INSTITUTE ADDRESS
HALDIA INSTITUTE OF TECHNOLOGY
Knowledge city, HIT Campus, PO: HIT, Haldia,
Dist: Purba Medinipur.
West Bengal-721657, India
Phone: (03224) 252900/255616/252850
Fax: (03224) 253062
Email: admin@hithaldia.in, Website: hithaldia.in

Admission Helpline
03224-252900 / 255616 / 252850 / 252800
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 parent/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: DIRECTOR/PRINCIPAL
Convener: Prof. Soumen Paul, Head, IT
Phone No.: 9433966493

Joint Convener:
Prof. Siraj Datta, BT
Phone No.: 9474408858

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

Mr. Anjan Kundu,
Students Welfare Officer
Phone No.: 9434236248

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

OTHER COLLEGES UNDER ICARE
- Global Institute of Science and Technology
- Haldia Law College
- Vidyasagar Primary Teachers’ Training Institute
- Haldia Institute of Maritime Studies and Research (HIMSAR)
- Haldia Institute of Nursing Science
- Haldia Institute of Health Science
- Institute of Education, Haldia
- Haldia Institute of Management
- Haldia School of Languages
- Haldia Institute of Dental Sciences and Research
- ICARE Institute of Medical Science & Research & Dr. Bidhan Chandra Roy Hospital, Haldia
- ICARE School of Research & Development (ISRD)
- Haldia Institute of Pharmacy
- ICARE School of Skill Development
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.

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.
In the era of rapid rate of technological advancement and information revolution, we aspired and served two decades to build our youth for the development of the country. Our vision has always been searching inward, outward and upward. During the journey we always encouraged growth of the students by our patronage, criticism, sympathy, guidance. Haldia Institute of Technology with these initiatives becomes now a Centre for meaningful learning. Our entire team of faculty-members and staff-members are tuned towards the attitude of continuous improvement keeping the soul statement in mind that students will be the prime-movers of technology.

Apart from teaching-learning we have strong inheritance of research, patent, consultancy work, cohesive industry-institute partnership, collaborations with universities, journal, book publications and many more.

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.

I am privileged to express my heartfelt satisfaction over the publication of this prospectus for the Academic Year 2018-19. I believe, you would be able to get a glimpse of our activities in this brochure. We look forward to a relationship where the learning quotient rises above the mere imparting of academics knowledge to the education with excellence, attitudes, values, morals and skills for the good of humanity.

Dr. Lakshman Seth
Chairman, HIT

There are huge challenges in the global and highly competitive market of the present day. So we have to approach towards multidisciplinary research on Science, Engineering and Management. Our aim should be to bring out the research talent and the works done by scientists, academia, engineers, practitioners, scholars, post graduate students of engineering and management so that fellow researchers can get benefit from the research done. Both the Institute and Industry should work together for the betterment of the society. We should spend time with the corporate world to customize our education to their needs, thus creating value for both our students and the corporate, we can move towards consistent achievement from the point of view of our placements. Education is the discipline for the adventure of life, so we have to face challenges of varying degree and nature. But those challenges will inspire us for greater achievement. The mark of any institute lies in the quality of values it delivers to the society. We look forward to being recognized as one of the premier engineering institutes worldwide.

Our main aim is to create future leaders who manage and create powerful organizations in the emerging corporate landscape. Various pedagogic tools help our students to develop not only in a holistic business perspective but also towards an ability to seize opportunities in a competitive business market.

Over the years, our system has evolved to reach and hold a unique position of pride in the technical education system in our country. As of now, HIT has 15 academic departments. We are running at present 12 undergraduate courses and 7 post graduate courses under Maulana Abul Kalam Azad University (formerly known as West Bengal University of Technology). At present we have a total student strength of about 4423, faculty strength of about 245 and non-teaching staff including laboratory staff of about 214. The faculty members of the institute are encouraged to undertake sponsored project and industrial consultancy.

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

May God bless all of you.

Prof. (Dr.) M.N. Bandyopadhyay
Director, Haldia Institute of Technology
Ex. Director, NIT, Kurukshetra &
Ex. Director, NIT, Calicut, Ex. HAG SCALE Professor of Electrical Engineering of NIT, Hamirpur
It is my pleasure and honour to welcome you to Haldia Institute of Technology (HIT).

HIT is the first self-financing Institute located in the most vibrant 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 presently, running twelve 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.

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

The HIT student learns subjects across departmental boundaries and excels in extracurricular activities. The mix of technology and management skills that a HITian possesses makes him an invaluable asset to any organization he works for. 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. It is also imperative that the ideas, concepts, and prototypes of our students are being recognized globally even by MIT, USA.

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. Time to time it is also organizing Seminars and Workshops of National and International standards for updating and sharing its knowledge.

Most of the programs of the HIT are accredited by NBA. Apart from this, the Institute has also been accredited by NAAC with "A" Grade having CGPA 3.31. The Institute was also a recipient of TQIP Phase-I, a world bank funded initiative of MHRD, Government of India, for enhancing teaching and learning quality of the Institute and also listed under Section 2(f) and 12(B) of UGC Act.

I look forward to seeing you enjoying your study here and your dream fulfilled.

Prof. (Dr.) Asit K. Saha
Principal, HIT
<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Name of the Members</th>
<th>Background</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Lakshman Seth</td>
<td>Chairman, ICARE (Educationist)</td>
<td>Chairman</td>
</tr>
<tr>
<td>2</td>
<td>Sri Sayantan Seth</td>
<td>(Nominee of the Society) Educationist</td>
<td>Vice Chairman</td>
</tr>
<tr>
<td>3</td>
<td>Sri Asish Lahiri</td>
<td>(Nominee of the Society) Educationist</td>
<td>Secretary</td>
</tr>
<tr>
<td>4</td>
<td>Dr. Arunabha Mishra</td>
<td>(Nominee of the Society) Educationist</td>
<td>Member</td>
</tr>
<tr>
<td>5</td>
<td>Sri Bimal Kr. Maji</td>
<td>(Nominee of the Society) Educationist</td>
<td>Member</td>
</tr>
<tr>
<td>6</td>
<td>Regional Officer</td>
<td>(Ex Officio)</td>
<td>Member</td>
</tr>
<tr>
<td>7</td>
<td>Prof. Gautam Mazumder</td>
<td>Nominee of AICTE (Educationist / Technologist)</td>
<td>Member</td>
</tr>
<tr>
<td>8</td>
<td>Prof. Asokendu Sengupta</td>
<td>Nominee of the Affiliating University (Educationist)</td>
<td>Member</td>
</tr>
<tr>
<td>9</td>
<td>The Director of Technical Education</td>
<td>(Ex-Officio) Nominee of the State Govt.</td>
<td>Member</td>
</tr>
<tr>
<td>10</td>
<td>Nominee from the State Government</td>
<td>Industrialist/Educationist / Technologist</td>
<td>Member</td>
</tr>
<tr>
<td>11</td>
<td>Prof. Astit Baran Maiti</td>
<td>Nominee from Faculty Members</td>
<td>Member</td>
</tr>
<tr>
<td>12</td>
<td>Prof. Susmit Maiti</td>
<td>Nominee from Faculty Members</td>
<td>Member</td>
</tr>
<tr>
<td>13</td>
<td>Prof. Astit Kumar Saha</td>
<td>(Nominee of the Society) Educationist</td>
<td>Member</td>
</tr>
<tr>
<td>14</td>
<td>Prof. M. N. Bandyopadhyay</td>
<td>Director Haldia Institute of Technology</td>
<td>Invitee Member</td>
</tr>
<tr>
<td>15</td>
<td>Prof. B. B. Paia</td>
<td>Former Director, Haldia Institute of Technology</td>
<td>Invitee Member</td>
</tr>
<tr>
<td>16</td>
<td>Sri Subhas Roy</td>
<td>Educationist and Management Consultant</td>
<td>Invitee Member</td>
</tr>
<tr>
<td>17</td>
<td>Dr. Anjan Mishra</td>
<td>Registrar, Haldia Institute of Technology</td>
<td>Invitee Member</td>
</tr>
<tr>
<td>18</td>
<td>Sri Sudipta Kumar Basu</td>
<td>Finance Manager, Haldia Institute of Technology</td>
<td>Invitee Member</td>
</tr>
</tbody>
</table>
DEANS OF SCHOOLS/SECTIONS

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Prof. (Dr.) Asit Baran Maity</td>
<td>Dean, School of Applied Science &amp; Humanities</td>
</tr>
<tr>
<td>2</td>
<td>Prof. (Dr.) Tarun Kanti Jana</td>
<td>Dean, School of Engineering</td>
</tr>
<tr>
<td>3</td>
<td>Prof. (Dr.) Debasis Giri</td>
<td>Dean, School of Electronics, Computer Science &amp; Informatics</td>
</tr>
<tr>
<td>4</td>
<td>Prof. (Dr.) Radharan Das</td>
<td>Dean, School of Chemical, Food &amp; Biotechnology</td>
</tr>
<tr>
<td>5</td>
<td>Prof. (Dr.) Bikash Bepari</td>
<td>Dean, Students Welfare</td>
</tr>
</tbody>
</table>

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, Mitsubishi Chemical Corporation, Tata Chemicals, IVL Dhunseri Petrochem Industries Private Ltd., Electrosteel Castings Ltd., Tata Steel Ltd., Indian Oil PETRONAS Pvt Ltd., Hirannwsh Energy Ltd., Haldia Dock Complex and many more.

The Institute is well connected to Kolkata and Kharagpur by Railways and National Highways.
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 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 and Cricket and a Basketball Courtyard.
- Modern multi-facility Gymnasium is housed for the regular physical exercises.
- Classrooms are at par with modern standards and provided with overhead and 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 fabricating research equipment.
- The Institute is proud of Aryabhatta 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 Counselors 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.

CAMPUS FACILITIES AT A GLANCE

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 89784 general books, Book bank books, and books from TEQIP of the World Bank Fund. It subscribes 102 print journals, 10 databases of e-resource journals i.e Science direct, J-GATE(Engineering), I-J-GATE(Management), IEEE, Proquest (Management), 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 15,000 e-books 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.

Our Institute also provides Book Bank scheme allowing each student to borrow 5/6 text books for the entire semester. Students belongings 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. e-books, LR, video lectures, WIBUT 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.
**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."

**Counseling Service**

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

**Name of Student Counselors**

<table>
<thead>
<tr>
<th>Name</th>
<th>Phone No.</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mrs. Mandra Chakraborty</td>
<td>9874789025</td>
<td>Counselor</td>
</tr>
<tr>
<td>Mrs. Srinchita Bhattacharya</td>
<td>943212393</td>
<td>Counselor</td>
</tr>
</tbody>
</table>

**Grievance Cell (For Students)**

<table>
<thead>
<tr>
<th>Name</th>
<th>Phone No.</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. (Dr.) Asit K. Saha, Principal</td>
<td>9434453379</td>
<td>Chairman</td>
</tr>
<tr>
<td>Mr. T. K. Ghosh</td>
<td>9474816988</td>
<td>Convener</td>
</tr>
</tbody>
</table>

**Internal Complaints Committee**

<table>
<thead>
<tr>
<th>Name</th>
<th>Phone No.</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. (Dr.) Suprarna Gupta, HOD-BT</td>
<td>9475116501</td>
<td>Chairperson</td>
</tr>
<tr>
<td>Ms. Meenakshi Dey</td>
<td>9475095002</td>
<td>Convener</td>
</tr>
</tbody>
</table>

**Internal Quality Assurance Cell (IQAC)**

<table>
<thead>
<tr>
<th>Name</th>
<th>Phone No.</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. (Dr.) M. N. Bandopadhyay, Director</td>
<td>8945523802</td>
<td>Chairperson</td>
</tr>
<tr>
<td>Prof. (Dr.) T. K. Jana, Dean, School of Engineering</td>
<td>9434102354</td>
<td>Convener</td>
</tr>
</tbody>
</table>

The prima facce 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.

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**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.

**COURSES OFFERED**

<table>
<thead>
<tr>
<th>UG COURSES</th>
<th>Disciplines</th>
<th>Intake</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Electronics &amp; Instrumentation Engineering</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>Biotechnology</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>Chemical Engineering</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>120</td>
<td></td>
</tr>
<tr>
<td>Computer Science &amp; Engineering</td>
<td>120</td>
<td></td>
</tr>
<tr>
<td>Electronics &amp; Communication Engineering</td>
<td>120</td>
<td></td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>120</td>
<td></td>
</tr>
<tr>
<td>Food Technology</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>Information Technology</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>Instrumentation &amp; Control Engineering</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>120</td>
<td></td>
</tr>
<tr>
<td>Production Engineering</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>Total Undergraduate Intake</td>
<td>1020</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PG COURSES</th>
<th>Disciplines</th>
<th>Intake</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Tech in Biotechnology</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>M. Tech in Chemical Engineering</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>M. Tech in Computer Science &amp; Engineering</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>M. Tech in Electronics &amp; Communication Engineering</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>Master of Business Administration</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>Master of Computer Application</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>Total Post Graduate Intake</td>
<td>210</td>
<td></td>
</tr>
</tbody>
</table>

*Besides, the Institute has been also approved by AICTE for admission of students under PIO/En/Sea/Quota/OIC for academic year 2018-19 for all the UG Courses (15% of the above mentioned Intake).
ACTIVITIES OF TRAINING & PLACEMENT CELL

PLACEMENT RECORD

<table>
<thead>
<tr>
<th>Year</th>
<th>No. of Eligible Students</th>
<th>No. of Company Visited</th>
<th>Students Placed (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015-16</td>
<td>748</td>
<td>119</td>
<td>82</td>
</tr>
<tr>
<td>2016-17</td>
<td>941</td>
<td>133</td>
<td>70</td>
</tr>
<tr>
<td>2017-18</td>
<td>853</td>
<td>137</td>
<td>72</td>
</tr>
</tbody>
</table>

As on 30.5.2018

OUR MAJOR RECRUITERS

PLACEMENT STATUS 2017-18

- **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, MCCIPTI, ESCIL, IDPL, Adani Group, Aegis Logistics, Praxair, Petro Carbon, Burn Standard, GPT, Dee Power, SAIL, NTPC, WBPCCL, BSNL, DCPL, HCL, DPL, Chittaranjan Locomotive, PWDC, 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 seminars conducted by industry-eminent personnel. Through this interactive session, students are benefiting from new upcoming ideas in industry.

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

- **Counseling**: The cell extends personal and group counseling to students in career selection and motivation. Personal care is taken to attain every individual's problems.

T & P Cell also nominated few faculty members to participate at TalentNext training program Conducted by Wipro.

TalentNext Digital Skills Readiness Program, 7th to 18th May, 2018
Wipro Limited, Electronic City, Bangalore

- 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, MCCIPTI, ESCIL, IDPL, Adani Group, Aegis Logistics, Praxair, Petro Carbon, Burn Standard, GPT, Dee Power, SAIL, NTPC, WBPCCL, BSNL, DCPL, HCL, DPL, Chittaranjan Locomotive, PWDC, GPT etc.

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- Industry-students interaction: The Training and Placement Cell initiates different seminars conducted by industry-eminent personnel. Through this interactive session, students are benefiting from new upcoming ideas in industry.

- Placement: The cell has a good track record for providing opportunities to the students for employment. The cell also maintains liaison with various industries and corporate establishments for placements of students. Every year new industries are always appended to the list. Feedbacks are obtained from employers on a regular basis which helps the present students to enhance their strike rate during the 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.

- Counseling: The cell extends personal and group counseling to students in career selection and motivation. Personal care is taken to attain every individual's problems.
### FREQUENT RECRUITERS (DEPARTMENT WISE)

<table>
<thead>
<tr>
<th>Department</th>
<th>Companies</th>
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</thead>
<tbody>
<tr>
<td>Sl. No.</td>
<td>Collaboration Type</td>
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<tr>
<td>1</td>
<td>MOU</td>
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<td>2</td>
<td>MOU</td>
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<td>3</td>
<td>Empanelment</td>
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<td>Panel Partner</td>
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<td>Empanelment</td>
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<tr>
<td>14</td>
<td>Community Agreement</td>
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<td>15</td>
<td>Lincon University College Malaysia</td>
</tr>
</tbody>
</table>

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 upgradation, mock interviews, online aptitude & technical test and personality development too.
MISSION

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 works 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 staffs, 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 2017” at Charnock City, Salt Lake on 5th May, 2017 and also the 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 2017” at Charnock City, Salt Lake on 5th May, 2017 and also the annual alumnim meet “PHIRE DEKHA” at our beautiful Institute campus.

VISION


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 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

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 Defence, Govt. of INDIA [Batch of 2004,CSE]
- Mr. Manas Kumar Kalsa, Manager, Cognizant Technology Solutions [Batch of 2003,CSE]
- 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. Indranil Kar, Assistant professor, Dept. of Electrical Engineering, IIT Guwahati. [Batch 2000, EIE]
- Dr. Arpita Patra, Assistant Professor, Dept. of Computer Science and Engineering, IIIT Bangalore [Batch of 2004,CSE]
- Mr. Ritwik Nanda, Advisory Consultant (Lenevo), North Carolina Area. [2000 batch, CHE]
The Department of Applied Electronics and Instrumentation Engineering was established, with objectives like, providing education and training facilities, to carry out application oriented research and to develop the students as per the Industry requirement.

Year of Establishment: 1996

PROGRAMME EDUCATIONAL OBJECTIVES

PEO1: To impart technical competency, knowledge, skill which ensure capability to solve problems in Industry, Research and Academics related to Instrumentation Engineering & other related disciplines.

PEO2: To prepare the students to work effectively in various national or international public and private sector organizations.

PEO3: To frame the mindset to enhance technical knowledge through lifelong learning may be in the structured or in the unstructured way. To impart the attributes towards successful adaptation to technological & cultural changes.

PEO4: To add the capability to work as an individual or as a member of a team or as a team leader.

PEO5: To fulfill the needs of society through their acquired attributes in ethical & responsible manner.

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’-à-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

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Faculty Name</th>
<th>Designation</th>
<th>Qualification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Uday Maji</td>
<td>Associate Professor &amp; Head</td>
<td>Ph.D.</td>
</tr>
<tr>
<td>2</td>
<td>Mr. Debattista Ghosh</td>
<td>Associate Professor &amp; In-charge Corporate Relations</td>
<td>M.Tech.</td>
</tr>
<tr>
<td>3</td>
<td>Mrs. Madhumita Das</td>
<td>Assistant Professor</td>
<td>M. Tech. (Ph.D. pursuing)</td>
</tr>
<tr>
<td>4</td>
<td>Mr. Asim Halder</td>
<td>Assistant Professor</td>
<td>M. Tech. (Ph.D. pursuing)</td>
</tr>
<tr>
<td>5</td>
<td>Mr. Priyanon Das</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>6</td>
<td>Mrs. Moumita Sahoo</td>
<td>Assistant Professor</td>
<td>M. Tech.(PhD pursuing)</td>
</tr>
<tr>
<td>7</td>
<td>Mr. Rohan Mandal</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>8</td>
<td>Mr. Soumya Roy</td>
<td>Assistant Professor</td>
<td>M. Tech. (Ph.D pursuing)</td>
</tr>
<tr>
<td>9</td>
<td>Mr. Somak Karan</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>10</td>
<td>Mrs. Ishita Maiti</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
</tbody>
</table>

MAJOR LABORATORIES

- Sensors & Transducers Lab
- Electronic Measurement Lab
- Industrial Instrumentation Lab
- Microprocessor & Microcontroller Lab
- Process Control Lab
- Remote Control & Telemetry 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 systems, power electronics, robotics and automation, embedded systems applications in control, Microelectronics and VLSI design, sensor design etc.

DEPARTMENTAL LIBRARY

An enriched departmental library has been developed by the help of Central library of the Institute and faculty members of the Dept. of Applied Electronics and Instrumentation Engineering with 764 Book Titles and 1206 Volumes.
The Department trains students keeping in mind the requirements of industries, where the pivot of concentration shifts from KNOWLEDGE to its APPLICATION, from theoretical details to a vast inter-disciplinary arena encompassing Bioinstrumentation; Bioinformatics; Biochemical Engineering etc. The Students are given special 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 and Intake
B. Tech in Biotechnology
Current Intake: 60
M. Tech in Biotechnology
Current Intake: 18

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs):

PEO 1: Creating sound knowledge base of Biotechnology: To imbibe and inculcate the basic foundation of Biotechnology among students so that they can excel in esteemed academic institutes, various public and private sector organizations with professional competence, technical knowledge and analytical skill.

PEO 2: Power to work in multidisciplinary arena bridging the gap between knowledge and application: To train the students for attainment of multidisciplinary technical skills, intellectual capability with exposure to modern technologies to serve as an individual or as a team leader empowered with effective communication apt for industry and research & development sectors.

PEO 3: Competence to provide service to the nation as well as society: To fulfill the needs of society solving technical, medical, agricultural and environmental problems using biotechnological principles, tools and practices in an ethical and responsible manner.

PROGRAM SPECIFIC OUTCOMES:

PSO 1: An ability to understand the basic concepts in several fields of Biotechnology and applying them in various fields namely Biochemical Engineering, Medical Technology, Agricultural Engineering, Environmental Engineering and Information Technology, etc.

PSO 2: An ability to conceptualize the theoretical knowledge with practical experience coming up with innovative ideas to solve certain complex biological problems using analytical skills and modern tools in the most effective manner.

PSO 3: An ability to build up a successful career compatible with real world work application ingrained with ethical awareness and responsibility for developing as a working professional or a self-sustaining entrepreneur.

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### FACULTY MEMBERS

<table>
<thead>
<tr>
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<th>Faculty Name</th>
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<tbody>
<tr>
<td>1</td>
<td>Dr. Suvroma Gupta</td>
<td>Professor &amp; Head</td>
<td>Ph.D.</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Siraj Datta</td>
<td>Professor</td>
<td>Ph.D.</td>
</tr>
<tr>
<td>3</td>
<td>Dr. Sudip Das</td>
<td>Associate Professor</td>
<td>Ph.D.</td>
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<tr>
<td>4</td>
<td>Dr. Keya Sau</td>
<td>Associate Professor</td>
<td>Ph.D.</td>
</tr>
<tr>
<td>5</td>
<td>Dr. Mukesh Singh</td>
<td>Associate Professor</td>
<td>Ph.D.</td>
</tr>
<tr>
<td>6</td>
<td>Mrs. Swati Maiti</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>7</td>
<td>Dr. Sucheta Das Maji</td>
<td>Assistant Professor</td>
<td>Ph.D.</td>
</tr>
<tr>
<td>8</td>
<td>Dr. Shamba Chatterjee</td>
<td>Assistant Professor</td>
<td>Ph.D.</td>
</tr>
<tr>
<td>9</td>
<td>Mr. Tilak Raj Malty</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>10</td>
<td>Ms. Ahan Bhaduri</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>11</td>
<td>Mr. Subhasish Dutta</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
</tbody>
</table>

### MAJOR LABORATORIES

- Animal Cell Culture Lab
- Microbiology Lab
- Molecular Biology Lab
- rDNA Technology Lab
- Plant Biotechnology Lab
- Bioinformatics Technology Lab
- Fermentation Technology Lab
- Biochemistry Lab.
- Central Instrumentation Room
- Other facilities: 40C Cold Room, Dark

### RESEARCH CAPABILITY

- Microbial Biodiversity & Bioinvasion
- 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
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 & 2017. 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.

Year of Establishment: 1996
Programme and Intake
B. Tech. in Chemical Engineering
Current Intake: 60
M. Tech. in Chemical Engineering
Current intake: 18

PROGRAMME EDUCATIONAL OBJECTIVES :

PEO 1: To produce graduates with a strong foundation and understanding of the fundamental principles of science and engineering enabling graduates to pursue their careers as practicing chemical engineers in Chemical and Allied Engineering Industries.

PEO 2: To produce graduates who are prepared to pursue their post-graduation and research in the emerging and allied areas of Chemical Engineering.

PEO 3: To provide students with opportunities to integrate with multidisciplinary teams to develop skills with professional integrity and ethics to assume professional leadership roles and administrative positions.

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

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<tr>
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<tbody>
<tr>
<td>1</td>
<td>Dr. A. K. Saha</td>
<td>Professor &amp; Principal</td>
<td>Ph.D.</td>
</tr>
<tr>
<td>2</td>
<td>Dr. R. Das</td>
<td>Professor and Dean</td>
<td>Ph. D &amp; Post Doc. (Italy)</td>
</tr>
<tr>
<td>3</td>
<td>Dr. T. K. Manna</td>
<td>Professor and Head</td>
<td>Ph.D.</td>
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<tr>
<td>4</td>
<td>Dr. S. B. Kuila</td>
<td>Professor</td>
<td>Ph.D.</td>
</tr>
<tr>
<td>5</td>
<td>Dr. R. N. Jana</td>
<td>Associate Professor</td>
<td>Ph. D &amp; Post- Doc (USA, Korea)</td>
</tr>
<tr>
<td>6</td>
<td>Dr. S. J. Sahu</td>
<td>Associate Professor</td>
<td>Ph. D.</td>
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<tr>
<td>7</td>
<td>Dr. B. Mandal</td>
<td>Associate Professor</td>
<td>Ph.D.</td>
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<tr>
<td>8</td>
<td>Mrs. S. Roy</td>
<td>Assistant Professor</td>
<td>M. ChE.</td>
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<tr>
<td>9</td>
<td>Ms. K. Rana</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
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<tr>
<td>10</td>
<td>Mrs. S. Samanta</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
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<tr>
<td>11</td>
<td>Dr. Barnali Bez</td>
<td>Assistant Professor</td>
<td>Ph.D.</td>
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<tr>
<td>12</td>
<td>Dr. Lipika Das</td>
<td>Assistant Professor</td>
<td>Ph.D.</td>
</tr>
<tr>
<td>13</td>
<td>Mrs. Tanushree Ghosh</td>
<td>Assistant Professor</td>
<td>M. ChE.</td>
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<tr>
<td>14</td>
<td>Dr. S.S.Boxi</td>
<td>Assistant Professor</td>
<td>Ph.D.</td>
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</table>

MAJOR LABORATORIES

- Fluid Mechanics Lab
- Heat Transfer Lab
- Energy Lab
- Analytical Lab.
- Mechanical Operation Lab
- Chemistry Lab
- Mass Transfer Lab

- Reaction Engineering Lab
- Numerical methods and Computation Lab
- Process control Lab.
- Research Lab.
- Environmental Engineering Lab Room
RESEARCH CAPABILITY AND FACILITIES

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 equipments 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.

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.

The B. Tech program is designed to produce competent engineers who can contribute effectively to the advancement of civil engineering courses and take care of the needs of the community. The objective is to provide students with skills and practical experience to fulfill professional duties and responsibilities and to foster teamwork, ethics, technical leadership, business acumen and lifelong learning.

Year of Establishment: 2005
Program and Intake:
B. Tech. in Civil Engineering
Current intake: 120

PROGRAMME EDUCATIONAL OBJECTIVES:

PEO 1: To provide technical knowledge, skill and competence to identify, comprehend and solve problem in industry, research and academics related to Civil Engineering and related disciplines.

PEO 2: To train students through the synergetic approach of theory and practical courses towards helping those students for seeking positions in the job market appropriate to their level.

PEO 3: To foster students ethically in understanding the societal responsibilities.

PROGRAM SPECIFIC OUTCOMES:

PSO1: The serving should have the ability to work on projects towards civil construction and planning by understanding design compatibility, technical feasibility and economic viability substrated with social, ethical and environmental issues to meet the concurrent demands of the industry and society at large.

PSO2: The serving 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 serving should be capable to advocate their existence by qualifying national level competitive examinations for further studies and expand employment opportunities.
FACULTY MEMBERS

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<tbody>
<tr>
<td>1</td>
<td>Mr. Naval Kishor Yadav</td>
<td>Associate Professor &amp; Head</td>
<td>M.Sc.</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Ajit Lal Guha</td>
<td>Professor</td>
<td>Ph. D</td>
</tr>
<tr>
<td>3</td>
<td>Dr. Abhisek Santra</td>
<td>Associate Professor</td>
<td>Ph.D.</td>
</tr>
<tr>
<td>4</td>
<td>Mrs. Bijoli Mondal</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>5</td>
<td>Mr. Abhishek Naskar</td>
<td>Assistant Professor</td>
<td>M. E.</td>
</tr>
<tr>
<td>6</td>
<td>Mr. Avik Sahoo</td>
<td>Assistant Professor</td>
<td>M. E.</td>
</tr>
<tr>
<td>7</td>
<td>Mr. Ajit Kumar Paria</td>
<td>Assistant Professor</td>
<td>M. E.</td>
</tr>
<tr>
<td>8</td>
<td>Mr. Kausik Bera</td>
<td>Assistant Professor</td>
<td>M. E.</td>
</tr>
<tr>
<td>9</td>
<td>Mr. Bimalendu Mandal</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>10</td>
<td>Miss. Satabdi Poddar</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>11</td>
<td>Dr. Shreyashi Santra Mitra</td>
<td>Assistant Professor</td>
<td>Ph.D.</td>
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<tr>
<td>12</td>
<td>Mr. Debarsi Das</td>
<td>Assistant Professor</td>
<td>M. E.</td>
</tr>
<tr>
<td>13</td>
<td>Mr. Nilanjan Poddar</td>
<td>Assistant Professor</td>
<td>M. E.</td>
</tr>
<tr>
<td>14</td>
<td>Mr. Saikat Panja</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>15</td>
<td>Mr. Saikat Shome</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>16</td>
<td>Mr. Souvik Das</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>17</td>
<td>Mrs. Yellanchi Deepali</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>18</td>
<td>Mrs. Sangita Das Mandal</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
</tbody>
</table>

MAJOR LABORATORIES

- Civil Engineering Lab
- Soil Mechanics Lab
- Surveying
- Highway Engineering
- Environmental Engineering
- Computer Lab
- Fluid Mechanics
- Geology Lab
- Geo-informatics Lab

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

DEPARTMENTAL LIBRARY:
The departmental library is enriched with 503 titles of text books and reference books. The total volume of books is around 766.
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
Program and Intake
B. Tech. in Computer Science and Engineering
Current intake: 120
M. Tech. in Computer Science and Engineering
Current intake: 18

PROGRAMME EDUCATIONAL OBJECTIVES:

PEO-1: To provide students with a strong foundation in applied science and Computer Science & Engineering fundamentals necessary to analyze the requirements of the software, understand the technical specifications, design and create innovative computing products and solutions for real life problems.

PEO-2: To provide exposure to emerging technologies, adequate training and opportunities to work as teams on multidisciplinary projects with effective communication skills and leadership qualities.

PEO-3: To prepare the students for a successful professional career as engineer, scientist, teacher, technocrat, administrator or an entrepreneur and work with values & social concern bridging the digital divide and meeting the requirements of Indian and multinational companies.

PROGRAMME SPECIFIC OBJECTIVE:

PSO-1: Apply the knowledge of mathematical models in algorithm design, computer organization, networking etc. to solve complexities involved in efficient computing in engineering discipline.

PSO-2: Ensure programming and documentation skills to analyze, design, develop and implement software based projects using C, C++, Java, DBMS, Web Technology and open source software either independently or in teams so as to attain a common specific objective.

PSO-3: Ensure employability and career development skills through industry oriented mini and major projects, internship, seminar, workshop for their life-long learning and develop awareness of professional, social, legal and ethical responsibilities.

FACULTY MEMBERS

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Faculty Name</th>
<th>Designation</th>
<th>Qualification</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Debasis Giri</td>
<td>Professor &amp; Dean</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Subhankar Joardar</td>
<td>Associate Professor &amp; Head</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>3</td>
<td>Mr. Tarun Kumar Ghosh</td>
<td>Associate Professor</td>
<td>M. E. (Ph.D. pursuing)</td>
</tr>
<tr>
<td>4</td>
<td>Dr. Subrata Dutta</td>
<td>Associate Professor</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>5</td>
<td>Mr. Subhabrata Barman</td>
<td>Assistant Professor</td>
<td>M. Tech</td>
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<tr>
<td>6</td>
<td>Mr. Palash Roy</td>
<td>Assistant Professor</td>
<td>M. E.</td>
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<tr>
<td>7</td>
<td>Mr. Sourav Mondal</td>
<td>Assistant Professor</td>
<td>M. E (Ph.D pursuing)</td>
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<tr>
<td>8</td>
<td>Mrs. Shyamali Guria</td>
<td>Assistant Professor</td>
<td>M. Tech</td>
</tr>
<tr>
<td>9</td>
<td>Mrs. Gitika Maity</td>
<td>Assistant Professor</td>
<td>M. Tech</td>
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<tr>
<td>10</td>
<td>Mrs. Mahuya Sasmal</td>
<td>Assistant Professor</td>
<td>M. E.</td>
</tr>
<tr>
<td>11</td>
<td>Mrs. Patrali Pradhan</td>
<td>Assistant Professor</td>
<td>M. Tech. (Ph.D. pursuing)</td>
</tr>
<tr>
<td>12</td>
<td>Mr. Arindam Giri</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>13</td>
<td>Mr. Sabyasachi Pramanik</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>14</td>
<td>Mrs. Jayeeta Majumder</td>
<td>Assistant Professor</td>
<td>M. Tech. (Ph.D. pursuing)</td>
</tr>
<tr>
<td>15</td>
<td>Mrs. Sanchita Saha</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>16</td>
<td>Mr. Sumanta Kuila</td>
<td>Assistant Professor</td>
<td>M. Tech. (Ph.D. pursuing)</td>
</tr>
<tr>
<td>17</td>
<td>Mr. Bidesh Chakraborty</td>
<td>Assistant Professor</td>
<td>M. Tech. (Ph.D. pursuing)</td>
</tr>
<tr>
<td>18</td>
<td>Mr. Asish Bera</td>
<td>Assistant Professor</td>
<td>M. Tech. (Ph.D. pursuing)</td>
</tr>
<tr>
<td>19</td>
<td>Mr. Mrinmoy Sen</td>
<td>Assistant Professor</td>
<td>M. Tech. (Ph.D. pursuing)</td>
</tr>
<tr>
<td>20</td>
<td>Mrs. Sunanda Jana</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>21</td>
<td>Mrs. Rajrupa Metia</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
</tbody>
</table>
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

RESEARCH CAPABILITY & FACILITIES:
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 backbone 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.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
The Department of Electronics & Communication Engineering was established in 1998 with B. Tech program. The Department has been accredited by National Board of Accreditation (NBA) in 2004 and 2008 respectively. The M. Tech. Program in Electronics & Communication Engineering has commenced from the Academic Session 2005-2006 with duration of two years.

Year of Establishment: 1998
Program and Intake:
B. Tech. in Electronics & Communication Engineering
Current intake: 120
M. Tech. in Electronics & Communication Engineering
(Specialization to: Microelectronics & VLSI Designs)
Current intake: 18

PROGRAMME EDUCATIONAL OBJECTIVES:
PEO 1: To equip graduates with a strong foundation in engineering sciences and Electronics & Communication Engineering fundamentals to become effective collaborators, researchers and real-time problem solver with technical competencies.

PEO 2: To provide exposure to emerging technologies, adequate training and opportunities to work as teams on multi-disciplinary projects with effective communication skills and leadership qualities meeting the requirements of companies in India and abroad.

PEO 3: To prepare graduates to become successful and responsible engineer with social and ethical values in professional engineering practices.

PROGRAM SPECIFIC OUTCOMES:
PSO1: Apply basic knowledge related to electronic circuits, embedded & communication systems and signal processing to solve engineering/societal problems in the field of Electronics and Communication Engineering.

PSO2: Design, verify and validate electronic functional elements for a variety of applications, with skills to analyze, interpret and communicate results to meet desired needs.

PSO3: Recognize contemporary issues and adapt to technical developments and to engage in lifelong learning and develop consciousness for professional, social, legal and ethical responsibilities.

PSO4: Use engineering & management concepts to analyze specifications and prototype electronic experiments/projects either independently or in teams so as to attain a common specific goal.
### FACULTY MEMBERS

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Faculty Name</th>
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<tbody>
<tr>
<td>1</td>
<td>Dr. Malay Kumar Pandit</td>
<td>Professor</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Kishalaya Chakrabarti</td>
<td>Professor</td>
<td>Ph. D</td>
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<tr>
<td>3</td>
<td>Dr. Chanchal Kumar De</td>
<td>Associate Professor &amp; Head</td>
<td>Ph.D.</td>
</tr>
<tr>
<td>4</td>
<td>Mr. Asim Kumar Jana</td>
<td>Associate Professor</td>
<td>M. E, M. Phil. (Ph.D, pursuing)</td>
</tr>
<tr>
<td>5</td>
<td>Mr. Kushal Roy</td>
<td>Assistant Professor</td>
<td>M. E, M. Phil. (Ph.D, pursuing)</td>
</tr>
<tr>
<td>6</td>
<td>Mr. Amit Bhattacharyya</td>
<td>Assistant Professor</td>
<td>M. Tech</td>
</tr>
<tr>
<td>7</td>
<td>Mr. Jagannath Samanta</td>
<td>Assistant Professor</td>
<td>M. Tech (Ph.D, pursuing)</td>
</tr>
<tr>
<td>8</td>
<td>Mr. Rajkumar Maity</td>
<td>Assistant Professor</td>
<td>M. Tech (Ph.D, pursuing)</td>
</tr>
<tr>
<td>9</td>
<td>Mr. Tirthadip Sinha</td>
<td>Assistant Professor</td>
<td>M. Tech</td>
</tr>
<tr>
<td>10</td>
<td>Mr. Banibharta Bag</td>
<td>Assistant Professor</td>
<td>M. E. Tel. E</td>
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<tr>
<td>11</td>
<td>Mr. Surajit Mukherjee</td>
<td>Assistant Professor</td>
<td>M. Tech (Ph.D, pursuing)</td>
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<tr>
<td>12</td>
<td>Mr. Akinchan Das</td>
<td>Assistant Professor</td>
<td>M. Tech</td>
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<tr>
<td>13</td>
<td>Mr. Dibyendu Chowdhury</td>
<td>Assistant Professor</td>
<td>M. Tech (Ph.D, pursuing)</td>
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<tr>
<td>14</td>
<td>Mr. Avisankar Roy</td>
<td>Assistant Professor</td>
<td>M. Tech</td>
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<tr>
<td>15</td>
<td>Mr. Avishek Das</td>
<td>Assistant Professor</td>
<td>M. Tech, MBA</td>
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<tr>
<td>16</td>
<td>Mr. Pinaki Satpathy</td>
<td>Assistant Professor</td>
<td>M. Tech</td>
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<td>17</td>
<td>Ms. Razia Sultana</td>
<td>Assistant Professor</td>
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<td>18</td>
<td>Mr. Santanu Maity</td>
<td>Assistant Professor</td>
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<td>19</td>
<td>Mr. Dipak Samanta</td>
<td>Assistant Professor</td>
<td>M. Tech</td>
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<td>20</td>
<td>Mrs. Moumita Jana</td>
<td>Assistant Professor</td>
<td>M. Tech</td>
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<tr>
<td>21</td>
<td>Dr. Wriddhi Bhowmik</td>
<td>Assistant Professor</td>
<td>Ph. D.</td>
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<td>22</td>
<td>Mr. Jayanta Kumar Bag</td>
<td>Assistant Professor</td>
<td>M. Tech</td>
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<td>23</td>
<td>Mr. Tilak Mukherjee</td>
<td>Assistant Professor</td>
<td>M. Tech (Ph.D pursuing)</td>
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<td>24</td>
<td>Ms. Sayani Ghosh</td>
<td>Assistant Professor</td>
<td>M. Tech</td>
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<tr>
<td>25</td>
<td>Ms. Pallabi Pahari</td>
<td>Assistant Professor</td>
<td>M. Tech</td>
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</table>

### MAJOR LABORATORIES

- Basic Electronics Lab
- Analog Electronics & Design Lab
- Digital Electronics Lab
- Digital Signal Processing & Control System Lab
- RF Engineering & Optical Communication Lab
- VLSI Design Lab
- PCB Fabrication Lab
- Circuit Theory & Device Lab
- Communication System Lab
- Embedded System Lab
- Project Lab

### RESEARCH CAPABILITY:

- VLSI design
- Micro-strip patch antenna design and Fabrication
- Embedded Systems
- PCB Design and Fabrication & Testing

### 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.
The Department of Electrical Engineering has been offering undergraduate course in Electrical Engineering since 2002. 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 in modern applications of Electrical Engineering, the department has a well combination of hardware and software facilities. 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, the 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 March, 2015.

Year of Establishment: 2002
Program and Intake
B. Tech in Electrical Engineering
Current intake: 120

PROGRAMME EDUCATIONAL OBJECTIVES:

PEO 1: To provide technical knowledge, skill and competence to identify, comprehend and solve problems in industry, research and academics related to Electrical Engineering and related disciplines.

PEO 2: To prepare the students to successfully work in various public and private sectors organizations at regional, state, national and international levels, with professional competence and ethical administrative acumen.

PEO 3: To frame the students to improve their technical and intellectual capabilities through life-long learning process, which may include professional career and/or postgraduate education, for successful adaptation to technological and cultural changes and to foster adept functioning in society.

PEO 4: They will be able to work as an individual, as a team leader or as a member of a team in multicultural/global environment.

PEO 5: Fulfill the needs of society in solving technical problems using engineering principles, tools and practices, in an ethical and responsible manner.

PROGRAM SPECIFIC OUTCOMES:

PSO 1: 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.

PSO 2: Conduct research based investigation including design of experiments, interpretation of data, synthesis of information usages of modern engineering tools to solve complex engineering activities with an understanding of the limitations related to societal health safety and legal issues.

PSO 3: Apply ethical principles related to societal and environmental context in a multidisciplinary setting as an individual or in a team.

PSO 4: Able to comprehend effective reports and design documentation considering management and financial principles that will benefit the society at large for life long periods in the broadest contexts of technological changes.

FACULTY MEMBERS

<table>
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<tbody>
<tr>
<td>1</td>
<td>Dr. M.K. Bandyopadhyay</td>
<td>Professor &amp; Director</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Dilip Kumar Dey</td>
<td>Professor &amp; Head</td>
<td>Ph. D</td>
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<tr>
<td>3</td>
<td>Mr. Goutam Das</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
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<tr>
<td>4</td>
<td>Mr. Sandip Kumar Ojha</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
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<tr>
<td>5</td>
<td>Mr. Sourav Kumar Das</td>
<td>Assistant Professor</td>
<td>M. E.</td>
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<td>6</td>
<td>Ms. Piya Roy</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
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<td>7</td>
<td>Mr. Debabrata Barman</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
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<td>8</td>
<td>Mr. Ayandeep Ganguly</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
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<td>9</td>
<td>Ms. Alpana Barman</td>
<td>Assistant Professor</td>
<td>M. E.</td>
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<td>10</td>
<td>Mr. Saubhik Maulik</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
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<tr>
<td>11</td>
<td>Mr. Nayan Manna</td>
<td>Assistant Professor</td>
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<td>Mr. Mithun Manna</td>
<td>Assistant Professor</td>
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<tr>
<td>13</td>
<td>Mr. Showvik Mondal</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
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<tr>
<td>14</td>
<td>Dr. Pratyay Konar</td>
<td>Assistant Professor</td>
<td>Ph.D.</td>
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<td>15</td>
<td>Mr. Souvik Dutta</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
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<td>16</td>
<td>Mr. Asit Kumar Mondal</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
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<tr>
<td>17</td>
<td>Ms. Trishala Pal Choudhury</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
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<tr>
<td>18</td>
<td>Mr. Partha Sarathi Sikdar</td>
<td>Assistant Professor</td>
<td>Ph.D. Submitted</td>
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<tr>
<td>19</td>
<td>Mr. Goutam Kumar</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
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<tr>
<td>20</td>
<td>Mr. Debasis Maji</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>21</td>
<td>Mr. Banshidhri Samanta</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
</tbody>
</table>
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
- Electrical Machine Design Lab
- Power Systems Lab
- Control Systems Lab
- Power Electronics Lab
- Electric Drives Lab
- Microprocessor Lab
- Power System Protection Lab

RESEARCH CAPABILITY:


DEPARTMENTAL LIBRARY:

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

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: 2006

Program and Intake
B. Tech in Food Technology
Current Intake: 60

PROGRAMME EDUCATIONAL OBJECTIVES:

PEO 1: To provide technical knowledge to develop skill and competence to identify, comprehend and solve problems including research and academics in the area of Food Technology and related disciplines.

PEO 2: To prepare the students to successfully work in various public and private sector organizations at regional, state, national and international levels, with professional competence, adaptability, and administrative acumen.

PEO 3: To develop active interest towards the societal needs, and services through sustainable problem solving and life-long learning in an ethical and responsible manner.

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 fulfill societal needs through sustainable problem solving and life-long learning in an ethical and responsible manner.
FACULTY MEMBERS

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<tbody>
<tr>
<td>1</td>
<td>Dr. Sumita Das</td>
<td>Associate Professor</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>2</td>
<td>Mr. Gourab Chatterjee</td>
<td>Assistant Professor &amp;</td>
<td>M. Tech.</td>
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<td></td>
<td></td>
<td>Teacher In Charge</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Mr. Niladri Chakraborty</td>
<td>Assistant Professor</td>
<td>M. Tech., (Ph.D pursuing)</td>
</tr>
<tr>
<td>4</td>
<td>Ms. Swati Ray</td>
<td>Assistant Professor</td>
<td>M. Tech., (Ph.D pursuing)</td>
</tr>
<tr>
<td>5</td>
<td>Mr. Ranjay Thakur</td>
<td>Assistant Professor</td>
<td>M. Tech., (Ph.D pursuing)</td>
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<tr>
<td>6</td>
<td>Mr. Aniruddha De</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
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<tr>
<td>7</td>
<td>Mr. Amit Mukherjee</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
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<tr>
<td>8</td>
<td>Ms. Rahel Suchintita Das</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
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</table>

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.

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.

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

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.

Year of Establishment: 2000
Programme and Intake
B. Tech in Information Technology
Current intake: 60

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs):

PEO 1: The graduates of Information Technology Engineering Program will be prepared to gain employment as an ultimate IT professional.

PEO 2: The graduates of Information Technology will function effectively as individuals and team members in the workplace, growing into highly technical, project management and leadership roles.

PEO 3: The graduates of Information Technology (if they are inclined) will be able to continue their higher education and be conventional to relevant post-graduate, doctoral (and so on) degree programs.

PROGRAM SPECIFIC OUTCOMES (PSOs):

PSO 1: An ability to analyze a problem, design algorithm, identify and define the computing requirements appropriate to its solution and implement the same.

PSO 2: An ability to analyze, design, simulate and implement computer hardware/software and use basic digital/analogue circuits, VLSI design for various computing and communication system applications.

PSO 3: An ability to uphold the existence by qualifying national level competitive examinations for further studies and augmented employment having instilled communication skills.
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: 2005
Program and Intake:
B. Tech. in Instrumentation & Control Engineering
Current intake: 60

PROGRAMME EDUCATIONAL OBJECTIVES:
PEO 1: To educate the graduates with strong foundation of mathematics, basic science and engineering with cutting-edge technological skills of measurement, industrial instrumentation, process automation and advance control engineering.
PEO 2: To prepare the students for successful professional career in private or government sector and built a foundation for higher studies and for undertake R & D activities in Instrumentation and Control Engineering.
PEO 3: To make the students adopt latest developments by lifelong learning with professional and ethical uprightness, socio-economic concern and importance of team work.

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.

DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING
FACULTY MEMBERS

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Faculty Name</th>
<th>Designation</th>
<th>Qualification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mr. Sudipta Bardhan</td>
<td>Assistant Professor &amp; Head</td>
<td>M. Tech., (Ph.D, pursuing)</td>
</tr>
<tr>
<td>2</td>
<td>Mr. Saorabh Kr Mondal</td>
<td>Assistant Professor</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>3</td>
<td>Mrs. Sweta Bijali Maity</td>
<td>Assistant Professor</td>
<td>M.Tech.</td>
</tr>
<tr>
<td>4</td>
<td>Mr. Manas Sarkar</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>5</td>
<td>Mrs. Priyanka Rakshit</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>6</td>
<td>Mr. Tanmay Sinha Roy</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>7</td>
<td>Mr. Sankhaadeep Ghosh</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>8</td>
<td>Mr. Indranil Dey</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>9</td>
<td>Mr. Avijit Routh</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
</tbody>
</table>

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.

DEPARTMENT OF MECHANICAL ENGINEERING

The Mission of the Mechanical Engineering Department is to adapt and adopt a teaching-learning process so as to groom the students with fundamental knowledge base blended with contemporary skills having focus on its relevance to the industrial and real-life scenarios so that one can emerge as a successful graduate and poised readily to serve the industry and having a strong foundation of higher studies and research with ethical and human values.

YEAR OF ESTABLISHMENT: 2000

Program and Intake

B. Tech in Mechanical Engineering
Current Intake: 120

M. Tech in Mechanical Engineering (Specialization to Manufacturing Technology)
Current intake: 18

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs):

PEO 1: To educate and groom the students with strong understanding and knowledge of mathematics, basic science and engineering blended with contemporary skills in the areas of Mechanical Engineering.

PEO 2: To equip the students for successful professional careers in Mechanical Engineering domain of private and government enterprises and to prepare for PG studies and or undertake research in mechanical engineering, management and allied areas.

PEO 3: To make the students aware of the societal aspects of engineering profession, values of ethical practices in profession, and the importance of teamwork to function coherently and effectively in multi-disciplinary framework.

PROGRAMME SPECIFIC OUTCOMES (PSOs):

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

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Faculty Name</th>
<th>Designation</th>
<th>Qualification</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. T. K. Jana</td>
<td>Professor &amp; Dean</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>2</td>
<td>Dr. G. K. Bose</td>
<td>Professor &amp; Head</td>
<td>Ph. D</td>
</tr>
<tr>
<td>3</td>
<td>Mr. S. Banerjee</td>
<td>Associate Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>4</td>
<td>Dr. D. D. Adhikary</td>
<td>Associate Professor</td>
<td>Ph. D</td>
</tr>
<tr>
<td>5</td>
<td>Mr. A. K. Bera</td>
<td>Assistant Professor</td>
<td>M. E.</td>
</tr>
<tr>
<td>6</td>
<td>Mr. N. Rayal</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>7</td>
<td>Mr. R. Soren</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>8</td>
<td>Mr. S. Sarkar</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>9</td>
<td>Mr. S. Bhattacharya</td>
<td>Assistant Professor</td>
<td>M. E.</td>
</tr>
<tr>
<td>10</td>
<td>Mr. A. Das</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>11</td>
<td>Mr. S. Kumar</td>
<td>Assistant Professor</td>
<td>M. E.</td>
</tr>
<tr>
<td>12</td>
<td>Mr. S. Naskar</td>
<td>Assistant Professor</td>
<td>M. E</td>
</tr>
<tr>
<td>13</td>
<td>Mr. D. Das</td>
<td>Assistant Professor</td>
<td>M. Tech</td>
</tr>
<tr>
<td>14</td>
<td>Mr. A. K. Guchait</td>
<td>Assistant Professor</td>
<td>Ph.D.</td>
</tr>
<tr>
<td>15</td>
<td>Mr. S. Gantait</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>16</td>
<td>Mr. U. Majumder</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>17</td>
<td>Mr. A. Kumar</td>
<td>Assistant Professor</td>
<td>M. Tech</td>
</tr>
<tr>
<td>18</td>
<td>Mr. P. Ghosh</td>
<td>Assistant Professor</td>
<td>M. Tech</td>
</tr>
<tr>
<td>19</td>
<td>Mr. M. K. Bhukta</td>
<td>Assistant Professor</td>
<td>M. Tech</td>
</tr>
</tbody>
</table>

### MAJOR LABORATORIES

- Central Workshop
- Metal Cutting and machine Tools Lab.
- Fluid Mechanics and Machinery Lab.
- Thermal Engineering Lab.
- Refrigeration & Air-conditioning Lab.
- Advanced Manufacturing Technology Lab.

### RESEARCH CAPABILITY:

Faculty members are highly dedicated to the cutting edge areas of research and development such as; Holonic and Agent based systems, Non Traditional Machining, Operation Management, Reliability, Power Plant Maintenance.
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
Program and Intake:
B. Tech. in Production Engineering
Current intake: 60

PROGRAMME EDUCATIONAL OBJECTIVES:

PEO 1: to educate and groom the students with strong understanding and knowledge of mathematics, basic sciences and engineering blended with contemporary skills in the areas of Production Engineering and its allied fields.

PEO 2: To equip the students for successful professional careers in Production Engineering domain of private and government enterprises and to prepare for PG studies and/or undertake research in production and industrial engineering and areas akin to it.

PEO 3: To make the students aware of the societal aspects of engineering profession, values of ethical practices in profession, and the importance of teamwork to function coherently and effectively in multi-disciplinary framework.

PROGRAM SPECIFIC OUTCOMES:

PSO1: 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

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Faculty Name</th>
<th>Designation</th>
<th>Qualification</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Bikash Bepari</td>
<td>Professor, Head &amp; Dean - Students Welfare</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Nilabha Sankar Mitra</td>
<td>Associate Professor</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>3</td>
<td>Dr. Balaram Dey</td>
<td>Associate Professor</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>4</td>
<td>Dr. Bipradas Bairagi</td>
<td>Assistant Professor</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>5</td>
<td>Mr. Satyajit Chatterjee</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>6</td>
<td>Mr. Abhishek Samanta</td>
<td>Assistant Professor</td>
<td>M. E.</td>
</tr>
<tr>
<td>7</td>
<td>Mr. Soumik Dutta</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>8</td>
<td>Dr. Abhijit Saha</td>
<td>Assistant Professor</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>9</td>
<td>Mr. Uttam Ghosh</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>10</td>
<td>Mr. Kunal Kumar</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
<tr>
<td>11</td>
<td>Mr. Kunal Banerjee</td>
<td>Assistant Professor</td>
<td>M. Tech.</td>
</tr>
</tbody>
</table>

MAJOR LABORATORIES

• CAD/CAM Lab
• Dynamics Lab
• Welding Lab
• Ergonomics Lab
• Strength of Materials Lab

• Foundry Lab
• Industrial Engineering Lab
• Metrology Lab
• Materials Testing Lab
• Machining Technology 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, ANSYS, ADAMS, ESPRIT, AutoCAD inventor, Visual Nastrun, Automation Studio, Fluent, Sysmat, 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.
Computer Applications is concerned with the optimised application of computing technology, both hardware and software, in information system-based problem-solving activities across all endeavours of the modern age—be it in science, or engineering & technology, or the arts, or otherwise. Its domain is the same as that of its mother discipline: Computer Science and it shares almost all of its content with its siblings, the disciplines of Computer Science and Engineering and Information Technology, whereby technology is taught along with the required doses of management, ethics, and environmental awareness to create successful software engineers. It has however an inherent advantage of being a master degree course: it directly enables students to appear for PhD entrance exams and for jobs like teaching in which a master degree is a must. In keeping with the spirit, the goals and the motto of Haldia Institute of Technology, the department strives to induce its students with a thirst for knowledge and perfection, with a sense of global competition, and with a sense of belonging and pride towards their institute.

Year of Establishment: 2002

Program and Intake:
Master of Computer Application
Current intake: 60

PROGRAMME EDUCATIONAL OBJECTIVES:

PEO 1: To provide technical knowledge, skill and competence to identify, comprehend, design and solve problem in industry, research and academics related to the area of Information Technology Domain and related disciplines.

PEO 2: To enhance technical skills demanded by today’s IT professionals by providing sound technical platform and bridge the gap with reality and to prepare the students to work successfully as individual, as a team member or as a leader in public and private organisations with professional competence.

PEO 3: To understand the societal aspects of IT professional, and values ethical practice in education and profession, information policy and information systems in a diverse society.

PROGRAM SPECIFIC OUTCOMES:

PSO1: Develop an aptitude to apply knowledge in the computing discipline, ability to understand and analyze the problem, ability to design model applying standard Software Engineering practices for conducting experiments and interpret the data.

PSO2: Develop an ability to be acquainted current technological development, skills, and models, and innovate new ideas with optimized solutions to existing problems.

PSO3: Develop an ability to do research, experiments to solve industrial problems, and aptitude to understand cross cultural, societal, professional and ethical issues prevailing in industry.

FACULTY MEMBERS:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Faculty Name</th>
<th>Designation</th>
<th>Qualification</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Sk Sahnavaj</td>
<td>Associate Professor and Head</td>
<td>MCA, (Ph.D, pursuing)</td>
</tr>
<tr>
<td>2</td>
<td>Mr. Apratim Mitra</td>
<td>Associate Professor</td>
<td>MCA, (Ph.D, pursuing)</td>
</tr>
<tr>
<td>3</td>
<td>Mr. Shatadru Sengupta</td>
<td>Assistant Professor</td>
<td>Adv. M.Sc. (UK) (Computer Science)</td>
</tr>
<tr>
<td>4</td>
<td>Mrs. Banani Ghose</td>
<td>Assistant Professor</td>
<td>M.Tech (CSE)</td>
</tr>
<tr>
<td>5</td>
<td>Mrs. Manasi Jana</td>
<td>Assistant Professor</td>
<td>MCA</td>
</tr>
<tr>
<td>6</td>
<td>Mrs. Bipasha Biswas Mullick</td>
<td>Assistant Professor</td>
<td>MCA</td>
</tr>
<tr>
<td>7</td>
<td>Ms. Kankana Datta</td>
<td>Assistant Professor</td>
<td>MCA</td>
</tr>
<tr>
<td>8</td>
<td>Sk Arif Ahmed</td>
<td>Assistant Professor</td>
<td>MCA, (Ph.D, pursuing)</td>
</tr>
<tr>
<td>9</td>
<td>Mrs. Arpita Mazumder</td>
<td>Assistant Professor</td>
<td>M.Tech (CSE)</td>
</tr>
</tbody>
</table>

MAJOR LABORATORIES:

- Relational Database Management Systems Lab
- Software Laboratory, Network Lab
- Operating Systems Lab
- Microprocessor Lab
- Digital Electronics Lab
- Project Lab
- Multimedia Lab

RESEARCH CAPABILITY:
The departmental laboratory is a ready platform for Web-based systems research. The Institute’s Web site is developed here. This laboratory has also seen research in runtime analysis of videos as part of research in Computer Vision. The battery of up-to-date computers in the lab backed by its powerful IBM Blade server enables research in Management Information System development. Departmental faculty have published research articles in Cryptography, Pattern Recognition using Genetic Algorithms and Fuzzy Logic, Information Security, Cloud Security, Computer Vision and MIS. Besides, active research areas of the various faculty members include Network Security, Artificial Neural Networks.

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 MANAGEMENT AND SOCIAL SCIENCE

The Department of Management and Social Science started with the mission to train and develop highly competent professionals with razor sharp mind and competencies to compete in the knowledge based business organizations. The prime objective of the department is to impart and inculcate quality education tantamount to international standard to envisage the everlasting sustenance in the global competitiveness. Faculty members of this department are continuously working for pedagogical improvement and innovating new, interesting method of teaching to fulfill this objective.

Year of Establishment: 2002
Program and Intake:
Master of Business Administration
Current intake: 60

PROGRAMME EDUCATIONAL OBJECTIVES:

PEO-1: To deliver comprehensive education in Management to ensure that the graduates attain the core competency to be successful in industry, research and academics.

PEO-2: To provide the students with solid foundation in inculcating managerial skills to solve management problems and also to pursue higher studies and research.

PEO-3: To facilitate an academic environment that gives adequate opportunity to the students to cultivate life-long skills needed for a successful professional career.

PEO-4: To train the students to work as an individual as well as in teams to comprehend, analyze, design and create innovative solutions of real life problems in multi-cultural global milieu.

PEO-5: To inculcate the sense of ethics, professionalism, pro-activeness and effective communication skills amongst management graduates.

PROGRAM SPECIFIC OUTCOMES:

PSO1: The incumbent should have the ability to work in the field of Marketing and Sales, 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.

PSO2: The incumbent should have the responsibility of forecasting, budgeting, conducting market research and effective leadership in an organization.

PSO3: 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

<table>
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<tr>
<th>Sl. No.</th>
<th>Faculty Name</th>
<th>Designation</th>
<th>Qualification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Indranil Bandyopadhyay</td>
<td>Professor &amp; HOD</td>
<td>Ph. D. (MBA - Finance)</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Arunangshu Giri</td>
<td>Associate Professor</td>
<td>Ph. D. (MBA - Marketing)</td>
</tr>
<tr>
<td>3</td>
<td>Mr. Adrinil Santra</td>
<td>Assistant Professor</td>
<td>MBA (Marketing) B.E (Electronics)</td>
</tr>
<tr>
<td>4</td>
<td>Mr. Soumya Kanti Dhara</td>
<td>Assistant Professor</td>
<td>MBA (Systems) B. E (ET)</td>
</tr>
<tr>
<td>5</td>
<td>Ms. Dipanwita Chakrabarty</td>
<td>Assistant Professor</td>
<td>MBA (Finance)</td>
</tr>
<tr>
<td>6</td>
<td>Ms. Wendrila Biswas</td>
<td>Assistant Professor</td>
<td>MBA (HR)</td>
</tr>
<tr>
<td>7</td>
<td>Dr. Debarun Chakraborty</td>
<td>Assistant Professor</td>
<td>Ph. D. (MBA - Marketing) B. E (CHE)</td>
</tr>
<tr>
<td>8</td>
<td>Mr. Manigrib Bag</td>
<td>Assistant Professor</td>
<td>MBA (Marketing)</td>
</tr>
<tr>
<td>9</td>
<td>Dr. Sourabh Bhattacharya</td>
<td>Assistant Professor</td>
<td>Ph.D. (MBA- Marketing)</td>
</tr>
</tbody>
</table>

MAJOR LABORATORIES

- Computing Lab

RESEARCH CAPABILITY:
The department may be considered to be a place for research in Managerial Decision Making in the field of Marketing, Operations, Human Resource Management of international stature. The SPSS (V.17) with AMOS (V.20) and MATLAB (V.7) are the necessary software packages used in the field of Management Research.

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**

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 ideas which are then transferred to engineering disciplines to be classified, improved to address societal problem.

**Year of Establishment:** 1996

### FACULTY MEMBERS

#### Physical Science Unit:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Faculty Name</th>
<th>Designation</th>
<th>Qualification</th>
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<tbody>
<tr>
<td>1</td>
<td>Dr. Asit Baran Maity</td>
<td>Professor &amp; Dean</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Partha Pratim Das</td>
<td>Professor &amp; Head</td>
<td>Ph. D.</td>
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<tr>
<td>3</td>
<td>Dr. Rajesh Das</td>
<td>Associate Professor</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>4</td>
<td>Dr. Rajib Kr.Dubey</td>
<td>Associate Professor</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>5</td>
<td>Dr. Soumitra Kar</td>
<td>Associate Professor</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>6</td>
<td>Dr. Santanu Misra</td>
<td>Assistant Professor</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>7</td>
<td>Dr. Arka Chaudhuri</td>
<td>Assistant Professor</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>8</td>
<td>Dr. Suvankar Chakraborty</td>
<td>Assistant Professor</td>
<td>Ph. D.</td>
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<tr>
<td>9</td>
<td>Dr. Momin Hossain Khan</td>
<td>Assistant Professor</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>10</td>
<td>Dr. Rakesh Das</td>
<td>Assistant Professor</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>11</td>
<td>Dr. Dibyadity Pramanik</td>
<td>Assistant Professor</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>12</td>
<td>Dr. Tanusri Dey</td>
<td>Assistant Professor</td>
<td>Ph. D.</td>
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#### Chemical Science Unit:

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Siba Prasad Maity</td>
<td>Associate Professor</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Suparna Rana</td>
<td>Associate Professor</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>3</td>
<td>Dr. Pijush Kanti Khatua</td>
<td>Associate Professor</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>4</td>
<td>Dr. Gourisankar Roymahapatra</td>
<td>Associate Professor</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>5</td>
<td>Dr. Gora Das</td>
<td>Assistant Professor</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>6</td>
<td>Dr. Niladita Purkait (Study Leave)</td>
<td>Assistant Professor</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>7</td>
<td>Dr. Atanu Kuila</td>
<td>Assistant Professor</td>
<td>Ph. D.</td>
</tr>
</tbody>
</table>

#### Mathematical Science Unit:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Faculty Name</th>
<th>Designation</th>
<th>Qualification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Dipak Kr. Jana</td>
<td>Associate Professor</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Mihir Baran Bera</td>
<td>Associate Professor</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>3</td>
<td>Mr. Summit Kr. Maity</td>
<td>Associate Professor</td>
<td>M.Sc., M.Tech.(CSE)</td>
</tr>
<tr>
<td>4</td>
<td>Mr. Chinnay Saha</td>
<td>Associate Professor</td>
<td>M.Sc.</td>
</tr>
<tr>
<td>5</td>
<td>Dr. Manoj Kr. Mandal</td>
<td>Associate Professor</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>6</td>
<td>Mr. Chandan Pathak</td>
<td>Associate Professor</td>
<td>M.Sc.</td>
</tr>
<tr>
<td>7</td>
<td>Mrs. Sarbani Samanta</td>
<td>Assistant Professor</td>
<td>M.Sc.</td>
</tr>
<tr>
<td>8</td>
<td>Mr. Anupam De</td>
<td>Assistant Professor</td>
<td>M.Sc.</td>
</tr>
<tr>
<td>9</td>
<td>Ms. Somashti Karan</td>
<td>Assistant Professor</td>
<td>M.Sc.</td>
</tr>
<tr>
<td>10</td>
<td>Mr. Nabin Sen</td>
<td>Assistant Professor</td>
<td>M.Sc.</td>
</tr>
<tr>
<td>11</td>
<td>Ms. Sumana Mandal</td>
<td>Assistant Professor</td>
<td>M.Sc.</td>
</tr>
<tr>
<td>12</td>
<td>Dr. Shuvendu Chakraborty</td>
<td>Assistant Professor</td>
<td>Ph. D, MBA</td>
</tr>
<tr>
<td>13</td>
<td>Dr. Prabir Panja</td>
<td>Assistant Professor</td>
<td>Ph. D.</td>
</tr>
<tr>
<td>14</td>
<td>Dr. Biplab Sinha Mahapatra</td>
<td>Assistant Professor</td>
<td>Ph. D.</td>
</tr>
</tbody>
</table>

**Physical Science Unit:**

**Chemical Science Unit:**

**Mathematical Science Unit:**
### FACULTY MEMBERS

#### Humanities: English Language Unit

<table>
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<tr>
<th>Sl. no.</th>
<th>Faculty Name</th>
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</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mrs. Poulomi Bhattacharjee</td>
<td>Assistant Professor</td>
<td>M.A.</td>
</tr>
<tr>
<td>2</td>
<td>Ms. Meenakshi Dey</td>
<td>Assistant Professor</td>
<td>M.A.</td>
</tr>
<tr>
<td>3</td>
<td>Ms. Reetoja Taj</td>
<td>Associate Professor</td>
<td>M.A.</td>
</tr>
<tr>
<td>4</td>
<td>Mr. Biman Mandal</td>
<td>Associate Professor</td>
<td>M.A.</td>
</tr>
<tr>
<td>5</td>
<td>Dr. Soumyajyoti Banerjee</td>
<td>Assistant Professor</td>
<td>Ph. D</td>
</tr>
<tr>
<td>6</td>
<td>Ms. Gouri Das</td>
<td>Assistant Professor</td>
<td>M.A.</td>
</tr>
<tr>
<td>7</td>
<td>Ms. Priyanka Dey</td>
<td>Assistant Professor</td>
<td>M.A.</td>
</tr>
<tr>
<td>8</td>
<td>Mr. Soumya Bera</td>
<td>Assistant Professor</td>
<td>M.A.</td>
</tr>
<tr>
<td>9</td>
<td>Ms. Jyoti Doley</td>
<td>Assistant Professor</td>
<td>M.Phil</td>
</tr>
<tr>
<td>10</td>
<td>Ms. Trisha Barua</td>
<td>Assistant Professor</td>
<td>M.A.</td>
</tr>
<tr>
<td>11</td>
<td>Ms. Gargi Jana</td>
<td>Assistant Professor</td>
<td>M.A.</td>
</tr>
<tr>
<td>12</td>
<td>Ms. Nirmala Kaur</td>
<td>Assistant Professor</td>
<td>M.A.</td>
</tr>
</tbody>
</table>

### MAJOR LABORATORIES
- Engineering Chemistry Lab.
- Engineering Physics Lab.
- Advanced Optimization Lab.
- Advanced Material Lab.
- Language Lab.

### RESEARCH FACILITY & CAPABILITY
Presently six research scholars are there in different laboratory of this department. Several faculty members are involved in active research in collaboration with IACS-Kolkata, IIT-Kharagpur, NIT - Durgapur, IICB-Kolkata, Jadavpur University, Vidyasagar University, IIEST, Shibpur, Howrah etc. The following research facilities are available for UG/PG, Teaching and Research works:
- Hind High Vac. Thin Film Coating Unit
- Fluorescence Spectrophotometer.
- Sol-Gel Coating Unit
- Electron Beam Gun
- Rotary Vacuum Evaporator
- Mass Flow Controller
- Controlled Magnetic Stirrer
- High Temperature Furnaces
- Keithley Electrometer
- Particle Board Pressing Unit (Hydraulic)

### DEPARTMENTAL LIBRARY
It is enriched with different reference books of 240 titles.
### RESEARCH GRANTS FROM GOVT. AGENCIES

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Project Title</th>
<th>Funding Agency</th>
<th>Sanctioned Amount</th>
<th>Date of Commencement - Completion</th>
<th>PI/CoI</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>A theoretical study on the origin of surface enhanced Raman spectroscopy of some biomolecular residues and their stereoisomers</td>
<td>CSIR</td>
<td>Approx. 20 lacs</td>
<td>2011-2014</td>
<td>Dr. Tarun Kanti Mandal</td>
</tr>
<tr>
<td>2</td>
<td>Study of Tubulin-Antimitotic compound interaction in search of novel active derivative targeting colchicines binding site on tubulin</td>
<td>DBT</td>
<td>Approx. 35 lacs</td>
<td>2012-2015</td>
<td>Prof. Suvromita Gupta</td>
</tr>
<tr>
<td>3</td>
<td>Structural investigation of the global virulence regular SarA from Staphylococcus aureus</td>
<td>CSIR</td>
<td>Approx. 40 lacs</td>
<td>2012-2015</td>
<td>Dr. Keya Sau(PI) &amp; Prof. Siraj Datta (CoPI)</td>
</tr>
<tr>
<td>4</td>
<td>Genotyping of cultivated betelvine</td>
<td>DST-FTYS</td>
<td>Approx. 25 lacs</td>
<td>2012-2015</td>
<td>Dr. Siraj Datta</td>
</tr>
<tr>
<td>5</td>
<td>In-Vitro Corm production of Gladiolus</td>
<td>UGC</td>
<td>1.7 lacs</td>
<td>2013-2015</td>
<td>Dr. Siraj Datta (CoPI)</td>
</tr>
<tr>
<td>6</td>
<td>Heat and Salt Tolerant Microbial Biofertilizer with improved efficiency to withstand environmental stress</td>
<td>WB-DST</td>
<td>13.48 lacs</td>
<td>2015-2018</td>
<td>Prof. P.Roy, Dr. M. Singh and Dr. R. Banerjee</td>
</tr>
<tr>
<td>7</td>
<td>Biorational management of rice pests: evaluation of nanoparticle based and endophyte mediated approaches</td>
<td>TAC, ISI Kolkata</td>
<td>24.97 lacs</td>
<td>2015-2018</td>
<td>Dr. Mukesh Singh (CoPI)</td>
</tr>
<tr>
<td>8</td>
<td>Investigations of the antimitotic property of sulfamethoxazole (SMX) group of drugs: Mechanistic actions and relevance as a lead anticancer</td>
<td>SERB</td>
<td>36.09 Lakhs</td>
<td>2017-2020</td>
<td>Prof. Suvromita Gupta</td>
</tr>
<tr>
<td>9</td>
<td>Development of plant based assay system for primary screening of lead molecule from medicinal plants of Nagaland</td>
<td>DBT Twin</td>
<td>Approx. 40 lacs</td>
<td>2018-2021</td>
<td>Prof. S. Datta /Prof. S. Gupta</td>
</tr>
<tr>
<td>10</td>
<td>Development of an FPGA based On-line Condition Monitoring System for Induction Motors using Advanced Signal processing and Data Classification Tools</td>
<td>SERB, DST, Govt. of India</td>
<td>23.60 Lacs</td>
<td>2014-2017</td>
<td>Subhasish Sarkar</td>
</tr>
<tr>
<td>11</td>
<td>Correlating Dielectric and Chemical Techniques for Comprehensive Condition Monitoring of Complex Insulation Systems</td>
<td>CSIR, Govt. of India</td>
<td>7.31 Lacs</td>
<td>2013 - 2016</td>
<td>Sandip Kumar Ojha</td>
</tr>
</tbody>
</table>

### 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:-

<table>
<thead>
<tr>
<th>Current Semester</th>
<th>Total duration for earning Activity points</th>
<th>Total minimum points to be earned during the full course</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Semester</td>
<td>1st to 8th Semester</td>
<td>100</td>
</tr>
<tr>
<td>3rd Semester</td>
<td>3rd to 8th Semester</td>
<td>100</td>
</tr>
<tr>
<td>5th Semester</td>
<td>5th to 8th Semester</td>
<td>75</td>
</tr>
</tbody>
</table>
Hemant Sagar has never been discovered yet in this world being it can convert real me 2D objects to a 3D projection. Proving his mele all over India, Subhashis Kar has bagged the 3rd Posion in a Kolkata held conference by MISTI which had Innumerably high number of parcipants all over the country. The project which he worked upon is named HOLOPIX which is capable of converting any random 2D image or Video to a 3D projection. But if you think this is the end of the story, think again. He has acquired the "Student Membership" at MIT along with a Certificate of EXCELLENCE and full access to Research and Development Lab of MIT for two fine years. That being said, he has also been offered to join any of the Tech giants and start a new project under the firm.

STUDENTS MAJOR ACTIVITIES & ACHIEVEMENTS

SUBHASIS KAR, a student of Department of AEIE invents the concept of HOLOPIX, which Rewards him, MIT MEMBERSHIP(2 YEARS)., MERGE WITH ANY TECH GIANT.

HOLOPIX: It is a device which converts any 2D photo or video to a 3D holographic form. Redefining technology in it’s unthinkable way. It’s not only IT’s that nurture great minds of the nation but also this phenomenal college, “HIT” is able to compete them. The zeal and hard rock fire that kept burning in Subhashis Kar of AEIE(Batch of 2016-20) has landed him a place which is still a dream come true to millions or even trillions.

Rewards him, MIT MEMBERSHIP(2 YEARS)., MERGE WITH ANY TECH GIANT.

Hemant Sagar received 3rd posion in D‐Construcon of Prayuk 2017 organized in MEGALITH 2017 at IIT Kharagpur.

Rivu Adhikary final year chemical engineering student was appointed as the Campus Ambassador of Wingfotech Pvt Ltd. and organized a workshop on Neural Network under Student’s Welfare Committee (SWC HIT, haldia) on 17-18th November’17. The total strength of participation was 122 to be exact.

Mr. Mitrajit Das, Cse 4th year visited Vigyan Bhawan, New Delhi on 8th March, 2017 to receive the best volunteer prize and Certificate organized by Higher Education institutions Digital Monitoring System (DMS) for VISAKA.

Seminar/Conference/Workshop Organized during 2017-18

**International:**
- Indian Chemical engineering congress (CHEMICON, 2017 – 70th Annual session of IOChE) organized by Haldia Regional Centre successfully from 27-30th December 2017.

**National:**
- One day National seminar on “Advanced CAD Modelling and CAM/CNC manufacturing” on 30th March 2017.
- One day National seminar on Recent Advances in Manufacturing Technology (RAMT 2017) in March 2017.
- National Seminar on Recent Developments in Design of Steel Structures held during 19th-20th April, 2017.
- One-day workshop on “Application of CAD and CAM in Industry” on 22nd March 2018
- 5-days In-house internship programme on e-Kart Fabrication by SPM Hydraulic from 9th–13th Sept, 2017
- Organized Workshop on Total Dealership Management in association with Indian Oil Corporation Ltd.
- One day Workshop is organized by ECE Dept in 2017-18 with the support of Spoken-Tutorial Resource centre (STRC-HIT) on Jan 15, 2018
- A hands-on Workshop on “Industrial PLC Based Automation” during 12th to 13th October, 2017, organized by Instrumentation and Control Engg. of Haldia Institute of Technology.

**DISTINGUISHED ALUMNI**

**Department of Applied Electronics and Instrumentation Engineering**

- Dr. Indrani Kar
  - Associate Professor
  - IIT Guwahati
  - Batch 1996–2000

- Dr. Chiranjib Koley
  - Associate Professor
  - NIT Durgapur
  - Batch 1996–2000

- Dr. Ranajit Sai
  - Research Fellow
  - Johoku University, Japan.
  - Batch 1998–2000

- Mr. Debabrata Bhaskar
  - Engineer, ONGC India
  - Batch 1999–2003

- Mr. Sambuddha Khan
  - Research Specialist
  - University of California
  - Batch 1999–2003

- Dr. Biswajit Kar
  - Assistant Professor
  - NIT, Meghalaya
  - Batch 1998–2002

- Dr. Arghya Paul
  - Assistant Professor
  - University of Kansas
  - Batch 2001–2005

- Piyali Mitra
  - Senior Engineer
  - Honeywell Technology Solution Lab
  - Batch 2005–2009

- Debabrata Pariya
  - Research Scholar
  - IITC Bangalore
  - Batch 2006–2010

- Subhasis Jana
  - Senior technical assistance at DRDO
  - Batch 2010–2014

- Dr. Dijendra Nath Roy
  - Assistant Professor
  - NIT Calicut
  - Batch 2005–2009

**Department of Biotechnology**

- Dr. Arghya Paul
  - Assistant Professor
  - IITC Bangalore
  - Batch 2006–2010

- Dr. Dijendra Nath Roy
  - Assistant Professor
  - Indian Military Academy
  - Batch 2003–2017

- Dr. Rajkrishna Mandal
  - Assistant Professor, Ranchi University
  - Batch 2004–2008

- Dr. Suvendu Mondal
  - Iocl Refinery
  - Batch 2010–2014

- Dr. Rajkrishna Mandal
  - Assistant Professor
  - Ranchi University
  - Batch 2004–2008

- Dr. Ms. Sazia Alam
  - Assistant Professor
  - NIT Calicut
  - Batch 2005–2009
Department of Chemical Engineering

Mr. A. Mukherjee
Regional Head at Mother Dairy Fruit & Vegetable Pvt. Ltd
Batch 2007-2011 (M.Tech)

Mr. B. P. Chandraumouli
HEAD-TECHNICAL SERVICES at Tata Chemicals Limited
Haldia, India
Batch 2005-2009 (M.Tech)

Mr. S. Panigrahi
Senior Process Engineer at HPCL-Mittal Energy Ltd.
Batch 2007-2011 (M.Tech)

Mr. R. Bhattacharyya
Graduate Student at University of Florida
Gainesville, Florida Area
Batch 2010-2014

Mr. B. P. Chandraumouli
HEAD-TECHNICAL SERVICES at Tata Chemicals Limited
Haldia, India
Batch 2005-2009 (M.Tech)

Department of Computer Science and Engineering

Dr. Romit Roy Choudhury
is currently Associate Professor at the University of Illinois at Urbana-Champaign (UIUC)
Batch 1996-2000

Dr. Sanjukta Bhowmick
is currently Associate Professor at University of Nebraska, Omaha
Batch 1996-2000

Dr. Divas Mitra
is currently Assistant Professor at IIT-Kharagpur.
Batch 1997-2001

Dr. Samik Ghosh
is currently Sr. Research Scientist, Sony Systems Biology Research Center, University of Tokyo, Japan
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Ms. Aparna Gupta
is presently serving in the Indian Police Service, Government of India.
Batch 2001-2005

Mr. Dipankar Dutta
is working in Microsoft as Software Development Engineer
Batch 2005-2009

Mr. Animesh Choudhury
is presently serving in the Indian Administrative Service, Government of India
Batch 2006-2010

Department of Civil Engineering

Tanmoy Ghosal
PSA Engineer at Tractebel Engineering, Brussels
Batch 2005-2009

Abhinaba Biswas
Senior Engg at L&T Saudi
Batch 2006-2010

Tanmoy Ghosal
PSA Engineer at Tractebel Engineering, Brussels
Batch 2005-2009

Anand Urbav
CDWI
Batch 2008-2012

Lopamudra Bhoumik
Doing Ph.D at University of Illinois Urbana-Champaign
Batch 2006-2010

Koustik Dutta
Asst Manager at HCC
Batch 2007-2011

Ritwik Roy
ACM at L&T ECC
Batch 2006-2010

Kaushik Dua
Asst Manager at HCC
Batch 2007-2011

Anupam Das
Ph.D scholar at IIT Kharagpur
Batch 2008-2012

Prabhat Ranjan Prem
Scientist at CSIR-Structural Engineering Research Centre
Batch 2006-2010

Soumyadeep Ghosh
Verisk Analytics
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Mr. Sankar Mukhopadhyay  
Engineer, Indian Space Research Organization (ISRO), India  
Batch 1998-2002

Dr. Aurpan Majumder  
Assistant Professor, NIT, Durgapur  
Batch 1998-2002

Dr. Tirtha Sankar Das  
Professor, RCC Institute of Information Technology  
Batch 1998-2002

Dr. Moussiki Kar  
Aust. Professor, Heritage Institute of Technology,  
Batch 1999-2003

Mr. Mr. Tamoghna Ojha  
Co-founder & Director, SkinCurate Research Private Limited,  
Batch 2004 – 2008

Mr. Suvadip Paul  
Senior System Engineer, Infosys  
Batch 2009-2013

Mr. Anindya Banerjee  
System administrator, Infosys Batch 2009-2013

Mr. Souragni Ghosh  
Founder & Director, WizAnimate Studios, India  
Batch 2000-2004

Mr. Tamoghna Ojha  
Co-founder & Director, SkinCurate Research Private Limited,  
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Mr. Anindya Banerjee  
System administrator, Infosys Batch 2009-2013

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Dr. Mousumi Roy  
RF Application Engineer, GreenPeak Technologies, United Kingdom  
Batch 2001-2005

Mr. Suvarn Paul  
Senior System Engineer, Infosys  
Batch 2009-2013

Dr. Sanjeev Kumar Metya  
Assistant Professor in NIT, Arunachal Pradesh,  
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Batch 2009-2013

Mr. Suvarn Paul  
Senior System Engineer, Infosys  
Batch 2009-2013
Mr. Arun Shaw  
SAIL  
Batch 2010-2014

Md. Abu Bakar Mallick  
BPCL  
2014 Batch

Mr. Rakesh Prakash  
BPCL  
2013 Batch

Mr. Vivek Kumar Sharma  
L&T Ltd.  
2013 Batch

Mr. Avinash Kumar  
OCL  
Batch 2009-2013

Mr. Binayak Ghosh  
L&T ECC Division  
Batch 2007-2011

Ms. Pallabi Saha  
TATA Cummins Ltd.  
Batch 2008-2012

Dr. Arpan Kumar Mondal  
Faculty, NITTTR, Kolkata  
Batch 2005-2009

Dr. Saurabh Sarkar  
Assistant Vice President, J. P. Morgan Chase.  
Batch 2001-2005

Mr. Amitava Nath  
SMEPL, New Delhi  
Batch 2001-2005

Mr. Soumya Das  
Advisory Consultant IBM India Pvt. Ltd.  
Batch 2001-2005

Mr. Bibek Das  
Technical Sales Manager, CETCO Lining Technologies India Pvt Ltd.  
Batch 2001-2005

Mr. Jagannath Nandi  
Mgt. Executive in Project & Quality Control & Assurance, Weoman Thermal Engineering Processes Pvt.Ltd  
Batch 2001-2005

Mr. Kamesh Mishra  
Sr. Executive (Project Mgmt) Thyssenkrupp Industries India Ltd.  
Batch 2002-2006

Mr. Sibasis Pattanayak  
ACCENTURE Senior Consultant in SAP  
Batch 2002-2006

Mr. Sumit Roy  
 Territory Sales Manager (TATA Motors Ltd)  
Batch 2002-2006

Mr. Soumya Roy Chowdhury  
Consultant in Ernst & Young LLP  
Batch 2003-2007

Mr. Surajit Dey  
Asst. Manager Titagarh Wagons Limited  
Batch 2003-2007

Mr. Debababrata Banik  
Manager (Operations) Tata Steel Processing & Distribution Limited  
Batch 2004-2008

Mr. Rudra kish Bhushan  
Deputy Manager (O&M / MM), NTPC Kahalgaon, NTPC Limited.  
Batch 2004-2008

Mr. Avinash Kumar  
OCL  
Batch 2009-2013

Mr. Binayak Ghosh  
L&T ECC Division  
Batch 2007-2011

Ms. Pallabi Saha  
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Batch 2004-2008

Mr. Rudra kish Bhushan  
Deputy Manager (O&M / MM), NTPC Kahalgaon, NTPC Limited.  
Batch 2004-2008

Department of Production Engineering

Department of Master of Application

Indradaipat Biwas  
Architect at Tech Mahindra/Sydney Area, Australia  
Batch: 2002-2005

Dibyendu Sain  
Sr. Consultant at Capgemini France  
Batch: 2003-2006

Souvik Banerjee  
CEO, Greenit Consulting Services, SouthKorea  
Batch: 2005-2008

Kanchan Manna  
Post-Doctoral Scientist at the George Washington University  
Batch: 2003-2006
<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Company/Institute</th>
<th>Batch Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arnab Mishra</td>
<td>Solutions Manager</td>
<td>Deloitte</td>
<td>2004-2007</td>
</tr>
<tr>
<td>Doyel Karak</td>
<td>Associate Software Engineer</td>
<td>Nomura Research Institute</td>
<td>2009-2012</td>
</tr>
<tr>
<td>Baishakhi Das</td>
<td>Sr Java Developer</td>
<td>Cognizant, Greater Chicago</td>
<td>2004-2007</td>
</tr>
<tr>
<td>Sudipa Patra</td>
<td>Assistant Manager</td>
<td>Tata Communication</td>
<td>2010-2013</td>
</tr>
<tr>
<td>Aritra Kumar Dhawa</td>
<td>Technical Analyst</td>
<td>Oracle Financial Services Software Ltd</td>
<td>2005-2008</td>
</tr>
<tr>
<td>Debolina Banarjee</td>
<td>System Engineer</td>
<td>IBM India Pvt. Ltd.</td>
<td>2011-2014</td>
</tr>
<tr>
<td>Subhasis Nag</td>
<td>ETL Professional</td>
<td>Infosys, India</td>
<td>2006-2009</td>
</tr>
<tr>
<td>Ushasi Singha</td>
<td>Senior Software Engineer</td>
<td>Capgemini</td>
<td>2012-2015</td>
</tr>
<tr>
<td>Arjit Ghosh</td>
<td>Data Scientist at BDIPlus</td>
<td>The University of Akron</td>
<td>2007-2010</td>
</tr>
<tr>
<td>Malay Manna</td>
<td>Project Engineer</td>
<td>WIPRO Technologies</td>
<td>2012-2015</td>
</tr>
<tr>
<td>Ritwik Boyal</td>
<td>Tax Analyst</td>
<td>Deloitte Tax Services India Pvt. Ltd.</td>
<td>2011-2013</td>
</tr>
<tr>
<td>Mr. Sandip Chakraborty</td>
<td>Assistant Manager, Reliance Jio Infocomm Ltd.</td>
<td>Batch 2008-2010</td>
<td></td>
</tr>
<tr>
<td>Mr. Prasenjit Ghose</td>
<td>Officer, Bank of India</td>
<td>Batch 2009-2011</td>
<td></td>
</tr>
<tr>
<td>Mr. Triparna Das</td>
<td>Business Analyst</td>
<td>IBM Batch 2010-2012</td>
<td></td>
</tr>
<tr>
<td>Mr. Anindya Karan</td>
<td>Administrative Officer</td>
<td>The New India Assurance Company Limited</td>
<td>Batch 2009-2011</td>
</tr>
</tbody>
</table>
The HIT ANNUAL CULTURAL MEET 2017 was held on the college premises from 7th to 9th of November. The events covered included singing of Hindi songs, Folk songs and Rabindra Sangeet, Extempore, Impromptu Acting, Indian Classical Dance, Theme Drawing and Creative Writing in English, Hindi and Bengali, Recitation, Picture Perception and Discussion Test and also last but not the least the all time favourite the One Act Play. The event was very much successful because of all the SWC members, Coordinators and Volunteers who managed the events very efficiently. This was all possible because of SWC Convener Dr. S. J. Sahu, SWC Dean Prof B. Bepari, and also Dr Subhankar Joardarr and Dr S. B. Kuila and other college faculty members both directly and indirectly involved in the ANNUAL CULTURAL MEET. The cultural meet had a total participation of about 580+ participants including all the events the very figure of participation portrays the success of the event in a whole and our very efficient judges amongst them chose the best performers.

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Name</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Foundation Day celebration</td>
<td>25-09-2017</td>
</tr>
<tr>
<td>2</td>
<td>Inter college quiz competition organized by Kolkata Port Trust, HDC</td>
<td>31.10.2017</td>
</tr>
<tr>
<td>3</td>
<td>Central Vigilance Awareness Week-2018 at IOCL Haldia</td>
<td>4.11.2017</td>
</tr>
<tr>
<td>4</td>
<td>Central Vigilance Awareness Week-2018 at CPT Haldia</td>
<td>04.11.2017</td>
</tr>
<tr>
<td>5</td>
<td>Organizing workshop on Neural Network as well as conducting zonal round of “Utkranti – 2018”</td>
<td>18.11.2017 - 19.11.2017</td>
</tr>
<tr>
<td>7</td>
<td>AUSPICIOUS PARADIGM 2018</td>
<td>21.03.2018</td>
</tr>
<tr>
<td>8</td>
<td>RANG MILANTI 2018</td>
<td>28.03.2018</td>
</tr>
<tr>
<td>9</td>
<td>PRAYUKTI 2018</td>
<td>09.04.2018 – 11.04.2018</td>
</tr>
<tr>
<td>10</td>
<td>RIVIERA 2k18</td>
<td>11.04.2018 – 12.04.2018</td>
</tr>
</tbody>
</table>

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 choose the best singers. Sunanda Dey of 4th Year Chemical Engineering department secured the First position followed by Saurabh Kumar Toni of 3rd year Electronics and Communication Engineering department secured the Second position and Pramit Mukhopadhyay of 2nd year Production 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. Kaushik Chakravarty of 1st year Electrical Engineering department secured the First position followed by Saurabh Kumar Toni of 3rd year Electronics and Communication Engineering department secured the Second position and Sunanda Dey of 4th year Chemical Engineering department secured the third position.
RABINDRA SANGEET

Rabindra Sangeet is a different genre of songs that includes many unspoken emotions only through 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. Diptarup Chakraborty of 1st year Mechanical Engineering department secured the 1st position followed by Sunanda Dey of 4th year Chemical Engineering department secured 2nd position and Kaushik Chakravorty of 1st year Electrical Engineering department secured the 3rd position.

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. Saptaparna Biswas of 4th year Computer Science and Engineering department secured the First position followed by Shvangi Tiwari of 2nd year Electrical Engineering secured Second position and Abhijeet Kamal of 2nd year Mechanical Engineering department secured Third 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. Aayush Raj and Fahad Iikhar of 4th year Applied Electronics and Instrumentation department secured the First position followed by Indranil Biswas of 4th year and Dipu Singh of 3rd year Civil Engineering department secured the Second position and Dev kr. Pandey and Piyush kr. Singh both of 1st year Mechanical Engineering department secured Third position.

INDIAN CLASSICAL DANCE

This event was first time introduced in the 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 2nd year Electronics and Communication Engineering secured the First position followed by Arpita Nayek of 4th year Civil Engineering department secured Second position and Manami Sande of 3rd year Production Engineering department secured the Third position.
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. Oindrila Roy of 3rd year Electrical Engineering department secured First position followed by Srinjoy Roy of 4th year Biotechnology Engineering department secured Second position and Anubhab Biswas of 1st year of Electrical Engineering secured Third 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. The 1st prize was won by Kusum Singh of 1st year Applied Electronics and Instrumentation Department, 2nd prize went to Diptarup Chakroborty of 1st year Mechanical Engineering Department and the 3rd prize went to Roshan Pariyar of 4th year Electrical Engineering Department.

ONE ACT PLAY
There is a platform where a group performs to express a particular topic by acting technique that is one act play. Our college has got a number of exceptionally talented actors who perform something divine which made the jury members awestruck. In this event only Chemical Engineering won the first prize along with best actor (male) and best director’s awards followed by Computer Science Engineering department secure diecond position and Applied Electronics and Instrumentation engineering department secured third position.

PRAFYKTI 2018
Prayukt the annual-techno management fest of Haldia Institute of Technology is a well-known name in the National college circuit. One of the biggest fest of this kind, it offers an opportunity for students to show case their talents in different fields of science. This mega extravaganza contains events ranging from Robotics and Model presentation to Crime Scene solving. The committee behind this massive event had started working and chalked out plans 4 months prior to the event. Every detail was taken into account to give a fresh new look to the already big name “PRAFYKTI”.
With strength of all B.Tech first year students, a team of teachers and staff executed NSS activities for the year 2017 in Haldia Institute of Technology. Normally NSS activities run throughout the year.

<table>
<thead>
<tr>
<th>Activities</th>
<th>Date</th>
<th>Supported by</th>
<th>Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blood Donation Camp</td>
<td>25th April, 2017</td>
<td>Haldia Sub-Divisional Medical Hospital and Haldia Blood Bank</td>
<td>138 students donated blood</td>
</tr>
<tr>
<td>Safe Drive Save Life</td>
<td>17th August, 2017</td>
<td>Haldia Municipality</td>
<td>250 students participated in a road show under the leadership of the Chairman of Haldia Municipality from City Centre to Kadam Tala (5 km) and advised bike riders to take precautions and follow traffic rules.</td>
</tr>
<tr>
<td>Teachers’ Day and Plantation Program</td>
<td>5th September, 2017</td>
<td>Haldia Municipality</td>
<td>170 students planted 200 plants in HIT campus on that day and continued throughout the month.</td>
</tr>
<tr>
<td>Nirmal Bangla Drive</td>
<td>12th September, 2017</td>
<td>Haldia Municipality and Haldia Sadar Hospital</td>
<td>340 students participated</td>
</tr>
<tr>
<td>Coastal Area Cleaning</td>
<td>16th September, 2017</td>
<td>Indian Coast Guard</td>
<td>60 students participated</td>
</tr>
<tr>
<td>Awareness program on Contemporary Social Issues like Save Girl Child, Save Oil, Save Water, Stop Ragging and taking Drugs, Global Warming, Mass Education, etc.</td>
<td>25th September, 2017</td>
<td>All First year B.Tech. students participated and displayed 230 posters in college corridor and subsequently on the light posts in Ranichak, Durgachak, Sutahata.</td>
<td></td>
</tr>
<tr>
<td>Education Day</td>
<td>11th November, 2017</td>
<td></td>
<td>100 students participated in essay writing, elocution and extempore speech and poster competition</td>
</tr>
</tbody>
</table>
India is a vast country with a population of approximately 1.35 billion. 75% of India’s population lives in about six lakh 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 can not 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 fulfillment 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 given below,**

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

Course Completed & certificate distributed
1) Welding (first batch)
2) House Wiring (first batch)
3) Computer Hardware and laptop repairing (first batch)
4) Auto Cad (first batch)
5) Laboratory grad Instrument Repairing (first batch)
6) Solar Cell (first batch)
7) Mobile Phone repairing (first batch)

Course Running
1) Welding (Second batch)
2) House Wiring (Second batch)
3) Computer Hardware and laptop repairing (Second batch)
4) Auto Cad (Second batch)
5) Laboratory grad Instrument Repairing (Second batch)
6) Mobile Phone repairing (Second batch)
7) Surveying (first batch)

HALDIA INSTITUTE OF TECHNOLOGY
Lealets distributed for Short Term Course Under Community Development Service and Pradhan Mantri Kaushal Vikas Yojana

- Swachha Bharat Aviyan
  Awareness regarding the “swachhta” is created among our students by regular routine activity of campus cleaning. In every week, students of every branch spend few hours for campus cleaning and give the massage of “Swachha” to the community. Each year, students of Haldia Institute of Technology are voluntarily involved in special programme on costal area cleaning organized by Indian Coast guard under NSS schemes of the Institute.

- Creating educational awareness among community
  We have initiated a mission for creating educational awareness for poor and needy child among community, providing free coaching for the students of slum area by self interested CHE B.Tech students.
Mr. Aish Lahiri (Secretary, HIT), Prof. Jin-Wei Liang (Ming Chi University of Technology, Taiwan), Dr. Anjan Mishra (Registrar, HIT), Dr. Lakshman Seth (Chairman, HIT) – On the Event of MOU with Ming Chi University of Technology, Taiwan

Consul General of Bhutan
Mr. Thinlay Wangchuk discussed with our Hon’ble Chairman Dr. Lakshman Seth during visit to Haldia Institute of Technology on 17.8.17.

Prof. Maria A. Navascues, University of Zaragoza, Spain, visited at Haldia Institute of Technology during January 17-21, 2017

Mr. B.M. Jamal Hossain, Counsellor, Deputy High Commission for the People’s Republic of Bangladesh has visited Haldia Institute of Technology on 23.07.2017.

Mr. Eknarayan Aryal (Consulate General of Nepal), Dr. Lakshman Seth (Chairman, HIT), during visit to Haldia Institute of Technology on 08-07-2017

Prof. Heinrich Begehr, Freie University Berlin, Germany, visited at Haldia Institute of Technology during January 17-21, 2017

FOREIGN DELEGATES VISIT DURING 2017-18