech Mahindra, Kreeti Technologies, Pratian Technologies, Extramarks Education, Vastu Vihar, Electronic Equipment, Just Dial.
<b>EE</b>	Linde India, Adani Wilmar, Adani Gas, SHV Energy, Pinnacle, Haldia Petrochemicals Ltd, Manikaran Power, Topcem Cement, IMC Logistics, Bengal Tools, Bengal Energy, Oriental Nicco, Ajanta Shoes, Voltas, Indo Japan Horologicals Ltd, Wipro, Infosys, TCS, CTS, IBM, JBS Enterprise Pvt. Ltd., Extramarks Education, Regalix, Industrial Handling, Shyam Group, KR Steel Union, Simplex, Byju's, Apparel Group, Shrachi Group, KR Steel Union, Johnson Lifts, GKW, RTS, Just Dial, RSM Projects, Tulsi Weigh, Aponiar, JCC India, DeePower.
<b>CE</b>	Simplex Infrastructure, SHV Energy, Haldia Petrochemicals, Pinnacle, Paharpur Cooling, Nu Calcutta Construction, IMC Logistics, CE Testing, Oriental Nicco, Unique Construction, Manikaran Power, GDCL, SPD Construction, Dynamic Projects, Premco, Infosys, Wipro, TCS, Hindcon Chemicals, Ideal Group, Extramarks Education, Adhunik Infrastructure, Cyber Swift, BPC India, Infosys, Absas Solutions, Bygging India, Rashmi Group, M N Consultant, GKW, Ghose Bose & Associates, BPC india, Bose Engineers, Dynamic Projects, Byju's, Eleation Academy, Regalix, BVEPL, JCC India, Omics International, Just Dial.
<b>FT</b>	Adani Wilmar, ITC Foods, Bengal Beverages, Nestle, Varun Beverages, CG Foods, Keverter Agro, EFRAC, Bisk Farm, Omics International, Shree Kishan Foods, Jubilant Foodworks, Nobisco Biscuits. Vimta Lab, Extramarks Education, Regalix, Infosys, Wipro, TCS, Zifo R&D, Geo Neutri Foods, Balaji Agro., Just Dial.
<b>MBA</b>	Manikaran Power, Bengal Beverages, Nestle, Regalix, NJ India, Keverter Agro., Infosys, Just Dial, Vodafone, Vishal Mega Mart, Cocubes, Destimoney Securities, Berger Paints, Apparel Group, NTC Industries Ltd., Extramarks Education, Byju's, Varun Beverages, GKW, Bajaj Capital, Apollo Hospital, Bandhan Bank, Vyrazu Labs, Omics International, Ramky Group, Merlin Group.
<b>MCA</b>	Infosys, Amazon, Kreeti Technologies, Delgence, APT Software, Eclipse Techno Consulting, Atlas Healthcare, Arodek, HTL Co. Pvt. Ltd., EBIW info Analytics Global Technologies, Innoraft Solutions, Datapro Computers, Byju's, Kovair Technologies, Sascon, Vyrazu Labs, iPleaders, Webgriity, RPS Solutions, Efflorescence Technologies, SGS Global, ANM News, GKW, Extramarks Education, Axis Bank, Patel Information Technology, ANM News, Regalix, Snap Technology, Vision Technology.

# PRESENT INDUSTRY INSTITUTE COLLABORATIONS

Collaboration Type	Organization	Objective
MOU	Kreeti Technologies Pvt. Ltd.	Mock Tests for grooming final year students
MOU	Infosys	Campus Connect Program
MOU	BCC&I , Kolkata	<b>Industry-Institute Partnership</b>
MOU	EDUSPARK International pvt ltd	Joint research activities
MOU	Tata Steel Ltd.	Manpower Development
MOU	COTECNA Inspection	Skill development and outcome based training
MOU	FICCI Research & Analysis Centre	Skill development and outcome based training
MOU	Keventer Agro Ltd.	Skill development and outcome based training
MOU	N.D.International	Skill development and outcome based training
Engagement	FASSAI	Food Safety and nutrition
MOU	CII	Industry Institute Partnership
MOU	Ming Chi University,TAIWAN	
MOU	CIPET,India	
MOU	University of Naples,ITALY	
MOU	NIT, Kurukshetra	
MOU	NIT, Mizoram	



# INDUSTRY UPDATING EVENTS

The Training & Placement Cell in collaboration with Institute Industry Partnership Cell (IIPC) proposes to organize HR meet at regular intervals to update students according to the industry need. The cell also organizes company visits and summer training to companies like Adani Wilmar, Frito Lay (PepsiCo), VAMA foods, IOCL, Mitsubishi Chemicals, Bisk farm and many other reputed core and IT companies to bridge the gap between industry and academics. Initiatives from the Training & Placement cell are taken to make the students familiar with industry trends right from day 1 itself wherein HRs of various reputed companies address our students in Fresher welcome ceremony. We also invite experts from industry to help our students in designing their CVs, technical up gradation, mock interviews, online aptitude & technical test and personality development too.



# ALUMNI ASSOCIATION

*We are not infant now...*

*Already we crossed a period of Twenty years...*

*Let's look back to our childhood and recap those golden memories...*

Haldia Institute of Technology (HIT) has helped shape the destiny of many thousands of students. In doing so, the Institute has continued its march towards excellence, and included people of every kind and all the work of life in its stride. Students have come and gone but the character of HIT has been that of a healthy, influential expansion over the years in Eastern region of our country. Dedication of our faculties and staff, who have stayed for many years, have advanced the Institute's vision through selfless services that have established a tradition of quality academic, cultural and sporting activities. In the 21st century, integration within a community or region is no longer adequate as globalization, dilemma within our civilization and progress, broader and primary issues like environment and sustainability are posing as new challenges to educational Institutes across the board, particularly to self-financed engineering institutions. Alumni-reunion is a platform that offers an opportunity for the current students to get acquainted with this crisis, and enrich themselves with unique perspectives to convert the crisis into an opportunity for growth as individuals and as professionals. It is an important avenue to prepare network with the corporate world, and shape a better future. Under these circumstances, HIT is pleased to rejuvenate to organize an event – "RETRACE 2019" on **22nd December'2019** at the beautiful campus of the institute.

## VISSION

Connect. Engage. Succeed. Celebrate.

## MISSION

The mission of Alumni Relations is to inform, engage and inspire alumni to stay connected to their alma mater, support its vision and contribute to its success. The prima facie objective of the alumni association therefore is to create an effective platform of interaction with and contribution to the alumni, teachers, students, and of course to the Institute as a whole.

## OBJECTIVES

To maintain an up-to-date and comprehensive database of HIT alumni.

To identify and promote alumni success and achievements to advance the credibility and reputation of the Institute.

To maintain, deepen and strengthen an enduring lifelong relationship between alumni and their alma mater through opportunities that promote interaction and engagement with all its stake holders.

To maintain an alumni liaison programme that will encourage alumni to identify themselves with the Institute; to generate and sustain interest and participation in the Institute; to inspire alumni to contribute to the development of the Institute and the promotion of its good name and reputation, locally and internationally.

To keep alumni informed and connected through a

## SOME OF OUR DISTINGUISHED ALUMNI AROUND THE WORLD

**Dr. Romit Roy Choudhury**, Associate Professor, Dept. of Computer Science, University of Illinois [Batch of 2000,CSE]

**Mr. Santosh Singh**, Regional Account Manager at "Hewlett Packard Asia Pacific Pte Ltd"[Batch of 2000,CSE]

**Mr. Pravas Bandhu Chakraborty**, MD, Mendine Pharmaceuticals Pvt. Ltd.[2000 batch, CHE]

**Dr. Sumanta Basu**, Associate Professor, IIM, Joka, [ 2000 batch, CHE]

**Mr. Ritwik Nanda**, Advisory Consultant (Lenevo), North Carolina Area.[2000 batch, CHE]

**Dr. Debi Prosad Dogra**, Assistant Professor, IIT Bhubaneswar [Batch of 2001,CSE]

**Dr. Animesh Mukherjee**, Dept. of Computer Science &Engineering, IIT Kharagpur [Batch of 2003,CSE]

**Mr. Soumen Kumar Patra**, Assistant Engineer, Ministry of Defense, Govt. of INDIA [Batch of 2004,CSE]

**Mr. Manas Kumar Kalsa**, Manager, Cognizant Technology Solutions [Batch of 2003,CSE]



comprehensive communication and social media programme that inspires commitment to and confidence in the Institute.

To support an effective advancement programme through collaboration and cooperation with all entities in the advancement of the broader community.

On the occasion of the reunion, a huge number of alumni returned to their beloved campus for reunion. The momentous event included

introduction of two awards to encourage our current students towards greater heights of success.

- a. Academic Excellence Award
- b. Best Sports' Personality Award

**Mr. Kaushik Kandar**, Operation Head, Bharti Airtel Ltd. [Batch of 2003, ECE]

**Mr. Aritra Das, Director**, Das Organisation Ltd., London, UK [Batch of 2004, EIE]

**Dr. Saurabh Sarkar**, Assistant Vice-president, JP Morgan Chase [Batch of 2005, PE]

**Mr. Animesh Choudhury**, IAS, Ministry of External Affairs, Govt. of INDIA [Batch 2010, CSE]

**Mr. Anil Kumar**, IPS, Govt. of INDIA [Batch of 2010, ICE]

**Dr. Indrani Kar**, Assistant professor, Dept. of Electrical Engineering, IIT Guahati. [Batch 2000, EIE]

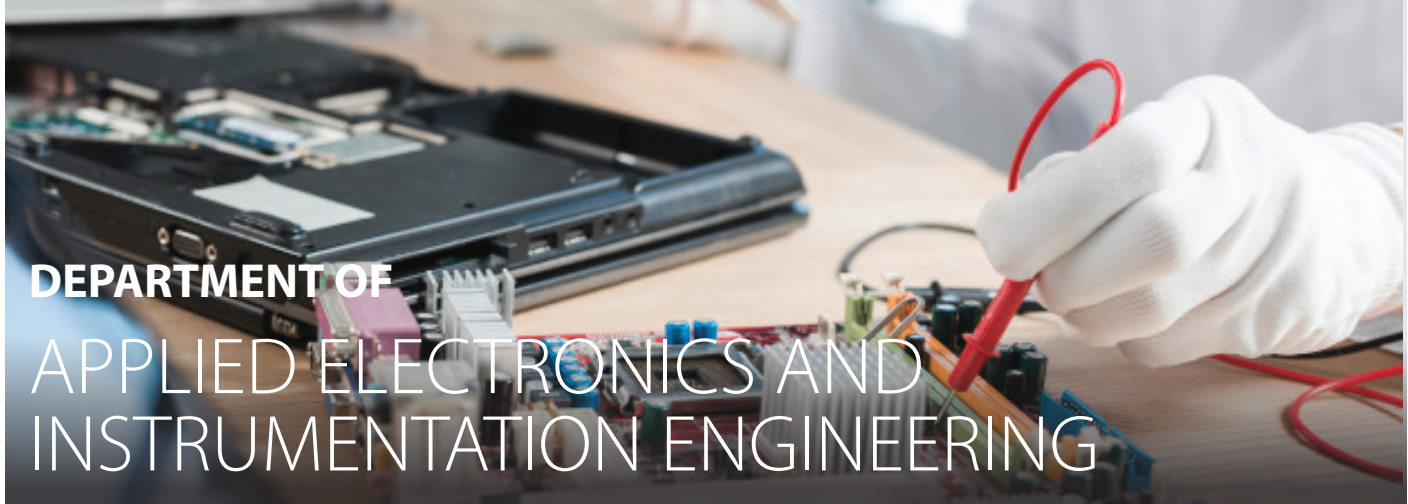
**Dr. Arpita Patra**, Assistant Professor, Dept. of Computer Science and Engineering, IISc Bangalore [Batch of 2004, CSE]

**Mr. Ritwik Nanda**, Advisory Consultant (Lenevo), North Carolina Area. (2000 batch, CHE)

**Website:** <https://hithaldia.co.in/phiredekha/>

**Like us on Facebook:** <https://www.facebook.com/Phiredekhahit/>

**Mail us at:** [phiredekhahit@gmail.com](mailto:phiredekhahit@gmail.com)



# DEPARTMENT OF APPLIED ELECTRONICS AND INSTRUMENTATION ENGINEERING

Applied Electronics and Instrumentation Engineering is a specialized branch of Electrical and Electronics Engineering, primarily focusing on the principles, operations, and sensing of measuring instruments, physical parameters used in the design and configuration of the process industry, and automated systems. This is a multi-disciplinary stream and covers subjects from various branches such as electrical, electronics, biomedical and computers.

Year of Establishment 1996	Programme B. Tech. in Applied Electronics and Instrumentation Engineering	Intake: 73
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## VISSION

To become a dynamic contributor to the community by ensuring excellence in academic and research in the field of Applied Electronics and Instrumentation Engineering and to create an environment that will facilitate the growth of individuals in this field through innovative teaching, research and involvement of industry.

## MISSION

- M1:** To produce quality engineering graduates with the capacity of serving the arena of science, engineering, teaching, research, entrepreneurship and management.
- M2:** To add skill-set such as communication parameter, ethical inputs and to nurture the characteristics of lifelong learning.
- M3:** To ensure the capability of working in a team effectively in different environments and to add tenacity to build work force.

## PROGRAM SPECIFIC OUTCOMES

**PSO1:** Professional Skills: Apply the fundamentals of mathematics, science and engineering knowledge to identify, formulate, design and investigate complex engineering problems of Electronics and Instrumentation circuits, control systems, industrial instrumentation & process automation systems for implementation of complex processes/systems.

**PSO2:** Problem-solving skills: Apply appropriate techniques and modern Engineering hardware and software tools to design, implement & evaluate the control, measurement, process and instrumentation systems vis'-a-vis' analysis of case study related to industrial problems.

**PSO3:** Effective Project management: Inculcate the ability to take the challenge of dealing with real world applications in the domain of Electronics and Instrumentation Engineering and arrive at cost effective and appropriate solutions as an Entrepreneur.

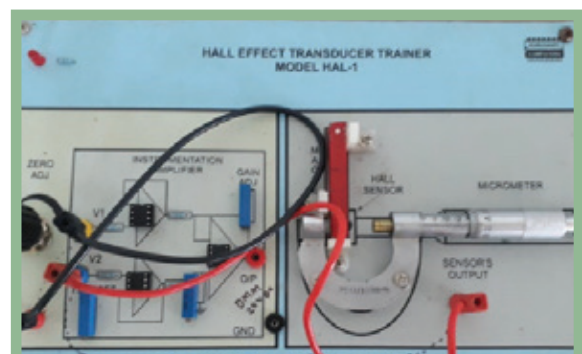
**PSO4:** Successful Career and Societal responsibility: Understand the impact of engineering solutions in societal and environmental context, commit to professional ethics, work effectively as an individual in diverse and multi-disciplinary teams and communicate effectively with the engineering community and the society.

# FACULTY MEMBERS

Faculty Name	Designation	Qualification	Area of Specialization
<b>Dr. Uday Maji</b>	Associate Professor & Head	Ph.D.	Biomedical Instrumentation
<b>Mr. Debadatta Ghosh</b>	Associate Professor	M. Tech	Measurement Instrumentation
<b>Mrs. Madhumita Das</b>	Assistant Professor	M. Tech.	Solar Photovoltaics
<b>Mr. Asim Halder</b>	Assistant Professor	M. Tech.	Instrumentation & Control
<b>Mr. Priyonko Das</b>	Assistant Professor	M. Tech.	Instrumentation & Control
<b>Mrs. Moumita Sahoo</b>	Assistant Professor	M. Tech.	Instrumentation & Control
<b>Mr. Rohan Mandal</b>	Assistant Professor	M. Tech.	Instrumentation & Control
<b>Mr. Soumya Roy</b>	Assistant Professor	M. Tech.	Instrumentation & Control
<b>Mr. Somak Karan</b>	Assistant Professor	M. Tech.	Instrumentation & Control
<b>Mrs. Ishita Maiti</b>	Assistant Professor	M. Tech.	Instrumentation & Control

## MAJOR LABORATORIES

- Sensors & Transducers Lab
- Electronic Measurement Lab
- Industrial Instrumentation Lab
- Microprocessor & Microcontroller Lab
- Process Control Lab
- Remote Control & Telemetry Lab
- Instrumentation and Design Lab

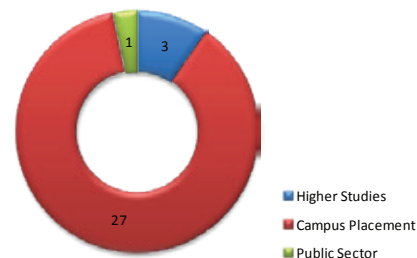


## RESEARCH CAPABILITY

Research activity in the Applied Electronics and Instrumentation department span a wide range of areas including biomedical devices for clinical applications, sensors and signal conditioning electronics for industrial and medical applications, power system monitoring for safety and performance, renewable and non-conventional energy system, power electronics, robotics and automation, embedded systems applications in control, Microelectronics and VLSI design, sensor design etc.

## DEPARTMENTAL LIBRARY

The department Library is having an assortment of total 1218 books with a volume of 773 numbers of different books and journals besides the central library facility.



HIGHER STUDIES & PLACEMENT RECORD



# DEPARTMENT OF BIOTECHNOLOGY

Biotechnology is a broad area of biology where technology utilizes biological systems, living organisms or parts of this to develop or create different products of human benefits. The department of Biotechnology imparts formal classroom education in the multidisciplinary subjects of Biotechnology as well as practical training in the laboratories of various subject areas like Bioinstrumentation; Bioinformatics; Biochemical Engineering etc. to develop industry ready engineers and researchers with leadership & entrepreneurship qualities who can offer services to the society and scientific community through Biotechnology Extension Programmes for lab to land transfer of technologies; and fortify the ideas of perseverance & ethics and to inculcate the spirit of research among the students & teachers through extra-mural research grants. The Students are given special counseling and training in English and Personality Development program for their all round improvement. The department has been ranked 21st among the private engineering colleges in India, published in Biospectrum, Volume 11, Issue 8 in May 2013.

Year of Establishment 2001	Programme B. Tech in Biotechnology	Intake: 18
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## VISSION

To evolve as a pioneer to combat biological challenges and to develop students with sound concepts in Biotechnology who can excel as Leaders in the field of Research, Entrepreneurship, Industry and Management.

## MISSION

**M1:** Implementation of outcome based teaching-learning methodology to fulfill current emerging challenges in various areas of Biotechnology.

**M2:** To fill up the gap between theory and practical in tune with the challenging demands of Biotechnology based industry and academia.

**M3:** To emphasize on certain areas such as soft skills, ethics, team spirit, environmental and societal issues for overall development.



## PROGRAM SPECIFIC OUTCOMES

**PSO1:** An ability to understand the basic concepts of Biotechnology and its application in various fields.

**PSO2:** An ability to combine the theoretical and practical knowledge to solve complex biological problems using appropriate analytical skills and modern tools.

**PSO3:** An ability to build up a successful career compatible in real world with ethical awareness for developing as a working professional or a self-sustaining entrepreneur.

## FACULTY MEMBERS

Faculty Name	Designation	Qualification	Area of Specialization
<b>Dr. Suvroma Gupta</b>	Professor & Head	Ph.D.	Protein Anticancer Drug Interaction
<b>Dr. Siraj Datta</b>	Professor	Ph.D.	Plant Biotechnology
<b>Dr. Sudip Das</b>	Associate Professor	Ph.D.	Protein Chemistry & Cell Biology
<b>Dr. Keya Sau</b>	Associate Professor	Ph.D.	Bioinformatics
<b>Dr. Mukesh Singh</b>	Associate Professor	Ph.D.	Environmental Toxicology & Molecular Genetics
<b>Dr. Sucheta Das Maji</b>	Associate Professor	Ph.D.	Microbial Technology
<b>Mrs. Swati Maiti</b>	Assistant Professor	M. Tech.	Environmental Biotechnology
<b>Dr. Shamba Chatterjee</b>	Assistant Professor	Ph.D.	Animal Cell Culture and Cancer Biology
<b>Dr. Subhasish Dutta</b>	Assistant Professor	Ph.D.	Bioprocess Engineering and Biochemical Technology
<b>Mr. Tilak Raj Maity</b>	Assistant Professor	M. Tech.	Plant Tissue Culture Engineering
<b>Ms. Ahana Bhaduri</b>	Assistant Professor	M. Tech.	Biomedical Engineering

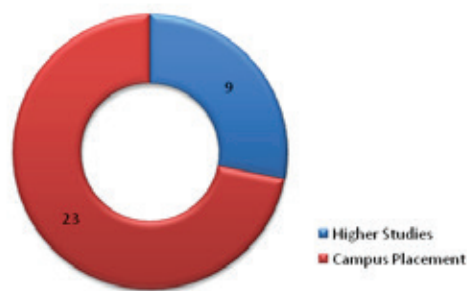
## MAJOR LABORATORIES

- Chemistry Lab/Biochemistry Lab
- Bioinformatics Lab
- Bioseparation Lab
- Central Instrumentation Room
- Fermentation Technology Lab
- Microbiology Lab
- Molecular Biology Lab
- Plant Biotechnology Lab
- rDNA & Immunotechnology Lab
- Research Lab for Plant Molecular Biology (SERB-Sponsored)
- Research Lab for Computational Biology (CSIR-Sponsored)
- Research lab for Molecular Biology and proteomics (CSIR-Sponsored)
- Research Lab for Animal Cell Culture & Mol. Biology (DBT-Sponsored)
- Other facilities: 4 0C Cold Room, Dark

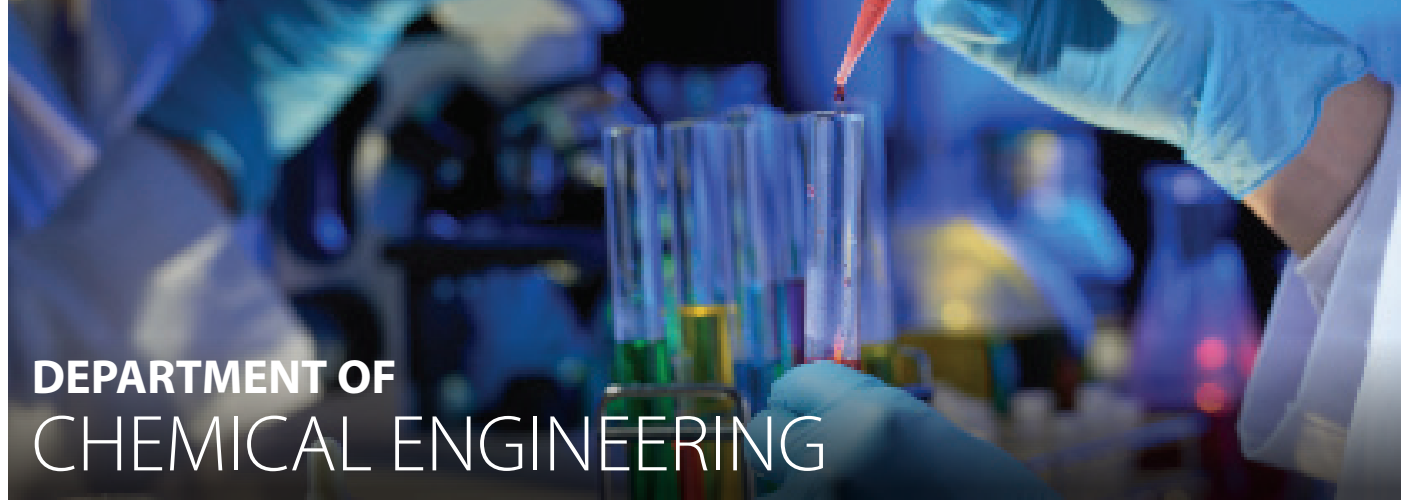


## RESEARCH CAPABILITY

- Microbial Biodiversity & Bioremediation
- Plant Tissue Culture
- Role of matrix metalloproteinases (MMPs) in human pathology
- Molecular Modeling & Drug Design
- Genome Analysis & Phage Therapy
- Environmental Toxicology & Toxicogenomics
- Probiotics
- Protein Anticancer Drug Interaction
- Gene Expression Analysis
- Spectroscopic technique Development
- Animal Cell Culture Based Assay Development



HIGHER STUDIES &amp; PLACEMENT RECORD



# DEPARTMENT OF CHEMICAL ENGINEERING

The department of Chemical Engineering started in 1996 with just thirty students in B. Tech. with the objectives of making competent and dynamic Chemical Engineers, suitable for global market by imparting best possible training and education. Over the years the intake was increased to 60 and the department became NBA accredited in the year 2004, which was renewed again in 2007. The department also started a 2 yr. Post Graduate program in 2006 and offers M. Tech. in Chemical Engineering degree with the aim to further enhance the research activity and Industry-Institute interaction. Through research and consultancy the department serves the local industries to solve their technical problems, with the help of well equipped laboratories and qualified and dedicated faculty members. The students are also provided counseling and special training on GATE / GRE by the faculty members. Since its inception, the department has been continuously conducting different training course, seminar, conference etc. for the benefit of industry and academia. The department became NBA accredited in the year 2017, which has been renewed again in 2020. Since last year, the intake was further increased to 120. To create a common platform for the persons working in Industries, R&D organizations and Academy in and around Haldia, the department established a Regional Centre (HRC) and Student Chapter under Indian Institute of Chemical Engineers (IIChE). School of Petroleum Refining and Petrochemicals has been started under Chemical Engineering Department.

Year of Establishment 1996	Programme B. Tech. in Chemical Engineering	Intake: 120
	M. Tech. in Chemical Engineering	18

## VISSION

To become an internationally acclaimed Department of higher learning to address major societal issues and solve technical challenges faced by Chemical and allied industries through ecofriendly technologies.

## MISSION

**M1:** To inculcate students with a strong fundamental knowledge to meet the needs of a rapidly changing technological environment in process development and equipment design.

**M2:** To carry out interdisciplinary research programme that can creatively shape the undergraduates as well as the post graduates to address the needs of chemical engineering profession in particular and society in general.

**M3:** To develop leadership qualities to solve scientific and environmental challenges keeping in mind the safety and ethical concerns.

## PROGRAM SPECIFIC OUTCOMES

**PSO 1:** Function professionally as an engineer to solve problems by applying acquired knowledge in chemical and allied field.

**PSO 2:** Designing an environment friendly system for effective reaction, separation-purification and other operations in various processes with proper safety measures using modern engineering tools individually or in a team.

**PSO 3 :** Practicing engineering with professional ethics for the benefit of society with proper communication to the community

# FACULTY MEMBERS

Faculty Name	Designation	Qualification	Area of Specialization
<b>Dr. A. K. Saha</b>	Professor & Principal	Ph. D.	Separation & Purification Systems & Cryogenics
<b>Dr. R. Das</b>	Professor & Dean	Ph. D.	Membrane Separation, Environmental Engg. & Waste Water Treatment
<b>Dr. T. K. Manna</b>	Professor & Head	Ph. D.	Heavy Metal Removal , Biodiesel,& Multiphase Flow
<b>Dr. S. B. Kuila</b>	Professor	Ph. D.	Separation & Purification by Membranes & Gels, Biodiesel & Fuel Cell
<b>Dr. R. N. Jana</b>	Associate Professor	Ph. D.	Polymer Nano-composite & Organic Photovoltaic
<b>Dr. S. J. Sahu</b>	Associate Professor	Ph.D.	Modelling, Simulation & Process Control
<b>Dr. B. Mandal</b>	Associate Professor	Ph.D.	Hydrogen Energy & Fuel Cell
<b>Dr. S. Roy</b>	Assistant Professor	Ph.D.	Supercritical Fluid Extraction & Separation Processes
<b>Ms. K. Rana</b>	Assistant Professor	M. Tech	Waste Water Treatment & Membrane Separation
<b>Mrs. S. Samanta</b>	Assistant Professor	M. Tech	Separation Process & Waste Water Treatment
<b>Dr. Barnali Bej</b>	Assistant Professor	Ph.D.	Chemical Reaction Engg. & Catalysis, Renewable Energy
<b>Dr. Lipika Das Samanta</b>	Assistant Professor	Ph.D.	Chemical Reaction Engg. & Waste Water Treatment
<b>Dr. S.S.Boxi</b>	Assistant Professor	Ph.D.	Catalysis, Interfacial and Rheological Behavior Studies of Fluid, Nanoparticles Synthesis, Doping, Fluorescence Sensor
<b>Ms. Aditi Sinha</b>	Assistant Professor	M. Tech	Oil Refinery & Solar Cell

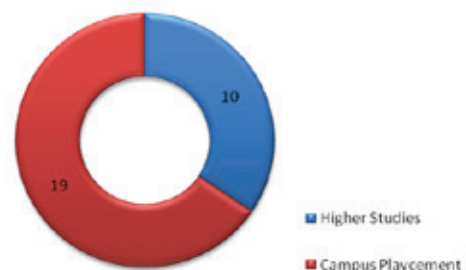
## MAJOR LABORATORIES

- Fluid Mechanics Lab
- Mechanical Operation Lab
- Numerical methods and Computation Lab
- Heat Transfer Lab
- Chemistry Lab
- Process control Lab.
- Energy Lab
- Mass Transfer Lab
- Research Lab.
- Analytical Lab.
- Reaction Engineering Lab
- Environmental Engineering Lab Room

## RESEARCH CAPABILITY

Faculty members are highly dedicated to the cutting edge areas of research and development such as Hydrogen Energy, Fuel Cell, MFC, Waste plastic to Fuel oil, Solar Cell, Polymer synthesis, Biodiesel, Waste water treatment, Adsorption, Super critical fluid extraction etc. One patent has been granted to the institute by Government of India as a result of departmental research outcome.

The department is equipped with following instruments and equipment's for testing and research work. Gas Chromatography, UV-vis Spectrophotometer, Advanced Reactor with major controllers, Supercritical Fluid Extraction Unit, Flue Gas Analyzer, Surface Tensiometer, BOD Analyzer, Moisture analyzer, Centrifuge, Vacuum Equipment, Freeze Dryer, Sonicator, Membrane Module, High Pressure Reactor, Oscilloscope, Refractometer, pH meter, Conductivity meter, Colorimeter, State-of-the-art computing facility provided with internet (8.0 MBPS leased line of BSNL), LAN Many modern Modeling Tools and Solvers (CHEMCAD, MATLAB/SIMULINK). Direct-Digital Control facility & DCS-Control facility.



HIGHER STUDIES & PLACEMENT RECORD

## DEPARTMENTAL LIBRARY

The departmental library is enriched with 300 titles of text books and reference books, journals and LR facilities. Total volume of books in departmental library is around 500.



# DEPARTMENT OF CIVIL ENGINEERING

Department of Civil Engineering in Haldia Institute of Technology was established in 2005. The department offers B.Tech. program to produce competent engineers who can contribute effectively to the improvement in quality of basic needs of human civilization and taking care of the naturally and humanly built environments with their planning, designing, construction, operation and maintenance. The Civil Engineering Department at HIT Haldia is earnestly working to develop solutions to major sustainability challenges of the country and committed to produce leaders impacting the society at large. The Department is actively involved in basic and applied research in the field of Structural Engineering, Geotechnical Engineering, Transportation Engineering, Environmental Engineering, Water Resources Engineering and Remote sensing

Year of Establishment 2005	Programme B. Tech. in Civil Engineering	Intake: 120
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## VISSION

To establish the department as frontiers by offering quality education in proper perspective to accomplish diversified necessities in the field of Civil Engineering education, research and profession.

## MISSION

**M1:** To develop qualified and proficient civil engineers having contemporary skills through outcome-based and self-learning strategies for the service of the sorority.

**M2:** To encourage innovative and real-world problem-oriented research capabilities in the young engineers.

**M3:** To infuse strong ethical values and good professional behavior, so as to adapt and absorb contemporary changes in the field of engineering profession.



## PROGRAM SPECIFIC OUTCOMES

**PSO1:** Able to clearly understand, analyze and comprehend the different courses of Civil Engineering and other interdisciplinary courses and to develop a holistic approach for execution.

**PSO2:** Able to design optimally and offer solution to the real-world problems related to Civil Engineering through the use of modern tools and techniques.

**PSO3:** Capable of sustaining their existence by qualifying national level competitive examinations for higher studies and by successfully meeting the industrial requirements.

# FACULTY MEMBERS

Faculty Name	Designation	Qualification	Area of Specialization
<b>Dr. Ajit Lal Guha</b>	Professor & HOD	Ph. D.	Structural Engineering
<b>Dr. Arabinda Sharma</b>	Professor	Ph. D.	Remote Sensing
<b>Mr. Naval Kishor Yadav</b>	Associate Professor	M. Sc. (Engg.)	Structural Engineering
<b>Dr. Abhisek Santra</b>	Associate Professor	Ph. D.	Remote Sensing
<b>Dr. Bijoli Mondal</b>	Assistant Professor	Ph. D.	Environmental Engineering & Management
<b>Dr. Shreyashi Santra Mitra</b>	Assistant Professor	Ph. D.	Remote Sensing
<b>Mr. Abhishek Naskar</b>	Assistant Professor	M. E.	Highway & Transportation Engineering
<b>Mr. Avik Sahoo</b>	Assistant Professor	M. E.	Structural Engineering
<b>Mr. Ajit Kumar Paria</b>	Assistant Professor	M. E.	Soil Mechanics & Foundation Engineering
<b>Mr. Kausik Bera</b>	Assistant Professor	M. E.	Soil Mechanics & Foundation Engineering
<b>Mr. Bimalendu Mandal</b>	Assistant Professor	M. Tech.	Geotechnical Engineering
<b>Mr. Nilanjan Poddar</b>	Assistant Professor	M. E.	Soil Mechanics & Foundation Engineering
<b>Mr. Saikat Panja</b>	Assistant Professor	M. Tech.	Transportation Engineering
<b>Mr. Saikat Shome</b>	Assistant Professor	M. Tech.	Environmental Engineering
<b>Mr. Souvik Das</b>	Assistant Professor	M. Tech.	Structural Engineering
<b>Mrs. Yellanki Deepti</b>	Assistant Professor	M. Tech.	Transportation Engineering
<b>Mr. Suraj Prakash Dandapat</b>	Assistant Professor	M. Tech.	Water Resource Engineering
<b>Mr. Satyabrata Patra</b>	Assistant Professor	M. E.	Structural Engineering

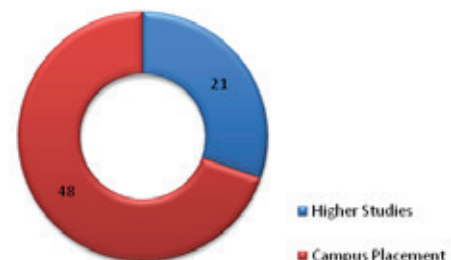
## MAJOR LABORATORIES

- Civil Engineering Lab
- Fluid Mechanics Laboratory
- Soil Mechanics Laboratory
- CAD Laboratory
- Highway Engineering Laboratory
- Engineering Geology Laboratory
- Environmental Engineering Laboratory
- Geoinformatics Laboratory
- Survey store and Surveying facility

## RESEARCH CAPABILITY

The department is equipped with contemporary instruments and excellent infrastructure to conduct research and consultancy in the following sub-disciplines.

- Concrete Technology
- Geotechnical Engineering
- Highway Engineering
- Environmental Engineering
- Geo-Informatics
- Optical and Microwave technologies in urban and forest morphology analysis
- Spatial modeling of hydrologic extreme and Spatial and integrated Water Balance Modeling
- Climate change analysis/prediction and scenario generation 3-D GIS based Terrain visualization



HIGHER STUDIES & PLACEMENT RECORD

## DEPARTMENTAL LIBRARY

The departmental library is enriched with 503 titles of text books and reference books. The total volume of books is around 766.

# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The Department of Computer Science & Engineering was established in 1996 with objectives of producing competent and creative human resources required for the global industries and academia, and of carrying out quality researches in emerging areas of Computer Science.

The Computer Science & Engineering is one of the fastest growing disciplines and is full of rigorous practical analysis. The department has well equipped laboratories and logical reasoning is stressed in all practical applications. With highly qualified and dynamic faculty members, the department boasts of a unique mode of learning, one that uses advanced aids for teaching. The mission of the department is to steadily make its progress in preparing highly competent human resources required by the industry and academia.

Year of Establishment 1996	Programme B. Tech. in Computer Science and Engineering	Intake: 180
	M. Tech. in Computer Science and Engineering	18



## VISSION

To attain significant recognition in computer science and engineering education, research and training to meet the growing needs of the industry and society.

## MISSION

**M1:** To develop human resources with sound knowledge - theory and practical - in the discipline of computing and the ability to apply the knowledge to the benefit of the society at large.

**M2:** To impart quality education through well-developed laboratories in tune with the challenging software needs of the industry.

**M3:** To provide a conducive atmosphere to generate knowledge and develop technologies in the thrust areas of computer science and engineering.

## PROGRAM SPECIFIC OUTCOMES

**PSO 1:** Demonstration of Basic Knowledge: Ability to understand the principles & working of computer systems; demonstrate, analyze, apply management principles, mathematical foundations in the development of computational solutions.

**PSO 2:** Problem Solving Skills: Ability to design and develop computer programs and computer based systems of moderate complexity in the areas pertaining to database, networking, web-design, artificial intelligence and information security.

**PSO 3:** Professional Skills: Ability to apply standard practices and methods in software project management and software development using suitable programming environments to deliver quality product for the industry.

# FACULTY MEMBERS

Faculty Name	Designation	Qualification	Area of Specialization
<b>Dr. Subhankar Joardar</b>	Professor & Head	Ph.D.	Swarm Intelligence, Wireless Networking
<b>Dr. Pinaki Pratim Acharjya</b>	Professor	Ph.D.	Image Processing, Machine Learning
<b>Dr. Santanu Koley</b>	Professor	Ph.D.	Cloud Computing, Steganography
<b>Mr. Tarun Kumar Ghosh</b>	Associate Professor	Ph.D.	High Performance Computing, Computer Architecture
<b>Dr. Bidesh Chakraborty</b>	Assistant Professor	Ph.D.	Cellular automata, VLSI Testing
<b>Dr. Soumitra Roy</b>	Assistant Professor	Ph.D.	Image Processing, Information Security, Water Marking
<b>Mr. Subhabrata Barman</b>	Assistant Professor	M.Tech.	Wireless Network, Grid Computing, Soft Computing, Remote Sensing
<b>Mrs. Shyamali Guria</b>	Associate Professor	M. Tech.	Data Mining
<b>Mr. Palash Roy</b>	Assistant Professor	M. E.	Embedded System
<b>Mr. Sourav Mondal</b>	Assistant Professor	M. Tech.	Natural Language Information Extraction, Multimedia Technology
<b>Ms. Mahuya Sasmal</b>	Assistant Professor	M.E.	Embedded System
<b>Ms. Patrali Pradhan</b>	Assistant Professor	M. Tech.	Soft Computing
<b>Mr. Arindam Giri</b>	Assistant Professor	M. Tech.	Data Mining
<b>Mr. Sabyasachi Pramanik</b>	Assistant Professor	M.Tech.	Image Processing
<b>Ms. Jayeeta Majumder</b>	Assistant Professor	M. Tech.	Information Security
<b>Mr. Sumanta Kuila</b>	Assistant Professor	M.E.	Web Tecnology, DBMS
<b>Mrs. Sanchita Saha</b>	Associate Professor	M.Tech.	Artificial Intelligence, Computer Graphics
<b>Mr. Mrinmoy Sen</b>	Assistant Professor	M. Tech.	Wireless Sensor Network
<b>Mrs. Sunanda Jana</b>	Assistant Professor	M. Tech.	Algorithm
<b>Mrs. Rajrupa Metia</b>	Assistant Professor	M. Tech.	Mobile Computing
<b>Mrs. Angana Chakraborty</b>	Assistant Professor,	M. Tech.	Data Mining, Machine Learning
<b>Mrs. Arpita Mazumdar</b>	Assistant Professor	M. Tech	IoT, Wireless Communication, WSN
<b>Mr. Rajesh Mukherjee</b>	Assistant Professor	M.Tech.	Wireless Sensor Network
<b>Dr. Sumana Kundu</b>	Assistant Professor	Ph.D.	Machine Learning, ANN, Pattern Recognition

## MAJOR LABORATORIES

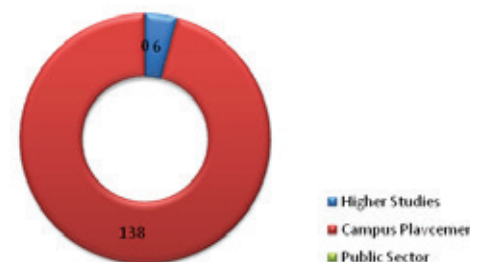
- Central Computing Facility Lab
- Software Lab
- Computer Network Lab
- Operating Systems Lab
- Microprocessor & Microcontroller Lab
- Project Lab
- DBMS Lab
- Computer Organization & Architecture Lab
- Advanced Project Lab
- Multimedia Lab

## RESEARCH CAPABILITY

All faculty members are actively engaged in research activities. The department offers major research facilities in various specializations of M.Tech courses. Research tools like iSECURIT, NETSIM, HDL Model-Sim, MATLAB, FPGA Programming Kits are available for project and research works. High-end servers for software simulations and developments are available in the department. IBM Rational Unified Package and DB2 packages with multi user license are available. A high speed back bone of optical fiber link along with high speed STP/UTP WAN is available throughout the campus with more than 300 personal computers in the department ensures the research facility like any institute of national standard. 100 MBPS leased line for the Internet is available.

## DEPARTMENTAL LIBRARY

Besides the Central Library of the institute, the departmental library is enriched with more than 650 titles and more than 1800 volume of text books and reference books along with different Learning Resources (LRs). Major IEEE, ACM, Elsevier and CSI Journals are available through AICTE-INDEST consortium scheme. The Departmental Library at present contains: Volume: 1823, Title: 689, Journals: 23, Magazines: 41, Computer: 1



HIGHER STUDIES & PLACEMENT RECORD



# DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

The Department of Electronics & Communication Engineering was established in 1998 with B. Tech program in Electronics and communication Engineering. The Department is presently accredited by National Board of Accreditation (NBA). The M. Tech. Program in Electronics & Communication Engineering has commenced from the Academic Session 2005-2006 with duration of two years. Both the programs are affiliated by Maulana Abul Kalam Azad University of Technology (MAKAUT), WB and approved by AICTE.

Year of Establishment <b>1998</b>	Programme <b>B. Tech. in Electronics &amp; Communication Engineering</b>	Intake: <b>180</b>
	<b>M. Tech. in Electronics &amp; Communication Engineering</b>	<b>18</b>



## VISSION

To produce dynamic human resources of global standards by imparting quality teaching, carrying out research and technology development in the emerging areas of Electronics & Communication Engineering.

## MISSION

- M1:** To produce electronics and communication engineers having strong theoretical foundation, good design experience and exposure to research and technology development in frontier areas of electronics and communication engineering.
- M2:** To create competent professionals who can work as an individual or in a group with effective communication and leadership skills meeting the requirements of multi-cultural global environments.
- M3:** To help the student becomes a successful and responsible engineer for the betterment of mankind by inculcating social and ethical values in professional engineering programme.

## PROGRAM SPECIFIC OUTCOMES

- PSO1:** Apply basic knowledge in diversified fields of Electronics and Communication Engineering to solve engineering and socio-ethical problems.
- PSO 2:** Design, Verify and Validate electronic functional elements for a variety of experiments and projects with skill to analyze, interpret and communicate results either independently or in teams.
- PSO3:** Recognize contemporary issues to adapt lifelong learning and develop consciousness for technical, professional, managerial and legal responsibilities.

# FACULTY MEMBERS

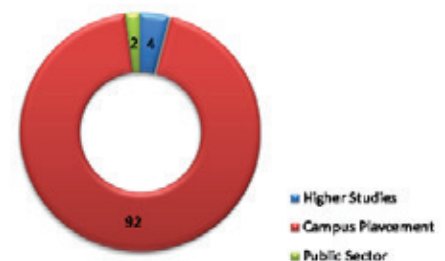
Name	Designation	Qualification	Area of Specialization
<b>Dr. Chanchal Kumar De</b>	Professor & Head,	PhD	Wireless Communication
<b>Dr. Malay Kumar Pandit</b>	Professor	PhD	Artificial Intelligence, Embedded systems, Neural network
<b>Dr.Kishalaya Chakrabarti</b>	Professor	PhD	Optical Communication
<b>Dr. Jagannath Samanta</b>	Associate Professor	PhD.	Digital VLSI Design
<b>Dr. Avisankar Roy</b>	Associate Professor	PhD	Mobile Communication & Network Technology
<b>Mr. Asim Kumar Jana</b>	Associate Professor	M. Tech., MBA	Optical Communication & Nano-sciences
<b>Mr. Kushal Roy</b>	Assistant Professor	M. Tech., M. Phil	Optical Instrumentation
<b>Mr. Amit Bhattacharyya</b>	Assistant Professor	M.Tech.	Radio Physics and Electronics
<b>Mr. Suman Paul</b>	Assistant Professor	M.Tech	Mobile Networking & computing
<b>Mr. RajkumarMaity</b>	Assistant Professor	M.Tech	Information Theory and Coding
<b>Mr. Tirthadip Sinha</b>	Assistant Professor	M.E. Tel. E.	Communication Engineering
<b>Mr. Banibrata Bag</b>	Assistant Professor	M.Tech	Microelectronics & VLSI Design
<b>Mr. Surajit Mukherjee</b>	Assistant Professor	M.Tech	Microwave Engineering
<b>Mr. Akinchan Das</b>	Assistant Professor	M.Tech	Wireless Communication
<b>Mr. Dibyendu Chowdhury</b>	Assistant Professor	M.Tech	Embedded system
<b>Dr. Avishek Das</b>	Assistant Professor	PhD	Digital Signal Processing
<b>Mr. Pinaki Satpathy</b>	Assistant Professor	M.Tech	Embedded system
<b>Mr. Santanu Maity</b>	Assistant Professor	M.Tech	Microelectronics & VLSI Design
<b>Ms. Razia Sultana</b>	Assistant Professor	M.Tech	Microelectronics & VLSI Design
<b>Mr. Dipak Samanta</b>	Assistant Professor	M.Tech	Communication Engineering
<b>Mrs. Moumita Jana</b>	Assistant Professor	M.Tech	Communication Engineering
<b>Mr. Tilak Mukherjee</b>	Assistant Professor	M.Tech	Electronics and Communication
<b>Mr. Jayanta Kumar Bag</b>	Assistant Professor	M.E.Tel.E	Electronics Device
<b>Ms. Sayani Ghosh</b>	Assistant Professor	M.Tech	VLSI Design
<b>Ms. Pallabi Pahari</b>	Assistant Professor	M.Tech	Microelectronics & VLSI Design

## MAJOR LABORATORIES

- |   |  |   |
|---|--|---|
| <input checked="" type="checkbox"/> Basic Electronics Lab           | Control System Lab   | <input checked="" type="checkbox"/> Circuit Theory & Device Lab |
| <input checked="" type="checkbox"/> Analog Electronics & Design Lab | <input checked="" type="checkbox"/> RF Engineering & Optical Communication Lab | <input checked="" type="checkbox"/> Communication System Lab    |
| <input checked="" type="checkbox"/> Digital Electronics Lab         | <input checked="" type="checkbox"/> VLSI Design Lab                            | <input checked="" type="checkbox"/> Embedded System Lab         |
| <input checked="" type="checkbox"/> Digital Signal Processing &     | <input checked="" type="checkbox"/> PCB Fabrication Lab                        | <input checked="" type="checkbox"/> Project Lab                 |

## RESEARCH CAPABILITY

- VLSI design
- Micro-strip patch antenna design and Fabrication
- Embedded Systems
- Opto Electronics, OFC design and testing.
- PCB Design and Fabrication & Testing



HIGHER STUDIES & PLACEMENT RECORD

## DEPARTMENTAL LIBRARY

The Departmental library is enriched with 392 Titles & about 590 Volumes of Text and Reference Books. Many E-books and Journals are also available in the departmental library.



# DEPARTMENT OF ELECTRICAL ENGINEERING

The Department of Electrical Engineering has been offering undergraduate course in Electrical Engineering since 2002. Thus, the department has an excellent learning environment created by experienced and dedicated young faculty members from renowned institutes, technical staff, excellent laboratories and innovative academic activities.

The Department firmly believes in imparting a strong hands-on experience to the different subjects that a student takes for this course so that the students develop their ability to solve complex problems. Therefore, the Department places emphasis on the laboratory component, internships and projects apart from imparting theoretical knowledge. The department has a well combination of hardware and software facilities along with research laboratories. The department provides students with modern hardware facilities like PLCs, Synchronization of Alternator, SPWM Drives, FPGA based data acquisition system, Machine fault simulator, etc. At the same time department also provides computational facilities with MATLAB, PSPICE, PSCAD, PSIM etc. The department provides good training and placement opportunities to all its students. The department also supports IEEE HIT Student branch which is a wing of IEEE Kharagpur Section (IITKGP). The department was NBA accredited till June, 2021.

Year of Establishment <b>2002</b>	Programme <b>B. Tech in Electrical Engineering</b>	Intake: <b>120</b>
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## VISSION

To be a front runner in Electrical Engineering education, research and profession and will facilitate the growth of Electrical Engineering graduates with dynamic capabilities of accepting new challenges.

## MISSION

**M1:** The primary mission of the Department of Electrical Engineering is to produce quality human resource with capacity to serve the fraternity in a wide variety of roles including science, engineering, teaching, research, entrepreneurship and management.

**M2:** Putting emphasis on areas such as communication skills, professional and ethical responsibility, lifelong learning and contemporary issues to complement the technical aspects of the engineering course.

**M3:** To ensure combination of engineering and complementary course works in the curriculum so that electrical Engineering graduates are well-rounded, able to work effectively in team settings and able to adapt to different work environments.

## PROGRAM SPECIFIC OUTCOMES

**PSO1:** Be able to analyze and understand mathematical, scientific and engineering fundamentals to Identify complex engineering problems and design system components or processes considering health, safety, cultural, societal and environmental aspects.

**PSO2:** Conduct research based investigation including design of experiments interpretation of data Synthesis of information usages of modern engineering tool to solve complex engineering activities with an understanding of the limitations related to societal health safety and legal issues.

**PSO3:** Apply ethical principles related to societal and environmental context in a multi-disciplinary Setting as an individual or in a team.

**PSO4:** Able to comprehend effective reports and design documentation considering management and financial principles that will benefit the society at large for life long period in the broadest context of technological changes.

# FACULTY MEMBERS

Faculty Name	Designation	Qualification	Area of Specialization
<b>Dr. M. N. Bandyopadhyay</b>	Professor & Director	Ph.D.	Electrical Machine & Power
<b>Dr. Dilip Kumar Dey</b>	Professor & Head	Ph.D.	Electrical Machine & Power Fault Analysis of Induction Motor by AI Technique
<b>Dr. Pratyay Konar</b>	Associate Professor	Ph.D.	Electrical Machine
<b>Dr. Santigopal Pain</b>	Assistant Professor	Ph.D.	Control System
<b>Dr. ParthaSarathi Das</b>	Assistant Professor	Ph.D.	Microprocessor and Microcontroller, Digital Electronics
<b>Mr. Goutam Das</b>	Assistant Professor	M.Tech.	Electrical Machine, Circuit Theory, Condition Monitoring of Induction Motor
<b>Mr. Sandip Kumar Ojha</b>	Assistant Professor	M.Tech.	Electrical Machine, Transformer Insulation Condition Monitoring
<b>Mr. Sourav Kumar Das</b>	Assistant Professor	M.E.	Control System, Communication System, Analog & Digital Electronics Circuits
<b>Ms. Piya Roy</b>	Assistant Professor	M.Tech.	Power System, Measurement, Digital Power System Fault Analysis
<b>Mr. AyandeepGanguly</b>	Assistant Professor	M.Tech.	Power System, Application of Power Electronics in Power System, Renewable Energy
<b>Ms. Alpana Barman</b>	Assistant Professor	M.E.	Power Electronics & Drive, Measurement
<b>Mr. SaubhikMaulik</b>	Assistant Professor	M.Tech.	Power Electronics & Drive
<b>Mr. Nayan Manna</b>	Assistant Professor	M.E.	Power System
<b>Mr. Mithun Manna</b>	Assistant Professor	M.E.	Machine & Drive
<b>Mr. Shouvik Mondal</b>	Assistant Professor	M.Tech.	Power Electronics & Drive
<b>Mr. Souvik Dutta</b>	Assistant Professor	M.Tech.	Electrical Drives & Power System
<b>Mr. Asit Kumar Mondal</b>	Assistant Professor	M.Tech.	Power System, Electrical Machine
<b>Mr. Debasis Maji</b>	Assistant Professor	M.Tech.	Control System
<b>Mr. Banshidhari Samanta</b>	Assistant Professor	M.Tech.	Power Electronics & Drive
<b>Mr. Vikash Ranjan</b>	Assistant Professor	M.Tech.	Electrical Machine, Measurement

## MAJOR LABORATORIES

- Basic Electrical Engineering Lab
- Circuit Theory & Networks Lab
- Electrical and Electronic Measurements Lab
- Analog & Digital Electronics Lab
- AC Machines Lab
- DC Machines Lab
- Power System Protection Lab
- Electrical Machine Design Lab
- Power Systems Lab
- Control Systems Lab
- Power Electronics Lab
- Electric Drives Lab
- Microprocessor Lab

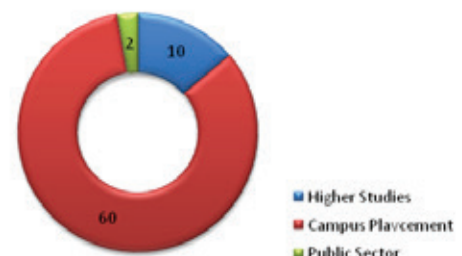


## RESEARCH CAPABILITY

Application of Advanced Signal Processing Tools for Impulse Fault Diagnosis in High Voltage Transformers, Advanced techniques for Condition monitoring and life Prediction of Power Transformers, Induction Motor Fault Diagnosis, Drives Fault Analysis, FPGA based Real time condition monitoring of motor, DSP based system design.

## DEPARTMENTAL LIBRARY

- 1474 volumes
- All IEEE/IEE (IEL) journals
- 732 titles
- 5 magazines



HIGHER STUDIES & PLACEMENT RECORD



The Department of Food Technology started its journey in 2006, with the objective of developing a “Centre of Excellence” in food technology education and research. Since then, the Department has flourished primarily focusing on strong network and collaboration with more than 150 food and allied businesses and industries across India. The effective and efficient industry-academia network at our Department provides our students and faculties with unique perspective on food technology education with emphasis on practical training and skill development in our B. Tech. students – budding professionals, who are going to shape this fastest growing manufacturing sector in India. The Department looks beyond curricular development of students by inculcating discipline and professional conduct in their daily routine, and by enriching them with business and industry oriented applications through organizing Industry-Academia conferences, seminars, workshops, trainings, and routine industry visits. Assistance in preparations for competitive exams e.g. GATE, GRE are also given to students interested to pursue higher studies.

Year of Establishment <b>2006</b>	Programme <b>B. Tech in Food Technology</b>	Intake: <b>60</b>
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## VISSION

To be a front runner in Food Technology education and research developing human resources, who are ready to accept emerging challenges in progress of science, engineering, and technology in food processing and allied areas.



## MISSION

- M1:** To produce quality human resources with capacities to serve the fraternity as a wide variety of professionals including scientist, researcher, engineer, teacher, entrepreneur and manager.
- M2:** To collaborate and network with food industries and associated businesses in order to bring a unique perspective in food technology education.
- M3:** To ensure a synergistic focus on engineering and complementary skill developments through curricular and co-curricular program(s) so that Food Technology graduates are well-rounded, competitive in job searches, effective professionals with teamwork skills, and are capable of adapting to different work environme

## PROGRAM SPECIFIC OUTCOMES

- PSO 1:** Ability to understand basic technical concepts and to effectively apply them to identify, comprehend and solve problems in the area of Food Technology and related disciplines.
- PSO 2:** Ability to integrate the scientific/ technical knowledge with personality development traits that provides the society with competent food technology / food engineer /food scientist professionals with adaptability, team work, leadership skills, and administrative acumen.
- PSO 3:** Ability to fulfil societal needs through sustainable problem solving and life-long learning in an ethical and responsible manner.

# FACULTY MEMBERS

Faculty Name	Designation	Qualification	Area of Specialization
<b>Dr. Sumita Das</b>	Professor & HOD	Ph. D.	Product Formulation, Extraction, Fermentation & Food Safety
<b>Mr. Gourab Chatterjee</b>	Assistant Professor	M. Tech.	Product Formulation & Value Addition
<b>Mr. Niladri Chakraborty</b>	Assistant Professor	M. Tech.	Food Engineering and Processing
<b>Ms. Swati Ray</b>	Assistant Professor	M. Tech.	Alcoholic Fermentation & Value addition in Beverage
<b>Mr. Ranjay Thakur</b>	Assistant Professor	M. Tech.	Development of Value added Product
<b>Mr. Aniruddha De</b>	Assistant Professor	M. Tech	Food Process Engineering
<b>Mr. Amit Mukherjee</b>	Assistant Professor	M. Tech	Edible Fats and Oil
<b>Ms. Rahel Suchintita Das</b>	Assistant Professor	M. Tech	Value addition and New Product Development
<b>Mr. Subhankar Mishra</b>	Assistant Professor	M. Tech	Irradiation Technology, FSMS
<b>Dr. Indira Dey Paul</b>	Assistant Professor	Ph.D	Extraction, Drying & Functional Foods

## MAJOR LABORATORIES

- Michaelis Menten Chemistry of Food Laboratory
- Food Analysis and Quality Control Laboratory
- Koch's Food Microbiology Laboratory
- John Pemberton Food Processing Pilot Plant

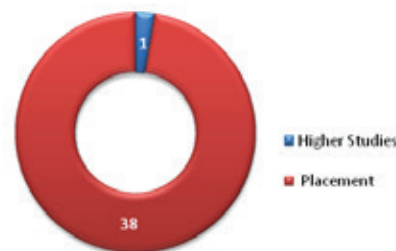
## RESEARCH CAPABILITY

The faculty members are involved in various undergraduate research projects in the areas like development of functional dairy products, sensory optimization of food products, bioprocess modeling, fermentation technology, utilization of waste materials into products of commercial importance, food process engineering etc. There are four specified laboratories in the department for this purpose viz. Food processing pilot plant, Food Chemistry Lab, Food Microbiology Lab, Food Analysis & Quality Control Lab. Some major instruments used for carrying out the research works are: UV Vis Spectrophotometer (spectral range 190-1100nm), High Pressure Liquid Chromatography (HPLC), Ultrasonicator, Rotary vacuum evaporator, Digital PH Meter, Digital Moisture Analyzer, Tray Drier, Spray Drier, Plate Freezer, Canning unit etc.



## DEPARTMENTAL LIBRARY

The departmental library is enriched with 100 titles and approximately 120 volumes along with about 200 titles available at Aryabhatta Central Library. The Library remains open at the convenience of the students even after working hours.



HIGHER STUDIES & PLACEMENT RECORD



# DEPARTMENT OF INFORMATION TECHNOLOGY

The department of Information Technology has been offering undergraduate course in IT since 2000. Within a very short span of time, the department has created an excellent learning environment with dedicated young faculty members, technical staff, excellent laboratories and innovative academic processes. In order to perform the complex functions the modern Information Technology would use computers, database management systems, and cryptography. The department provides computational facilities for system level programmers, application development and research. For application level developers, complete enterprise level suites such as J2EE and Multimedia application. The department provides good training and placement opportunities to all its students and to envisage the everlasting sustenance in the global competitiveness.

Year of Establishment 2000	Programme B. Tech in Information Technology	Intake: 120
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## VISSION

To become a front-runner in preparing graduates to be efficient problem solvers, researchers, innovators and entrepreneurs, and making them competent professionals by enabling them to take up any kind of challenges in Information Technology industry or research organizations they serve.

## MISSION

**M1:** To offer high-quality undergraduate programs in order to prepare our graduates to become leaders in their profession and prepare the students and faculty to solve challenging real world problems through strong research and development.

**M2:** To provide best infrastructure facilities to achieve excellence in teaching-learning process and research.

**M3:** To enhance the students' knowledge in the latest technologies by organizing and participating in technical programs.

## PROGRAM SPECIFIC OUTCOMES

**PSO 1:** Problem Solving Skills – Graduate will be able to apply analytical and experimental problem-solving skills, computational techniques and software principles for designing of software systems.

**PSO2:** Professional Skills – Graduate will be able to develop efficient and effective software systems using modern and emerging computer engineering techniques in the field of Information Technology.

**PSO3:** Successful Career – Graduates will be able to pursue career in IT industries, entrepreneurship, higher studies and doctoral degree programs.

# FACULTY MEMBERS

Name	Designation	Qualification	Area of Specialization
<b>Dr. Soumen Paul</b>	Professor & Head,	Ph. D.	Soft Computing & Algorithm
<b>Dr. Sabyasachi Samanta</b>	Associate Professor	Ph.D	Information Security
<b>Mr. Susmit Maity</b>	Associate Professor	M. Tech.	Cellular Automata
<b>Mrs Moumita Mantri</b>	Assistant Professor	M. Tech.	Network Security
<b>Mr. Pranab Goswami</b>	Assistant Professor	M. Tech.	Image Processing
<b>Mr. Bidyut Das</b>	Assistant Professor	M. Tech.	Natural Language Processing
<b>Mr. Manasija Bhattacharya</b>	Assistant Professor	M. Tech.	Computer networking
<b>Mr. Ramkrishna Ghosh</b>	Assistant Professor	M. Tech.	Image Processing
<b>Mrs Tamosa Chakraborty</b>	Assistant Professor	M. Tech.	Cyber Physical Design
<b>Mrs Banani Ghosh</b>	Assistant Professor	M. Tech.	Wireless Sensor Network
<b>Mr Tauseef Khan</b>	Assistant Professor	M. Tech.	Machine Learning

## MAJOR LABORATORIES

- Multimedia Lab.
- Advanced Optimization Lab
- Computing System Lab
- DBMS Lab
- Computer Organization & Architecture Lab
- CCF Lab
- Project Lab 1
- Networking Lab
- Project Lab 2
- Operating System Lab

## RESEARCH CAPABILITY

The department may be considered to be a place for research in the field of multi Criteria Decision Making of international stature. The CAD/CAM Laboratory was accolade by AICTE as A Grade Excellent laboratory which was initially funded by AICTE under MODROB Scheme. The centre is equipped with softwares like CATIA, QUEST, UGRIP, ANSYS, ADAMS, ESPRIT, AutoCAD inventor, Visual Nastrun, Automation Studio, Fluent, Systat, Lingo-Lindo etc.

## DEPARTMENTAL LIBRARY

The department Library is having an assortment of total 405 books with a volume of 185 numbers of different books and journals besides the central library facility





# DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING

The Instrumentation and Control Engineering Department was established in 2005, with objectives to provide value added education looking into the requirements of the industry. It also has the target to open the gateway towards higher studies. The Department has set a vision towards establishing a centre of excellence in instrumentation for carrying out continuous research and nurturing of Process Control, Digital Signal Processing, MEMS, Control Systems, Micro-Controller so on and so forth. Another major mission of the Department is to excel through continuous improvement of Teaching & Learning Process. The pedagogy of teaching is contained with ICT Based Teaching, Workshop mode training etc.

Year of Establishment <b>2005</b>	Programme <b>B. Tech. in Instrumentation &amp; Control Engineering</b>	Intake: <b>60</b>
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## VISSION

To become a dynamic contributor to the global community through the development of expertise and dissemination of advanced knowledge in the field of Instrumentation and Control Engineering.

## MISSION

**M1:** To produce high quality graduates in Instrumentation and Control Engineering through advanced knowledge of science and engineering to serve in the arena of industry, research organizations, educational institutions, entrepreneurship and management.

**M2:** To promote the students achieve competencies, communication skill, leadership quality, team work capability and employability for the benefit of Industry and society through knowledge of Instrumentation and Control Engineering.

**M3:** To enhance the working capability as individual member or a team in multi-cultural global environment by inculcating social and ethical values in professional engineering practices.

## PROGRAM SPECIFIC OUTCOMES

**PSO1:** Apply the knowledge of mathematics, science and engineering to implement and design the model of industrial instrumentation, control system, advance control system, process automation and complex process/system in Instrumentation and Control Engineering.

**PSO2:** Apply the techniques, skills and advanced software/hardware tools used in industries to develop automation concepts and design control algorithms for different industrial process model.

**PSO3:** Understand the impact of engineering solutions in a global, economical, ethical and societal context, commit to quality consciousness for employment, higher studies, project management and work as a team member or leader with effective communication skills in diverse working environment.

## FACULTY MEMBERS

Name	Designation	Qualification	Area of Specialization
<b>Dr. Sudipta Bardhan,</b>	Assistant Professor & Head	Ph. D.	VLSI Design & Microelectronics Technology
<b>Mr. Saorabh Kr. Mondal</b>	Assistant Professor	M. Tech.	Instrumentation & Control
<b>Mrs. Sweta Bijali,</b>	Assistant Professor	M. Tech	
<b>Mr. Manas Sarkar,</b>	Assistant Professor	M. Tech	Instrumentation & Control
<b>Mr. Priyanka Rakshit,</b>	Assistant Professor	M. Tech	Instrumentation & Control
<b>Mr. Tanmay Sinha Roy,</b>	Assistant Professor	M. Tech.	AEIE
<b>Mr. Indranil Dey,</b>	Assistant Professor	M. Tech.	Process Control & Instrumentation
<b>Mr. Avijit Routh</b>	Assistant Professor	M. Tech	Power Engineering

## MAJOR LABORATORIES

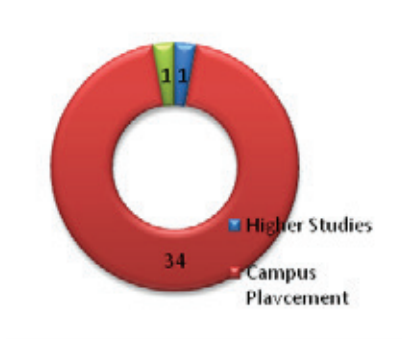
- Control Systems Lab
- Analog Electronics Lab
- Circuits Theory Lab
- Logic and Distributed Control System Lab

## RESEARCH CAPABILITY

The department is equipped with following instruments and equipments for research work: Many modern modeling tools (MATLAB/SIMULINK, LOGO), PLC, Oscilloscope.

## DEPARTMENTAL LIBRARY

The department Library is having an assortment of total 764 books with a volume of 1206 numbers of different books and journals apart from the central library facility.



HIGHER STUDIES & PLACEMENT RECORD

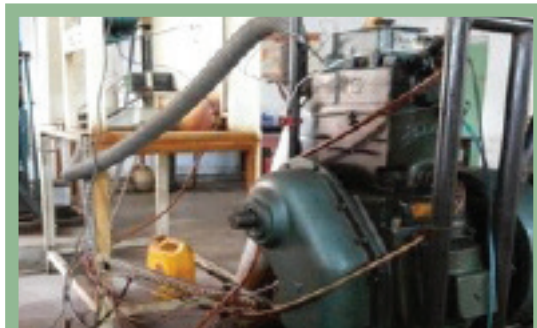




# DEPARTMENT OF MECHANICAL ENGINEERING

The department provides in depth education and training in different theoretical and practical aspects of Mechanical Engineering, like manufacturing technology, thermal engineering, engineering design to name a few. The department has a motto of nurturing young minds in such a way that at the end of the study, they come out as competent professional able to thrive in excellence in the different field in industry as well as higher education. The department aims to impart professional values and ethics to the students so that they become successful and responsible persons in their field of work and the society as a whole. The department aims to create a vibrant atmosphere for fostering pedagogy and research as well as professional growth of all of its stakeholders.

Year of Establishment 2000	Programme B. Tech in Mechanical Engineering	Intake: 180
	M. Tech in Mechanical Engineering (Specialization to Manufacturing Technology)	9



## VISSION

To create a platform for quality teaching-learning process where, the students are not only taught various subjects as per framed syllabus, but also exposed to the topic beyond it with an emphasis on blending of knowledge and skill and relevance of a topic or subject with the real-life situation so that one can adapt to the industrial requirement.



## MISSION

- M1:** To create qualified and proficient technocrats having contemporary skills through outcome-based and self-learning strategies.
- M2:** To encourage innovation-oriented and problem-based research capabilities in the young engineers through higher studies to nurture the progress of the society.
- M3:** To instil strong ethical values and good professional behavior, so as to adapt and absorb emerging changes in the field of engineering profession.

## PROGRAM SPECIFIC OUTCOMES

- PSO1:** Should be able to clearly understand, analyze and comprehend the different courses of Mechanical Engineering and other interdisciplinary courses and develop a holistic approach for implementation.
- PSO2:** Should be able to apply the knowledge, techniques and skills acquired to provide solutions to the real world problems related to Mechanical Engineering.
- PSO3:** Should have the capability to comprehend the advancements in the usage of modern design tools and latest techniques to analyze and design subsystems/processes for a variety of applications

## FACULTY MEMBERS

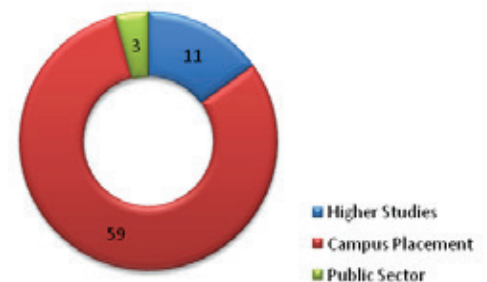
Name	Designation	Qualification	Area of Specialization
<b>Dr. TarunKanti Jana</b>	Professor & Dean	Ph.D,	Metal cutting and CNC machining
<b>Dr. Goutam Kumar Bose</b>	Professor & Head	Ph.D,	Manufacturing Technology
<b>Dr. Balaram Dey</b>	Professor	Ph.D,	Production and Industrial Engineering
<b>Dr. Debasis Das Adhikary</b>	Associate Professor	Ph.D,	Production Engineering
<b>Dr. Nilava Shankar Mitra</b>	Associate Professor	Ph.D,	Manufacturing Technology
<b>Dr. Supriyo Roy</b>	Associate Professor	Ph.D,	Machine Design
<b>Dr. Sreerup Banerjee</b>	Associate Professor	Ph.D,	Biomechanics
<b>Mr. Ashoke Kumar Bera</b>	Assistant Professor	M. E.	Production and Industrial Engineering
<b>Dr. Abhishek Samanta</b>	Assistant Professor	M.Tech	Fluid Mechanics
<b>Mr. Nirmalya Bayal</b>	Assistant Professor	M.E.	Fluid Mechanics
<b>Mr. Sourav Sarkar</b>	Assistant Professor	M.Tech	Production Technology and Management
<b>Mr. Sourav Battacherjee</b>	Assistant Professor	M.Tech	Manufacturing Technology
<b>Mr. Souvik Gantait</b>	Assistant Professor	M.Tech	Manufacturing Technology
<b>Mr. Udayan Majumder</b>	Assistant Professor	M.Tech	Thermal Science and Engineering
<b>Mr. Manas Kumar Bhukta</b>	Assistant Professor	M.Tech	Mechanics of Fluids
<b>Mr. Pritam Pain</b>	Assistant Professor	M.Tech	Manufacturing Technology
<b>Dr. Premangshu Mukhopadhyay</b>	Assistant Professor	M.Tech	Manufacturing Technology
<b>Mr. Sourav Pattanayak</b>	Assistant Professor	M.Tech	Mechanics of Solids
<b>Mrs. Sakshi Tyagi</b>	Assistant Professor	M.Tech	Manufacturing Technology
<b>Mr. Satyajit Chatterjee</b>	Assistant Professor	M.Tech	Manufacturing Technology

## MAJOR LABORATORIES

- Mechanical Workshop
- Fluid Mechanics and Machinery Lab
- Thermal Engineering Lab
- Refrigeration & Air-Conditioning Lab
- Metrology Lab
- Dynamics of Machine Lab
- Strength of Materials Lab
- Advanced Manufacturing Lab
- CAD/CAM Lab

## RESEARCH CAPABILITY

The department may be considered to be a place for research in the field of multi Criteria Decision Making of international stature. The advanced manufacturing lab consists of several non-traditional machining equipment. The CAD/CAM Laboratory was accolade by AICTE as A Grade Excellent laboratory which was initially funded by AICTE under MODROB Scheme. The centre is equipped with software like CATIA, QUEST, UGRIP, ANSYS, ADAMS, ESPRIT, AutoCAD inventor, Visual Nastrun, Automation Studio, Fluent, Systat, Lingo–Lindo etc.



HIGHER STUDIES & PLACEMENT RECORD

## DEPARTMENTAL LIBRARY

The department Library is having an assortment of total 181 books with a volume of 139 numbers of different books and journals besides the central library facility.



# DEPARTMENT OF COMPUTER APPLICATIONS

The Department of Computer Applications was established in 2002 with objectives of producing competent and creative human resources required for the global industries and academia, and of carrying out quality researches in emerging areas of Computer Science.

The Computer Applications is one of the fastest growing disciplines and is full of rigorous practical analysis. The department has well equipped laboratories and logical reasoning is stressed in all practical applications. With highly qualified and dynamic faculty members, the department boasts of a unique mode of learning, one that uses advanced aids for teaching. The mission of the department is to steadily make its progress in preparing highly competent human resources required by the industry and academia.

Year of Establishment 2002	Programme Master of Computer Applicatoon	Intake: 60
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## VISSION

To attain significant recognition in Computer Applications education, research and training to meet the growing needs of the industry and society.

## MISSION

**M1:** To create qualified and proficient technocrats having contemporary skills through outcome-based and self-learning strategies.

**M2:** To encourage innovation-oriented and problem-based research capabilities in the young engineers through higher studies to nurture the progress of the society.

**M3:** To instil strong ethical values and good professional behavior, so as to adapt and absorb emerging changes in the field of engineering profession.



## PROGRAM SPECIFIC OUTCOMES

**PSO 1:** Demonstration of Basic Knowledge: Ability to understand the principles & working of computer systems; demonstrate, analyze, apply management principles, mathematical foundations in the development of computational solutions.

**PSO 2:** Problem Solving Skills: Ability to design and develop computer programs and computer based systems of moderate complexity in the areas pertaining to database, networking, web-design, artificial intelligence and information security.

**PSO 3:** Professional Skills: Ability to apply standard practices and methods in software project management and software development using suitable programming environments to deliver quality product for the industry.

## FACULTY MEMBERS

Name	Designation	Qualification
<b>Sri Apratim Mitra</b>	Assoc. Professor & Head	M.C.A.
<b>Sk. Sahnawaj</b>	Assoc. Prof.	M.Sc., MCA
<b>Sri Shatadru Sengupta</b>	Asst. Professor	M.Sc.
<b>Ms. Manasi Jana</b>	Asst. Professor	MCA
<b>Ms. Bipasha Biswas</b>	Asst. Professor	MCA
<b>Ms. Kankana Datta</b>	Asst. Professor	MCA
<b>Ms. Tapalina Banerjee</b>	Asst. Professor	M.Tech

## MAJOR LABORATORIES

- Relational Database Management Systems Laboratory
- Software Laboratory
- Computing Facility Lab
- Operating Systems Laboratory
- Computer Network Laboratory
- Project Laboratory
- Microprocessor & Microcontroller Laboratory
- Multimedia Laboratory
- Advanced Project Lab

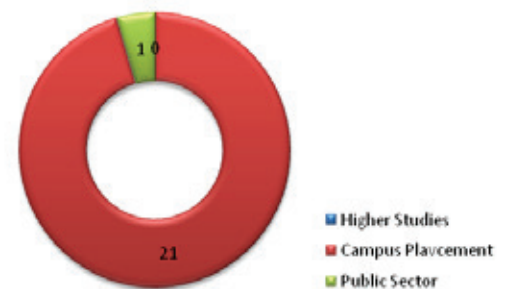


## RESEARCH CAPABILITY

All faculty members are actively engaged in research activities.

## DEPARTMENTAL LIBRARY

Besides the Central Library of the institute, the departmental library is enriched with more than 62 titles and more than 83 volume of text books and reference books along with different Learning



HIGHER STUDIES & PLACEMENT RECORD



# DEPARTMENT OF MANAGEMENT AND SOCIAL SCIENCE

The Department of Management and Social Science was established in the year 2002 which offers the programme “Master of Business Administration”. The department has a vision to create ‘Managers’ through education, industrial training, application-oriented research and grooming to make it a center of excellence, making a mark in the field of management education. 15 batches have already graduated and have been placed in different benchmarked organizations.

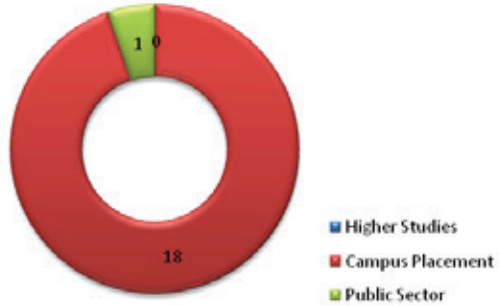
Year of Establishment 2002	Programme Master of Business Administration	Intake: 60
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## VISSION

To evolve as a center of excellence in Management imparting innovative education to develop transformational leaders and harnessing the best management practices to develop globally competitive managers with a concern for the society.

## MISSION

- M1:** To develop core competencies amongst students to enhance their employability.
- M2:** To nurture creativity and encourage entrepreneurship.
- M3:** To promote ethical and value-based learning to instill sensitivity towards the community and environment.



HIGHER STUDIES & PLACEMENT RECORD

## PROGRAM SPECIFIC OUTCOMES

- PSO 1:** The incumbent should have the ability to work in the field of Marketing and Sales, Financial decision making, Personnel Management, Operations, Project Management, and Entrepreneurship towards effective decision making in the context socio-economic environment of business to accept challenges and meet organizational goals.
- PSO 2:** The incumbent should have the responsibility of forecasting, budgeting, conducting market research and effective leadership in an organization.
- PSO 3:** The incumbent should bear the capability of qualifying national level competitive examinations in field of academic and research for career upliftment and employment having effective managerial skills.

# FACULTY MEMBERS

Faculty Name	Designation	Qualification
<b>Dr. Indranil Bandyopadhyay</b>	Professor & HOD	Ph.D
<b>Dr. Arunangshu Giri</b>	Associate Professor	Ph.D
<b>Mr. Adrinil Santra</b>	Assistant Professor	MBA
<b>Mr. Soumya Kanti Dhara</b>	Assistant Professor	MBA
<b>Ms. Dipanwita Chakrabarty</b>	Assistant Professor	MBA
<b>Ms. Wendrila Biswas</b>	Assistant Professor	MBA
<b>Mr. Manigrib Bag</b>	Assistant Professor	MBA, M. Phil.
<b>Dr. Debarun Chakraborty</b>	Assistant Professor	Ph.D
<b>Dr. Sourabh Bhattacharya</b>	Assistant Professor	Ph.D
<b>Dr. Soma Mishra</b>	Assistant Professor	Ph.D

## MAJOR LABORATORIES

- Computing Lab

## RESEARCH CAPABILITY

- |   |  |   |
|---|--|---|
| <input checked="" type="checkbox"/> Digital Marketing               | <input checked="" type="checkbox"/> Corporate Re-structuring     | <input checked="" type="checkbox"/> Talent Management               |
| <input checked="" type="checkbox"/> Advertising & Retail Management | <input checked="" type="checkbox"/> Banking & financial services | <input checked="" type="checkbox"/> Cross Cultural HRM              |
| <input checked="" type="checkbox"/> Services and B2B Marketing      | <input checked="" type="checkbox"/> Supply Chain Management      | <input checked="" type="checkbox"/> Entrepreneurship                |
| <input checked="" type="checkbox"/> Consumer Behavior               | <input checked="" type="checkbox"/> Business Analytics           | <input checked="" type="checkbox"/> Corporate Social Responsibility |
| <input checked="" type="checkbox"/> Rural Marketing                 | <input checked="" type="checkbox"/> Strategic HRM                |   |
| <input checked="" type="checkbox"/> Portfolio Optimization          | <input checked="" type="checkbox"/> Organizational Behavior      |   |

## DEPARTMENTAL LIBRARY

The department Library is having an assortment of total volume of 342 books (with 244 titles of different books) and 30 journals besides the central library facility.





School of Applied Science & Humanities established in the year 1996 and it constitutes with Physical Science Unit, Chemical Science Unit, Mathematical Science Unit & Humanities (English Language) Unit. The department serves all the twelve UG programs for first year courses, second to fourth year of some programs along with PG programs in the above mentioned four subjects.

The department plays the role to impart excellent quality education to future technocrats in the area of applied sciences to provide the basic tools of analysis as well as knowledge on which engineering is based. This department involved in fundamental and applied research to create innovative new idea which are then transferred to engineering disciplines to be classify, improved to address societal problem

Year of Establishment      1996

## VISSION

To achieve Centre of Excellence in the field of Science, Technology and Management Education for creating dynamic human resources of global standards with capabilities of accepting new challenges.

## MISSION

**M1:** To develop core competencies amongst studentsto enhance their employability.

**M2:** To nurture creativity and encourage entrepreneurship.

**M3:** To promote ethical and value-based learningto instill sensitivity towards the community and environment.

## MAJOR LABORATORIES

- Physics Lab. – 02,
- Chemistry Lab. – 02
- Advanced Optimization Lab. – 01
- Language Lab. - 01
- Advanced Material Synthesis Research Laboratory
- Thin Film Solar Cell Research Laboratory
- Advanced Chemical Synthesis Laboratory
- Corporate Social Responsibility

## DEPARTMENTAL LIBRARY

The Department Library is having an assortment of total 240Titlesand of 252 numbers of different books besides the central library facility.

## RESEARCH CAPABILITY

Research Facilities are in the following fields:

### Physical Science Unit:

- Synthesis of Nano-material and its Characterization
- Optoelectronic Material & Devices
- Green Technology for Non-Conventional Energy Source
- Optical Parallel Computation & Non-linear Optics

### Chemical Science Unit:

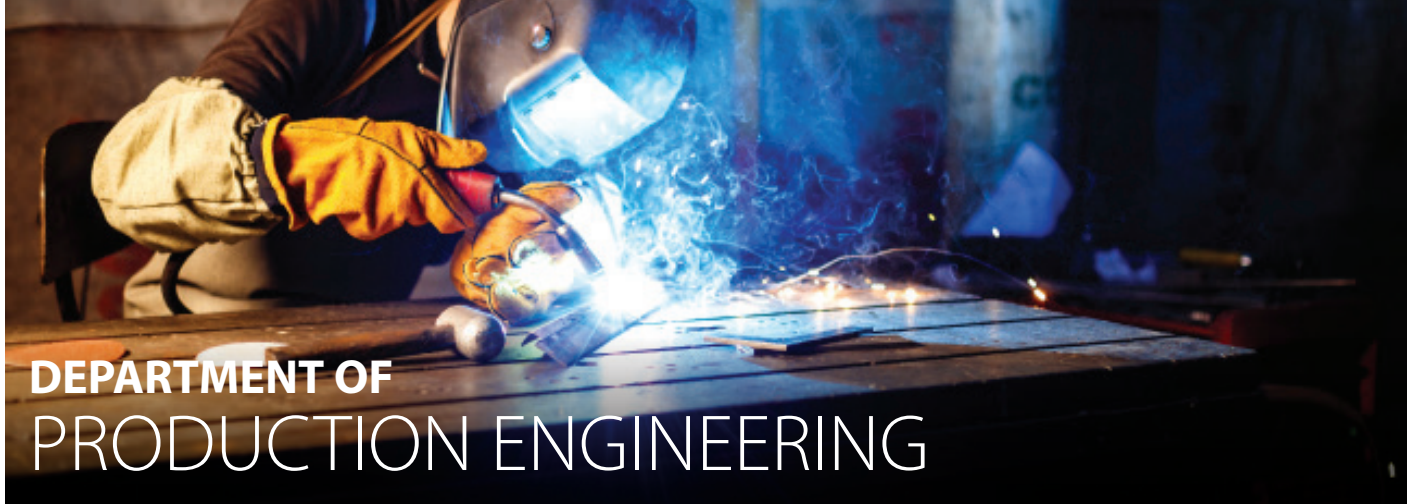
- Bio-inorganic Material Synthesis
- Organic synthesis and Molecular recognition
- Organometallics

### Mathematical Science Unit:

- Operations Research
- Solid Mechanics

## FACULTY MEMBERS

Name	Designation	Qualification	Area of Specialization
<b>Dr. Asit Baran Maity</b>	Professor & Dean	Ph.D.	Optoelectronics Materials and Devices
<b>Dr. Dipak Kr. Jana</b>	Professor & Head	Ph.D.	Soft Computing
<b>Dr. ParthaPratim Das</b>	Professor	Ph.D.	Optical Parallel Computation, Optics
<b>Dr. Rajesh Das</b>	Professor	Ph.D.	Thin Film, Solar Cell, Q-dot
<b>Dr. Shantanu Misra</b>	Assist. Prof.	Ph.D.	Nano Spinel Ferrites & Nano Zinc Oxide
<b>Dr. Rajib Kr. Dubey</b>	Assoc. Prof.	Ph.D.	Laser & Spectroscopy, Quantum Optics
<b>Dr. Arka Chaudhuri</b>	Assist. Prof.	Ph.D.	Experimental Condensed Matter Physics
<b>Dr. Soumitra Kar</b>	Assoc. Prof.	Ph.D.	Nano Science
<b>Dr. Suvankar Chakraborty</b>	Assist. Prof.	Ph.D.	Metal Oxide Semiconductor Devices
<b>Dr. Rakesh Das</b>	Assist. Prof.	Ph.D.	Condensed Matter Physics
<b>Dr. Momin Hossain Khan</b>	Assist. Prof.	Ph.D.	Experimental Condensed Matter Physics
<b>Dr. Dibyadyuti Pramanik</b>	Assist. Prof.	Ph.D.	Experimental Nuclear Physics
<b>Dr. Tanusri Dey</b>	Assist. Prof.	Ph.D.	X-Ray Crystallography
<b>Dr. Sibaprasad Maity</b>	Assoc. Prof.	Ph.D.	Molecular Recognition
<b>Dr. Gora Das</b>	Assist. Prof.	Ph.D.	Carbohydrate Chemistry
<b>Dr. Suparna Rana</b>	Assoc. Prof.	Ph.D.	Natural product Organic Chemistry
<b>Dr. Pijus K. Khatua</b>	Professor	Ph.D.	Surface Chemistry, Polymer Chemistry
<b>Dr. Gourisankar Roymahapatra</b>	Assoc. Prof.	Ph.D.	N-Heterocyclic Carben Chemistry
<b>Dr. Atanu Kuila</b>	Assist. Prof.	Ph.D.	Synthesis Properties of Graft Co-polymer
<b>Dr. Santanab Giri</b>	Assist. Prof.	Ph.D.	Density Functional Theory
<b>Mrs. Sarbari Samanta</b>	Assist. Prof.	M.Sc.	Operations Research
<b>Dr. Mihir Baran Bera</b>	Assoc. Prof.	Ph.D.	Thermo - elasticity
<b>Mr. Sumit Kr. Maity</b>	Assist. Prof.	M.Sc. M.Tech	Operations Research
<b>Dr. Anupam De</b>	Assist. Prof.	PhD	Biomathematics
<b>Mr. Chinmay Saha</b>	Assist. Prof.	M.Sc.	Applied Mathematics
<b>Ms. Somashri Karan</b>	Assist. Prof.	M.Sc.	Solid Mechanics
<b>Mr. Nabin Sen</b>	Assist. Prof.	M.Sc.	Operations Research (Inventory Control)
<b>Mrs. Sumana Mandal</b>	Assist. Prof.	M.Sc.	Boundary Layer Theory
<b>Dr. Shuvendu Chakraborty</b>	Assoc. Prof.	Ph.D.	Cosmology
<b>Dr. Manoj Kumar Mondal</b>	Assist. Prof.	Ph.D.	Applied Mathematics
<b>Dr. Prabir Panja</b>	Assist. Prof.	Ph.D.	Operations Research
<b>Dr. Biplab Sinha Mahapatra</b>	Assist. Prof.	Ph.D.	Reliability Evaluation by Fuzzy System
<b>Dr. Poulomi Bhattacharjee</b>	Assist. Prof.	Ph.D.	Indian English Literature
<b>Dr. Meenakshi Dey</b>	Assist. Prof.	Ph.D.	British Playwright – Horald Pinter's Plays
<b>Ms. Gouri Das</b>	Assist. Prof.	M.A.	Communicative and Indian English
<b>Dr. Priyanka Dey</b>	Assist. Prof.	Ph.D.	Stylistics (Linguistics & Literature)
<b>Dr. Saumya Bera</b>	Assist. Prof.	PhD	Existentialism & American Literature
<b>Ms. Jyoti Doley</b>	Assist. Prof.	M.A., M.Phil.	Problem of Identity in Diasporic Writings
<b>Mr. Biman Mondal</b>	Assist. Prof.	M.A.	American Literature
<b>Ms. Gargi Jana</b>	Assist. Prof.	M.A.	American English
<b>Ms. Nirmala Kaur</b>	Assist. Prof.	M.A.	American English



# DEPARTMENT OF PRODUCTION ENGINEERING

Production Engineering is unambiguously concerned with the optimal usage of man, machine, material, money and management to ascertain the productivity of system or service. Being germinated from mechanical engineering, it has established itself as an autonomous discipline to endow the managerial skills to the mechanical substrate. The prima facie objective of the department is to impart and inculcate quality education to envisage the everlasting sustenance in the global competitiveness.

Year of Establishment 2001	Programme B. Tech. in Production Engineering
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## VISSION

To establish the department as frontiers by offering quality education in proper perspective to accomplish diversified necessities in the field of Production Engineering Education, Research and Profession.

## MISSION

**M1:** The primafacie mission of the Department of Production Engineering is to produce excellent human resources poised with value and ethics with competence to fortify the societal needs by conglomerating the essence of applied sciences, engineering deftness and managerial skills.

**M2:** To instill the capability and sense to the students to contemplate with unique perspective to solve problems in pragmatic and innovative manner.

**M3:** To emphasize on areas such as professional and managerial skills, constant learning and contemporary issues to complement the technical aspects of the engineering course.

**M4:** To ensure combination of engineering and complementary course works in the curriculum so that Production Engineering graduates are wellformed, able to work effectively in team settings and able to adopt different work environments.

**M5:** To cultivate research work to get acquainted with the trends, advances and developments to have competitive edge over other.

## PROGRAM SPECIFIC OUTCOMES

**PSO 1:** The incumbent should have the ability to work on projects towards Production /Manufacturing systems by understanding design compatibility, technical feasibility and economic viability substrated with social, ethical and environmental issues to meet the mercurial needs of the industry and society at large.

**PSO2:** The incumbent should have the responsibility of optimum design, development and implement of solutions in the milieu of engineering management strategies, tools and software aids.

**PSO3:** The incumbent should be capable to uphold their existence by qualifying national level competitive examinations for further studies and augmented employment having instilled communication skills.

## FACULTY MEMBERS

Name	Designation	Qualification	Area of Specialization
<b>Dr. Bikash Bepari</b>	Professor & Head,	Ph. D.	Robotics & Mechatronics
<b>Dr. Bipradas Bairagi</b>	Assistant Professor	Ph, D.	Decision Support System
<b>Mr. Soumik Dutta</b>	Assistant Professor	M. Tech.	Design
<b>Mr. Abhijit Saha</b>	Assistant Professor	M. Tech.	Optimization
<b>Mr. Uttam Ghosh</b>	Assistant Professor	M. Tech.	Thermal Science
<b>Mr. Kunal Kumar</b>	Assistant Professor	M. Tech.	Material Science
<b>Mr. Kunal Banerjee</b>	Assistant Professor	M. Tech.	Material Science

## MAJOR LABORATORIES

- CAD/CAM Lab
- Dynamics Lab
- Welding Lab
- Strength of Materials Lab

## RESEARCH CAPABILITY

The department may be considered to be a place for research in the field of multi Criteria Decision Making of international stature. The CAD/CAM Laboratory was accolade by AICTE as A Grade Excellent laboratory which was initially funded by AICTE under MODROB Scheme. The centre is equipped with softwares like CATIA, QUEST, UGRIP, ANSYS, ADAMS, ESPRIT, AutoCAD inventor, Visual Nastrun, Automation Studio, Fluent, Systat, Lingo-Lindo etc.

## DEPARTMENTAL LIBRARY

The department Library is having an assortment of total 181 books with a volume of 139 numbers of different books and journals besides the central library facility.



# RESEARCH GRANTS FROM **GOVT. AGENCIES**

SL No.	Name of Project	Funding Agency	Approval No with date	Principal Investigator	Sanctioned Amount( Rs. In Lakh)	Dept. Involved	Current Status
1	Study on the synthesis and characterization of size tunable quantum dots for renewable energy applications	CSIR, Govt. of India	03(1262)12/EMR-II 06.11.2012	Dr. Rajesh Das	10.25	Applied Science	Completed/ Report yet to be submitted,
2	Synergic Use of Multi-Sensor Optical and SAR Remote Sensing for monitoring inventory based multi-scale REDD+MRV for Indian Forests	SERB, DST, Govt of India	PDF/2015/ 000043 12.05.2016	Dr. Abhisek Santra	17,53,619/-	CE	Ongoing 1st Inst: FY 2016-17: 7,20,000/-2nd ist, 2017-18: 73,619/-3rd Inst, FY 2017-18: 8,37,000/-
3	Investigation of the antimonic property of Sulfamethoxazole (SMX) group of drugs: Mechanistic actions and relevance as a lead anticancer compound	SERB, Govt of India	EMR/2016/0003657	Dr. Subhroma Gupta	36,09,400/-	BT	Ongoing 1st Inst, FY 2017-18: 18,13,133/-
4	Modeling Runoff Variability and predicted runoff condition of a semi-gauged river basin of Tropical India as a response to climate change and transformed Landuse Landcover LULC	SERB, Govt of India	EMR/2016/006380	Dr. Shreyashi Santra Mitra	37,13,600/-	CE	Ongoing 1st inst, FY 2017-18: 20,67,000/-
5	Development of low cost BWP and BWR grade resin adhesive for plywood with lingo-phenol-A partial substitute of Phenol and Urea + Particle Board Pressing Hydraulic Unit	Agarwal Chemicals, 40, Strand Road, Kolkata	Industrial Project	Dr. Pijus Kanti Khatua	8.10	AS	Ongoing
6	"modelling urban sprawl dynamics of howrah-kolkata urban agglomeration by semi-automated impervious feature extraction techniques using multi-sensor remotely sensed data	SCIENCE & ENGINEERING RESEARCH BOARD (SERB)	EMR/2017/002838 6th Feb, 2018	Dr. Abhisek Santra,	12.3 lakhs for first year only. Approx total amount Rs 25 lakhs	CE	Ongoing 1st Installment in FY 2018-19: Rs. 11,00,000/-
7	Theoretical Investigation on Magnetic All Metal and Organo-Zintl Clusters	DST, INSPIRE FACULTY SCHEME	C/3596/IFD/ 2014-15 Dated 25-09-2014	Dr. Santanab Giri,	35.0 Lakhs	SAS	Project Transferred to HIT on 15-3-2019 Rs 477846/- On 8-5-2019

8	Insights into the mechanism of chemical reactions: A conceptual density functional and ab-initio molecular dynamics study	DST-SERB	CS-001/2014 Dated on 13-03-2014	Dr. Santanab Giri,	20.03 Lakhs	SAS	Transferred to HIT (SB/FT/CS-002/2014) Rs 82843/- on 8-4-2019
9	MODROB	AICTE	9-80/RIFD/MODROB/ Policy-1/2017-18	Dr Siraj Dutta	Rs 19,41,000/-	BT	Rs15,52800 Dated 4/01/2019
10	Development of plant based assay system for primary screening of lead molecule(s) from medicinal plants of Nagaland	NER-BPMC, DBT	MAP/2017/7 Recommended for funding not yet sanctioned	Dr Siraj Dutta along with Dr. Mondal of Nagaland University	Proposed Budget" for NU: Rs 56 lakh For HIT: Rs 40 lakh	BT	Recommended not yet sanctioned

## RECENT CONSULTANCY PROJECTS

Sl. No.	Details of activities	Application made by	Collaboration with	Amt. involved
1	Development of roller ink for making plywood and block board .	Dr. Pijus Kanti Khatua, Associate Professor, Applied Science	M/s.Ranjan Engineering & Constructing Pvt. Ltd.,	Rs. 50,000/-.
2	Development of fire retardant and medium to high density jute-bamboo composite board.	Dr. Pijus Kanti Khatua, Associate Professor, Applied Science Dept	M/s. Excel Composites Pvt. Ltd., Kolkata,	Rs. 1,00,000/-,
3	Development of Fire retardant and Glossey Surface Composite Door and pannel,	Dr. Pijus Khatua, Associate Professor, Appl. Science.	M/s. TufWood. & accessories	Rs. 50,000/-,
4	GIS mapping of different sectors within the jurisdiction of Howrah Municipal Corporation (HMC)	Dr. Abhishek Santra, Associate Professor, Civil engineering Dept.	WBEIDC LTd. (Webel). Govt. of India,	Rs. 1,35,35,882/-
5	Assessment survey including non-destructive test and other relevant test of entire building for ascertaining structural stability.	Prof. Ajit Lal Guha, Professor, Civil Engineering & Head	ICA Eduskills Pvt. Limited, 27, Netaji Subhas Road, Kolkata- 700001	Rs. 40,000/-
6	Development of fire retardant fiber board, metal coating etc	Dr. Pijus Khatua, Associate Professor, Appl. Science.	Wasser PolymerPvt. Ltd., Kilkata 700037	Rs 20,00,000/-

Activity Points of each engineering student on category of Mandatory additional Requirement for earning B.Tech. degree of MAKAUT

The affiliating University has implemented the mandatory additional requirements for earning B.Tech. degree, under which, B.Tech. students have to earn mandatory Activity Points [beyond normal academic curricula] from the categories like, social works, research works, e-learning courses, cultural programme, activities in various students chapters/ professional societies, community services, and other various components. Break-up of activity points, as specified by the University, are mentioned below

Current Semester	Total duration for earning Activity points	Total minimum points to be earned during the full course
1st Semester	1st to 8th Semester	100
3rd Semester	3rd to 8th Semester	100
5th Semester	5th to 8th Semester	75

# PUBLICATION BY STUDENTS

- ✓ Argha Roy, Shyamali Guria Pradhan, Suman Halder, Sayani Banerjee, Sourav Mandal "Summarizing Opinions with Sentiment Analysis from Multiple Reviews on Travel Destinations," International Journal of Science and Engineering, IGI Global 9(2), Accepted, 2018.
- ✓ Palash Ray, Amitesh Anand, Ashwini Kumar, Mahuya Sasmal, "Web Based Health Monitoring and Surveillance System for Smart Home", International Journal of Synthetic Emotions (IJSE), (Accepted).
- ✓ Bikash Bepari, Ankit, "Concurrent parametric optimization of single pass end milling through GRA coupled with PSO for calmax-635 die steel", International Journal of Swarm Intelligence, Inderscience Publishers, 2017.
- ✓ Mr. Prashant Raj the student of 3rd year in the Dept of Information Technology is the student member in college tabloid "The HIT Times", second college tabloid in Eastern India after IIT(KGP) scholar's avenue. This tabloid includes the content of technological events, current emerging trend of technology, review of the cultural and sports events in college, literary articles either in vernacular and English. It

also includes section of graphics like cartoon and comics. Alumni section and festival coverage also presented in this tabloid. The Convener: Prof. Biswajit Mandal

- ✓ Mr. Nikhil Kumar and Mr. Akash Dhanuka the students of IT 3rd year published the article of Crypto currency and IOT respectively in the annual college magazine "ABINITIO". Editor of "ABINITIO": Prof Biswajit Mandal and Prof. Tirthadip Sinha.
- ✓ Soumen Paul, Omprakash Chakraborty, "Optimization of Berth Scheduling Problem using Genetic Algorithm", International Journal of Engineering Research & Technology (IJERT), 2016, vol 5, issue 9, 220-226.
- ✓ S. Datta, A. Roy (2019) "Biomimicry". Science reporter, 1:56-57.
- ✓ M. Mandal, A. Mukherjee, S. Gupta (2018) "New vista in Parkinson's disease treatment: Magic of nanotechnology". Journal of the Chemical Society, 95:997-1002.
- ✓ S. Goswami, M. Singh (2018) "Microwave mediated synthesis of Zinc oxide nanoparticles: a therapeutic approach against Malassezia species". DOI: 10.1049/iet-nbt.2018.0007.

# SEMINAR/ WORKSHOP/ CONF/STTP/SPD/CEP ORGANIZED

- ✓ Workshop on Android Application Development during Feb. 15 - 17, 2019.
- ✓ Workshop on AWS, GIT and Networking during Mar. 08 - 10, 2019.
- ✓ Workshop on IoT Using Raspberry Pi during Sept. 1 - 2, (Saturday & Sunday) 2018.
- ✓ Workshop on Linux during November 17 - 18, (Saturday & Sunday) 2018.
- ✓ Organized a Workshop on Machine Learning with Python (in association with Linux.com and lecture delivered by Mr Ashutosh Singh), March 23-25, 2018, under CSI HIT Student Branch
- ✓ Seminar on Artificial Intelligence and Deep Learning ((in association with Linux World Informatics, Jaipur ), March 17, 2018, under CSI HIT Student Branch
- ✓ Organized a Workshop on Linux, DevOps and Automation, February 10-11, 2018, under CSI HIT Student Branch.

- ✓ Organized CSI State-Student Convention-2017 on November 9, 2017.
- ✓ Organized a Workshop on C Programming on Linux Platform, October 14-15, 2017, under CSI HIT Branch.
- ✓ Organized a Workshop on Web Design, August 26-27, 2017, under CSI HIT Student Branch.
- ✓ Workshop on Big Data and Hadoop, during 3rd -05th March, 2017.
- ✓ International Conference on Mathematics and Computing (ICMC), during 17th - 21st January, 2017
- ✓ Organized One day Seminar on "Advanced Separation and Detection by Chromatographic and Spectroscopic Technique" funded by Agilent Technologies, AFST(I) Haldia Chapter on January 25, 2019
- ✓ Organized One day National Seminar on "Food Safety and Quality Management: Current Status, Limitation

- and Challenges (FSQM-2018)” funded by AFST(I) Haldia Chapter, Adani Wilmar, Sudha Dairy,Merlin Group, Keva Flavors in collaboration with Cotecna Inspection India Pvt. Ltd,
- ☑ AFST (I), Indian Chamber of Commerce on October 11, 2018
  - ☑ Organized One day awareness workshop on “FoSTaC and FSMS: ISO 22000:2018” in collaboration with Cotecna Inspection India Pvt. Ltd, on October 5, 2018
  - ☑ Organized One day awareness training workshop on “Laboratory safety practices: An integral part of GLP” in collaboration with Borosil Glass Works Limited on April 24, 2018.
  - ☑ ISRO sponsored Second International Conference on Communication, Devices & Computing (ICDC 2019) organized by ECE Dept on 14-15 March, 2019.
  - ☑ Winter School on Microcontroller & Embedded System January 29- February 4, 2019.
  - ☑ Two weeks workshop on Machine learning with Python was held from January 3-18, 2019
  - ☑ Technical quiz competition under the banner of IETE, 11th Feb, 2019.
  - ☑ One day Workshop is organized by ECE Dept with the support of Spoken-Tutorial Resource centre (STRC-HIT) on Jan 15, 2019.
  - ☑ Workshop organized by IEEE HIT student branch in collaboration with Electrical Engineering
  - ☑ Workshop on AUTONOMOUS ROBOTICS organized by Final year and pre-final year student IEEE HIT SB during 6th to 11th February 2018
  - ☑ IEEE-Conclave 2018 organized by IEEE HIT SB during 16th to 18th March 2018
  - ☑ Special talks delivered by Arijit Bhattacharya, Parveen Singhal and Prasenjit Nayek during 16th-18th March 2018
  - ☑ Workshop entitles “Armageddon V4.0” organized by IEEE HIT SB during 18th March 2018
  - ☑ Introductory workshop on Drone Making organized in collaboration with KASPEROB during 16th March 2018
  - ☑ Introductory workshop on Virtual Reality organized in collaboration with KASPEROB during 17th March 2018
  - ☑ Special Exhibition organized in collaboration with KASPEROB during 16th and 18th March 2018
  - ☑ Workshop entitles “Interagado 2018” organized by IEEE HIT SB during 1st and 2nd August 2018
  - ☑ Workshop on Pspice organized by Faculty members of EE Dept. HIT during 28th and 29th July 2018
  - ☑ Workshop on Matlab organized by Faculty members of EE Dept. HIT during 4th to 5th AUGUST 2018
  - ☑ Workshop on Circuitrix 1st- 4th organized by Final year and pre-final year student IEEE HIT SB during September 2018
  - ☑ Workshop on Digital Marketing in collaboration with ADMISURE during 1st-2nd November 2018
  - ☑ IC Engine, Vehicle Dynamics and Braking Systems of a Formula SAE Vehicle from 3rd September to 6th September 2018 at ME Dept of Haldia Institute of Technology.
  - ☑ One-day workshop on “Application of CAD and CAM in Industry” on 22nd March 2018
  - ☑ Workshop on Python and Machine Learning, March 2020
  - ☑ Workshop on IOT, January 2020
  - ☑ ISRO sponsored Second International Conference on Communication, Devices & Computing (ICDC 2019) organized by ECE Dept in 2019.
  - ☑ Winter School on Microcontroller & Embedded System, 2019.
  - ☑ Two weeks workshop on Machine learning with Python was held, 2019
  - ☑ Technical quiz competition under the banner of IETE, 2019.
  - ☑ Workshop is organized by ECE Dept with the support of Spoken-Tutorial Resource centre (STRC-HIT), 2019
  - ☑ Workshop on Networking using Linux during Nov. 09 - 10, 2019, under CSI HIT Student Branch.
  - ☑ Workshop on INTELOS during Feb. 01 - 02, 2020, under CSI HIT Student Branch.
  - ☑ Organized a Workshop on Web Development during Oct. 19 - 20, 2019, under CSI HIT Student Branch.
  - ☑ Organized a Workshop on Data Analysis with Python during Aug. 31 – Sept. 01, 2019, under CSI HIT Student Branch
  - ☑ Workshop on Android Application Development during Feb. 15 - 17, 2019.
  - ☑ Workshop on AWS, GIT and Networking during Mar. 08 - 10, 2019.

# DISTINGUISHED **ALUMNI**



**Dibyajyoti Dey**  
2006 Batch  
Working in MECON India Ltd.



**Sujash Biswas**  
2007 Batch  
MBA from IIM –Kolkata,  
Manager of Bharti Airtel



**Angikar Sarkar**  
2008 Batch  
Works at Lamar  
University, USA



**Kumar Awinash**  
2009 Batch  
Works BARC  
Maharashtra



**Arnab Dasgupta**  
2010 Batch  
Scientist at Institute of  
Plasma Research



**Debobrata Tiwary**  
2010 Batch  
Scientist at ISRO



**Arnab Majee**  
2011 Batch  
Doing Ph.D. at University  
of Massachusetts, Amherst



**Sukamal Bhagbati**  
2012 Batch  
Assistant Engineer at Haldia  
Development Authority



**Pratip Banerjee**  
2013 Batch  
Engineer at L&T ECC  
Division Kolkata



**Punit Kumar**  
2014 Batch  
Engineer at BARC



**Amit Kumar**  
2015 Batch  
Senior Lecturer in  
Mathematics at Fiitjee



**Joy Mukherjee**  
2016 Batch  
Engineer at Shapoorji Real  
Estate Limited



**Aditya Vijay**  
2017 Batch  
Presently working for Tech  
Mahindra



**Biplob Mondal**  
2017 Batch  
Presently working for  
Wipro



**Himangshu Shukla**  
2017 Batch  
Presently working for  
Infosys



**Keshri Kishore**  
2017 Batch  
Presently working for  
Infosys



**Nishant Singh**  
2017 Batch  
Presently working for  
Tech Mahindra



**Sandipan Roy**  
2017 Batch  
Presently working for  
Infosys



**Satish Kumar**  
2017 Batch  
Presently working for  
Tech Mahindra



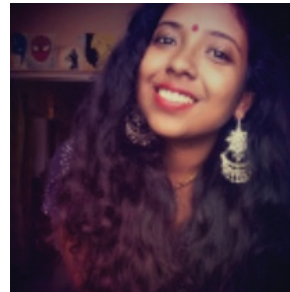
**Soham saha**  
2017 Batch  
Presently working for  
Infosys



**Srisha Roy**  
2017 Batch  
Presently working for  
Tech Mahin



**Sunny Singh**  
2017 Batch  
Presently working for  
Infosys



**Swaralipi Dey**  
2017 Batch  
Presently working for  
Tech Mahindra



**Sweta Paul**  
2017 Batch  
Presently working for  
Wipro



**Tuhin Dasgupta**  
2017 Batch  
Presently working for  
Wipro



**Abhishek Sangiri**  
2018 Batch  
Presently working for  
Wipro



**Sayan Paul**  
2018 Batch  
Presently working for  
Infosys



**Arnab Ghata**  
2018 Batch  
Presently working for  
TCS



**Gaurav Shandilya**  
2019 Batch  
Infosys



**Rajat Acharya**  
2019 Batch  
Wipro



**Arnab Samanta**  
2019 Batch  
Adani Willmar



**Sakshi Singh**  
2019 Batch  
TCS

# UNIVERSITY RESULT

Department	Year of Graduation	Total strength	DGPA ≥ 8.25	DGPA ≥ 7.5	DGPA ≥ 6.75
<b>APPLIED ELECTRONICS AND INSTRUMENTATION ENGINEERING</b>	2019	62	8	25	14
<b>BIOTECHNOLOGY</b>	2019	32	19	9	4
<b>CIVIL ENGINEERING</b>	2019	139	38	100	139
<b>CHEMICAL ENGINEERING</b>	2019	67	29	52	63
<b>COMPUTER SCIENCE &amp; ENGINEERING</b>	2019	139	41	91	131
<b>ELECTRONICS AND COMMUNICATION ENGINEERING</b>	2019	117	31	87	114
<b>ELECTRICAL ENGINEERING</b>	2019	142	33	87	125
<b>FOOD TECHNOLOGY</b>	2019	48	9	33	45
<b>INFORMATION TECHNOLOGY</b>	2019	61	15	43	58
<b>MECHANICAL ENGINEERING</b>	2019	144	40	97	137
<b>PRODUCTION ENGINEERING</b>	2019	54	8	31	52
<b>INSTRUMENTATION &amp; CONTROL ENGINEERING</b>	2019	57	8	35	51
<b>MANAGEMENT AND SOCIAL SCIENCE</b>	2019	34	2	14	29
<b>COMPUTER APPLICATIONS</b>	2020	29	19	10	0

## **APPLIED ELECTRONICS AND INSTRUMENTATION ENGINEERING**

Wipro(8), Infosys(9), TCS(2), CTS(3), Topcem(4), HPL(2), PCBL(2), Others(4)

## **BIOTECHNOLOGY**

Wipro(3), Infosys(4), Omics International(8), Amazon(3), Biocon-Biokart-Krish-Biotech(3), Nestle(1), Accenture-Regalix-Zifo- Rnd-Solutions(5),Others(7)

## **CIVIL ENGINEERING**

Simplex Infrastructures Ltd.(15),CE Testing STUP consultancy(4),Debtaru Construction(6),Bygging India Ltd. (8),Others (15)

## **CHEMICAL ENGINEERING**

WIPRO(6),HPL(2),Meghalaya Cement(5),CFIT.(1),Others(5)

## **COMPUTER SCIENCE & ENGINEERING**

Infosys(53),Wipro.(30),TCS(23), Flipkart.(6),IBM(6),CTS(5),Others(15)

## **ELECTRONICS AND COMMUNICATION ENGINEERING**

Infosys(41),TCS(26),Wipro(20),CTS(12),ABJOOBA(2),PRATAN(2),Others (12)

## **ELECTRICAL ENGINEERING**

Infosys(28),TCS(4),Wipro(7),CTS(6),Vedantu(4),Bugging India PVT Ltd(3)Adani(1),Wilmar(),Others(3)

## **FOOD TECHNOLOGY**

Varun Beverages(2),Infosys(2),Wipro(1),Adani Wilmar(1),Jubilant(1),Nestle(1), OMICS(1),Namo Balaji Foods(1)

## **INFORMATION TECHNOLOGY**

CTS(1), Infosys(23),TCS(9),Wipro(7),IBM.(2),Others (7)

## **MECHANICAL ENGINEERING**

Infosys(13), Bengal Energy(6), Topcem(5), CDE Asia(4), SHV Energy(4), Bengal Tools(3),Others(24)

## **PRODUCTION ENGINEERING**

Vedanta(5), Ajanta(4) , Wipro(2) , Infosys(2), Jubilant(1), Others (6)

## **INSTRUMENTATION & CONTROL ENGINEERING**

CTS(3),Infosys(8), TCS(6), others(20)

## **MANAGEMENT AND SOCIAL SCIENCE**

Apollo Pharmacy(2), Atlantis Technologies(6),Bengal Beverages(Coca Cola)(2), Bajaj Capital(7), Extramarks(2),Kinley(2) Others (6)

## **COMPUTER APPLICATIONS**

Infosys, TCS, CTS, APT Software, Third Eye, Jain Group, Connecting Dots, Ranstad, Paytm, Abzooba, VYRAJU Labs. And many more.

# ACHIEVEMENTS BY STUDENTS IN DIFFERENT EVENTS

SEMINAR, CONFERENCE, TECH –FEST, CULT-FEST, SPORTS MEET ETC.

- ☑ Ms. Punam Das of 2nd year B.Tech (CSE) Participated in the “TELOS 2018, Online Annual Technical Festival” organized by “MYWBUT.COM”.
- ☑ Ms. Nidhi Gandhi of 2nd year B.Tech (CSE) Participated in the “TELOS 2018, Online Annual Technical Festival” organized by “MYWBUT.COM”.
- ☑ Mr. Anish Kumar of 2nd year B.Tech (CSE) participated in “KSHITIJ 2018”, ORGANISED BY IIT, Kharagpur.
- ☑ Mr. Manish Yadav of 2nd Year(CSE) participated in “TELOS 2018”, ORGANISED BY MYWBUT.COM
- ☑ Mr. Chitrayan Ray of 2nd year(CSE) participated in “TELOS 2018”, ORGANISED BY MYWBUT.COM
- ☑ Mr. Rudra Pratap of 4th year CSE has participated in final round of Basketball tournament held at Academy of Technology, in 04/06/2018.
- ☑ Mr. Satyaki Mandal of 4th year CSE secured 1st position in FIFA 18 (Tech Fest, kritanj 2k18) at Narula Institute of Technology.
- ☑ Mr. Abid Anjum Ansari of 4th year CSE has qualified in Zonal Level Competition 2018 (East Zone), of DRUSE, conducted by DRDO.
- ☑ Students actively and successfully participated in various events of Prayukti 2018- Techno-management Extravaganza held at Haldia Institute of Technology.
- ☑ Ms. Ankita of 1st year won the 2nd prize in “O-ONE-YANTRIKI” event.
- ☑ Ms. Pallavi Kumari of 1st year won the 2nd prize in “O-ONE-YANTRIKI” event.
- ☑ Ms. Nimisha of 1st year won the 2nd prize in “O-ONE-YANTRIKI” event.
- ☑ Ms. Sonam Kumari of 1st year won the 2nd prize in “O-ONE-YANTRIKI” event.
- ☑ Mr. Saikat Mondal of 2nd year won the 2nd prize in “RANBHOO MI CS” event.
- ☑ Mr. Subhendu polley of 2nd year won the 2nd prize in “RANBHOO MI CS” event.
- ☑ Mr. Pritam Das of 2nd year won the 1st prize in “RANBHOO MI CS” event.
- ☑ Ms. Pooja Kumari of 2nd year won the 1st prize in “BRICKRAFT” event.
- ☑ Ms. Manika Baskey of 2nd year won the 1st prize in “MUSICALLY” event.
- ☑ Ms. Shreya Zamindar of 1st year won the 2nd prize in “MUSICALLY” event.
- ☑ Ms. Soumili Samanta of 1st year won the 3rd prize in “MUSICALLY” event.
- ☑ Ms. Aditi karmakar of 3rd year won the 1st prize in “ALOHA-MORA” event.
- ☑ Mr. Sourav Pandey of 3rd year won the 1st prize in “ALOHA-MORA” event.
- ☑ Mr. Rohan Kumar of 2nd year won the 2nd prize in “VIRAT- YANTRIKI” event.
- ☑ Mr. Rahul Ranjan of 2nd year won the 2nd prize in “VIRAT- YANTRIKI” event.
- ☑ Mr. Sanjay Kumar Gupta of 2nd year won the 2nd prize in “VIRAT- YANTRIKI” event.
- ☑ Mr. Sadab Athar of 2nd year won the 1st prize in “MANIA – C” event.
- ☑ Mr. Abhishek Anand of 2nd year won the 1st prize in “TRACK-O-BOT-YANTRIKI” event.
- ☑ Mr. Atanu Halder of 2nd year won the 3rd prize in “NFS- RANBHOO MI” event.
- ☑ Ms. Deepika Giri of 2nd year won the 3rd prize in “DIVE-BOMBER” event.
- ☑ Mr. Rahul Kumar of 2nd year won the 2nd prize in “HUMAN-FOOSBALL” event.
- ☑ Mr. Pritam Das of 2nd year won the 1st prize in “DeMovier” event.
- ☑ Mr. Souvik Kar of 4th year won the 1st prize in “DeMovier” event.
- ☑ Ms. Purabi Biswas of 4th year won the 1st prize in “DeMovier” event.
- ☑ Mr. Saikat Mondal of 2nd year won the 2nd prize in “DeMovier” event.
- ☑ Shubham Sourav of 2nd yr secured third position at Rocket Launcher of Anwasha 2018(Tech Fest IIT Patna).

- ✓ Mohammad Adnan of 3rd yr awarded a gold medal at Utkranti of IIT Kharagpur.
- ✓ Sukumar Sen of 2nd yr secured second position at Arm of achelous, KSHITIJ 2018, IIT Kharagpur.
- ✓ Dhiraj Raj Singh, Ashish Raj, Vishal Patel, Ayush Anand and Anubhav Kumar of 1st year qualified round 1 in Kshitij-Boeing aeromodelling competition of Prayukti 2019 of Haldia Institute of Technology.
- ✓ Dhiraj Raj Singh and Ashish Raj of 1st year won runners up prize as team Fluctus in Udaan of Prayukti 2019 of Haldia Institute of Technology.
- ✓ Ayush Anand Singh and Smriti Sinha of 1st year won third prize as team Helixones in Udaan of Prayukti 2019 of Haldia Institute of Technology.
- ✓ 15. Ashish Raj of 1st year qualified for round 2 in Aquadrift of Prayukti 2019 of Haldia Institute of Technology.
- ✓ Barnali Saha has won the 'Acharya P.C.Ray Memorial Award- Best Paper' award for her presentation on "Nanoencapsulation based approaches to enhance the therapeutic efficacy and bioavailability of polyphenols " in the Proceedings of International Seminar titled 'Recent Advances in Molecules & Materials (RA2M-2018)
- ✓ Rakibul Malida, Mahammad Sagar Khan, Debgopal Roy, Sayak Dutta have won the 'Acharya P.C.Ray Memorial Award- Best Poster' award for their presentation on "Development of Soya Milk based, Cardamom infused Yoghurt in Edible cups and Evaluation of its Storage Stability" in the Proceedings of International Seminar titled 'Recent Advances in Molecules & Materials (RA2M-2018)
- ✓ Rahul Maity and Swagata Karmakar stood First in Tech-Quiz organized by ISA & ISOI, 2019.
- ✓ Mr. Rahul Maity stood Second in Inter-ICARE Quiz competition in March, 2019.
- ✓ Ms Taniya Zafar secured Third position in 'Shotput Event' at Annual Sports 2019.
- ✓ Mr. Farhain Alam secured Third position in '800 meter race' at Annual Sports 2019.
- ✓ Mr. Sayak Dutta secured Third position in 'Indian Classical Dance' at Annual Cultural Meet 2018.
- ✓ Ms. Manami Sandel secured Third position in 'Indian Classical Dance' at Annual Cultural Meet
- ✓ 2018.
- ✓ Ankita Das, Saswati Santra, Riddhi Ghosh secured First position in 'D movier' event in Praykti 2k19
- ✓ Ankita Das, Saswati Santra, Riddhi Ghosh secured Third position in 'D constructor' event in Praykti 2k19
- ✓ Ankan Barman secured Second position in 'Requizzit' event in Prayukti 2k19.
- ✓ Ankita Das, Saswati Santra, Aindrilla Dutta, Poushali Sadhak secured Third position in Dive Bomber in Prayukti 2k19
- ✓ Sukanya, Hrithik Chowdhury, Priyanka Bhowmick, Sanjana Paul secured First position in Fortitudo 2.0 quiz competition, 2019.
- ✓ Ankan Barman secured First position in the Art completion of Splash2k19.
- ✓ Pallabi Samanta secured Second position in the Art completion of Splash 2k19.
- ✓ Mr. Rahul Maity stood First in Inter college Quiz competition during Vigilance Awareness Week organized by IOCL Haldia in October, 2018.
- ✓ Mr. Rahul Maity stood Third in the Quiz competition in the occasion of 23rd Foundation day of Haldia Institute of Technology in September, 2018.
- ✓ Isharia Akhter stood Second in "Robotics" in IEEE organised by Annual Cultural Meet 2018 organised by Haldia Institute of Technology, Haldia
- ✓ Manami Sandel secured Third position in Selfieology selfie and quiz competition organized by Admisure 2019.
- ✓ Sourav Ghosh, Sagar Dutta, Rituporno Roy, Santanu Das, Vishal Sarkar, Aurobindo Trivedi, Pawan Pathak, Surojit Bhowmick, Ribhu Samanta, Devesh Bhardwaj participated in Inter- departmental football tournament 2018, – in Oct, 2018 in the team of Food & Bio Technology and emerged as the Third Runner Up and received the 'Fairplay award' in Haldia Institute of Technology
- ✓ Kumar Das recognized as SHO-DAN (black belt) from Karate Association of India, recognised by Ministry of Youth Affairs And Sports, affiliated by Indian Olympic association, Asian Karate Federation, Commonwealth Karate Federation, World Karate Federation in July, 2018
- ✓ P. Gautam, S. Sipra, and R. P. Verma, 2nd year AEIE secured 2nd position in a competition on KSHITIJ-2018 (Arm of Achelous) at IIT Kharagpur.
- ✓ R. Kumar, 2nd year AEIE is holding the post of CAMPUS AMBASSADOR in an event TECHNEX'18-IIT-BHU.

- ✓ P. Malviya, R. P. Verma, A. Kumar and R. S. Roy, 2nd year AEIE won the 1st prize in event IEEE Conclave-2018 (Robo-War) of Haldia Institute of Technology.
- ✓ R. Ranjan, M. Mohan A. Kumar and A. Raj 2nd year AEIE secured 1st position in a competition on Prayukti-2018 (D-CONSTRUCTOR) of Haldia Institute of Technology.
- ✓ P. Kumar, S. K. Addi and R. Kumar, 2nd year AEIE won the 1st prize in event FUN From Junk Prayukti 2018 of Haldia Institute of Technology.
- ✓ R. P. Verma, R. Panda and M. Mohan, 2nd year AEIE won the 2nd prize in event Fun From Junk Prayukti 2018 of Haldia Institute of Technology.
- ✓ T. Anwar 2nd year AEIE secured 3rd position in a competition on PRAYUKTI (Dive Bomber) of Haldia Institute of Technology.
- ✓ S. Sipra and R. S. Roy, 2nd year AEIE won the 1st prize in event FUN FROM Junk Prayukti 2018 of Haldia Institute of Technology.
- ✓ R. P. Verma 2nd year AEIE secured 3rd position in a competition on PRAYUKTI (Human Foosball) of Haldia Institute of Technology.
- ✓ K. Parth, A. Kumar and R. P. Verma, 2nd year AEIE won the 3rd prize in event Prayukti (1-O-One) of Haldia Institute of Technology.
- ✓ R. S. Roy, A. Kumar and R. P. Verma, 2nd year AEIE won the 3rd prize in event PRAYUKTI (LAKSHYA) of Haldia Institute of Technology.
- ✓ R. P. Verma, 2nd year AEIE secured 1st position in Prototype Design Competition on Home & Industrial Automation at Haldia Institute of Technology.
- ✓ R. Kumar, K. Parth and S. K. Addi, 2nd year AEIE secured 1st position in Prototype Design Competition On Home & Industrial Automation at Haldia Institute of Technology.
- ✓ Prashant Raj, Ankit Anand, Shilpi Suman were placed 2nd position in "Anveshan" student Research Convention conducted by Association of Indian University in National Level competition of the subgroup of engineering and Technology, 2018
- ✓ Prashant Raj with other students on behalf of Haldia Institute of Technology were placed 3rd position in exhibition of innovation on National Science Day (University Level), held in Moulana Abul Kalam Azad University of Technology, 2019.
- ✓ Sohini Pattanayak was ranked 78 in the national event "TechGig Geek Godes" on the year 2018
- ✓ Mr. Prashant Raj of Dept of IT use to teach basics of Python, C, C++, Java and Bash to 1st and 2nd year students through the initiative of trainee Scholar programme of the "The HIT Times".
- ✓ Sauptik Dutta of 2nd year CHE own 2nd prize in poster presentation of "Prayukti Tech Fest" during 9th -11th April'2018.
- ✓ Samrat Routh of 2nd year CHE own 2nd prize in poster presentation of "Prayukti Tech Fest" during 9th -11th April'2018.
- ✓ Priya Jana of 2nd year CHE own 2nd prize in poster presentation of "Prayukti Tech Fest" during 9th -11th April'2018.
- ✓ Priyanka Ghosh of 2nd year CHE own 2nd prize in poster presentation of "Prayukti Tech Fest" during 9th -11th April'2018.
- ✓ Arghyadeep De, Siddhartha Sankar Boxi. Acharya P. C. Ray Memorial Award (Best Paper Award) in International Seminar on Recent Advances in Molecules & Materials (RA2M-2018). Haldia Institute of Technology, Haldia, West Bengal, 2-3 August, 2018.
- ✓ Shubham Pandey, Rituparna Sen, Sagar Kumar and Md. Afridi Ahmed of 2nd year CHE own 1st prize in Innovacion (Poster Presentation) of "Prayukti Tech Fest" during 25th -28th March'2019.
- ✓ Shubhadeep Dey of 2nd year CHE own 1st prize in the event CRESENT of "Prayukti Tech Fest" during 25th -28th March'2019.
- ✓ Powsali Sadhak of 2nd year CHE own 3rd prize in the event DIVE-BOMBER of "Prayukti Tech Fest" during 25th -28th March'2019.
- ✓ Danish Faraz Hussain of 2nd year CHE own 1st prize in the event HUMOUROUSLY of "Prayukti Tech Fest" during 25th -28th March'2019.
- ✓ Smriti Swarup Maity of 2nd year CHE own 2nd prize in the event REQUIZZIT of "Prayukti Tech Fest" during 25th -28th March'2019.
- ✓ Powsali Sadhak of 2nd year CHE own 3rd prize in the event DE-CONSTRUCTOR of "Prayukti Tech Fest" during 25th -28th March'2019.
- ✓ Department of Chemical Engineering won the 1st prize in the event of One Act Play competition, Annual Cultural Meet, 2018
- ✓ Nirmita Bera, 2nd year CHE student now, won the the Best Actress award in One Act Play Competition, Annual Cultural Meet, 2018
- ✓ Nirmita Bera, 2nd year CHE student now, won the 3rd Prize for Recitation in Annual Cultural Meet, 2018

- ✓ Sourabh Singha , 4th year CHE student now, won the 3rd Prize for Impromptu Acting in Annual Cultural Meet,2018
- ✓ Pritam Mondal, 2nd year CHE student now, won the 2nd Prize for Folk song in Annual Cultural Meet,2018
- ✓ Shubham Chandra, Ambrish Abhijan, Abhishek Kumar and Piyush Singh own Man of the Match award in Inter Department Cricket Tournament 2018.
- ✓ Rittik Kumar Jana (15/CHE/35) and Ashitosh Meshram (14/CHE/12) are from runners up team Phoenix in Basket Ball Tournament 2018.
- ✓ Department of Chemical Engineering own Intra College Football Championship – 2018
- ✓ Monitosh Das, Ashwin Pandey and Ambrish Abhijan own man of the match award in Inter College Football Tournament 2018.
- ✓ Ambrish Abhijan own highest goal scorer award in Inter College Football Tournament 2018.
- ✓ Arusharka Singha own emerging player award in Inter College Football Tournament 2018.
- ✓ Burunala Kisku own player of the tournament award in Inter College Football Tournament 2018.
- ✓ Ankita Kumari, 2nd year CHE student, won 3rd position in the event “Lift Off”, National Student’s Space Challenge 2018, IIT Kgp, in Oct’2018
- ✓ Ankita Kumari, Susmita Maiti and Trishita Bhattacharyee, 2nd year CHE student, won 2nd position in “Autonomous Robotics”, IEEE HIT Student Branch, Feb 2018.
- ✓ Rakhi Jha, 2nd year CHE student, won 3rd position in “Word War”, SRIJAN’18 (The Annual Socio-Cultural Fest),IIT(ISM) Dhanbad, March-April 2018.
- ✓ Poulami Hazra, 2nd year CHE student, won the event “Robotics (Manual)”, in The Tournament Reloaded 2018, Techno India, Feb 2018.
- ✓ 17. Nirmita Bera, 2nd year CHE student now, won the 3rd Prize for Recitation in ICARE Cultural Meet-2019 during 12th -14th March’2019.
- ✓ 18. Students from the Department of Chemical Engineering won the 1st prize in One Act Play competition of ICARE Cultural Meet-2019 during 12th -14th March’2019.
- ✓ 19. Anjali Sinha, 4th year CHE student won the the Best Direction Award in One Act Play Competition of ICARE Cultural Meet-2019 during 12th -14th March’2019.
- ✓ 20. Anjali Sinha, 4th year CHE student won the Best Actress award in One Act Play Competition of ICARE Cultural Meet-2019 during 12th -14th March’2019.
- ✓ 21. Rishab Kumar Gupta, 4th year CHE student won the 1st Prize in Quiz Competition of ICARE Cultural Meet-2019 during 12th -14th March’2019.
- ✓ Bhaswati Chakraborty has received the “Best Student Award” (from 2nd year) of the session 2017-2018 at Haldia Institute of Technology.
- ✓ Arushi Sinha has been awarded the “Best Student Award” (from 4th year) of the session 2017-2018 at Haldia Institute of Technology.
- ✓ Sujoy Rano final year student has received 1st runner up in the prestigious event “VOICE for BT” organized by KIT-Bhubaneswar sponsored by Novozymes on 4th January, 2019.
- ✓ Roshan Jaiswal awarded for “Summer Research Fellowship”, Indian Academy of Science and Research in 2019.
- ✓ Adrija Bose has received the first prize for Creative Writing (English), in Cultural Meet of 2018.
- ✓ Arnisha Roy, Anu Priya and Cherosree Dolui of B.Tech 2nd year received Word Wars in Srijan at IIT(IISM) Dhanbad on 2018.
- ✓ Bhaswati Chakraborty was the Campus Ambassador for Kshitij’18 and coordinated in the IEEE Conclave Tech-Art’2018.
- ✓ Ayan Maity got selected as the Campus Ambassador of Internshala for the year of 2018.
- ✓ Abhirup Dasgupta got first prize in Bengali Content Writing in Extravaganza- the annual mini techno-management fest organised by HITian Inside of 2018.
- ✓ Debanko Das received the second prize in La Photography in Prayukti, 2018.
- ✓ Adrija Bose and Akash Manna received the second prize in Demovier, in Prayukti 2018.
- ✓ Abhirup Dasgupta and Shinjini Brahma coordinated with the Graphic Designing Team of Prayukti’ 2018.
- ✓ Debajit Dhar presented poster in “Recent Advances in Molecules and Materials” 2018.
- ✓ Sourav Das achieved best poster award in “Recent Advances in Molecules and Materials” 2018.
- ✓ Tamalika Paul grabbed the Best Poster Award for

submitting a poster in Prayukti' 2018.

- ☑ Tamalika Paul, Bhaswati Chakraborty and Bipul Mandal was presented with the Merit Certificate in the event of power point presentation, pertaining to the subject of Biomimcry, in Kshitij'18- the annual techno-management fest of IIT KGP.
- ☑ Ayan Maity, Atisuya Mandal, Aditi Paladhi, Bhaswati Chakraborty, Awantika Prasad, Md. Kashif, Arnisha Roy and Sourav Das got the "Best Poster Award", for presenting posters in RA2M-2018.
- ☑ Bhaswati Chakraborty receiving "Best Student Award" (from 2nd year) of the session 2017-2018 at Haldia Institute of Technology
- ☑ Sujoy Rano final year student has awarded 1st runner up in the prestigious event "VOICE for BT" organized by KIT-Bhubaneswar sponsored by Novozymes on 4th January, 2019
- ☑ Ayush Kumar, Anand Kumar, Ujjwal Kumar and Karan Kumar contributed a model on Uses of waste plastic in paving blocks using different binding materials that yielded Intuitional 3rd prize at model competition organized by Maulana Abul Kalam Azad University of Technology (MAKAUT) on 28th Feb, 2019
- ☑ Rishu Kumar Jha, Vipul, Ritu Raj Robin and Shubhan Kumar Choudhary, 2nd Year CE students, won 1st Prize in engineering model presentation in National Seminar on Advancement in Civil Engineering Practice and Research (ACEPR-2018), organized by Dept. of Civil Engineering, Haldia Institute of Technology.
- ☑ Abhijit Boxi, Kaushik Maiti and Jagadish Manna, 4th Year CE students, won 2nd Prize in engineering model presentation in National Seminar on Advancement in Civil Engineering Practice and Research (ACEPR-2018), organized by Dept. of Civil Engineering, Haldia Institute of Technology
- ☑ Dipu Singh, Ashis Kumar, Ankush Kumar, Amit Kumar and Sudhanshu Chandra Raj, 3rd Year CE students, won 3rd Prize in engineering model presentation in National Seminar on Advancement in Civil Engineering Practice and Research (ACEPR-2018), organized by Dept. of Civil Engineering, Haldia Institute of Technology.
- ☑ Md. Shanbazz, Md. Wasim, Md. Farhan, Md.

Sayan Mozzam and Zeeshan 3rd Year CE students, won 1st Prize in engineering poster presentation in National Seminar on Advancement in Civil Engineering Practice and Research (ACEPR-2018), organized by Dept. of Civil Engineering, Haldia Institute of Technology.

- ☑ Kritika Pradhan, Kumari Ritambhara Singh, Chanchala Kumari, Ipshita Sinha and Md. Faisal Alam, 3rd Year CE students, won 2nd Prize in engineering poster presentation in National Seminar on Advancement in Civil Engineering Practice and Research (ACEPR-2018), organized by Dept. of Civil Engineering, Haldia Institute of Technology.
- ☑ Sweta Kumari won 1st prize in 100m race in the Inter-college competition organized by Techno India Salt Lake, Kolkata in 2017-18.
- ☑ Sweta Kumari, won 1st prize in Javelin throw in the Inter-college competition organized by Techno India Salt Lake, Kolkata in 2017-18.
- ☑ Sweta Kumari won 1st prize in Long Jump event in the Inter-college competition organized by Techno India Salt Lake, Kolkata in 2017-18.
- ☑ Sweta Kumari 4th year CE student, won 1st prize in High Jump event in the Inter-college competition organized by Techno India Salt Lake, Kolkata, 2017-18.
- ☑ Sweta Kumari 4th year CE student, won 2nd prize in Shot-put event in the Inter-college competition organized by Techno India Salt Lake, Kolkata, 2017-18.
- ☑ Md. Faisal Alam, won 3rd Prize in 100m race in the Inter-college competition organized by Techno India Salt Lake, Kolkata in 2017-18.
- ☑ Rafi Haider, won 1st Prize in Shot-put throw in the Inter-college competition organized by Techno India Salt Lake, Kolkata in 2017-18.
- ☑ Rafi Haider, won 2nd Prize in Javelin throw in the Inter-college competition organized by Techno India Salt Lake, Kolkata in 2017-18.
- ☑ Mr. Abhishek Agarwal of 3rd year, ME Dept. secured Second position in TT Tournament among 2nd years for academic session 2017-18.
- ☑ Md. Mozammil of 2nd year, ME Dept. secured Second

- position in TT Tournament among 3rd years for academic session 2017-18.
- ☑ Mr. Abhishek Kumar participated in 2nd International Conference on Communication, Devices and Computing (ICCDC 2019) at Haldia Institute of Technology during March 14-15, 2019. (NPTEL SPOC Workshop (East Zone) 2nd February, 2019)
  - ☑ Mr. Krishanu Sengupta of 3rd year Mechanical Engineering Department became the course topper in Metal Cutting and Machine Tool Conducted by IIT Kharagpur under the aegis of National Programme on Technology Enhanced Learning. (NPTEL SPOC Workshop (East Zone) 2nd February, 2019)
  - ☑ Mr. Manas Kumar Sahana of 3rd year Mechanical Engineering Department became the course topper in Engineering Metrology Conducted by IIT Kharagpur under the aegis of National Programme on Technology Enhanced Learning. (NPTEL SPOC Workshop (East Zone) 2nd February, 2019)
  - ☑ Mr. Raunak Rathore of 4th year Mechanical Engineering Department became the course topper in Non-conventional Energy Resources Conducted by IIT Kharagpur under the aegis of National Programme on Technology Enhanced Learning. (NPTEL SPOC Workshop (East Zone) 2nd February, 2019)
  - ☑ Mr. Shivnandan Kumar of 4th year Mechanical Engineering Department became the course topper in Developing Soft Skills and Personality Conducted by IIT Kharagpur under the aegis of National Programme on Technology Enhanced Learning. (NPTEL SPOC Workshop (East Zone) 2nd February, 2019).
  - ☑ Rohit Prem, Rishav Kumar and Shibodeep Banerjee of 3rd year Mechanical Engineering Department have participated "FORMULA BHARAT 2019" Kari Motor Speedway during 23-27th January, 2019.
  - ☑ Anup Naskar of 3rd year Mechanical Engineering Department have participated "BHARAT FORMULA KARTING" powered by CADD technologies held at Kari Motor Speedway during 2nd - 4th August, 2018.
  - ☑ Our students participated in the event 'Formula BHARAT 2017 -18' under the Faculty Co-ordinator Mr. Sanjoy Naskar, Department of Mechanical Engineering.
  - ☑ Our students participated in ANVESHAN -2018, organized by MAKAUT.
  - ☑ Our Student Prepared one Car Under GO – CART, they take this to national level Competition held in Indore and secured 11th position in it. 2nd year and 3rd year Mechanical Engineering student take active part in it.
  - ☑ Mr. S. Bhattacharya of 3rd yr won the academic Excellence award in the event "RETRACE 2019" at ALUMNI ASSOCIATION of Haldia Institute of Technology.
  - ☑ Mr. Y. Kumar of 2nd yr won the Excellence award for being the player of the winner team of Intra College Football Tournament.
  - ☑ This is manifested as the prestigious Tamalika Ponda Seth award has been achieved by departmental student (2016-20) batch among all the institute students of the same year.
  - ☑ In the "Voice of BT" organised by Novozyme India Pvt. Ltd. student from this branch (Batch 2015-2019) is awarded and got fellowship to work in the company.
  - ☑ Prestigious INSA summer research fellowship has been awarded by departmental student (2016-2020).
  - ☑ NPTEL topper (Batch 2016-2020) is offered fellowship to IIT KGP.
  - ☑ Mr. A. Kumar, Mr. A. Kumar, Mr. U. Kumar and Mr. K. Kumar contributed a model on Uses of waste plastic in paving blocks using different binding materials that yielded Intuition 3rd prize at "Model Competition" organized by Maulana Abul Kalam Azad University of Technology (MAKAUT) on 28th Feb, 2019.
  - ☑ Mr. Roshan Kumar Lohani of 3rd yr won the 1st prize in poster scientific session at 9th International Science Conference, 2020 held in joint collaboration of the world Science Congress and the Department of Chemistry, Jadavpur University, Kolkata.
  - ☑ Md Afridi Ahmed of 3rd yr won the 1st prize in poster scientific session at 9th International Science Conference, 2020 held in joint collaboration of the world Science Congress and the Department of Chemistry, Jadavpur University, Kolkata.
  - ☑ Mr. Ankan Roy Choudhary of 3rd yr won the 1st prize at IOCL Haldia in quiz based on vigilance awareness on 6th November, 2019.

- ☑ SWAYAM-NPTEL MOOCs TOPPERS (2019-2020): Harsh Raj(The Joy of Computing using Python); Hemant Kumar(Introduction to Machine Learning); Khagesh Kumar(The Joy of Computing using Python); Rahul Kumar Roy(Introduction to Programming in C); Saurav Kumar(Problem Solving through Programming in C); Shadab Athar(Programming in C++); Shreekant Singh(Problem Solving through Programming in C); Shreya Tiwari(Problem Solving through Programming in C); Shreya Tiwari(Problem Solving through Programming in C); Subham Kumar(Design and Analysis of Algorithms)
- ☑ Md.Faizan Reza 1st position in 'Power Lifting (93 Kg)' National Champion, 2019.
- ☑ SWAYAM-NPTEL MOOCs TOPPERS (2019-2020):
- ☑ ARUNJYOTI SHARMA(Developing Soft Skills and Personality); AYON BISWAS( Developing Soft Skills and Personality); RATNA GAURAV(The Joy of Computing using Python); SHRISHTI SARASWAT (Developing Soft Skills and Personality); SK NASER MAHAMMAD(Analog communication)
- ☑ Electrical Engineering Department is awarded as the "Best Department" in 2019. The award is received by Prof. (Dr.) Dilip Dey and final year student from Chairman of ICARE (Dr.) Lakshman Seth.
- ☑ Electrical Engineering Department was the
- ☑ Intra-Institute Cricket Champion for 2020.
- ☑ Electrical Engineering Department secured 1st position in "March Past" in 2020\
- ☑ Mr. Ravi Ranjan Kumar of EE dept secured 1st position in ROBOWAR held at SANDHAAN'19, BIT Sindri, Dhanbad, 2019.
- ☑ Ms. Komal Raj of EE Dept secured 1st position in "Long Jump for Girls" organized by Haldia Institute of Technology held in the academic session 2019-2020.
- ☑ Ms. Rishita Nandi of EE Dept secured 1st position in "Long Jump for Girls" organized by Haldia Institute of Technology held in the academic session 2019-2020.
- ☑ Sukanya, Hrithik Chowdhury, Priyanka Bhowmick, Sanjana Paul of 3rd year won the 1st prize in the Fortitudo 2.0 quiz competition, 2019.
- ☑ Anuradha Prasad (Batch: 2015-19) has received "SILVER" Medal for holding Second Position in Maulana Abul Kalam Azad University of Technology (MAKAUT).
- ☑ Barnali Saha (Batch: 2015-19) has received "BRONZE" Medal for holding Third Position in Maulana Abul Kalam Azad University of Technology (MAKAUT).
- ☑ Ankita Neogi (Batch: 2014-18) has received "GOLD" Medal for holding First Position in Maulana Abul Kalam Azad University of Technology (MAKAUT).
- ☑ Mr. U. Faisal and Mr. A. Ibrahim of 2nd yr won the 1st prize in the event "SAUDAGAR" (Business Plan) at Prayukti 2019-Techno-management Extravaganza of Haldia Institute of Technology.
- ☑ 1. Mr. U. Faisal and Mr. A. Ibrahim of 2nd yr won the 1st prize in the event "SAUDAGAR" (Business Plan) at Prayukti 2019-Techno-management Extravaganza of Haldia Institute of Technology.
- ☑ Mr. Md. Kamran Ashraf won 1st prize in the event "100 m race (Boys)" at HIT Annual Sports Meet 2019-20.
- ☑ Mrs. Anushka Shriyam won 1st prize in the event "100 m race (Girls)" at HIT Annual Sports Meet 2019-20.
- ☑ Mr. Md. Kamran Ashraf won 1st prize in the event "Javelin (Boys)" at HIT Annual Sports Meet 2019-20.
- ☑ Mrs. Mohini Singh won 1st prize in the event "Javelin (Girls)" at HIT Annual Sports Meet 2019-20
- ☑ Mr. Palash Kumar Mallik and Mr. Basudev Chakraborty of 2nd yr won the 2nd prize in the event "SAUDAGAR" (Business Plan) at Prayukti 2019-Techno-management Extravaganza of Haldia Institute of Technology.
- ☑ One day awareness workshop on "FoSTaC" for Final Year students and "ISO 22000:2018" for Third Year students conducted by Cotecna Inspection India Pvt. Ltd. on August 22, 2019.
- ☑ One day awareness workshop on "FoSTaC" for Final Year students and "FSMS" for Third Year students conducted by Cotecna Inspection India Pvt. Ltd. on October 5, 2018.
- ☑ One day awareness training workshop on Laboratory safety practices: An integral part of GLP conducted by Borosil Glass Works Ltd on April 24, 2018.
- ☑ One day awareness workshop on "FSMS ISO 22000:2005" for Final and Third Year students conducted by SGS India on September 15, 2017.

# TRAINING AND TESTING FACILITIES

- ☑ NPTEL (National Programme on Technology Enhanced Learning ) conducted by IIT Kharagpur
- ☑ Jointly conducted different summer training with various institutes/ organizations.
- ☑ Regular training on Python, Machine Learning and other emerging Technologies.

## STUDENTS CHAPTER

- ☑ The International Society of Automation (ISA)-2015  
10th Oct The International Society of Automation (ISA) is a society which serves automation professional around the world. Our department has opened a student chapter on 10th October, 2015, under the ISA Kolkata chapter. Many workshops and seminars has been organized jointly by the department and the ISA student chapter since 2015.
- ☑ Instrument Society of India (ISOI)-2018  
The Instrument society of India (ISOI) is a society of Instrumentation professionals established in the year 1970 with head quarters at Indian Institute of Science (IISc), Bangalore. Our department has an ISOI chapter under which various seminars, workshops has been conducted. The department has recently got approval from The Institution of Engineers, India to run the students chapter to prop up the professional activities.
- ☑ The department has recently got approval from The Institution of Engineers, India to run the students' chapter to prop up the professional activities.
- ☑ The department has student chapter from Indian Institute of Chemical Engineers, Haldia Regional centre (HRC, IChE) and The Institution of Engineers, India (IEI) to run the professional activities.
- ☑ The department has approval of CSI (Computer Society of India) Student Branch, India to run the students chapter to prop up the professional activities. Students taking part in organizing and attending various programmes, workshop under CSI HIT Student Branch.
- ☑ IETE Student Forum of Haldia Institute of Technology, Haldia.
- ☑ NPTEL Local Chapter, Haldia Institute of Technology, Haldia.
- ☑ Lab Migration Project of IIT Bombay (DSP Lab using Scilab).
- ☑ Spoken Tutorial Resource Center (STRC-HIT), Haldia Institute of Technology under Spoken Tutorial Project of IIT Bombay.
- ☑ Community Development Program incorporated in the Department (Mobile Repairing course).
- ☑ IEEE Student Branch of Haldia Institute of Technology, Haldia
- ☑ The Department of Food Technology has opened a new chapter of the prestigious Association of Food Scientists & Technologists (India)- AFST (I) named AFST(I) Haldia Chapter on September 18, 2018.
- ☑ The department has the ACM student since five years with the professional activities such as conducting workshop, technical seminar, conference that helps the exposure of technical skill and knowledge in various domain of IT fields.
- ☑ The department got approval from The SAE India and ISHRAE to run the students chapter to prop up the professional activities.
- ☑ The department has recently got approval from The Institution of Engineers, India to run the students chapter to prop up the professional activities.
- ☑ The department has approval of CSI (Computer Society of India) Student Branch, India to run the students chapter to prop up the professional activities. Students taking part in organizing and attending various programmes, workshop under CSI HIT Student Branch.

# STUDENTS TECHNOLOGY INITIATION

- ☑ Departmental Student's Technical Wall Magazine "ALOHA" is published annually which includes the technical achievement of the students along with photography, short story, poem etc. Many students of the Dept of Information Technology are the members in college tabloid "The HIT Times", second college tabloid in Eastern India after IIT(KGP) scholar's avenue. This tabloid includes the content of technological events, current emerging trend of technology, review of the cultural and sports events in college, literary articles either in vernacular and English. It also includes section of graphics like cartoon and comics. Alumni section and festival coverage also presented in this tabloid. The senior students of Dept of IT use to teach basics of Python, C, C++, Java and Bash to 1st and 2nd year students through the initiative of trainee Scholar programme of the "The HIT Times". The students of Dept of published the article of Crypto currency and IOT respectively in the annual college Magazine "ABINITIO". The students of the Dept of IT have many publications in the renowned International journals under the guidance of Departmental teachers. The students of Information Technology have developed many software application systems through their final year projects such as Departmental Library Management System, Development of Departmental Website, etc. The students of Dept of Information Technology are participating in Inter-Institute technical events in national level and placed in top positions for many times. A group three students achieved second position in "Anveshan" student Research Convention conducted by Association of Indian University in National Level competition of the subgroup of engineering and Technology through developing of Driver Monitoring System for four Wheelers using OPENCV. The student of Dept of Information Technology achieved 3rd position in Exhibition of Innovation on National Science Day (University Level), held in Moulana Abul Kalam Azad University of Technology, 2019.
- ☑ Haldia Institute of Technology (HIT) that participated in the Formula Student India Design Competition 2015 to be held in Coimbatore, Tamil Nadu from January 20 to 25, has aptly named its racing car Asphalt. In all, 44 teams are participating in Formula Student India Design Competition 2015. The competition challenges college students to make a Formula-styled racing car. During the design phase, students have to adhere to the competition rules created by SAE International. These rules encourage students to create more innovative



Department of Mechanical Engineering

- The students of MBA 1st year under the guidance of Prof. AdrinilSantra organized the "TOURISM FAIR" on 3rd of March 2020 and actively participated to represent the states ASSAM, GUJRAT, and KARNATAKA. This exhibition was to instill the real-life situation of a business among the students to foster their creativity and promote entrepreneurship development. designs and test their engineering skills with real world problems.



ASSAM

GUJRAT

KARNATAKA

## ACTIVITIES PERFORMED BY STUDENTS' WELFARE COMMITTEE 2018 – 2019

The Following table shows the different activities performed by the Student Welfare Committee

Sl. No	Name	Date
1.	Foundation Day	25-09-2018
2.	Inter College Quiz Competition organized by Kolkata port Trust,	31-10-2018
3.	Central Vigilance Awareness Week-2018 at IOCL Haldia	04-11-2018
4.	Central Vigilance Awareness Week-2018 at CPT Haldia	04-11-2018
6.	ANNUAL CULTURAL MEET 2018	04-10-2018 & 05-10-2018
7.	AUSPICIOUS PARADIGM 2019	24-04-2019
8.	RANG MILANTI 2019	11-04-2019
9.	PRAYUKTI 2019	25-03-2019- to 27-03-2019
10.	Riviera 2k19	27-03-2019 & 28-03-2019



# Annual CULTURAL MEET

Gone are the days when only academic programs were the sole activities organized in engineering colleges and all students focused on that. With the changing trend we have noticed a major difference in the field of academics too. Students don't want to be bookworms; they look for other options out of the box that could help them in the future. Besides, in this high tech world, it is crucial to acquire knowledge in every field to stay updated, and social and cultural events are the perfect way to explore a plethora of possibilities and experiences. The importance of social and cultural activities in engineering colleges is paramount. From preparing students for real

life to strengthening their personal skills, they not only help students to identify themselves with the university, but also assist students to develop themselves in a desired field and also improve skills such as organizational, presentation, leadership and interpersonal communication. Haldia Institute of Technology encourages all extra-curricular activities that are both in line with the educational objectives of the institution and also meet the needs of the students. With a glut of Social and cultural activities up its sleeve, Haldia Institute of Technology is the proud organizer of vastly coveted events like The Annual Cultural Meet, Prayukti, and Riviera.

## CREATIVE WRITING

Money is a good servant but a bad master and writing is talking through your fingers. Language is no barrier for the the words which flow eloquently from the tip of a pen. Held in 3 categories for 3 different languages, English, Hindi and Bengali, the event provided a platform for all amateur writers of our college. The talent which the event saw was immense. Each category was provided with two positions, winner and runner-up.

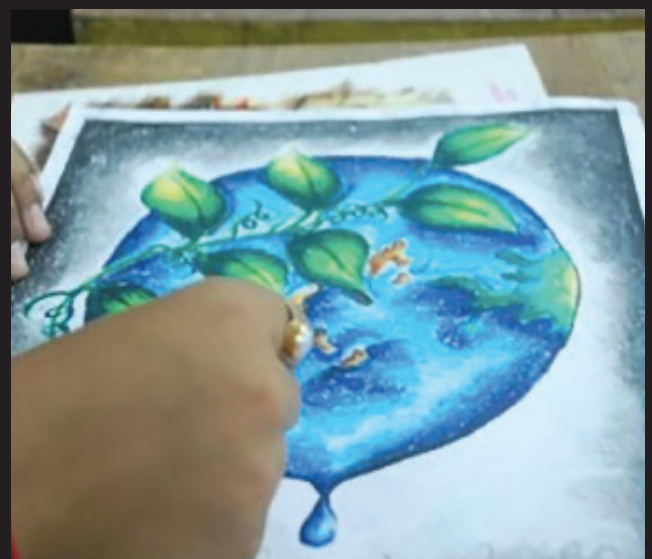


## EXTEMPORE

This is the event where the participants were given a topic and they need to share their thoughts related to that particular topic. The performances of most of the participants were outstanding while few were exceptionally good and cannot be expressed in words.

## THEME DRAWING

This event comprised of painting and sketching and portraying the theme in the form of art. The college has got a number of good artists who excellently portrayed their thoughts and our jury team decided to preserve some of the paintings for future to show the talents of students of our college. **Utsha Sur** of 1st year electrical engineering department secured





first position followed by **Debangi Chatterjee** of 1st year biotechnology engineering secured second position and **Jayeeta Barai** of 1st year biotechnology secured 3rd position.

## IMPROMPTU ACTING

This event provides the platform for all the participants to bring out the actors within them. The event comprised of a group of two who were given a situation which they have to enact before the viewers. The performances of all were good but some were awesome. **Gargi Das** and **Aditi Sengupta** both of 3th year secured the first position followed by Rasmeta Panda and **Suman Addi** both of of 3nd year secured the second position **Sourabh Singh** and **Indranil Choudhary** of 4th year secured 3rd position.



## RECITATION

The beauty of recitation lies in the words, in the expressions, in the modulation of voice and in believing what you say. While some had shortcomings, many reached the heights of the art of recitation excelling in it. The event showcased a number of talents competing in all three languages.

Winners:- **Trishita Manna** of Masters of Business Administration secured the 1st position followed by **Manjusha Barman** of Third year Computer science Engineering secured 2nd position and **Nirmita Bera** of Second Year Chemical Engineering department secured the third position.



## HINDI SONG

This event included the songs both sung in Bollywood films and albums. Haldia Institute of Technology is lucky that it has got numerous exceptionally talented singers. All the participants of this event gave a tough competition to each other leaving the judges in difficulty to choose the best performers. **Sourav Kumar Toni** of 4th year secured the first position followed by **Pramit Mukhopadhaya** of 3rd year secured the second position and **Kaushik Chakraborty** of 2nd year secured the third position.



## FOLK SONG

The folk music is diverse because of India's vast cultural diversity. It has many forms in different parts of our country as our country believes in unity in diversity. All the participants of folk song exceptionally sang well like a professional of them our very eminent jury members chose the best singers.

**Trishita Manna** of Second year Master of Business Administration secured the first position followed by **Pritam Mondal** of Third year chemical engineering secured second position and **Abhishek Kumar** of Second year Civil Engineering secured third position.



## RABINDRA SANGEET

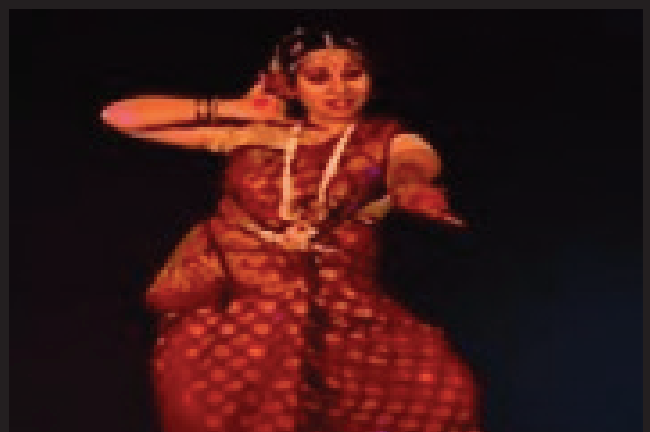
Rabindra sangeet is a different genre of songs that includes many unspoken emotions only though its lyrics composed by our Nobel Prize winner Rabindranath Thakur. The participants of this event gave their cent percent to portray their efficiency in singing songs of Rabindranath Thakur.

**Kaushik Chakraborty** of Second year Electrical Engineering secured the 1st position followed by **Prithvi Priya Ranjan** of First year Electrical Engineering secured 2nd position and **Trishita Manna** of Second year Masters of Business Administration department secured the third position.



## INDIAN CLASSICAL DANCE

This event was first time introduced in the HIT Annual Cultural Meet because Hit has a number of talented dancers who needed a platform to portray their talent in college. The event was a successful one with some outstanding performances. **Shweta Mondal** of 1st year electronics and communication engineering secured the first position followed by **Sayak Dutta** of 3rd year Food Technology department secured second position and **Mamami Sandel** of 2nd year Food Technology department secured the third position.





## PICTURE PERCEPTION AND DESCRIPTION TEST

Drama, romance, satire, horror; how you perceive the characters is the catch. The "picture perception" an event held on the very first day of Annual Cultural meet 2k18 witnessed colossal attention of the Hitians ready to step on the bridge of words and spin a tale of their own. An opportunity exclusively for HITians' ink which could help them in future competitive exams made the event a star in itself. All the participants had to do was add a pinch of salt to their imagination and serve it in a platter of words.



## ONE ACT PLAY

One Act play is one of the most important event of the mighty annual cultural meet held every year at our institution. This year it was held on 4th-5th October.

Briefing the event, a one act play has only one act that usually runs between 25-40 minutes as distinct from plays that occur over several acts. One-act plays may consist of one or more scenes. This year total 7 departments participated and showed their valour and acting instincts to make it to the final list. The most crowd cherished themes were that of social media, sect. 377 of LGBT community, old-age homes, patriotism and eve-teasing.



Every act showed the audience a face of the society that we prevail in and depicted a moral /life lesson at the end. It was a tough time for the judges to make out the winners as all the performances equally gathered huge applaud and standing ovations from student audience. But making it to the final list the 3 dept. that secured the positions are 1). Dept. Of Chemical Engineering, 2).Dept. of Applied Electronic and Instrumentation Engineering and 3).Dept. of Computer Science and Engineering respectively.



# GLIMPSES OF RIVIERA

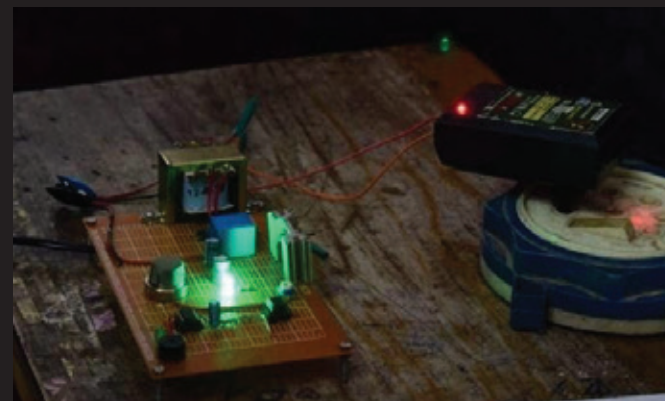




## PRAYUKTI

An Engineering college is incomplete without a tech fest and with a tech Fest as grand as Prayukti, Haldia Institute of technology proves to be apposite for the aspiring engineers. Prayukti creates the perfect platform for young brains to showcase their innovative and creative ideas and compete with their peers. This technical fest is an amalgamation of fun and learning where spectacular ideas are displayed, and students learn and feel inspired. The activities organized in Prayukti: HIT MUN, Aqua-Drift, Circuitrix, Crescent, Face painting, De-Movier,

De-constructor, Pradarshan, Requizzit, Mania C, Rhyme and reason, B- plan, Udaan, Fun from Junk, Dive-bomber, Lakshya, Track-o-bot, Humourously, La-photography, and Innovacion, encourage students to brainstorm and provide solutions, create artworks and technical wonders, thereby fortifying them with experiences that will effectively mould them for the future. These events guide engineers and researchers to dream bigger and achieve them. Fun events like Battle ground, PUBG, Alohamera, and FIFA make the heat of the day soar higher and higher.



# ANNUAL SPORTS

Sport can create hope, where once there was only despair. It is more powerful than governments in breaking down racial barriers. It laughs in the face of all types of discrimination.”— Nelson Mandela

For aeons, sports have united people, communities and nations. It has been one the most powerful entities in the development of civilizations, in a gazillion ways. It didn't just tether people from different walks of life together but also taught them; life is about the experience and not just the win. Sports have dexterously emblazoned the vitality of physical fitness and team-spirit to mankind. Therefore, now it is recognized as a salient medium for the overall

development of a person. Not only does it help in building the character and personality of a person but also it most certainly is an excellent tool to keep the body physically fit.

Sport is definitely the language of today's youth. Haldia Institute of Technology ardently believes in nurturing this language to ensure a holistic development of its students. Therefore with time, it has become a cradle of some of the best sports for girls and boys alike. Cricket, Football, Badminton, Tennis, Basketball and a plethora of other sports, practiced in various other events organized by the college, fortifies the physical and mental amelioration of its students.



# COMMUNITY DEVELOPMENT PROGRAMME

India is a vast country with a population of approximately 115 crore. 75% of India's population lives in about six lac villages. There is a visible difference in rural and urban, rich and poor, highly educated and lesser educated, forward and backward areas. While resourceful people, particularly those living in urban areas, have had access to better education and professional training, but vast majority of those who live in rural areas and slums are lesser educated and hardly undergo any technical, professional and vocational training. In fact, for most of such people, quality education and higher technical and professional education is unaffordable. In terms of career options, such lesser educated and not so fortunate people tend to work in low paid unorganized sector. Per person productivity of such persons works out to be a small fraction of productivity of those who work in organized sector of Indian economy.

In an increasingly competitive economic environment of our country, the unorganized sector, which is so important for the country, needs to increase the productivity of its manpower for its survival and growth. Yet another paradox before the Indian informal sector is that it cannot afford employing highly educated and professionally trained

manpower which usually aspires for highly challenging, rewarding and satisfying career. The only option available before the Indian informal sector is to depend upon relatively low paid manpower trained through non-formal system of skill development. There is, therefore, an urgent need to train millions of persons every year through a countrywide network of non-formal skill development. Such non-formal skill training should attract beneficiaries from all cross-sections of Indian society with special emphasis on SCs/STs, OBCs, women, school dropouts, minorities, physically disabled, economically weaker sections of the society and other under-privileged persons.

Under present circumstances it is our responsibility to uplift our locality through non-formal skill training. Our institute has initiated the community development programme for fulfilment of the need of the local community, dropouts of the society, minorities, physically disabled, economically weaker sections of the society and other under-privileged persons. At present, Haldia Institute of Technology conducts various short term courses under community development programme, as follows.

## SHORT TERM CERTIFICATE COURSE (6 MONTHS)

Fourteen(14) Short term courses(annexure 1),with a intake of 182 students, were started with a nominal fees for three month duration, later on it was extended to six-month on the demand of students.

## STATUS OF THE PROGRAM

Sl. No.	Name of the course	Name of the Counsellor	Department	No of Students admitted	Running Status of Programme
1	Welding	Satyajit Cheterjee, Ramoj Soren	PE, ME	52	YES
2	House Wiring	Sandip.Kr.Ojha	EE	16	YES
3	Computer Fundamental	Syamoli Guria & Somdutta Sinha	CSE, ECE		NA
4	Computer Hardware & Laptop Repairing	Md. Arif Ahmed & Somdutta Sinha	MCA, ECE	22	YES
5	Computer Aplication	Ramkrishna Ghose	IT	16	YES
6	Laboratory grad, Instrument Repairing	Rohan Mondal	EIE	22	YES
7	Mobile Phone repairing	Somdutta Sinha	ECE	19	YES
8	Surveying	Ajit Kumar Paria	CE	13	NO
9	Food Processing	Dr.Sumita Das	FT	2	No
10	Health and Pathology	Sudip Das	BT	..	NA
11	Machining	Ramoj Soren	ME	---	NA
12	Chemical Preparation	Sutopa Roy	CHE &AS	--	NA
13	Auto Cad	Ajit Kumar Paria	CE	41	Yes
14	Solar Cell	Sri Sudipta Bardhan	ICE	3	No
Total				196	

# DISTINGUISHED VISITORS



**Prof. Prabhat Ranjan**, Executive Director, TIFAC, DST, Govt. of India, visited during National Seminar NSNN 2017.



**Prof. Satish Kumar**, Director, NIT Kurukshetra, visited during National Seminar RA2M-2017



Dignitaries on the dais at International conference ICCDC 2019



**Prof. Parthasarathi Chakrabarti**, Director, IEST Shibpur, visited during International Conference ICCDC 2019



**Gyei-Kark PARK** from South Korea attended international conference ICITAM 2019

# INFORMATION FOR THE STUDENTS

## CLASS ATTENDANCE

STUDENTS WILL NOT BE ALLOWED TO APPEAR THE SEMESTER EXAMINATION IF THEIR REGULAR CLASS ATTENDANCE IS BELOW 75%, AS PER THE GUIDANCE OF **MAKAUT**.

## COUNSELLING SERVICE

The college has a counselling and guidance cell. Two counsellors are available round the clock for the students. The counselling cell provides guidance to the students (B.Tech., M.Tech., MCA and MBA) throughout their courses. The cell provides counselling service in small or large group in their regular schedule class. In addition, the students who need psychological, social, personal, and academic counselling are attended with extreme care on an individual basis.

## NAME OF STUDENT COUNSELLORS

### **Mrs. Mandira Chakraborty**

Counselor

Phone No.: 9874780925

### **Mrs. Sinchita Bhattacharya**

Counselor

Phone No.: 9432142393

## GRIEVANCE CELL (FOR STUDENTS)

### **Prof. (Dr.) Asit K. Saha**

Principal Chairman

Phone No. 9434453179

### **Mr. T. K. Ghosh Convener**

Phone No. 9474816988

## INTERNAL COMPLAINTS COMMITTEE

### **Prof. (Dr.) Suvroma Gupta**

HOD-BT Chairperson

Phone No. 9475116501

### **Ms. Meenakshi Dey**

Convener

Phone No. 9475095002

## INTERNAL QUALITY ASSURANCE CELL (IQAC)

### **Prof. (Dr.) M. N. Bandyopadhyay**

Director Chairman

Phone No. 8945523302

### **Prof. (Dr.) T. K. Jana**

Dean, School of Engineering Convener

Phone No. 9434102354

The prima facie concern of IQAC is to facilitate the creation of a learner-centric environment conducive for quality technical education and faculty maturation to adopt required knowledge and technology for participatory teaching and learning process of the Institute.

## SAFETY AND ENVIRONMENTAL POLICY

HIT recognizes the importance of safe working practices/ procedures as per standard norms/ requirements of Health and Safety Act. At futuristic level Safety, Health and Welfare are treated as important as the production of highly trained, and motivated young new engineers.



An Institute of



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