



# ANNUAL REPORT

## 2018 - 2019



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## INSTITUTE OF ENGINEERING & MANAGEMENT



## VISION OF IEM

To be a globally recognized educational institution known for outcome based education and application oriented research.

## MISSION OF IEM

To assist students to understand and enjoy seamless nature of knowledge and encourage them to apply the acquired knowledge to practical use, so that they become worthy, socially responsible good human beings sought after for their leadership qualities.

To foster creativity, innovation and excellence through example based teaching-learning process imparted in the most simple and easily comprehensible way.

“If you can’t explain it simply, you don’t understand it well enough.” - Albert Einstein

To continuously upgrade knowledge base of our manpower, improve infrastructure and use of latest technology/pedagogical tools, and update curriculum through periodic feedback from stake holders to enable students to meet professional requirements and their expectations.



### *Message from the Visionary,,,,,,*

**PROF. DR. SATYAJIT CHAKRABARTI**

**Founder Director, IEM.**

Knowledge is an empowerment. It teaches life to take the right path, accept challenges and make the right decision in every field. We, at IEM, seek to impart the right education to every student to help them excel in all the spheres of a competitive world.

With a quest to achieve 360 degree growth in areas of multi-disciplinary knowledge, IEM has set bold footsteps towards earning the status of being the best. Accreditation for excellence in academics, infrastructure and multi-dimensional areas is our motto and resolution. To us, success is a journey.. .not a destination.

The vision of the Institute is to act as a Center of Excellence in teaching and R&D in mutli-disciplinary areas and disseminate the knowledge to our student community and industrial sectors.

We aim to be the best Institute in the field of higher education whose alumni will possess highest professional competence with high moral and ethical values.



### *Message from the Director,,,,,,*

**PROF. DR. SATYAJIT CHAKRABARTI**

**Director, IEM.**

Ever since the inception of IEM, in 1989, it has maintained its position as the “Jewel of the East”. IEM was born as a result of a dream to nurture bright young minds towards technical and managerial excellence. IEM believes in all-round development of students and encourages them to be not only capable engineers or managers but also good and responsible citizens of the country. This is the reason why, in addition to being the first private engineering college in West Bengal, we have also consistently been the “Best Private Engineering College” in the state. IEM has been ranked 79th in the All India ranking in NIRF by MHRD, Govt., of India and 4th in West Bengal after IIT.

Kharagpur, NIT Durgapur and IEST Shibpur, in 2016. IEM has also been awarded the “Outstanding Engineering Institute-East” in 2017 by DNA Newsgroup, BBC Knowledge and in 2011 by Star News.

The creative bunch of young students, the sincere faculty members, the qualified administrative team and the hard-working support staff are the supporting pillars of IEM that have been keeping the IEM flag soaring high for so many years.

## An Introduction



## About the Educational Group

The IEM group is an acclaimed educational group amongst the industry-centered academic training organizations of today. IEM has set sublime standards in addressing the technical and managerial resource shortage in the new era of dynamic globalization. The IEM group has risen to fame for its strong foundation in teaching and R&D in multifaceted areas. It aims to serve the future generation as well as the Nation through its commitment towards self-sufficiency and unmatched excellence.

Since its inception, the IEM group has surpassed innumerable benchmarks of achievements and accreditations. Today IEM flaunts a colossal network of expansive operations led by an awe-inspiring student force who are the torchbearers of a better tomorrow.

The IEM Group has opened up the doors for young minds who dare to dream. It encourages the spirit of free enquiry and imagination. In this temple of learning, dreams take shape. The educational group attempts to inculcate the sense of human values and discipline in students to make them respectable human beings. It encourages learners to learn, to realize their potential and imbibe the best practices.



ACADEMIA



# **COMPUTER SCIENCE & ENGINEERING**

## **Department Statistics:**

**Faculty Strength: 25**

**Student Strength: 793**

**Year of Establishment: 1997**

## **Objectives**

Evolve as a leading academic unit of excellence emphasizing on outcome-based education with international reputation and adopt itself to the rapid advancement in the field of Computer Science & Engineering and related disciplines.





## GOALS AND PLANS FOR NEXT YEAR

- Establishment of Block chain and security Lab.
- Organizing Project competition through posters.
- Enhancement of Foreign Visiting Faculty program.
- Organizing Data Science Olympiad.
- Enhancement of industry-academia collaborations.

### NEW ADDITIONS

#### Data Science Lab

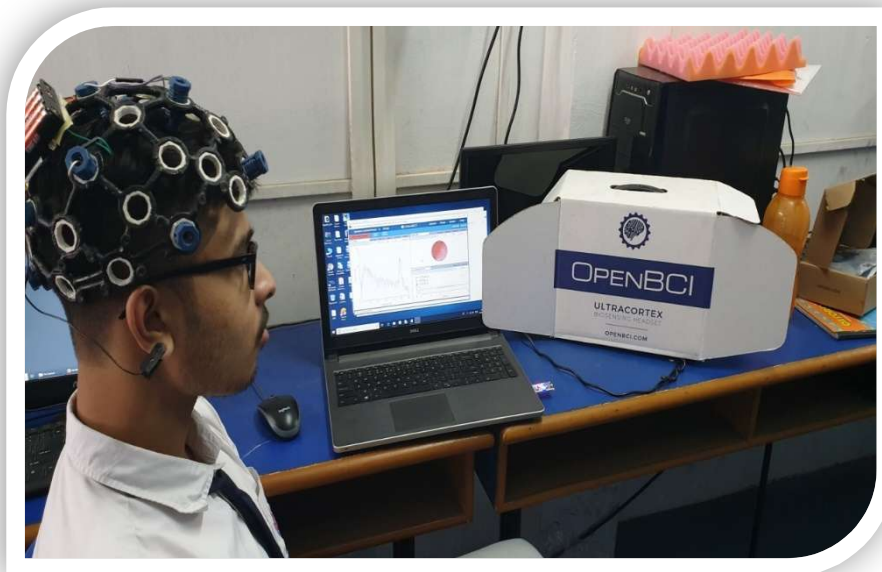
The Data Science group of IEM has been formed to do advanced research in the arena of Machine Learning, Deep Learning, Big Data, NLP, Image Processing, Computer Vision and all other related areas. A focused group of students and faculty



members are engaged in projects and research areas under this umbrella. Also, a dedicated lab has been setup with a ten workstations cluster to carry out advanced research work. Academic collaboration is being worked out with Bennett University and discussion is in progress with University of Calcutta.

#### IOT & Robotics Lab

The IOT & Robotics lab of IEM has been formed to do applied research in the arena of IOT, Robotics, Drone development and all other related areas. A focused group of students and faculty members are engaged in projects and research areas.



Current major projects in IOT Lab:

1. BCI Controlled Quadcopter
2. Consignment Tracking
3. Agricultural Drone  
(Quadcopter)
4. Indoor Tracking System using BLE
5. apiS-Cue Bots - Rescue Bots with Swarming Intelligence



## American Journal of Advanced Computing (AJAC)

American Journal of Advanced Computing (AJAC) is a peer review international journal which publishes articles in the field of modern aspects computational science. This journal publishes high quality innovative research work in the field of modern aspects of computer science. The journal invites original research article, review article and short communications from the prospective authors. The journal addresses articles in the field of development of computational procedures as well as their applications in various fields. The journal addresses the issue of modern research as well as the practical applications of these procedures in solving the real-life problems. So, this journal addresses the issues of academicians, policy makers as well as the industry personnel.



The Journal's area of interest includes but not limited to application of suitable computational procedures to the areas

- Image processing
- Process Integration
- Smart grid
- Economic policy framing
- Biomedical signal processing
- Communication systems
- Signal processing
- Design of electrical systems
- Renewable energy systems
- Managerial practices
- Biomedical instrument design
- Control systems



# INSTITUTE OF ENGINEERING & MANAGEMENT

## Department of Computer Science & Engineering

- Pattern recognition
- Automation
- Robotics
- Nano and micro systems

ISSN: 2368-1209

DOI: To be updated soon

Website: <http://www.astpublishers.com/ajac>

Published By: AST Publishers

Frequency: 4 issues per year

## SmartCoders

IEM CSE has initiated a platform for competitive coding to exhibit creative thinking and coding talent of students. For this, CSE department launched their own coding platform **SmartCoders** (<http://smartcoders.org>). We can conduct different coding contests at international level using this platform. We conduct training classes on competitive coding for the students regularly by industry experts also.



The prime interest is to promote the culture of applied programming among the students of Computer Science and Engineering.

## Foreign Faculty Lecture Series

### Speaker: Leonel Sousa

Professor ("Professor Catedrático") of the Electrical and Computer Engineering Department (DEEC) of Instituto Superior Técnico (IST), Universidade de Lisboa, in Portugal, and a Senior Researcher of INESC-ID, a non-profit research institute affiliated with IST.

Date: 15-09-2018 to 22-09-2018

Topic: To address the students under the aegis of IEEE Computer Distinguished Speaker Programme on the topic: Fundamentals & the Practical applications of Cryptography in the current scenario.

### Speaker: Babak Esfandiari

Professor, Systems and Computer, Carleton University

Date: 23-09-2018 to 05-10-2018

Topic: Object Oriented Programming



### Project competition

IEM CSE has taken the initiation for organizing project competition for undergraduate engineering students at international level.

Diversion 2K18 was a part of this initiation. It was organized in collaboration with ACM.

### Industry - Academia collaborations

IEM CSE department has already started collaborative projects with some reputed IT industries like Cadena Infotech, Rebeca Technologies, Ixia etc. On the other hand, CSE department also does projects in collaboration with central Govt. sectors like ISRO & BARC.

Apart from this, the department also got collaboration with some globally recognized universities like University of Connecticut, USA, Carleton University, Canada etc.

### Google Code In

IEM CSE department has got selected by Google Developers to establish this chapter.

## MILESTONE EVENTS

### IEEE IEMCON 2018

This Conference was sponsored by IEEE Vancouver Section, University of British Columbia, Wireless Networks and Mobile Systems Laboratory, Symroc, Aidant Intelligent Technology, Health Gauge, MR Control System International Inc., Novarc, Quirk Logic, Trakopolis & NCS Multistage, Canadian Space Agency.

**Venue:** University of British Columbia, Canada

**Date:** 1<sup>st</sup> to 3<sup>rd</sup> November, 2018



### IEEE UEMCON 2018

All accepted papers were presented during the parallel sessions of the Conference and all papers got **submitted for publication at IEEE Xplore Digital Library**. IEEE UEMCON 2018 is listed in IEEE conference.

**Venue:** Columbia University, New York, USA

**Date:** 8<sup>th</sup> to 10<sup>th</sup> November, 2018



### IEEE CCWC 2019

The conference aims to bring together scholars from different disciplinary backgrounds to emphasize dissemination of ongoing research in the fields of in Computing and Communication.

**Venue:** University of Nevada, Las Vegas, USA

**Date:** 7<sup>th</sup> to 9<sup>th</sup> January, 2019



### IEMCO (IEM Coding Olympiad)

IEMCO (IEM Coding Olympiad) is an arena to exhibit creative thinking and coding talent of students. It is our endeavour to challenge participants to think, ideate, innovate and push themselves to go to that extra mile. It is organized twice in a year. In the last year the April challenge was held on **21<sup>st</sup> April, 2018** and another was held on **3<sup>rd</sup> November, 2018**. The details of the most recent IEMCO events given below –

**IEMCO (November, 2018)**

**Date:** 3<sup>rd</sup> November, 2018

**Duration:** 3 hours

**Platform:** CodeChef (<https://www.codechef.com/IEMCO5>)



# INSTITUTE OF ENGINEERING & MANAGEMENT

Department of Computer Science & Engineering

**Event Type:** Team event (Team size is maximum of 3)

**Total number of participants:** 2158

**Foreign countries participated:** Peru, Tehran, Azerbaijan, China, Russia, Philippines, Japan, Vietnam, Cameroon, USA, Uzbekistan, Italy, Ukraine, Bangladesh, Hong Kong, Singapore, Iran, Germany, and Taiwan.

**Prizes:** Total prizes worth of Rs. 50,000/- to top 10 teams

Please, visit us on Facebook page at - <https://www.facebook.com/iem.iemco/>

## Foreign Faculty Lecture Series

**Prof. Dr. Robert P. Schumaker** is an Associate Professor of Computer Science at University of Texas at Tyler, George W. and Robert Pirtle Endowed Professor of Business, Founder and Director of the Data Analytics Lab, Associate Editor of Decision Support Systems (DSS) journal and speaker through the ACM Distinguished Speakers Program. He took two days classes on Data Science. The program was held from **27-07-2018 to 28-07-2018**.

**Prof. Dr. Andrew Park**, an eminent Professor of Thompson Rivers University, took three days interactive session on Machine Learning from **18-08-2018 to 21-08-2018**. The performance of each registered student was evaluated.



**Prof. Dr. Andrew Park delivering a riveting Machine Learning session**



# INSTITUTE OF ENGINEERING & MANAGEMENT

Department of Computer Science & Engineering

## IEMGRAPH, 2018

The first International Conference on Emerging Technology in Modelling and Graphics (IEMGRAPH 2018) was held at IEM Gurukul Campus, Kolkata during 6th & 7th September, 2018. Indian Space Research Organisation (ISRO) and Computer Society of India (CSI) were the technical sponsors of the event. The proceedings of IEMGRAPH 2018 will appear in the Springer's Advances in Intelligent Systems and Computing series.

A red banner with rounded corners. At the top left is the IEM logo. At the top center is the Springer logo. At the top right are the ISRO and Computer Society of India logos. The main text in white reads: "International Conference on Emerging Technology in Modelling and Graphics", "IEMGRAPH - 2018", "Institute of Engineering & Management", "Department of Computer Science & Engineering", "Gurukul Campus, Salt Lake Electronics Complex, Kolkata - 700091", "6 - 7 September, 2018". At the bottom left is the website "www.iem.edu.in/iemgraph2018" and at the bottom right is the email "iemgraph2018@gmail.com".

## DIVERSION 2K18

IEM ACM Student Chapter invited students for DIVERSION 2K18, 1<sup>st</sup> International B.Tech/B.E. Project Contest 2018, taking place at Institute of Engineering & Management on September 22, 2018.

A yellow banner with rounded corners. On the left is the ACM Chapter logo. In the center, it says "IEM ACM STUDENT CHAPTER PRESENTS" above "DIVERSION 2K18" in large bold letters, with "1st International B. Tech/ B.E. Project Contest 2018" below. On the right is the IEM logo.





# INSTITUTE OF ENGINEERING & MANAGEMENT

## Department of Computer Science & Engineering

In Diversion 2K18, 21 teams were selected for the contest. Among them finally top four teams got awarded.





# RESEARCH, PUBLICATIONS AND CONSULTANCY

## Patent Information

Time Period: JULY'18 - 31st JAN'19			
Name	Designation	Topic	Status (Applied/ Published/ Granted)
Dr. Himadri Nath Saha	HOD	Intelligent swarm robot using master-slave concept	Applied
Dr. Himadri Nath Saha	HOD	A portable power bank using free energy harvesting technique	Applied
Dr. Himadri Nath Saha	HOD	Intelligent swarm robot using master-slave concept in Disaster Management	Applied

## Statistics of Publications

Category	Number of research paper published
Conference	92
Book	3
Journal	20

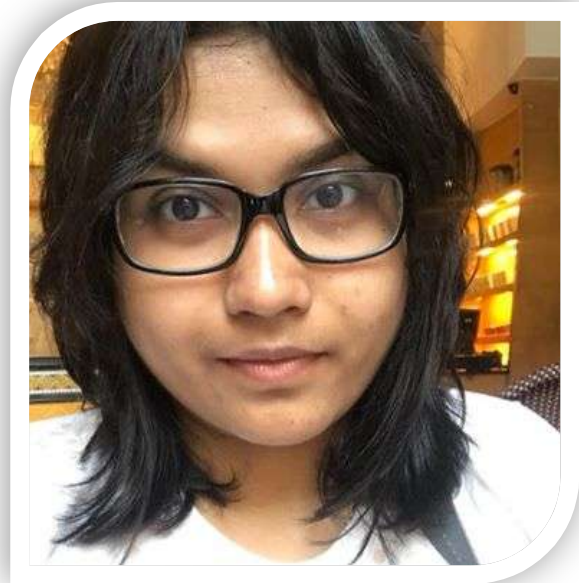


**AWARDS & RECOGNITION ACHIEVED BY THE STUDENTS**

**Higher Study Report**



**Avimita Chatterjee**  
**University of Colorado Boulder**



**Somosmita Mitra**  
**Purdue University**



**Prachatos Mitra**  
**IISc, Bangalore**



**Ahitagni Sen**  
**IIM, Amritsar**



**Shoumik Das,**  
CAT Score – 98.96



**Srimoyee Bhattacharya,**  
GRE score – 336

## Awards and Appreciation

IEM CSE students won the first prize of Rs. 1 Lakh in Complex Problem in SMART INDIA HACKATHON 2019.

**Team Leader:** Abhishek

**Members:**

- Ankit Kumar
- Abhishek Lal
- Aditi



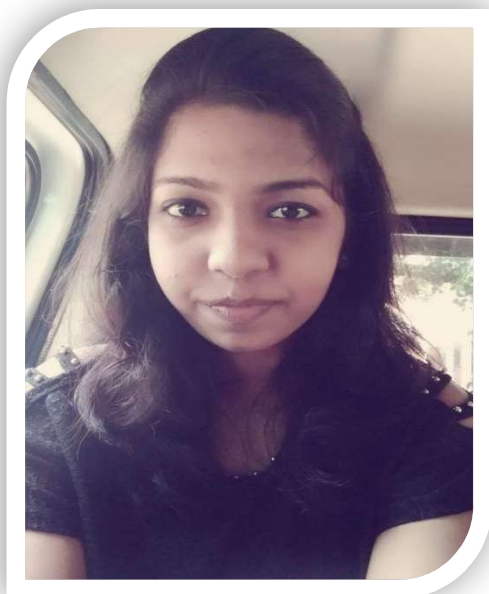


# INSTITUTE OF ENGINEERING & MANAGEMENT

Department of Computer Science & Engineering



**Pratyush Das - Former Visiting scientist at Fermi National Accelerator Laboratory**



**Rimjhim Bhadani – Google Code In Mentor, was selected to represent Systems Community at Google Summer of Code Mentors Summit, 2018, held in San Francisco.**



**Siddhant Khetan – Director's award for best student contribution**



**Arnab Mondal - Director's Award for Best Techno Wiz 2019**

Name of the Student	Award / Achievements
Abhishek Prasad	The “Best updated pre-existing App” in Developer Circles Community Challenge, Hackathon.
Sayan Dutta Sumiran Naman Sayari Bhattacharya Sayan Barman Agnip Mazumder Debdan Bhandari Sachin Mohan	ISRO (Newtown) selected seven students for their image streaming project.
Rimjhim Bhadani	Google Summer of Codes: She is selected for Google Summer of Codes2018 which would run from 24th April, 2018 to 15th August, 2018. This is an online open source program that is sponsored by Google.
Gitesh Jain	Won the Technergize (Project Competition) event at IEEE CSIS 2018 For project on - BREAST CANCER PHASE DETECTION USING DEEP LEARNING



# INSTITUTE OF ENGINEERING & MANAGEMENT

## Department of Computer Science & Engineering

Name of the Student	Award / Achievements
Bhagyashree Mukherjee	Indian Engineering Olympiad AIR – 4
Aniruddha Bera	Winner of AppStruct 2018: App making contest.
Udit Prasad	“Elite Topper” on “Design & Analysis of Algorithm” in NPTEL online course (secured 81%). “Gold Topper” on “Database Management System” in NPTEL online course (TOP 2 Percentile) (secured 90% Marks) in the year 2018.
Priyanshu Sharan	Scored 94 percentile in NPTEL online coding competition.
Soujannya Roy	Head violinist in the International contest of MUSICEA (22nd July, 2018) Grade 1 violinist certified by Trinity College of Music, London
Prateeti Mukherjee	Secured 3rd position, Spectrum, 2018. Secured 1st position, IEEE Spectrum Model Display Contest, 2018. Secured 2nd position, INNOVARE contest, INNOVACION, 2018. Secured top 50 position in Codechef contest IEMCO.
Sayan Burman	Secured 4 <sup>th</sup> position in IEM Coding Olympiad.
Sayan Bachhar	Secured 4 <sup>th</sup> position in IEM Coding Olympiad, “Gold Topper” on “Database Management System” in NPTEL online course (TOP 2 Percentile) (secured 90% Marks) in the year 2018.
Ambika Kumari	Secured 97 rank in BLITZKRIEG in Telos
Ankit Kumar	Secured 1 <sup>st</sup> position in the event “SPYDER” in URECKON, 2018
Sayantan Das	Secured 2 <sup>nd</sup> position in Case study competition Scintillation, IEST Shibpur.
Sayantan Das	IEMPact Quiz Crusade 2019 winner
Rahul Shaw	Best Paper Award at IEEE IEMCON 2018, VANCOUVER, CANADA Best Student Award, NIVT Skills, India
Rimjhim Bhadani	Google Venkat Panchpakeshan Scholarship (one among the six Indian students to be recognised by Google)
Sayan Sil	Winners of IEM-ISAC and HACKERKNIGHT
Abhirup Das	1st prize at Hackathon in Kalyan Government Engineering College, 2018
Sudipta Halder	Scholarship from DST



# INSTITUTE OF ENGINEERING & MANAGEMENT

## Department of Computer Science & Engineering

Name of the Student	Award / Achievements
SIDDHANT KHETAN	Director's award for best student contribution
Deepak kumar nowlekha	Overall contribution towards college
Arnab Mondal	Director's Award for Best Techno Wiz 2019
Udit Prasad	Director's award for best student contribution 2019
Urmi Chakraborty	Directors award for best student contribution
Ankit Kumar	Director's award for best student contribution
Nitish Anand	Director's award for overall student performance.
Nabhoneil Chattopadhyay	Director's Award For Overall Student Performance
Samyak Jain	Director's award for Best student contribution
Shashidhar sinha	Best student contribution.
Ankush raj	Director award for best student contribution
Chandramita Bhattacharya	Best Student Contribution Award
Arunangshu Pramanik	Director's Award For Best Student Contribution 2019
Shoumik Das	Director's award for best Student Contribution 2019
Ashmita Bhowmik	Best Student Contribution 2019
Debargha Das	Academics
Harsh Patni	Director's Award for Overall Student Performance 2019
Supratim Auddy	Sougata Mondal Memorial Medal For Best Student of the Year
Koyal Gupta	Director's choice best overall performance award
Payel Saha	directors award for overall student performance
Sourav Gon	Director's Award for Best Student Contribution 2019
SHIVESH PANDEY	DIRECTOR'S AWARD OF BEST STUDENT
Pragya Agarwal	Director's award for overall student perfot
Subhankar Saha	Director's Award for Best Student Contribution 2019
Srimoyee Bhattacharyya	Departmental Topper

## Statistics of Publication (Students)

Category	Number of research paper published
Conference	31
Journal	6



## AWARDS & RECOGNITION ACHIEVED BY THE TEACHERS

### Dr. Himadri Nath Saha



**Prof. Dr. Himadri Nath Saha during his lecture in Lincoln University College, Malaysia**

#### Awards & Recognitions:

1. He received “**Young Scientist Award**” from International research Award on Engineering Science and Management.
2. He is the chief editor of an **SCI indexed journal SENSOR**.
3. He has been invited to address students of **University of Connecticut**.
4. He has initiated a collaboration with **Cadema InfoTech Private Limited**.
5. He was awarded as a **FELLOW** from Institution of Electronics and Telecommunication Engineers (**IETE**).
6. He was awarded by our honourable **Governor of West Bengal** for authoring a book titled as “**BigyanPrabah**” in collaboration with **Bhawa Atomic Research Centre**
7. He was awarded as a **FELLOW** from Institution of Engineers (India).
8. He was awarded as a **Senior Member** of **IEEE(USA)**.
9. He is the Technical Chair of **IEEE IEMCON**.
10. He is the Technical Chair of **IEEE IEMCON**.
11. He is the Technical Chair of **IEEE UEMCON**.
12. He is the technical chair of **IEEE CCWC**.

#### Achievements:

1. He is one of the top **12.5% scientist in the world according to ResearchGate.**
2. He has invented a **low-cost, fully autonomous GPS-based drone for disaster management.** He is doing this research in collaboration with **Bhaba Atomic Research Centre.**
3. He is one of the executive committee members of IEEE Kolkata Section.
4. He is the Branch Counsellor of IEEE Student Branch & Faculty Head of ACM Student Chapter.
5. He was the Former member of IUCEE.
6. He is the Product Consultant of LifeLine Care Technologies, Chennai.
7. He has received an **invitation from National Technical University of Athens.**

Website: <https://www.drhimadrinathsaha.com/>

## Dr. Debika Bhattacharyya



### Achievement:

Dr. Debika Bhattacharyya, along with 27 Indian professors have got 3 crore rupees fund from Royal Academy of Engineering, UK for developing AI and Deep learning skills.

**Application Title:** Making "Deep Learning and AI skills" mainstream in India to fulfil trilateral needs of entrepreneurship, Industry-academia partnership and application-inspired Engineering Research.

### Awards & Recognition:

- She has been awarded as “Distinguished Leader” in Engineering in December 2018 by Venus International Foundation in HELA 2019



**Venus International  
Foundation**

Estd. u/s 3 of the Indian Trusts Act, 1882  
ISO 9001:2008 Certified

R. Sathishkumar, PhD (Engg.),  
Chairman

F. No. AAP-I/2019/D-ENNC1044

6<sup>th</sup> December, 2018

To

Dr. Debika Bhattacharyya (Award Winner),  
Dean - Academics,  
Institute of Engineering and Management,  
Salt Lake Electronics Complex, Kolkata-700091, India

Dear Madam,

**Subject: Distinguished Leader in Engineering**

With reference to your nomination application submitted to the 2<sup>nd</sup> Higher Education Leadership Awards - HELA 2019 (call for nominations opened on July 25, 2018 vide F. No. VIF/CFN/LA/2018), I hereby inform that, based on the Expert Committee report and Apex Committee recommendations, you have been selected as a DISTINGUISHED LEADER in Engineering Discipline.

- She has been awarded “Rashtriyo Gourav Award” by India International Friendship Society in March, 2019.

## Nilanjana Dutta Roy

### Achievements:

- Went to CSE Department of **Assam Central University**, Silchar, Assam as Invited Speaker on 6th August 2018.
- Conducted Foldscope awareness for faculty members and students of Assam Central University, Silchar, Assam.
- Received invitation for as Invited Speaker from **Microbiology Department and Biotech Hub** of Assam Central University, Silchar, Assam.

### Awards & Grants:

- Received Rs 2 lakhs from **IEST, Shibpur** to establish new laboratory.

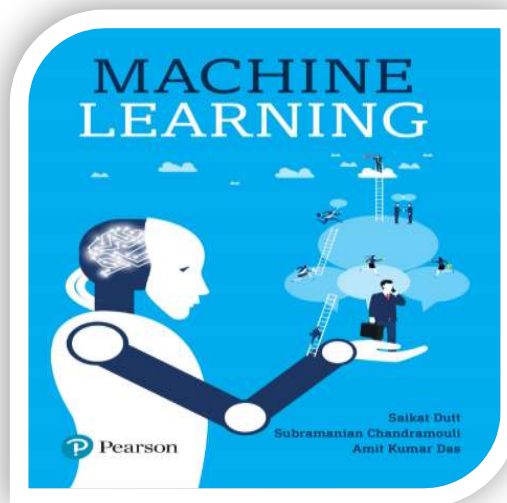
### MoU:

- Signed MoU with **Department of Biotechnology, Govt. of India** for sponsored project on Malaria.

- Signed MoU with **Microbiology Department and Biotech Hub of Assam Central University**, Silchar, Assam for Govt. sponsored twinning projects.
- Signed MoU with School of **Tropical Medicine, Kolkata** for malarial data collection.

## Amit Kr. Das

He has authored a text book on Machine Learning for the students at the under-graduate level to be published by Pearson publisher by end of September, 2018.



## ENTREPRENEURSHIP

**Sayan Tapadar** - Developed a smart helmet (**ALTOR**) that was geared towards helping enthusiasts and casual users alike obtain a chance at state-of-the-art, distraction-free safety and handsfree technologies all without breaking the bank.



**Suvrodeepa Bhattacharya - Unseen and Beyond** was started with a dream of making the biggest platform for all the young talents. Currently it has established a nation wise network with lots of writers, painters, photographers and graphic designers. It is an organisation providing any type of media solutions and currently we are also starting the new platform for app development and website designing.



### Details of Entrepreneurships & Start-ups by students (Time Period: JULY'18 - 31st JAN'19)

Name of the Student	Name of the Start up	Details of the start-up
Aditya Rastogi	Online Pet Product Store	An online store which focuses only on pet products and pet medication
Abhideep Ghosh	World of Gaming	An online competitive gaming platform where gamers can compete and win price pools in games popular worldwide like PUBG, CS, GO, DOTA
Rajarshi Lahiri Sayan Sil	Sampark Technologies	Sampark is a startup that works on networking systems which can make the life of laymen better using technology. Their company provides a system to retrieve, filter and provide basic information from the internet over text messages. People from rural areas and places where internet network is not stable or even available shall be benefited from our product.
Rajarshi Nag	Drivers4Me	Drivers4Me is a Kolkata-based startup providing elegant online (Website & Smartphone Application) solutions to car driver hiring problems, currently operating in Kolkata, West Bengal.
Aman Gupta	Brickview Studios	Brick view Studios is a kolkata based AR-VR company focused on innovative solutions.
Aman Gupta	Machine Learning Byte	Aiming to democratize AI education in India



# NATIONAL & INTERNATIONAL COLLABORATIONS AND ACTIVITIES & MOUS

## Academics

1. The Johns Hopkins University, USA
2. Carleton University, London
3. Technische University Ilmenau, Germany
4. Grand Valley State University, Michigan, USA
5. Calcutta University, West Bengal, India
6. Bhaba Atomic Research Centre, India
7. University of Connecticut, USA
8. Benette University, India
9. Lincoln University College, Malaysia
10. IEST, Shibpur, India
11. Assam Central University, Silchar, Assam, India
12. Iwate Prefectural University, Japan
13. Jadavpur University, Kolkata, India
14. University of Nevada, Las Vegas
15. Brunel University, London
16. Iwate Prefectural University, Japan
17. De Montfort University, UK
18. ESC Rennes School of Business, France
19. Duale Hochschule Baden-Württemberg (DHBW) Heidenheim, Germany

## IT Industries

1. Rebeca Technologies Pvt. Ltd.
2. Cadena Infotech Pvt. Ltd.
3. Dirac Business Solution Pvt. Ltd.
4. Clickchain Pvt. Ltd.
5. Ixia
6. Sibia Analytics

## Govt. Sectors

1. BARC
2. ISRO

### FDPS/DISTINGUISHED LECTURES ORGANISED

**Date:** July 24, 2018

**Time:** 11:00 AM to 12:30 PM

**Venue:** CSE Central Lab

Mr. Abhiprada Behera, a big data practitioner working at IBM took an informative session on Big Data ecosystem for few 3<sup>rd</sup> year CSE students as well as the Faculty members.

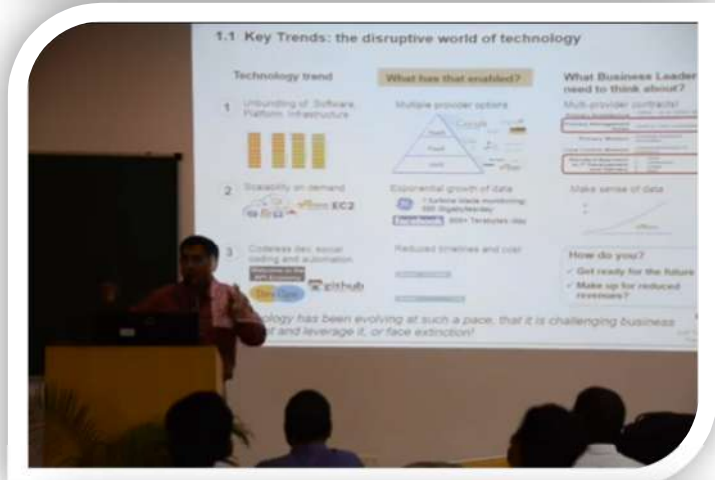


**Date:** August 4, 2018

**Time:** 11:00 AM -12:30 PM

**Venue:** Science Auditorium

Mr. Rajarshi Chatterjee, after a long stint as Vice president of Atos Origin and Asst Vice president of Cognizant, is now spearheading a startup with tremendous success. He delivered a tech talk on some key case studies on Big Data.

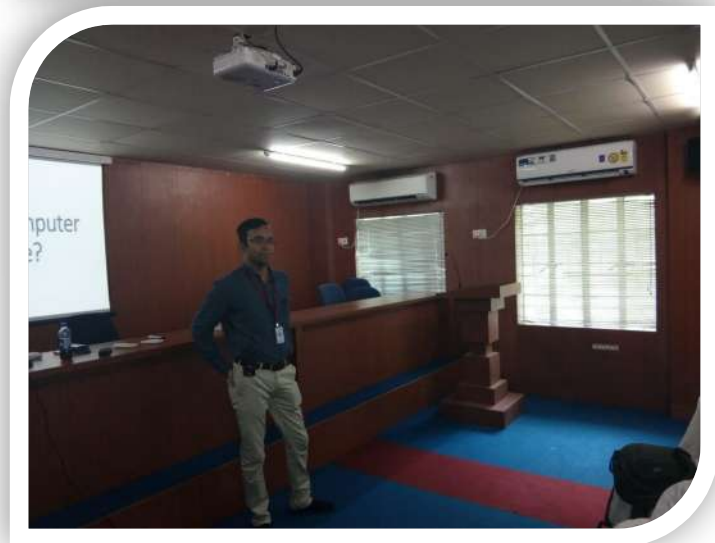


**Date:** August 11, 2018

**Time:** 11:00 AM -12:30 PM

**Venue:** Science Auditorium

Mr. Mrityunjoy Panday, the expert speaker for the session, is an old-timer in Cognizant currently working on using AI and Machine Learning in software quality assurance. He executed an enriching session in the area of software quality assurance.



**Date:** August 18, 2018

**Time:** 11:00 AM -12:30 PM

**Venue:** Science Auditorium

Dr. Soumya Sen, from the University of Calcutta, delivered an intense lecture on academic research in the area of data science.



**Date:** September 1, 2018

**Time:** 11:00 AM -12:30 PM

**Venue:** Science Auditorium

Mr. Sushanta Sengupta, the speaker of this session is working in Tata Consultancy Services Ltd as a domain Consultant and project manager in ERP applications. He is also a certified internal auditor and completed APICS certification in production and inventory management. He shared some enlightening facts on IoT in this session.



## FDPs conducted

Sl No	Date	Topic	Conducted by	Organizing Institution
1	18-08-2018	Machine Learning	CSE	IEM
2	20-08-2018	Machine Learning	CSE	IEM
3	21-08-2018	Machine Learning	CSE	IEM
4	06-08-2018	Foldscope Awareness	Prof. Nilanjana Dutta Roy	NIT, Silchar
5	18-09-2018	Bio-markers	Prof. Nilanjana Dutta Roy	Assam University
7	05-10-2018	Research Methodology and Block Chain	CSE	IEM





# INSTITUTE OF ENGINEERING & MANAGEMENT

## Department of Computer Science & Engineering

Sl No	Date	Topic	Conducted by	Organizing Institution
8	03.11.2018	IoT	Dr. Himadri Nath Saha	University of British Columbia, Canada
10	10.11.2018	IoT	Dr. Himadri Nath Saha	Columbia University, New York, USA
11	09.01.2019	IoT	Dr. Himadri Nath Saha	University of Nevada, Las Vegas, USA
12	18.01.2019	IoT	Dr. Himadri Nath Saha	Lincoln University College, Malaysia
13	10.01.2019	Machine learning	Sourav Saha	IEM
14	21.12.2018	Theoretical Computer Science	Sukanya Mukherjee	IEST

## PLACEMENT

The placement process is going on currently. CSE students are getting placed in renowned companies like TCS, CTS, Infosys, Wipro etc. The current average salary as of now is 5.2 LPA. Some of the achievements as on date are highlighted below –

- TCS Digital Enterprise selected 24 students with a package of 7 LPA out of which 13 were from CSE Department.
- Infosys selected 10 students out of which 1 was placed with 8LPA package, 8 with 5 LPA package and 1 with 3.6LPA package.
- Already 6 dual offers have been accepted by CSE students.



## TRI-MENTORING AND ALUMNI INTERACTION ACTIVITIES

<b>Details of Trimentoring - Industry Interaction (Time Period: JULY'18 - 31st JAN'19)</b>				
<b>Sl No</b>	<b>Date</b>	<b>Taken By</b>		<b>Attended By</b>
		<b>Name of the Person</b>	<b>Organisation</b>	
1	4 Aug 18	Rajarshi Chatterjee	Director, Diracsoft	CSE students
2	11 Aug 18	Mrityunjoy Panday	Senior Architect, Cognizant	CSE students
3	1 Sep 18	Susanta Sengupta	Tata Consultancy Services	CSE students
4	8 Sep 18	Susanta Sengupta	Tata Consultancy Services	CSE students
5	15 Sep 18	Sayan Goswami	Cognizant Technology Solutions	CSE students
6	22 Sep 18	Sayan Goswami	Cognizant Technology Solutions	CSE students
7	5 Oct 18	Pawan Mundhra	NRI FinTech Pvt Ltd.	CSE students
8	17 Nov 18	Mrityunjoy Panday	Senior Architect, Cognizant	CSE students
9	19 Nov 18	Biswanath Saha	Director, Dearleaf Solutions	CSE students
10	20 Nov 18	Saikat Dutta	TCS	CSE students
11	22 Nov 18	Saikat Dutta	TCS	CSE students
12	31 Jan 19	Rajarshi Chatterjee	Director, Diracsoft	CSE students

<b>Details of Trimentoring - Alumni Mentoring (Time Period: JULY'18 - 31st JAN'19)</b>				
<b>Sl NO</b>	<b>Alumni Mentoring Session</b>		<b>Date</b>	<b>Attended By</b>
	<b>Name of the Alumni</b>	<b>Batch</b>		
1	Subarna Chatterjee	2012	19 Jul 18	CSE students
2	Subhadeep Sarkar	2012	19 Jul 18	CSE students
3	Abhishek Goswami	2015	22 Aug 18	CSE students
4	Uttaran Bhattacharya	2015	27 Aug 18	CSE students
5	Praveen Beheti	2017	5 Sep 18	CSE students
6	Aratrika Sarkar	2014	15 Nov 18	CSE students
7	Nilanjan Daw	2016	23 Nov 18	CSE students
8	Sourav	2016	25 Nov 18	CSE students
9	Satadru Majumder	2015	21 Dec 18	CSE students

## PUBLICATIONS

### Faculty

Books				
Sl No	Name of the Book	Authors	Name of Publisher	Status
1	Machine Learning	Amit Kumar Das	Pearson	Published
2	Nano Material, Vol.1	Kamakhya Prasad Ghatak	DeGruyter	In press
3	WBUT Database Management System	Himadri Nath Saha	Systech Education	Published

Journals		
Sl. No.	Authors	Journal Name
1	Anupam Mondal	Cognitive Computation
2	Kamakhya Prasad Ghatak	Materials Focus 7
3	Kamakhya Prasad Ghatak	Materials Focus 7
4	Kamakhya Prasad Ghatak	Journal of nanoscience and nanotechnology
5	Nilanjana Dutta Roy	Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization, Taylor & Francis
6	Himadri Nath Saha	I.J.Computer Network and Information Security
7	Sourav Saha & Sayantan Rana	IJAMS
8	Amit Kumar Das	Expert Systems with Applications
9	Amit Kumar Das	Expert Systems with Applications
10	Amit Kumar Das	Pattern Analysis and Applications
11	Kamakhya Prasad Ghatak	Journal of Computational and Theoretical Nanoscience
12	Kamakhya Prasad Ghatak	Journal of Nanoscience and Nanotechnology
13	Kamakhya Prasad Ghatak	Materials Focus 6
14	Kamakhya Prasad Ghatak	Materials Focus 6
15	Kamakhya Prasad Ghatak	Materials Focus 6
16	Kamakhya Prasad Ghatak	Journal of nanoscience and nanotechnology
17	Kamakhya Prasad Ghatak	Journal of nanoscience and nanotechnology
18	Himadri Nath Saha	International Journal of Intelligent Systems and Applications (IJISA)
19	Himadri Nath Saha	International Journal of Computer Network and Information Security (IJCNIS)
20	Himadri Nath Saha	Turkish Journal Of Electrical Engineering & Computer Sciences

Conferences				
Sl No	Topic of Publication	Authors	Conference Name	Status
1	Machine Learning	Amit Kumar Das	CICBA 2018	Accepted
2	Machine Learning	Amit Kumar Das	IEMGRAPH 2018	Accepted
3	Machine Learning	Amit Kumar Das	IEMGRAPH 2018	Accepted
4	Machine Learning	Amit Kumar Das	IEMGRAPH 2018	Accepted
5	Machine Learning	Amit Kumar Das	IEMGRAPH 2018	Accepted
6	Machine Learning	Amit Kumar Das	IEMGRAPH 2018	Accepted
7	IoT	Gourab Panda	IEMENTECH 2018	Accepted
8	Natural Language Processing	Koushik Deb	IEMGRAPH 2018	Accepted
9	Natural Language Processing	Monalisa Dey	IEMGRAPH 2018	Accepted
10	Natural Language Processing	Monalisa Dey	ELED 2018	Accepted
11	Cellular Automata	Sukanya Mukherjee	EAIT 2018	Accepted
12	Cellular Automata	Sukanya Mukherjee	ACRI 2018	Accepted
13	Image Processing	Nilanjana Dutta Roy	compImage 2018	Accepted
14	Image Processing	Nilanjana Dutta Roy	ISMAC-CVB 2018	Accepted
15	Image Processing	Nilanjana Dutta Roy	ISMAC-CVB 2018	Accepted
16	Image Processing	Nilanjana Dutta Roy	CICBA 2018	Accepted
17	Image Processing	Nilanjana Dutta Roy	IEMGRAPH 2018	Accepted
18	Image Processing	Nilanjana Dutta Roy	IEMGRAPH 2018	Accepted
19	Image Processing	Nilanjana Dutta Roy	IEMGRAPH 2018	Accepted
20	Image Processing	Nilanjana Dutta Roy	IEMGRAPH 2018	Accepted
21	Image Processing	Nilanjana Dutta Roy	IEMGRAPH 2018	Accepted
22	Image Processing	Nilanjana Dutta Roy	CICBA, 2018	Accepted
23	Approximate Computing	Sumanta Chakraborty	IOSR-JBM 2018	Accepted
24	IoT	Tufan Saha	IEMENTECH 2018	Accepted
25	Biochip Testing	Sourav Ghosh	ATS 2018	Accepted
26	Networking	Srijita Basu	ICTIS 2018	Accepted
27	Image Processing	Shreejita Mukherjee	IEMGRAPH 2018	Accepted
28	Natural Language Processing	Anupam Mondal	IEMGRAPH 2018	Accepted
29	Natural Language Processing	Anupam Mondal	IEMGRAPH 2018	Accepted
30	Natural Language Processing	Anupam Mondal	IEMGRAPH 2018	Accepted
31	Natural Language Processing	Anupam Mondal	IEMGRAPH 2018	Accepted
32	Image Processing	Sayantana Rana	IEMGRAPH 2018	Accepted
33	Data mining & Game Theory	Sayantana Rana	IEMGRAPH 2018	Accepted

Conferences				
Sl No	Topic of Publication	Authors	Conference Name	Status
34	Machine Learning	Sayantana Rana	IEMGRAPH 2018	Accepted
35	Machine Learning	Sayantana Rana	IEMGRAPH 2018	Accepted
36	Sensor Network	Debika Bhattacharyya	IEMGRAPH 2018	Accepted
37	Image Processing	Debika Bhattacharyya	IEMGRAPH 2018	Accepted
38	Data Mining	Debika Bhattacharyya	IEMGRAPH 2018	Accepted
39	Image Processing	Sourav Saha	IEMGRAPH 2018	Accepted
40	Image Processing	Sourav Saha	IEMGRAPH 2018	Accepted
41	Image Processing	Sourav Saha	IEMGRAPH 2018	Accepted
42	NLP	Anupam Mondal	The Thirteenth International Joint Symposium on Artificial Intelligence and Natural Language Processing, Pattaya, Thailand	Accepted
43	NLP	Anupam Mondal	15th International Conference on Natural Language Processing, Punjabi University, Patiala, India	Accepted
44	Networking	Darothi sarkar	Intelligent Decision Technologies, 2018	Accepted
45	IoT	Himadri Nath Saha	IEEE IEMCON 2018	Accepted
46	IoT	Himadri Nath Saha	IEEE IEMCON 2018	Accepted
47	IoT	Himadri Nath Saha	IEEE IEMCON 2018	Accepted
48	IoT	Himadri Nath Saha	IEEE IEMCON 2018	Accepted
49	IoT	Himadri Nath Saha	IEEE IEMCON 2018	Accepted
50	IoT	Himadri Nath Saha	IEEE UEMCON 2018	Accepted
51	NLP	Anupam Mondal	Thirtieth International Florida Artificial Intelligence Research Society Conference	Accepted

## Students

Conferences				
Sl No	Topic of Publication	Authors	Conference Name	Status
1	Machine Learning	Gulshan Kumar	IEMGRAPH 2018	Accepted
2	Machine Learning	Debraj Ghosh	IEMGRAPH 2018	Accepted
3	NLP	Sharob Sinha	IEMGRAPH 2018	Accepted
4	Machine Learning	Vaibhav Chaturvedi	IEMGRAPH 2018	Accepted
5	Machine Learning	Attri Ghoshal	IEMGRAPH 2018	Accepted
6	Machine Learning	Pratap Chandar Sen	IEMGRAPH 2018	Accepted

Conferences				
Sl No	Topic of Publication	Authors	Conference Name	Status
7	Image Processing & Machine Learning	Subham Sadhukhan	IEMGRAPH 2018	Accepted
8	NLP	Sayan sil	IEMGRAPH 2018	Accepted
9	Deep Learning	Rajarshi Lahiri	IEMGRAPH 2018	Accepted
10	Image Processing	Ayon Ghosh	IEMGRAPH 2018	Accepted
11	Cryptography	Sumiran Naman	IEMGRAPH 2018	Accepted
12	Machine Learning	Abhirup Das	IEMGRAPH 2018	Accepted
13	Image Processing	Soumi Bhunia	IEMGRAPH 2018	Accepted
14	Image Processing	Subham Debnath	IEMGRAPH 2018	Accepted
15	Machine Learning	Bipul Shaw	IEMGRAPH 2018	Accepted
16	Computer vision	Vishal Narnolia	IEMGRAPH 2018	Accepted
17	Bigdata	Ranjit Roy	IEMGRAPH 2018	Accepted
18	Recommendation System	Dip Paul	IEMGRAPH 2018	Accepted
19	Image Processing	Tanmoy Banerjee	IEMGRAPH 2018	Accepted
20	Image Processing	Sweta shaw	IEMGRAPH 2018	Accepted
21	Image Processing	Sumit Prakash	IEMGRAPH 2018	Accepted
22	Machine Learning	Souptik Pal	IEMGRAPH 2018	Accepted
23	Machine Learning	Saket Kedia	IEMGRAPH 2018	Accepted
24	Crowd Analysis	Sayan Dutta	IEMGRAPH 2018	Accepted
25	IoT	Souptik Paul	IEEE IEMCON 2018	Accepted
26	IoT	Sayan Banerjee	IEEE IEMCON 2018	Accepted
27	IoT	Tanishq Banerjee	IEEE IEMCON 2018	Accepted
28	Automated System	Rahul Shaw	IEEE IEMCON 2018	Accepted
29	Monitoring System	Nixon Dutta	IEEE IEMCON 2018	Accepted
30	IoT	Nixon Dutta	IEEE IEMCON 2018	Accepted
31	Smart mirror	Supratim Auddy	IEEE IEMCON 2018	Accepted
32	IoT	Supratim Audd	IEEE IEMCON 2018	Accepted
33	IoT	Supratim Auddy	IEEE IEMCON 2018	Accepted
34	Data Intrusion detection	Nabhoneil Chattopadhyay	IEEE IEMCON 2018	Accepted
35	IoT	Supratim Auddy	IEEE IEMCON 2018	Accepted
36	IoT	Supratim Auddy	IEEE IEMCON 2018	Accepted
37	OS	Supratim Auddy	IEEE IEMCON 2018	Accepted
38	Machine Learning	Debpriyo Paul	IEEE IEMCON 2018	Accepted
39	Smart Motorcycle	Suvrojit Kumar Saha,	IEEE UEMCON 2018	Accepted
40	Inverter	Shounak Roy Chowdhury	IEEE UEMCON 2018	Accepted
41	Robotics	Sandipan Chakraborty	IEEE UEMCON 2018	Accepted

# ELECTRONICS & COMMUNICATION ENGINEERING

### Department Statistics:

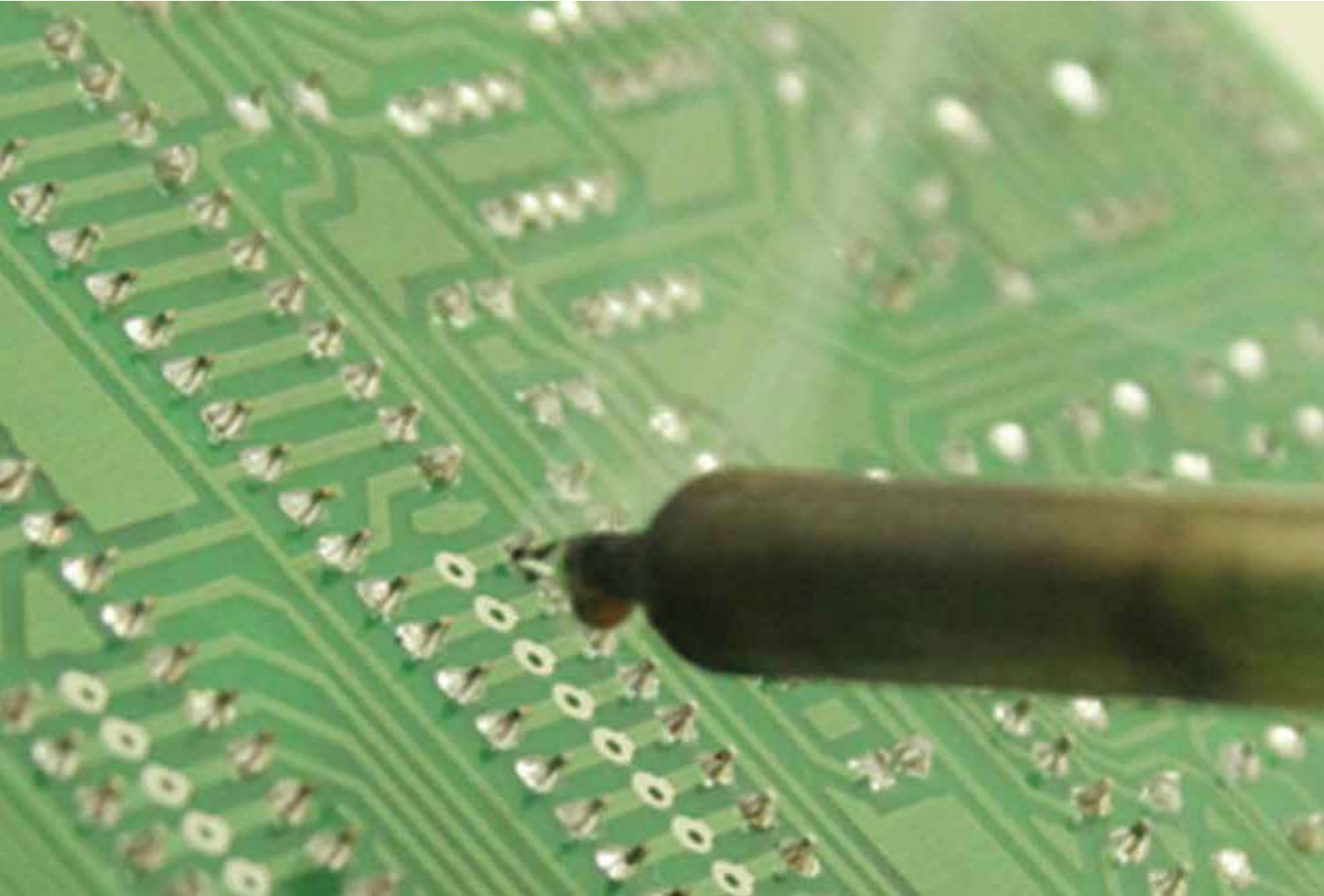
**Faculty Strength: 36**

**Student Strength: 706**

**Year of Establishment: 1997**

### Objectives

The department puts strong emphasis on imparting practical education by carefully administering proper lab work to complement their theoretical knowledge. The department perseveres to equip students with capabilities to transcend the boundaries of academic realms to integrate their knowledge with innovation and forward thinking.



## GOALS AND PLANS FOR NEXT YEAR

- Maximum faculty up gradation
- More students should join higher studies in national and international institutes of repute directly after finishing the program
- To become center of excellence in research in the following focused areas – VLSI, Antenna Design, Material Science, etc.
- To develop interaction with different institute and industries for research and consultancy.





# INSTITUTE OF ENGINEERING & MANAGEMENT

Department of Electronics & Communication Engineering

## NEW ADDITIONS

Department of Electronics & Communication Engineering have a dedicated research lab catering to the needs of all faculties and students in promoting innovation and creativity in the field of research & development. The R & D Lab of the Department plays a major role in the success of its students and faculties, which can be observed from the huge number of patents and publications produced in the last 3 years.



**Radio Telescope Laboratory**



**AGILENT N1996A-503  
3GHz CSA-Spectrum**



**ECR Plasma Enhanced  
Multipurpose Film Deposition**

### MILESTONE EVENTS

### IEEE IEMCON 2018 (1st-3rd November, 2018) at UBC, Canada



IEEE IEMCON 2018 aims to bring together scholars from different disciplinary backgrounds to emphasize dissemination of ongoing research in the fields of Information Technology, Electronics and Mobile Communication. Contributed papers are solicited describing original works in the above mentioned fields and related technologies. The conference included a peer-reviewed program of technical sessions, special sessions, business application sessions, tutorials, and demonstration sessions. **All accepted papers were presented during the parallel sessions of the Conference and papers were submitted for publication at IEEE Xplore Digital Library (Scopus, DBLP, EiCompendex, Web of Science and Google Scholar).** This Conference was sponsored by IEEE Vancouver Section, University of British Columbia- Wireless Networks and Mobile Systems Laboratory ,Symroc, Aidant Intelligent Technology, Health Gauge, MR Control System International Inc., Novarc, Quirk Logic, Trakopolis& NCS Multistage, Canadian Space Agency.

### **IEMENTech 2018** (4th -5th May, 2018) at Kolkata, India



**2<sup>nd</sup> International Conference on Electronics, Materials Engineering and Nano-Technology (IEMENTech 2018)** was organized by **Electronics and Communication Engineering Department of IEM, Kolkata**, at **IEM Gurukul Campus, College More, Saltlake, Kolkata, West Bengal** during **May 4th-5th, 2018**. The scientific deliberations of the conference covered diversified topics on **Electronics, Materials Engineering, Nano Science and Technology**.

**The dignitaries of national and international repute addressed the faculty members, reserachers and the students. The keynote speakers whose presence made the conference a grand success were Dr. Masahiro Fujita (University of Tokyo), Dr. Samit Kumar Ray (SN Bose National Centre for Basic Sciences), Dr. SubhashBhalla (University of Aizu) and Dr. Nil RatanBandyopadhyay (IEST, Shibpur).**

**About 101 papers were accepted out of 180 submitted papers** and all the contributed papers were presented in the technical sessions which were published in the conference compendium. The accepted papers will be published in **IEEE digital explore**. The valedictory session was graced by **Dr. SaikatMaitra (Vice-Chancellor, MAKAUT)** who awarded the best paper award for national and international category to the deserving authors.

## IEEE CCWC 2018 (8-10 January,2018) at Las Vegas



- IEEE CCWC 2018 organized from **8-10 January,2018** in collaboration with IEEE and University of Nevada at Las Vegas..
- Nearly **500** papers were received from countries like **USA, China, Canada, Austria, Spain, Morocco, Saudi Arabaia, Brazil, Germany, Egypt**, etc.
- About **169** papers were accepted with an acceptance ration of **34.4%**.
- The keynote speakers to grace the occasion were Dr. Martin C. Carlisle, Dr. Pierre Larochelle, Dr. Hal Berghel, Dr. David Isaacson, Dr. Jenq-Neng Hwang, Dr. Aaron E. Cohen, Dr. Thomas Kunz, Dr. Nan Wang, Dr. Robert Mitchell, Dr. ThailerHayajneh and many more.

## RESEARCH, PUBLICATIONS AND CONSULTANCY

### List of Pending Patents

Sl No	Applicant Name	Title	Patent Number
1	Dr. G. S. Taki	A Compact Multipurpose Thin Film Deposition System	1132/KOL/2015
2	Dr. Rijuparna Chakraborty	A holographic lighting structure using Talbot-Lau effect	1137/KOL/2015
3	Dr. Malay Gangopadhyay	Resonant Frequency Optimization and fabrication of Aperture-Coupled Rectangular Microstrip Antenna Using Particle Swarm Optimization Algorithm.	1229/KOL/2015
4	Dr. Rijuparna Chakraborty	Restraining The Motion Of A Fiber Cantilever Tip With An Adaptive Optical Tweezers	1231/KOL/2015
5	Dr. Malay Gangopadhyay	Resonant Frequency Optimization and fabrication of Microstrip Fed Microstrip Antenna Using Particle Swarm Optimization Algorithm	1232/KOL/2015
6	Dr. Rijuparna Chakraborty	Design Of Optical Logic Gates _Patent Proposal	201631006163
7	Arindam Chakraborty	Physical design approach of a novel architecture of a Junction-less transistor having high k- spacers	201631012538
8	Arindam Chakraborty	Implementation of silicon-on-insulator(SOI) based power junction-less transistor device switching in switch mode power supply (SMPS) circuit	201631027479
9	Dr. Malay Gangopadhyay	Resonant Frequency Optimization and fabrication of Coaxially Fed Rectangular Microstrip Antenna Using Particle Swarm Optimization Algorithm	1230/KOL/2015
10	Prof. G.S.Taki	A Permanent Magnet Electron Cyclotron Resonance Plasma Enhanced Multi-Facility Nano-Metric Film Deposition System	Patent Application No: 201731026517, Publication Date: 15/09/2017

Sl No	Applicant Name	Title	Patent Number
11	Prof. G.S.Taki	Solar energy driven ammonia synthesis in wet nitrogen environment using modified perovskite-nanostructure based photo-catalytic water splitting	Publication Date: 15/09/2017
12	Dr. Malay Gangopadhyay	Real Time LPG Gas Monitoring and Automatic Booking Alert with LPG Leakage and Fire Detection	Applied
13	Apratarkya Bandyopadhyay Rohan Basak Ipshita Pal Soham Nag T.K. Rana Malay Gangopadhyay	PRECISE AND EFFICIENT FARMING USING UNMANNED AERIAL VEHICLES	Applied

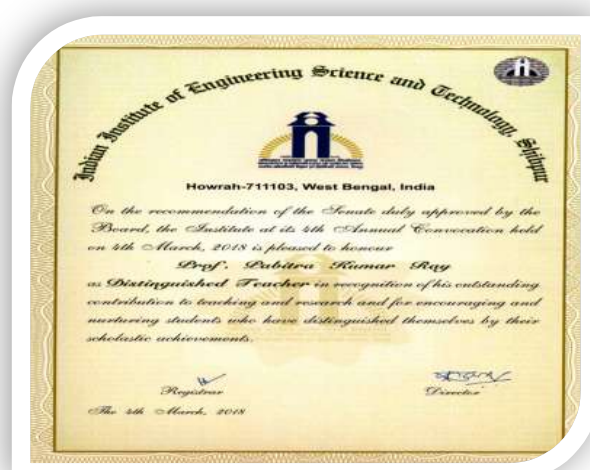
## Statistics of Publications

Category	Number of research paper published
Conference	71
Journal	18

## AWARDS & RECOGNITION ACHIEVED BY TEACHERS



Prof. Ratna Chakrabarty was awarded the certificate of appreciation for being the SPOC of NPTEL Local Chapter



Prof. P. K. Ray was awarded the certificate of Distinguished Teacher from IEST, Shibpur for his outstanding contribution to the institute ;

Name of Faculty	Designation	Award/Achievement Details
Prof. Ratna Chakrabarty	Assistant Professor	Certificate of appreciation for being the SPOC of NPTEL Local Chapter
Prof. P.K.Ray	Professor	Certificate of Distinguished Teacher from IEST, Shibpur
Dr. Rijuparna Chakraborty	Assistant Professor	Breakthrough Award
Dr. Sankyabrata Bandopadhyay	Associate Professor	CSIR Research Associate (Post Doctoral fellowship)

## AWARDS & RECOGNITION ACHIEVED BY STUDENTS



Certificate of AKASH MOHTA, Silver Medalist for UG in 2017

Name of the student / Faculty	Batch / Designation	Award/chievement Details
AKASH MOHTA	2017	Silver Medalist for UG
Neha Kapoor	2017	ISRO Exam topper
Sougata Hanra	2019	Qualified for the grand finals of engiNX, 2018, flagship contest of TCS EIS&IOT
Suvam Das	2019	Qualified for the grand finals of engiNX, 2018, flagship contest of TCS EIS&IOT
Shaswata Chatterjee	2019	Qualified for the grand finals of engiNX, 2018, flagship contest of TCS EIS&IOT
Sunetra Bhattacharyya	2019	Qualified for the grand finals of engiNX, 2018, flagship contest of TCS EIS&IOT
Shankha Mukherjee	2018	University 2nd Rank: Silver medalist
Raisana Hossain	2018	University 1st Rank: Gold Medalist
Suman Kumari Sao	2018	University 3rd Rank: Bronze Medalist



# INSTITUTE OF ENGINEERING & MANAGEMENT

Department of Electronics & Communication Engineering

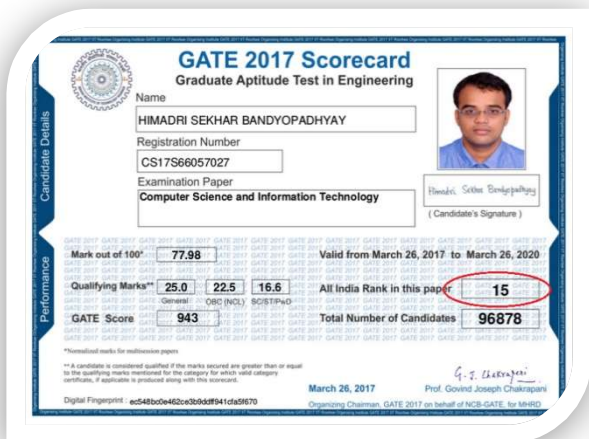
Name of the student / Faculty	Batch / Designation	Award/chievement Details
Mainak Dasgupta	2018	University 3rd Rank:Bronze Medalist

Details of higher studies opted by the last pass out batch students		
Name of the student	Batch	Details of Higher Study
Tanaya Banerjee	2018	South California University
RupsaGarai	2018	NIT, Warangal
Abhranila Das	2018	IEST, Shibpur
DeblinaMajumdar	2018	VIT, Vellore
Amartya Mukherjee	2018	SRM University, Chennai
Debdutta Nag	2018	NIA, Pune
Gaurab Bhattacharya	2018	IIT Bhubaneswar
Mayukh Roy	2018	IIT Kharagpur
MdMinhazuddin	2018	IIT Kharagpur
Shankha Mukherjee	2018	IIT Madras
Subhojoy Dey	2018	University of Maryland
Suman Kundu	2018	IIT Kanpur
Ankita Chatterjee	2018	IIT Kharagpur
Suvoshree Bhattacharya	2018	IIT Kharagpur
Rohan Roy	2018	IIM Ranchi
SupanthaSen	2018	IISC Bangalore
BiswarupDebnath	2018	IISC Bangalore
Vipul Kumar	2018	IISC Bangalore
Gautam Kumar	2018	IIT Hyderabad
Mahesh Taparia	2018	IIT Hyderabad
Arindam Ray	2018	Jadavpur University
Kaustuv Mukherjee	2018	Jadavpur University
Anik Naha Biswas	2018	IEST, Shibpur
Jasmina Biswas	2018	North Carolina State University, Raleigh
Utsab Ray	2018	North Carolina State University, Raleigh
Gaurav Sarkar	2018	Texas A&M University
Pritom Paul	2018	Karlsruhe Institute of Technology
AkashSinghania	2018	IIFT, Kolkata
Pritam De	2018	Calcutta University
Priyanka Paul	2018	Institute of Engineering & Management, Kolkata
Raisana Hossain	2018	Jadavpur University
Mainak Dasgupta	2018	Jadavpur University



### Details of higher studies opted by the last pass out batch students

Name of the student	Batch	Details of Higher Study
Biswadeep Upadhyay	2018	Jadavpur University



Himadri Bandopadhyaya Ranked AIR 15 in GATE 2017



Samanway Guha is pursuing Masters degree at the University of Sheffield. He had also got admits from the University of Southampton, Glasgow University, Kings College London, Queen Mary, University of London, University of Nottingham.

Gaurav Sarkar, 2017 batch IEM ECE alumnus has got an admit from the prestigious Texas A& M University (TAMU). Besides TAMU, Gaurav has got admits in Penn State, Virginia Tech, North Carolina State University, University of Southern California, Arizona State University, Iowa State University.





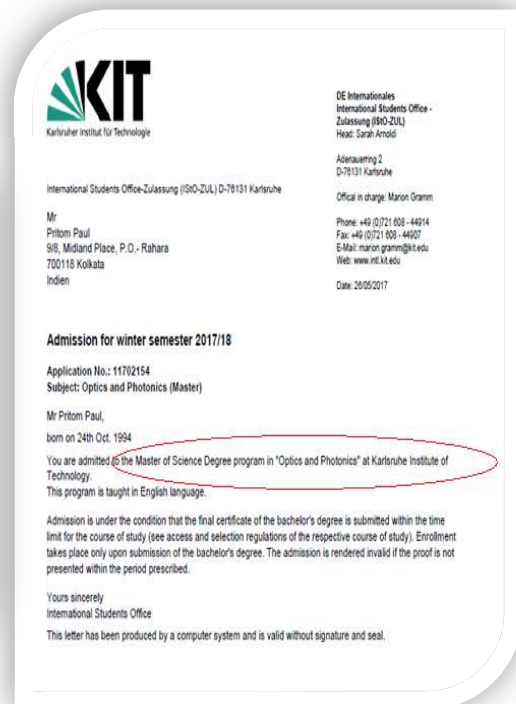
Subhojoy Dey got admit in the very prestigious University of Maryland at College Park. University of Maryland at College Park is ranked with top 50 colleges in the world. It is a public ivy university.

Sougata Hanra, Suvam Das, Shaswata Chatterjee, Sunetra Bhattacharyya, students of Institute of Engineering & Management (IEM) have qualified for the grand finals of engiNX, 2018, flagship contest of TCS EIS&IOT happened annually. 70 thousand teams took part in the competition; they are among the top 5 teams all over India for the finals.





Kuntal Sengupta, 2017 alumnus, got admission letter for M.S. from University of Calgary



Pritom Paul, IEM ECE 2017 alumnus, received offer for higher studies at the Karlsruhe Institute of Technology, Germany.

### ENTREPRENEURSHIP

- 1. Done By:** Kumar Sumit, Debarshi Das, Gaurav Tiwari, Kaunish Roy, Dwijendra Vats, Kumar Sumit, Debarshi Das, Gaurav Tiwari, Kaunish Roy, Dwijendra Vats, ECE HOD Prof. Dr Malay Gangopadhyay, standing proudly along with their Innovative project - Electric Bicycle.

**Key Highlights:** The students started their own start up named “Flamingo Electric Vehicles Llp”. They sell the Bicycle for approx Rs 15,000.

They are planning to recycle

old laptop batteries and bring down the costs further and helping the environment by recycling the batteries.



- 2. Done by:** Shamik Guha

**Key Highlights:** Altor started out as an idea to develop a smart helmet, that was geared towards helping enthusiasts and casual users alike obtain a chance at state-of-the-art, distraction-free safety and handsfree technologies - all without breaking the bank. Today, the Altor smart helmet is a very real product, catering to a dedicated motorbike community. Prototypes have been made, customers have been reviewed, and we are set to make our mark and help every biker on every street.

- 3. Done by:** SugataKundu

**Key Highlights:** IEM daily class notes (I\_Educate Myself with daily class notes) is an android app where one can get softcopy of Excellent Class Notes of Top Faculties in a very Organised way.

### NATIONAL & INTERNATIONAL COLLABORATIONS AND ACTIVITIES & MOUS

Faculty name	Collaborations
Dr. Malay Gangopadhyaya	Jadavpur University
Dr. Malay Gangopadhyaya	British Columbia Institute of Technology
Dr. Atanu Panda	Anna University
Dr. Rintu Kumar Gayen	IIT (ISM), Dhanbad
Dr. Rintu Kumar Gayen	IIT, Kharagpur
Dr. Sankhyabrata Bandyopadhyay	CSIR-CGCRI, Kolkata
Dr. Sankhyabrata Bandyopadhyay	Indian Association for the Cultivation Of Science, Kolkata
Indranil Basu	Bose Institute, Kolkata
Dr. K.K. Ghosh	IISc, Bangalore
Dr. G.S. Taki	IISc, Bangalore
Dr. G.S. Taki	UGC-DAE CSR, Kolkata Center
Dr.G.S. Taki	CRNN, Kolkata



**Students of ECE Department developed a smart helmet system for Texas Instruments Challenge 2017 and qualified for the finals**

### FDPS/DISTINGUISHED LECTURES ORGANIZED

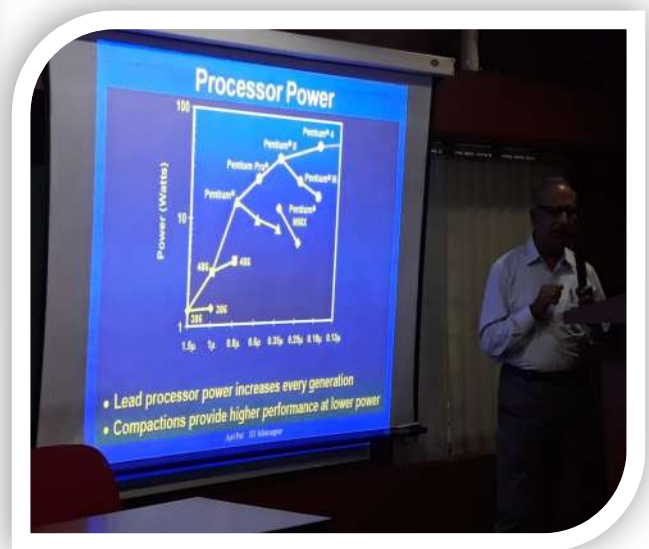
**VENUE:** Seminar Auditorium

**DATE:** 2<sup>nd</sup> August, 2018-8<sup>th</sup> August, 2018

**Target Audience:** Faculty members of ECE Department



**Prof. Amitava Patra, from Indian Association for the Cultivation of Science delivering his talk**



**Prof Ajit Pal from IIT, Kharagpur delivering lecture**

A faculty development program was conducted by department of Electronics & Communication Engineering from 2nd August, 2018-8th August, 2018. Prof. Amitava Patra, from Indian Association for the Cultivation of Science delivered lecture on “Nanomaterials based Light Harvesting System” on 2nd August, 2018. It was followed by application oriented assignments on optical devices. Prof. Amlan J. Pal from Indian Association for the Cultivation of Science gave a talk on “Organic Semiconductors to Organic Electronics” on 7th August, 2018. Prof Ajit Pal from IIT, Kharagpur delivered a talk on “ Low power VLSI”.

**VENUE:** Seminar Auditorium

**DATE:** 12<sup>th</sup> July, 2018

**Target Audience:** Faculty members & Students of ECE Department

Prof. Suprio Bandyopadhyay, Professor of the Department of Electrical and Computer Engineering, Virginia Commonwealth University, delivered his lecture on "Image Processing with dipole coupled nanomagnets".



**VENUE:** Seminar Auditorium

**DATE:** 28<sup>th</sup> July, 2018

**Target Audience:** Faculty members & Students of ECE Department

Prof. Bhaskar Gupta, Professor, Jadavpur University, delivers a lecture on "Fundamentals of radiation" to the students.



**VENUE:** Seminar Auditorium

**DATE:** 3<sup>rd</sup> November, 2018

**Target Audience:** Faculty members & Students of ECE Department

Dr. Angshuman Sarkar, Chairman, IEEE EDS, Kolkata Chapter delivered a talk on basic electronic devices.



**VENUE:** Seminar Auditorium

**DATE:** 3<sup>rd</sup> November, 2018

**Target Audience:** Faculty members & Students of ECE Department

Dr. Manas Chanda, Secretary, IEEE EDS, Kolkata Chapter delivered a talk on “INTRODUCTION TO TFET, WORKING PRINCIPLE AND APPLICATIONS” to the students and faculty members.

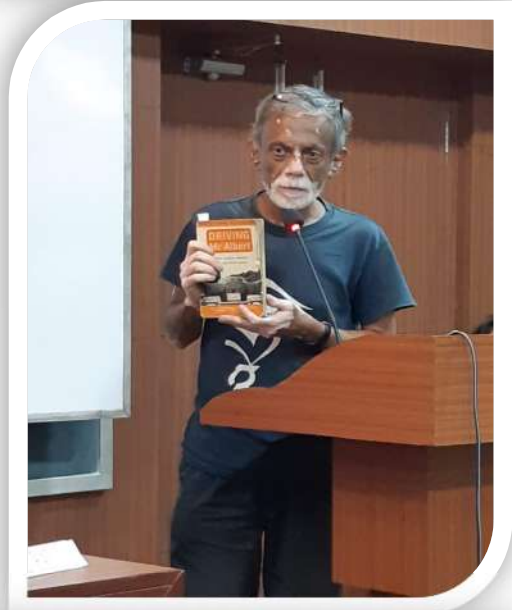


**VENUE:** Seminar Auditorium

**DATE:** 15<sup>th</sup> September, 2018

**Target Audience:** Faculty members & Students of ECE Department

Gautam Basu, Bose Institute delivered a motivational talk to the students and faculty members on biography of Dr. S. N. Bose.



**VENUE:** Seminar Auditorium

**DATE:** 8<sup>th</sup> August, 2018

**Target Audience:** Faculty members & Students of ECE Department

Prof. Kaushik Dassharma, Calcutta University delivered a lecture to the faculty members and students.







# INSTITUTE OF ENGINEERING & MANAGEMENT

Department of Electronics & Communication Engineering

**VENUE:** Seminar Auditorium

**DATE:** 17<sup>th</sup> August, 2018

**Target Audience:** Faculty members & Students of ECE Department

RajatSubhraChakraborty, IIT, Kharagpur delivered a talk on “Unclonable Integrated circuits” to the teacher and students.



**VENUE:** Seminar Auditorium

**DATE:** 4<sup>th</sup> September, 2018

**Target Audience:** Faculty members & Students of ECE Department

Prof. Dr. SanatanChattopadhyay and Prof. Dr. AtanuKundu were the Guests for the Seminar organized by IEEE EDS Students Chapter. They delivered a talk on electron devices.



**VENUE:** LG 5.11

**DATE:** 11<sup>th</sup> August, 2018

**Target Audience:** 2<sup>nd</sup> Year, Students of ECE Department

Hackcieux conducting one day workshop on “Ethical Hacking” for the 2<sup>nd</sup> Year students of the department.



**VENUE:** Seminar Hall

**DATE:** 28<sup>th</sup> July, 2018

**Target Audience:** 2<sup>nd</sup> Year, Students of ECE Department

One day workshop on “Antenna Technology” was conducted for 2<sup>nd</sup> Year students of the department by Prof. Dr. R.K. Gayen.



**VENUE:** Seminar Hall

**DATE:** 11<sup>th</sup> September, 2018

**Target Audience:** 2<sup>nd</sup> Year, Students of ECE Department

One day workshop on “Fundamentals of Coding” was conducted on 11<sup>th</sup> September, 2018 by Prof. Sumita Ghosh



<b>FDPs Conducted</b>			
<b>Sl No</b>	<b>Date</b>	<b>Topic</b>	<b>Conducted by</b>
1	12th July, 2018	Prof. Suprio Bandyopadhyay, Professor of the Department of Electrical and Computer Engineering, Virginia Commonwealth University, delivered his lecture on "Image Processing with dipole coupled nanomagnets".	Prof. Indranil Basu
2	28th July, 2018	Prof. Bhaskar Gupta, Professor, Jadavpur University, delivers a lecture on "Fundamentals of radiation" to the students	Prof. Srijita Chakraborty
3	2nd August, 2018	Prof. Amitava Patra, Indian Association for the Cultivation of Science, Topic: Nanomaterials based Light Harvesting System.	Prof. Ratna Chakraborty, Prof. Mili Sarkar
4	7th August, 2018	Prof. Amlan J. Pal, Indian Association for the Cultivation of Science, Topic: Organic Semiconductors to Organic Electronics	Prof. Ratna Chakraborty, Prof. Mili Sarkar
5	8th August, 2018	Prof Ajit Pal EX Professor IITKGP Topic: Low power VLSI	Prof. Ratna Chakraborty, Prof. Mili Sarkar

<b>Distinguished Lecture Series</b>				
<b>Sl No</b>	<b>Personality Name</b>	<b>Organization</b>	<b>Date</b>	<b>Attended By</b>
1	Prof. Suprio Bandyopadhyay, Professor of the Department of Electrical and Computer Engineering, Virginia Commonwealth University, delivered his lecture on "Image Processing with dipole coupled nanomagnets".	Virginia Commonwealth University,	12th July, 2018	Faculty Members & Students
2	Prof. Bhaskar Gupta, Professor, Jadavpur University, delivers a lecture on "Fundamentals of radiation" to the students	Jadavpur University	28th July, 2018	Faculty Members & Students
3	Prof. Amitava Patra, Indian Association for the Cultivation of Science, Topic:	Indian Association for the Cultivation of	2nd August, 2018	Faculty Members & Students

Distinguished Lecture Series				
Sl No	Personality Name	Organization	Date	Attended By
	Nanomaterials based Light Harvesting System.	Science		
4	Prof. Amlan J. Pal, Indian Association for the Cultivation of Science, Topic: Organic Semiconductors to Organic Electronics	Indian Association for the Cultivation of Science	7th August, 2018	Faculty Members & Students
5	Prof Ajit Pal Topic: Low power VLSI	IIT Kharagpur	8th August, 2018	Faculty Members & Students
6	Prof. Andrew Park on Machine Learning	Thompson River University, Canada	21st August, 2018	Faculty Members & Students
7	Dr. Angshuman Sarkar, Chairman, IEEE EDS, Kolkata Chapter	Chairman, IEEE EDS, Kolkata Chapter	3rd November, 2018	Faculty Members & Students
8	Dr. Manas Chanda, Secretary, IEEE EDS, Kolkata Chapter	Secretary, IEEE EDS, Kolkata Chapter	3rd November, 2018	Faculty Members & Students
9	Jishnu Banerjee	Cisco	11th October, 2018	Faculty Members & Students
10	Tuhin De	NTPC	13th September, 2018	Faculty Members & Students
11	Prof.KaushikDarsham	Calcutta University	8th August, 2018	Faculty Members & Students

## PLACEMENT

Placement Statistics for the Department							
Name of the Department: ECE				Odd Semester: 2018-19			
Sl No	Pass Out Batch Year	Batch Strength	Students opting out of the Placement process/ Not eligible for Placement	Number of Students Placed till 19th February, 2019	Total Number of offers received by Placement Seeking Students	Maximum Package	Average Package
1	2018	214	43	140	148 (till 08.08.2018)	8.25 LPA	4.45 LPA
2	2019	225	44	131	142	34.97 LPA	7.16 LPA



# INSTITUTE OF ENGINEERING & MANAGEMENT

**Department of Electronics & Communication Engineering**

<b>Company Details for the Department</b>					
<b>Name of the Department: ECE</b>				<b>Odd Semester: 2018-19</b>	
<b>Sl No</b>	<b>Pass Out Batch Year</b>	<b>Batch Strength</b>	<b>Name of the company</b>	<b>Number of Students Placed till 19th February, 2019</b>	<b>Package</b>
1	2018	214	Sankalp Semiconductor	4	4 LPA
2	2018	214	Softlink	3	4.5 LPA
3	2018	214	Mindteck	1	4 LPA
4	2018	214	TCS	100	3.45 LPA
5	2018	214	Labvantage	2	3.5 LPA
6	2018	214	Innoraft Solution	1	3.6 LPA
7	2018	214	DxCorr	6	3.2 LPA
8	2018	214	Wipro	5	3.25 LPA
9	2018	214	CTS	13	6.65 LPA
10	2018	214	Keevs	1	2.4 LPA
11	2018	214	Progility	1	4 LPA
12	2018	214	HSBC	1	7 LPA
13	2018	214	ARW	2	8.25 LPA
1	2019	225	TCS Digital	9	7 LPA
2	2019	225	E & Y	4	4.25 LPA
3	2019	225	GreyB	2	5.2 LPA
4	2019	225	IBM	4	4 LPA
5	2019	225	Linkedin	1	34.97 LPA
6	2019	225	NRI Fintech	1	4.6 LPA
7	2019	225	TCS Codevita + Ninja	69	3.36 LPA
8	2019	225	Think Analytics	1	6 LPA
9	2019	225	Value Labs	3	4 LPA
10	2019	225	Wipro	14	3.5 LPA
11	2019	225	Infosys Specialist Programmer	1	8 LPA
12	2019	225	Infosys System Engineer	18	3.16 LPA
13	2019	225	Infosys System Engineer Specialist	4	5 LPA



# INSTITUTE OF ENGINEERING & MANAGEMENT

Department of Electronics & Communication Engineering

## TRI-MENTORING AND ALUMNI INTERACTION ACTIVITIES



Arundhuti Datta, alumnus of IEM ( Batch of 2000) addressing the students.



Gaurab Bhattacharya, Alumnus of the department (Batch of 2018) addressing the students.



ParthajitDholey, alumnus of IEM (Batch of 2016) addressing the students

The legendary Speaker Shiv Khera at the IEM UEM function at Biswa Bangla Convention Center delivering his talk to students on 'Winners don't do different things. They do things differently'.



The audience was addressed by Mr. Barin Bhattacharya, Software Engineer of IBM Singapore. Mr. Bhattacharya delivered a talk on IBM manufacturing solution that mainly works on P server and Z server. He also talked on Cloud computing which is named as IBM hybrid cloud. Big data and Automation.



The audience was addressed by Mr. Avik Bhattacharya, Software Engineer of Ixia. He delivered a talk on Modern Networking Trends (with focus on Automotive/Industrial Ethernet and Hyper-scale Data Centers).

### Details of Trimentoring - Industry Interaction (Time Period: JULY'18 - 31st JAN'19)

Sl No	Date	Taken By		Attended By
		Name of the Person	Organisation	
1	9th August, 2018	Santanu Goswami	Director of Data management, SAP Germany	3rd Year Students
2	25th July, 2018	Anish Mohan	Project Manager, TCS	4th Year Students
3	26th July, 2018	Agomoni Sarkar	NRI FINTech	4th Year Students
4	11th October, 2018	Jishnu Banerjee	Cisco	3rd Year Students
5	13th September, 2018	Tuhin De	NTPC	2nd Year Students

Details of Trimentoring - Alumni Mentoring (Time Period: JULY'18 - 31st JAN'19)				
Sl No	Alumni Mentoring Session		Date	Attended By
	Name of the Alumni	Batch		
1	Parthajit Dholey	Alumni (2016)	11th August, 2018	2nd Year Students
2	Gaurab Bhattacharya	Alumni (2018)	4th August,2018	3rd Year Students
3	Arundhuti Datta	Alumni (2000)	28th July, 2018	2nd Year Students
4	Shankha Mukherjee	Alumni (2018)	4th August,2018	3rd Year Students
5	Pratyusha Rakshit	Alumni (2010)	16th August, 2018	3rd Year Students
6	Md Minhazuddin	Alumni (2018)	2nd August,2018	3rd Year Students
7	Mayukh Roy	Alumni (2018)	2nd August,2018	3rd Year Students
8	Suman Kundu	Alumni (2018)	2nd August,2018	3rd Year Students
9	Neha Kapoor	Alumni (2017)	30th August, 2018	2nd Year & 3rd Year Students
10	Shamik Guha	Alumni (2017)	17th August,2018	2nd Year Students
11	Subhojoy Dey	Alumni (2018)	16th August,2018	4th Year Students
12	Annanya Mukherjee	Alumni (2015)	24th November, 2018	3rd Year Students
13	Sumilak Chowdhury	Alumni (2016)	11th August, 2018	2nd Year Students
14	Soham Kanti Bishnu	Alumni (2013)	20st September, 2018	2nd Year Students
15	Dipra Chakraborty	Alumni (2015)	23rd August, 2018	4th Year Students
16	Tanaya Banerjee	Alumni (2018)	21st December, 2018	4th Year Students
17	Rupsa Garai	Alumni (2018)	21st December, 2018	3rd Year Students
18	Abhranila Das	Alumni (2018)	21st December, 2018	4th Year Students
19	Deblina Majumdar	Alumni (2018)	21st December, 2018	3rd Year Students
20	Amartya Mukherjee	Alumni (2018)	21st December, 2018	4th Year Students
21	Debdutta Nag	Alumni (2018)	21st December, 2018	3rd Year Students
22	Gaurab Bhattacharya	Alumni (2018)	21st December, 2018	4th Year Students
23	Mayukh Roy	Alumni (2018)	21st December, 2018	3rd Year Students
24	Md Minhazuddin	Alumni (2018)	21st December, 2018	4th Year Students
25	Shankha Mukherjee	Alumni (2018)	21st December, 2018	3rd Year Students

## PUBLICATION

Journal						
Sl No	Topic of Publication	Authors	Journal Name	Volume	Pages	Status
1	Design of a Controllable Adder-Subtractor circuit using Quantum Dot Cellular Automata	Ratna Chakrabarty et al	IOSR Journal of Electrical and Electronics Engineering	Volume 12, Issue 4	44-59	Published



Journal						
Sl No	Topic of Publication	Authors	Journal Name	Volume	Pages	Status
2	“Design of Frequency Tunable Circular Microstrip Antenna Integrated with Novel Defective Ground Structure”,	Srijita Chakraborty et al	International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE)	Volume 7, Issue 3	173-176	Published
3	“Design & Simulation Of Dgs Integrated Compact Microstrip Patch Antenna”	Srijita Chakraborty et al	International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE)	Volume 6, Issue 7	0843-0847	Published
4	“High Performance DGS Integrated Compact Antenna for 2.4/5.2/5.8 GHz WLAN Band”	Srijita Chakraborty et al	Radioengineering Proceedings of Czech and Slovak Technical Universities, [DOI: 10.13164/re], Radioengineering	VOL. 26, NO. 1	71-77	Published
5	Evaluation of Argon ion irradiation hardening of ferritic/martensitic steel-T91 using nanoindentation, X-ray diffraction and TEM techniques	Dr. G. S. Taki et al	Taylor & Francis	Vol. 26, No. 1, April 2017		Published
6	45 keV N5+ ions induced spikes on CdS thin films: Morphological, structural and optical properties	Dr. G. S. Taki et al	Radiation Effects and Defects in Solids	<a href="https://doi.org/10.1016/j.apsusc.2018.02.208">https://doi.org/10.1016/j.apsusc.2018.02.208</a>		Published
7	State Estimation and Non-Linear Model Based Control of a Continuous Stirred Tank Reactor Using	Atanu Panda et al	Applied Surface Science	Volume 95, Issue 7	1323-1331	Published

Journal						
Sl No	Topic of Publication	Authors	Journal Name	Volume	Pages	Status
	Unscented Kalman Filter					
8	Adaptive Non-linear Model Based Control Scheme Implemented on the Non-linear Processes	ATANU PANDA et al	The Canadian Journal of Chemical Engineering	Volume 91, Issue 4, pp	2735–2753	Published
9	Comparative Studies on Performance of Commercially Available High-Power PC-LED Bulbs Under Tropical Conditions	Arindam Chakraborty et al	Nonlinear Dynamics	VOL 80	151-159	Published
10	Solar Powered Automatic Irrigation System on Sensing Moisture Content Using Arduino and GSM	Gautam Ghosh et al	Energy and Environment. Water Science and Technology Library	Volume 6, Issue 6	549-555	Published
11	DENSITY BASED TRAFFIC LIGHT SYSTEM	Gautam Ghosh et al	International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE)	NA	NA	Published
12	The Complete Modal Chart of Cylindrical Dielectric Waveguide	Dr. Malay Gangapadhyaya et al	Electronics Letters	NA	NA	Accepted
13	45°–45°–90° Triangular dielectric resonator antenna with broadside radiation patterns	Dr. Malay Gangapadhyaya et al	AEU - International Journal of Electronics and Communications	NA	NA	Accepted
14	Dual Estimation and Combination of State and Output Feedback Based Robust Adaptive	Dr. Atanu Panda et al	International Journal of Dynamics and Control (IJDY)	NA	NA	Accepted

Journal						
Sl No	Topic of Publication	Authors	Journal Name	Volume	Pages	Status
	NMBC Control Scheme on Non-linear Process					
15	Efficient splitting of broadband LED light into narrowbands using superlensing effect and defects on its top 2D photonic crystal	Rajib Ghosh et al	Optical and Quantum Electronics, Springer, 2017. doi:10.1007/s11082-017-1049-9	Vol. 49, No. 213, Issue 402	16-Jan	Published
16	High resolution wide range pressure sensor using hexagonal ring and micromachined cantilever tips on 2D silicon photonic crystal	Rajib Ghosh et al	International Journal of Dynamics and Control (IJDY)	NA	NA	Accepted
17	Theory and Experiment on Horizontally Inhomogeneous Rectangular Microstrip Antenna '	Dr. Malay Gangopadhyaya et al	IET Microwaves, Antennas & Propagation	NA	NA	Accepted
18	Human Factor Analysis for Railway Coach and Bogie Maintenance using Principal Component Analysis and Factor Analysis"	Dr. Malay Gangopadhyaya et al	Inderscience	NA	NA	Accepted

Conference				
Sl No	Topic of Publication	Authors	Conference Name	Status
1	A compact half-mode SIW semi-hexagonal antenna with t-shaped slot	Dr. Malay Gangopadhyaya	2017 2nd International Conference for Convergence in Technology (I2CT)	Published
2	L shaped DGS integrated triangular microstrip antenna with frequency tuning characteristics	Dr. Malay Gangopadhyaya	2017 8th IEEE Annual Information Technology, Electronics and Mobile Communication Conference	Published

Conference				
Sl No	Topic of Publication	Authors	Conference Name	Status
			(IEMCON)	
3	Suppression and controlling of higher order modes in microstrip antenna with composite resonator	Dr. Malay Gangopadhyaya	2017 8th Annual Industrial Automation and Electromechanical Engineering Conference (IEMECON)	Published
4	Bandwidth enhancement of a microstrip patch antenna using Cuckoo Search optimization	Dr. Malay Gangopadhyaya	2017 1st International Conference on Electronics, Materials Engineering and Nano-Technology (IEMENTech)	Published
5	Design and Analysis of Compact Triangular Microstrip Antennas Integrated with Novel Defective Ground Structure	Dr. Malay Gangopadhyaya	8th Industrial Automation and Electromechanical Engineering Conference, IEMECON 2017	Published
6	Resonant Frequency of Rectangular Dielectric Resonator Antenna	Dr. Malay Gangopadhyaya	8th Industrial Automation and Electromechanical Engineering Conference, IEMECON	Published
7	The 45°-45°-90° Triangular Dielectric Resonator Antenna	Dr. Malay Gangopadhyaya	8th Industrial Automation and Electromechanical Engineering Conference, IEMECON	Published
8	Generation of Multiple Modes in Triangular Patch Antenna with 30°-60°-90° angles	Dr. Malay Gangopadhyaya	8th Industrial Automation and Electromechanical Engineering Conference, IEMECON	Published
9	Design of ripple carry adder using CMOS output wired logic based majority gate	Dr. G. S. Taki	2017 8th Annual Industrial Automation and Electromechanical Engineering Conference (IEMECON), IEEE Conference	Published
10	Progress in submicron device technology	Dr. G. S. Taki	2017 8th Annual Industrial Automation and Electromechanical Engineering Conference (IEMECON), IEEE Conference	Published
11	Conceptual design of a double antenna fed ECR plasma enhanced nano-	Dr. G. S. Taki	2017 1st International Conference on Electronics, Materials Engineering and	Published

Conference				
Sl No	Topic of Publication	Authors	Conference Name	Status
	film deposition system		Nano-Technology (IEMENTech), IEEE Conference	
12	Design study of a portable permanent magnet ECR plasma source for thin film deposition	Dr. G. S. Taki	2018 1st International Conference on Electronics, Materials Engineering and Nano-Technology (IEMENTech), IEEE Conference	Published
13	Green energy powered smart village school	Tapan Kumar Rana	IEMCON, 2017	Published
14	Intelligent health diagnosis and patient guidance system	Tapan Kumar Rana	IEMCON, 2017	Published
15	Smart farming using IOT	Tapan Kumar Rana	IEMCON, 2017	Published
16	Solar and ocean thermal energy operated hi-tech ship having passenger safety and desalination facilities	Tapan Kumar Rana	IEMECON, 2017	Published
17	Green energy powered smart healthy home	Tapan Kumar Rana	IEMECON, 2017	Published
18	A projection of microwave received signal anomaly due to air pollution	Tapan Kumar Rana	IEMECON, 2017	Published
19	Vehicle accident prevent cum location monitoring system	Tapan Kumar Rana	IEMECON, 2017	Published
20	Intelligent electronic eye for visually impaired people	Tapan Kumar Rana	IEMECON, 2017	Published
21	Self driving cars: A peep into the future	Tapan Kumar Rana	IEMECON, 2017	Published
22	Heart tracer — The route to your heart	Tapan Kumar Rana	IEMECON, 2017	Published
23	Efficient modular grid connected solar inverter in (N+1) configuration	Tapan Kumar Rana	IEMECON, 2017	Published
24	Impending impact of climate change on present and future generations	Tapan Kumar Rana	IEMECON, 2017	Published
25	Integrated non-	Tapan Kumar	IEMECON, 2017	Published

Conference				
Sl No	Topic of Publication	Authors	Conference Name	Status
	conventional energy driven smart boat with in-built passenger safety features	Rana		
26	Round the clock automatic caring and monitoring of old people and patients from a remote place	Tapan Kumar Rana	IEMECON, 2017	Published
27	Smart transaction and automation system for banks	Tapan Kumar Rana	IEMENTech, 2017	Published
28	Efficient and superior elbow joint for high power buswaytrunking system	Tapan Kumar Rana	IEMECON, 2017	Published
29	Real time health monitoring of patients from a remote place	Tapan Kumar Rana	IEMENTech, 2017	Published
30	Smart village	Tapan Kumar Rana	IEMENTech, 2017	Published
31	Dual band triangular patch antenna for land & maritime military communication system and WLAN 5.8GHz application	Murari Shaw	8th IEEE Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), Vancouver, BC	Published
32	Generation of multiple modes in triangular patch antenna with 30°–60°–90° angles	Murari Shaw	8th Annual Industrial Automation and Electromechanical Engineering Conference (IEMECON), Bangkok	Published
33	Implementation of OFDM modulator and demodulator subsystems using 16 point FFT/IFFT pipeline architecture in FPGA	Jayanta Bhattacharya	Information Technology, Electronics and Mobile Communication Conference (IEMCON), 2017 8th IEEE Annual	Published
34	Implementation of a decoder based on low-density parity-check code for 8 bit logical ALU	Jayanta Bhattacharya	Industrial Automation and Electromechanical Engineering Conference (IEMECON), 2017 8th Annual	Published
35	Development of equipment for in direct	Jayanta Bhattacharya	Industrial Automation and Electromechanical	Published

Conference				
Sl No	Topic of Publication	Authors	Conference Name	Status
	measurement and monitoring of blood pressure with audio visual devices		Engineering Conference (IEMECON), 2017 8th Annual	
36	Comparative experimental study on “useful life” of standard and commercially available AC and DC white PCLED bulbs under tropical condition	Arindam Chakraborty	Industrial Automation and Electromechanical Engineering Conference (IEMECON), 2017 8th Annual	Published
37	A NON-INVASIVE ELECTRICAL MEASUREMENT METHOD FOR JUNCTION TEMPERATURE MESUREMENT OF HIGH-POWER PC LEDs UNDER TROPICAL CONDITION	Arindam Chakraborty	IEEE International Conference on Telecommunications and Photonics	Published
38	Convolutional Neural Network based face detection	Arindam Chakraborty	Electronics, Materials Engineering and Nano-Technology (IEMENTech), 2017 1st International Conference on	Published
39	Bandwidth Enhancement of a Microstrip Patch Antenna Using Cuckoo Search Optimization	Arunava Mukhopadhyay	IEEE 1st International Conference on Electronics, Materials Engineering and Nano-Technology (IEMENTech 2017)	Published
40	Design of Air Quality meter and Pollution Detector	ArunavaMukhopadhyay	th Annual Industrial Automation and Electromechanical Engineering Conference (IEMECON)	Published
41	Design of 1-bit Full Adder Using NMOS based Negative Differential Resistance	Mili Sarkar	DEV IC	Published
42	Design of 1-bit Full Adder using $\beta$ -Driven, Threshold Element	Mili Sarkar	IEMENTech2017	Published
43	Design of ripple carry	Mili Sarkar	IEMECON	Published

Conference				
Sl No	Topic of Publication	Authors	Conference Name	Status
	adder using CMOS output wired logic-based majority gate			
44	Design of Minnick counter using MOS-based threshold logic	Mili Sarkar	IEMCON	Published
45	A New Idea on Road Safety Using Smartphone	Gautam Ghosh	IEMNTECH 2017	Published
46	SELECTIVE HARMONIC ELIMINATION IN A CONVENTIONAL INVERTER	Gautam Ghosh	IEMCON2017 Bangkok	Published
47	COMPARISON OF DIFFERENT TECHNIQUES FOR SELECTIVE HARMONIC ELIMINATION PWM IN INVERTERS – A REVIEW	Gautam Ghosh	IEMCON2017 Vancouver	Published
48	A Comparative study of different multilevel inverters	Gautam Ghosh	IEMENTech 2017	Published
49	An efficient association of a mobile client in wireless mesh network	Sutapa Ray Adhikary	Information Technology, Electronics and Mobile Communication Conference (IEMCON), 2017 8th IEEE Annual	Published
50	Implementation of a decoder based on low-density parity-check code for 8 bit logical ALU	Sutapa Ray Adhikary	Industrial Automation and Electromechanical Engineering Conference (IEMECON), 2017 8th Annual	Published
51	Development of equipment for in direct measurement and monitoring of blood pressure with audio visual devices	Sutapa Ray Adhikary	Industrial Automation and Electromechanical Engineering Conference (IEMECON), 2017 8th Annual	Published
52	“Suppression And Controlling Of Higher Order Modes In Microstrip Antenna With	Srijita Chakraborty	Industrial Automation and Electromechanical Engineering Conference (IEMECON), DOI:	Published



Conference				
Sl No	Topic of Publication	Authors	Conference Name	Status
	Composite Resonator"		10.1109/IEMECON.2017.8079597	
53	“Design and Analysis of Compact Triangular Microstrip Antennas Integrated with Novel Defective Ground Structure”	Srijita Chakraborty	Industrial Automation and Electromechanical Engineering Conference (IEMECON), DOI: 10.1109/IEMECON.2017.8079596	Published
54	“L shaped DGS Integrated Triangular Microstrip Antenna with Frequency Tuning Characteristics”	Srijita Chakraborty	Information Technology, Electronics and Mobile Communication Conference (IEMCON), DOI: 10.1109/IEMCON.2017.8117220	Published
55	Miniaturization of Rectangular Microstrip Antenna at	Srijita Chakraborty	2018 2nd International Conference on Electronics, Materials Engineering & Nano-Technology (IEMENTech	Published
56	Control of Higher Order modes and their Radiation	Srijita Chakraborty	2018 2nd International Conference on Electronics, Materials Engineering & Nano-Technology (IEMENTech)	Published
57	Implementation of standard functions using universal gate in QCA designer	Ratna Chakraborty	IEMENTech 2017	Published
58	Nano-Calculator using Quantum Dot Cellular Automata (QCA	Ratna Chakraborty	IEMENTech 2017	Published
59	A Novel Design of Flip-Flop Circuits using Quantum Dot Cellular Automata (QCA)	Ratna Chakraborty	IEEE CCWC	Published
60	Complementary dual-output universal gate in quantum dot cellular automata	Ratna Chakraborty	IEMECON 2017	Published
61	IoT Based Patient Guidance System using Raspberrypi	T.K.Rana	IEMENTECH 2018	Published
62		Ratna Chakraborty	IEMENTECH 2018	Published

Conference				
Sl No	Topic of Publication	Authors	Conference Name	Status
	Design of 2's Complement of 4-Bit Binary Numbers Using Quantum Dot Cellular Automata			
63	Design of Binary to Gray Code Converter for Error Correction in Communication Systems Using Layered Quantum Dot Cellular Automata	Ratna Chakrabarty	IEMENTECH 2018	Published
64	Wearable DGS Integrated High Performance Compact Antenna for 2.4 /5.2/5.8 GHz WLAN Band on Leather Substrate	Srijita Chakraborty	IEMENTECH 2018	Published
65	Miniaturization of Rectangular Microstrip Antenna at WiMAX Band with Slot in Patch and Ground Surface	Srijita Chakraborty	IEMENTECH 2018	Published
66	Control of Higher Order Modes and Their Radiation in Microstrip Antenna Using Extremely Compact Defected Ground Structure & Symmetric Stub	Srijita Chakraborty	IEMENTECH 2018	Published
67	A simple Star shaped Microstrip Patch Antenna for penta band application	Murari Shaw	IEMENTECH 2018	Published
68	Circular Microstrip Patch Antenna with U-slots for multi band application	Murari Shaw	IEMENTECH 2018	Published
69	Frequency Tuning & Bandwidth Enhancement in Compact Microstrip Antenna using Saw Tooth Shaped DGS	Srijita Chakraborty	IEMCON 2018	Published



# INSTITUTE OF ENGINEERING & MANAGEMENT

Department of Electronics & Communication Engineering

Conference				
SI No	Topic of Publication	Authors	Conference Name	Status
70	Comparator Design using CTL and Outputwired based Majority Gate	Mili Sarkar	IEMENTECH 2018	Published
71	A Survey Paper on Architecture of Internet Of Things	Sutapa Ray Adhikary	IEMCON 2018	Published



# **INFORMATION TECHNOLOGY**

## **Department Statistics:**

**Faculty Strength: 31**

**Student Strength: 565**

**Year of Establishment: 1999**

## **Objectives**

To produce “*Creators of Innovative Technological Solutions*” who shall contribute towards the advancement of engineering, science and technology to benefit the nation.



## GOALS AND PLANS FOR NEXT YEAR

Planning to conduct eHaCON2019 for the researchers and hackers around the world to participate in this three-day series of informative workshops, invited talks, paper presentations and hacking coding competition on 18<sup>th</sup>, 19<sup>th</sup> and 20<sup>th</sup> July 2019.

### MILESTONE EVENTS

1. **31st October - 1st September 2018:** Workshop on IOT using Arduino
2. **3rd - 5th October, 2018:** Web and Android Development Workshop
3. **27th-28th October, 2019:** IEM International Smart Space Apps Challenge
4. **18th November, 2018:** Kolkata Mini Maker Faire



5. **8th -9th January, 2019:** Basic Innovative Model Making Workshop
6. **23rd -25th January, 2019:** Innovación 2019



7. **Prof. Dr. Lopa Mandal** attended the IOT Workshop organized by Dept. of Information Technology and Electronics, Govt. of West Bengal at Biswa Bangla Convention Hall, Kolkata, on 27<sup>th</sup> July 2018.



8. **Prof. Dr. Lopa Mandal** attended a Workshop on Artificial Intelligence and Robotics using MATLAB and SIMULINK organized by **MathWorks** on 4<sup>th</sup> September 2018 at J.W. Marriot, Kolkata.



9. A workshop on Cryptography was organized by IT department for the students on 13<sup>th</sup> October, 2018.
10. Workshop on IOT using Arduino was organized by **Prof. Avijit Bose** for the students on 31<sup>st</sup> August - 1<sup>st</sup> September, 2018.
11. Workshop on Web and Android Development was organized by **Prof. Avijit Bose** for the students on 3<sup>rd</sup> -5<sup>th</sup> October, 2018.
12. **Prof. Arup Kumar Chattopadhyay** presented a paper at IEM Graph 2018 Conference on 5<sup>th</sup> - 6<sup>th</sup> September, 2018.

13. **Prof. Dr. Lopa Mandal** presided over as Session Chair of technical session at IEM Graph 2018 held on 6<sup>th</sup> and 7<sup>th</sup> September 2018 at Kolkata, India.



14. IEM International Smart Space Apps Challenge was organised by **Prof. Avijit Bose** for the students on 27<sup>th</sup> - 28<sup>th</sup> October, 2018.

15. Kolkata Mini Maker Fair was organised by **Prof. Avijit Bose** for the students on 18<sup>th</sup> November, 2018.



Sl No	Name of Event	Date of Event	Subject/ Topic	Participating Countries	No. of Participants
1	IEMCO	11-11-2018 (8pm to 11pm)	International Coding Olympiads	18 Countries (India, Japan, Russia, Canada, Turkmenistan, Italy, Ukraine, Singapore, South Korea, UK, USA, Bangladesh, Nigeria, Peru, China, Vietnam, Indonesia, Romania)	2158 (830 teams)





# RESEARCH, PUBLICATIONS AND CONSULTANCY

## List of Pending Patents

Sl No	Name	Designation	Topic	Status (Applied/ Published/ Granted)
1	Partha Bhattacharya Saugata Pramanick	Scientific Officer Student	Smart Security with advanced telecommunications System, no. 201731006064	Published on 24/08/2018
2	Avijit Bose	Assistant Professor	Driverless Vehicle with a Bluetooth Guidance System, no. 201831024950	Published on 10/08/2018
3	Avijit Bose	Assistant Professor	A Community Based Low Cost Hybrid Energy Sensor Network System for Real Time Localization and Tracking of Objects	Published on 26/10/2018

## Statistics of Publications

Category	Number of research paper published
Conference	27
Journal	30

# AWARDS & RECOGNITION ACHIEVED BY TEACHERS

1. Name of the Faculty: Arup Kumar Chattopadhyay

Designation: Asst. Professor

Department: IT

Awards/ Achievements Details: Promoted as Senior Member ACM

- Name of the Faculty: Arup Kumar Chattopadhyay  
Designation: Asst. Professor  
Department: IT  
Awards/ Achievements  
Details: Qualified for NET, JULY 2018



- Name of the Faculty: Arup Kumar Chattopadhyay  
Designation: Asst. Professor  
Department: IT  
Awards/ Achievements Details: Online TAship offered by NPTEL & IIT Kharagpur

- Name of the Faculty: Arup Kumar Chattopadhyay  
Designation: Asst. Professor  
Department: IT  
Awards/ Achievements Details: Awarded Elite (92%) with Gold by NPTEL (IOT), position in top 1%



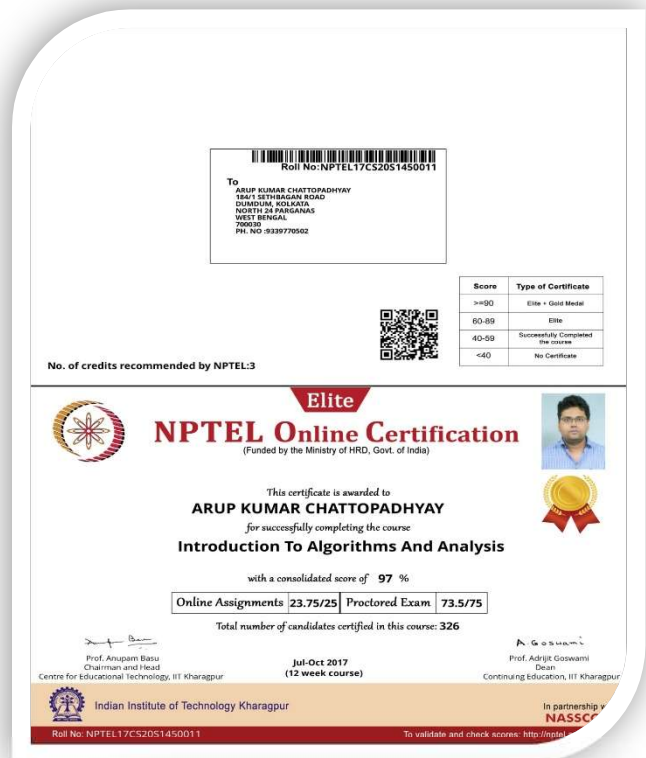
5. Name of the Faculty: Arup Kumar Chattopadhyay

Designation: Asst. Professor

Department: IT

Awards/ Achievements Details:

Awarded Elite (97%) with Gold by NPTEL (Introduction to Algorithms & Analysis) position in top 1%

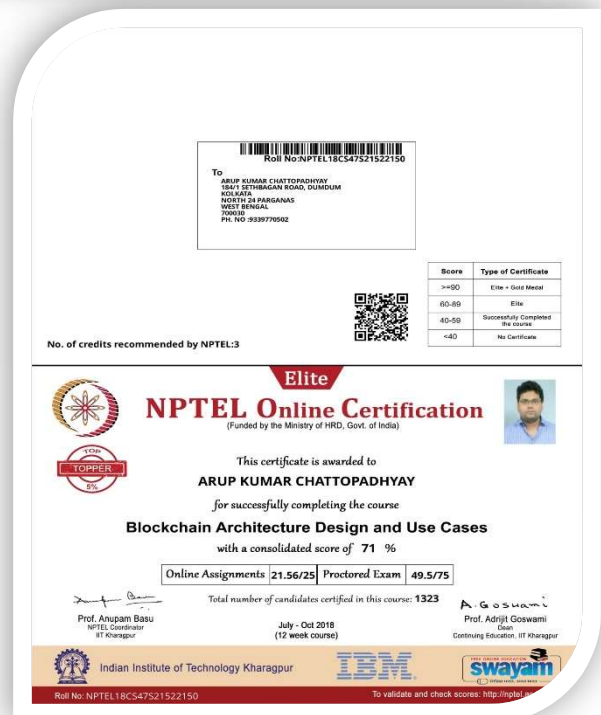


6. Name of the Faculty: Arup Kumar Chattopadhyay

Designation: Asst. Professor

Department: IT

Awards/ Achievements Details: Awarded Elite (71%) by NPTEL (in Blockchain Design & Use Cases), position in top 5%



7. Name of the Faculty: Swagatam Basu  
 Designation: Asst. Professor  
 Department: IT  
 Awards/ Achievements Details: Awarded Elite (74%) by NPTEL (in Blockchain Design & Use Cases), position in top 5%



8. Name of the Faculty: Swagatam Basu  
 Designation: Asst. Professor  
 Department: IT  
 Awards/ Achievements Details: Qualified for NET, JULY 2018



9. Name of the Faculty: Swagatam Basu  
 Designation: Asst. Professor  
 Department: IT  
 Awards/ Achievements Details: Qualified for NET, DEC 2018





# INSTITUTE OF ENGINEERING & MANAGEMENT

## Department of Information Technology

10. Name of the Faculty: Arup Kumar Chattopadhyay

Designation: Asst. Professor

Department: IT

Awards/ Achievements Details: Qualified for NET, DEC 2018

11. Name of the Faculty: Sourav Mukherjee

Designation: Scientific Officer

Department: IT

Awards/ Achievements Details: IEMCRP Software is recognized by AICTE

12. Name of the Faculty: Avijit Bose

Designation: Asst. Professor and President of IEM Entrepreneurship Cell

Department: IT

Awards/ Achievements Details: Best Entrepreneurship Cell of the Decade given by National Entrepreneurship Network, National Level Non-Govt. Organization

13. Name of the Faculty: Paramita Mitra

Designation: Asst. Professor

Department: IT

Awards/ Achievements Details:  
Awarded Elite (82%) by NPTEL (in IOT)



14. Name of the Faculty: Shreyasi Datta

Designation: Asst. Professor

Department: IT

Awards/ Achievements Details: Awarded Elite (87%) by NPTEL (in Introduction to Literary Theory)

15. Name of the Faculty: Shreyasi Datta

Designation: Asst. Professor

Department: IT

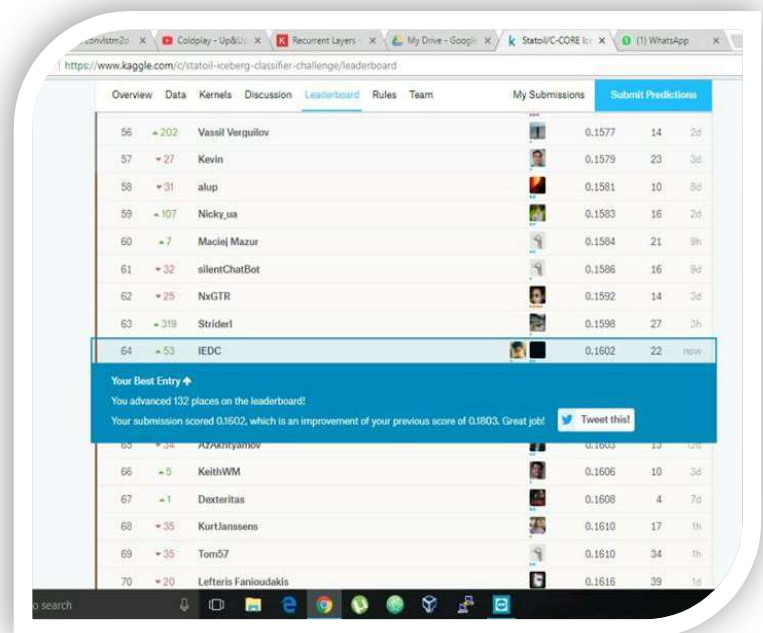
Awards/ Achievements Details: Awarded Elite (87%) by NPTEL (in Introduction to Cultural Studies)

# AWARDS & RECOGNITION ACHIEVED BY STUDENTS

- Name of the Student: Ashutosh Jha  
 Batch: Student of Batch 2015-2019  
 Department: IT  
 Awards Details: Got selected for MIT boot camps, World's most prestigious entrepreneurship camp. Earlier he was selected and completed a course by Stanford University in China, where only 5 students from entire India were selected.



- Name of the Student: Tapobrata Mukherjee  
 Batch: Student of Batch 2015-2019  
 Department: IT  
 Awards Details: Ranked 22 at Kaggle: the world's best platform for machine learning competitions



3. Name of the Student: Tapobrata Mukherjee, Amritayan Banerjee  
Batch: Student of Batch 2015-2019  
Department: IT  
Awards Details: Secured 1st and 2nd positions in 2 different events on Autonomous Robotics in National Students' Space Challenge by IIT Kharagpur



## ENTREPRENEURSHIP

Done By: Ashutosh Kumar (Department of Information Technology)

Key Highlights: Startup Name: SWAPT

He started a community for Entrepreneurs in Delhi and Kolkata. He scored 318 (out of 340) in GRE, 168 (out of 170) in Quantitative. He got selected for attending a conference in Cambridge organized by Harvard College Project for Asian and International Relations (HPAIR) in the track: Energy & Environmental Sustainability. He was invited to attend GOBI 2019 (Global Opportunities in Business and Investment), organized by Istanbul Technical University Investment Club in Istanbul.

## NATIONAL & INTERNATIONAL COLLABORATIONS AND ACTIVITIES & MOUS

1. Prof. Arup Kr. Chattopadhyay had a collaboration with Central Institute of Technology, Assam.
2. Prof. Maumita Chakraborty had a collaboration with Department of Computer Science & Engineering, University of Calcutta.
3. Prof. Rabi Narayan Behera had a collaboration with Department of Computer Science & Engineering, North Orissa University.
4. Prof. Dr. Mohuya Chakraborty had a collaboration with Institute of Mathematics and Informatics, Bulgarian Academy of Sciences (BAS - Institute of Mathematics and Informatics)

### FDPS/DISTINGUISHED LECTURES ORGANIZED

1. Prof. Dr. Mohuya Chakraborty organised a FDP on Participatory Learning Flipped Classroom from June 26,2018 to July 3, 2018.
2. Prof. Dr. Mohuya Chakraborty organised a FDP on Intel® Scalable Platform (Purley) on November 30,2018.
3. Prof. Dr. Mohuya Chakraborty attended a FDP on UKIERI - AICTE Technical Leadership Development Programme from 19 - 22 Nov 2018 organized by AICTE in collaboration with British Council and Dudley College, UK held at New Delhi.







# INSTITUTE OF ENGINEERING & MANAGEMENT

## Department of Information Technology

4. Prof. Swagatam Basu, Prof. Satyasan Changdar, Prof. Subindu Saha attended a FDP on Programming using Python from June 27 - July 3, 2018 organized by IEM.
5. Prof. Arup Kr. Chattopadhyay, Prof. Swagatam Basu, Prof. Sudipta Paul, Prof. Subindu Saha attended a FDP on Machine Learning from August 18-21, 2018 organized by IEM.
6. Prof. Arup Kr. Chattopadhyay attended a FDP on Blockchain Architecture Design and Use Cases from July-October, 2018 organized by NPTEL IIT KHARAGPUR.
7. Prof. Shreyasi Datta attended a FDP on Introduction to Literary Theory from July-October, 2018 organized by NPTEL IIT KANPUR.
8. Prof. Shreyasi Datta attended a FDP on Introduction to Cultural Studies from July-October, 2018 organized by NPTEL IIT MADRAS.
9. Prof. Swagatam Basu attended a FDP on Blockchain Architecture Design and Use Cases from July-October, 2018 organized by NPTEL IIT KHARAGPUR.
10. Prof. Swagatam Basu attended a FDP on Blockchain Architecture Design and Use Cases from July-October, 2018 organized by NPTEL IIT KHARAGPUR.
11. Prof. Arup Kr. Chattopadhyay attended a FDP on Introduction to Internet of Things from July-October, 2018 organized by NPTEL IIT KHARAGPUR.
12. Prof. Paramita Saha attended a FDP on Introduction to Internet of Things from July-October, 2018 organized by NPTEL IIT KHARAGPUR.
13. Prof. Shreyasi Datta attended a FDP on Introduction to Literary Theory from July-October, 2018 organized by NPTEL IIT KHARAGPUR.
14. Prof. Shreyasi Datta attended a FDP on Introduction to Cultural Studies from July-October, 2018 organized by NPTEL IIT KHARAGPUR.
15. All IT faculties attended a FDP on Participatory Learning & Flipped Classroom from Jun 26 - Jul 3, 2018 organized by IEM.
16. All IT faculties attended a FDP on Intel® Scalable Platform (Purley) on Nov 30, 2018 organized by IEM.

## PLACEMENT

Placement Statistics for the Department							
Name of the Department: Information Technology				Odd Semester: 2018-19			
Sl No	Pass Out Batch Year	Batch Strength	Students opting out of the Placement process/ Not eligible for Placement	Number of Students Placed till 15th Aug, 2018	Total Number of offers received by Placement Seeking Students	Maximum Package	Average Package
1	2018	130	23	79	79	39.74	11.16
2	2019	128	20	7	88	7	4.44

Company Details for the Department					
Name of the Department: Information Technology			Odd Semester: 2018-19		
Serial Number	Pass Out Batch Year	Batch Strength	Name of the company	Number of Students Placed till date	Package
1	2018	130	NRI	7	4.63
2			SOFTLINK	1	4.5
3			TCS	69	3.45
4			ADOBE	1	39.74
5			LABVANTAGE	1	3.5
1	2019	128	TCS DIGITAL	7	7
2			TCS ENQUODE	1	3.36
3			ERNST & YOUNG	1	4.25
4			TCS CODEVITA - Generic Profile	11	3.36
5			TCS CODEVITA - Digital Profile	1	7
6			INFOSYS System Engineer- Specialist	3	5
7			TCS NINJA	31	3.36
8			NRI FINTECH	1	4.6
9			WIPRO	12	3.5
10			IBM	4	4
11			INFOSYS - SYSTEMS ENGINEER	11	3.16
12			L & T	1	3.14
13			LABVANTAGE	1	3.5
14			ARW	2	8
15			PwC	1	3.41

## PUBLICATION

Journal (2017)				
Faculty Name	Author's name	Title of the Paper	Journal details	ISBN/ISSN No./vol-page
Prof. Maumita Chakraborty	Maumita Chakraborty, Rahul Singh, Ruchi Mehta	Minimum Spanning Tree using Heap	International Journal of Scientific and Engineering Research	ISSN 2229-5518
Prof. Moutushi Singh	Moutushi Singh, Abdur Rahaman sardar, Koushik Majumder, Subir Kumar Sarkar	A Lightweight Trust Mechanism & Overhead Analysis for Clustered WSN	IETE Journal of Research	ISSN: 0377-2063 (Print) 0974-780X (Online)
Prof. Arup Kumar Chattopadhyay	Arup Kumar Chattopadhyay, Amitava Nag, Koushik Majumder	Secure Data outsourcing on Cloud using Secret Sharing Scheme	International Journal of Network Security	ISSN 1816-3548
Prof. Arup Kumar Chattopadhyay	Arup Kumar Chattopadhyay, Amitava Nag, Koushik Majumder	An Ideal Multi-Secret Sharing Scheme with Verification	Sensors & Transducers	ISSN: 2306-8515
Prof. Subhabrata Sengupta	Sagar Pandey, Subhabrata Sengupta	Color Detection and Tracking from Live Stream – An Extensive Survey	International Journal of Computer Applications	973-93-80896-61-8
Prof. Rabi Narayan Behera	Kajaree Das, Rabi Narayan Behera	A Survey on Machine Learning: Concept, Algorithms and Applications	International Journal of Innovative Research in Computer and Communication Engineering	2320-9801
Prof. Rabi Narayan Behera	Rabi Narayan Behera, Proggalaboni Saha, Anindita Chakraborty, Sujata Dash	Hybrid Movie Recommendation System based on PSO based Clustering	International Journal of Control Theory and Applications	ISSN: 0974-5572
Prof. Rabi Narayan Behera	Rabi Narayan Behera,	Emotion based Classification of	International Journal of	ISSN: 0974-5573

<b>Journal (2017)</b>				
<b>Faculty Name</b>	<b>Author's name</b>	<b>Title of the Paper</b>	<b>Journal details</b>	<b>ISBN/ISSN No./vol-page</b>
	PulakBaral, SubinduSaha, Sujata Dash	Human Voice using an Optimized Machine Learning Approach	Control Theory and Applications	
Prof. (Dr.) Satyasan changdar	S. Changdar and S. De	Investigation of Nanoparticle as a Drug Carrier Suspended in a Blood Flowing Through an Inclined Multiple Stenosed Artery	BioNanoScience	ISSN: 2191-1630 (print version)
Prof. (Dr.) Satyasan changdar	S. Changdar and S. De	Transport of Spherical Nanoparticles Suspended in a Blood Flowing Through Stenose Artery Under the Influence of Brownian Motion.	Journal of Nanofluids	ISSN: 2169-432X (Print) EISSN: 2169-4338 (Online)
Prof. (Dr.) Satyasan Changdar	S. Changdar and S. De	Analytical Solution of Mathematical Model of Magnetohydrodynamic Blood Nanofluid Flowing Through an Inclined Multiple Stenosed Artery, Journal of Nanofluids, 6(6), (2017), 1198-1205.	Journal of Nanofluids	ISSN: 2169-432X (Print) EISSN: 2169-4338 (Online)
Prof. Subindu Saha	Rabi Narayan Behera, PulakBaral, Subindu Saha and Sujata Dash	Emotion based Classification of Human Voice using an Optimized Machine Learning Approach	International Journal of Control Theory and Application	ISBN 0974-5572
Prof. (Dr) Mohuya Chakraborty	S. Roy Chatterjee, M. Chakraborty	A Comparative Analysis of Pipelined and Area Optimized Blowfish Algorithm in FPGA for embedded tiny Sensor Node	International Journal of Engineering and Technology	e-ISSN 09754-4024 p-ISSN2319-8613
Prof. Tapan Kumar	Tapan Kumar	Traffic Surveillance	International	2319-7064

<b>Journal (2017)</b>				
<b>Faculty Name</b>	<b>Author's name</b>	<b>Title of the Paper</b>	<b>Journal details</b>	<b>ISBN/ISS N No./vol-page</b>
Hazra	Hazra	Using Image Recognition on Distributed Platform	Journal of Science and Research (IJSR)	
Prof. (Dr.) Sanchita Ghosh	R. Mukherjee, S. Ghosh, B. Gupta, Tapas Chakravarty,	A Universal Noninvasive Continuous Blood Pressure Measurement System for Remote Healthcare Monitoring,	Telemedicine and e-Health	ISSN: 1530-5627   Online ISSN: 1556-3669
Prof. (Dr.) Sanchita Ghosh	R. Mukherjee, S. Ghosh, B. Gupta, Tapas Chakravarty	A Literature Review on Current and Proposed Technologies of Noninvasive Blood Pressure Measurement,	Telemedicine and e-Health,	ISSN: 1530-5627   Online ISSN: 1556-3669
Prof. (Dr.) Sanchita Ghosh	S. Ramakuri, S. Ghosh, B. Gupta	Feature Extraction of Human Behaviour state through Wireless EEG Device for Healthcare Monitoring	Journal of Advanced Research in Dynamical and Control Systems	Vol.5, pp. 268-277 2017.
Prof. (Dr.) Sanchita Ghosh	S. Ramakuri, S. Ghosh, B. Gupta	Behaviour state analysis through brain computer interface using wearable EEG devices: a review,	Electronic Government An International Journal, Vol 13, No. 4, pp. 377 – 390, 2017.	<b>ISSN online:</b> 1740-7508 <b>ISSN print:</b> 1740-7494
Prof. Dr. T.S. Sinha	Raj Kumar Patra, Tilendra Shishir Sinha and Ravi Prakash Dubey	Extraction of geometric and prosodic features from human-gait-speech data for behavioural pattern detection : Part – I	Tubitak: Turkish Journal of Electrical Engineering & Computer Sciences, ELK-1604-437, Vol. 25, pp. 2820-2830	ISSN 1300-0632
Prof. Dr. Debashis Das	D. Das, Susanta Mukhopadhyay,	Multiscale contrast Enhancement of	Optics & Laser	<b>ISSN:</b> 0030-3992

Journal (2017)				
Faculty Name	Author's name	Title of the Paper	Journal details	ISBN/ISSN No./vol-page
	SRS Praveen	Oriented Features in 2D images using Directional Morphology	Technology	

Journal (2018)				
Faculty Name	Author's name	Title of the Paper	Journal details	ISBN/ISSN No./vol-page
Prof. (Dr.) Satyasan changdar	S. Changdar, A. Mandal and S. De	Analytical Investigation of non-Spherical Nanoparticle as a Drug Agent Suspended in a MHD Blood Nano fluid Flowing Through an Irregular Shape Stenosed Artery	Journal of Nanofluids	ISSN: 2169-432X (Print) EISSN: 2169-4338 (Online)
Prof. (Dr) Mohuya Chakraborty	Swagata Roy Chatterjee, Mohuya Chakraborty, Debashis Saha	A Novel Channel State Prediction Technique for Overlay Cognitive Radio-based Emergency Sensor Networks (CRESNs)	Int. J. of Knowledge Engineering and Data Mining	ISSN Online: 1755-2095 () ISSN Print: 1755-2087
Prof. Maumita Chakraborty	Maumita Chakraborty, Sumon Chowdhury, Joymallya Chakraborty, Ranjan Mehera, Rajat Kumar Pal	Algorithms for generating all possible spanning trees of a simple undirected connected graph: an extensive review	Complex and Intelligent Systems	Print ISSN 2199-4536 Online ISSN 2198-6053
Prof. Maumita Chakraborty	Maumita Chakraborty, Sumon Chowdhury, Rajat Kumar Pal	Two Algorithms for Computing All Spanning Trees of a Simple, Undirected, and Connected Graph: Once Assuming a Complete Graph	IEEE Access	ISSN: 2169-3536
Prof. (Dr) Tlendra Shishir Sinha	Tlendra Shishir Sinha, Rohit Raja, Raj Kumar Patra and Shrikant	Physiological Trait Based Biometrical Authentication of Human-Face using LGXP and ANN Techniques	International Journal of Information and Computer Security Vol. 10, no.	ISSN 1744-1765

<b>Journal (2018)</b>				
<b>Faculty Name</b>	<b>Author's name</b>	<b>Title of the Paper</b>	<b>Journal details</b>	<b>ISBN/ISSN No./vol-page</b>
	Tiwari		2/3, pp. 303-320	
Prof. (Dr.) Satyasan changdar	Satyasan changdar, Soumen De	Analytical Investigation of Nanoparticle as a Drug Carrier Suspended in MHD Blood Nanofluid Flowing Through an Irregular Analytical Stenosed Artery	Iran J. Sci. Technol. Trans. A Sci.	
Prof. (Dr.) Sanchita Ghosh	A. Basu, S. Ghosh	Implementing Fuzzy Topsis in Cloud Type and Service Provider Selection,	Advances in Fuzzy Systems	
Prof. (Dr.) Sanchita Ghosh	R. Mukherjee, S. Ghosh, B. Gupta, Tapas Chakravarty	A Universal Noninvasive Continuous Blood Pressure Measurement System for Remote Healthcare Monitoring,	Telemedicine and e-Health	Vol. 24 (11) page. 803-810
Prof. (Dr.) Sanchita Ghosh	R. Mukherjee, S. Ghosh, B. Gupta, Tapas Chakravarty	A Literature Review on Current and Proposed Technologies of Noninvasive Blood Pressure Measurement	Telemedicine and e-Health	Vol.24(3) page158-193

<b>Conference (2017)</b>				
<b>Faculty Name</b>	<b>Author's name</b>	<b>Title of the Paper</b>	<b>Conference name</b>	<b>Publisher Name</b>
Prof. Tapan Kumar Hazra	T. K. Hazra, S. Bhattacharyya	Image Encryption by Blockwise Pixel Shuffling Using Modified Fisher Yates Shuffle and Pseudorandom Permutations	Electrical, Computer and Electronics	IEEE
Prof. Tapan Kumar Hazra	NazimUddin Sheikh, Tapan Kumar Hazra, HasinaRahman, KanyasreeMus tafi, Ajoy Kumar Chakraborty	Multi-variable bijective mapping for secure encryption and decryption	Industrial Automation and Electromechanical Engineering Conference (IEMECON), 2017 8th Annual	IEEE
Prof. Tapan Kumar Hazra	T. K. Hazra, A. Hore	A comparative study of Travelling Salesman	Computing and Communication	IEEE

Conference (2017)				
Faculty Name	Author's name	Title of the Paper	Conference name	Publisher Name
		Problem and solution Using different Algorithm Design Techniques	(IEMCON), 2016 International Conference and Workshop on, Vancouver, BC	
Prof. Tapan Kumar Hazra	Tapan Kumar Hazra, Sreejit Roy Chowdhury, Ajoy Kumar Chakraborty	Encrypted Image Retrieval System: A machine learning approach	Computing and Communication (IEMCON), 2016 International Conference and Workshop on, Vancouver, BC	IEEE
Prof. Tapan Kumar Hazra	Tapan Kumar Hazra, Neha Kumari, Sneha Priya, Ajoy Kumar Chakraborty	Image encryption and decryption using phase mask over sinusoidal single and cross grating	Computing and Communication (IEMCON), 2016 International Conference and Workshop on, Vancouver, BC	IEEE
Prof. Tapan Kumar Hazra	Kanyasree Musafi, Nazimuddin Sheikh, Tapan Kumar Hazra, Maniratna Mazumder, Ishan Bhattacharya, Ajoy Kumar Chakraborty	A novel approach to enhance the security dimension of RSA algorithm using bijective function	Computing and Communication (IEMCON), 2016 International Conference and Workshop on, Vancouver, BC	IEEE
Prof. Tapan Kumar Hazra	Tapan Kumar Hazra, Rumela Ghosh, Sayam Kumar, Sagnik Dutta	File encryption using Fisher-Yates Shuffle	International Conference and Workshop on Computing and Communication (IEMCON), 2015	IEEE DOI: 10.1109/IEMCON.2015.7344521
Prof. Tapan Kumar Hazra	Tapan Kumar Hazra, Anirban Ghosh, Aryak Sengupta, Neelabjo Mukherjee	Mitigating the adversities of social media through real time tweet extraction system		IEEE DOI: 10.1109/IEMCON.2015.7344483
Prof. Tapan Kumar Hazra	Abhishek Datta,	Comparing images differing in aspect ratios	National Conference on	<a href="http://uit.buruniv.ac.in/co">http://uit.buruniv.ac.in/co</a>



Conference (2017)				
Faculty Name	Author's name	Title of the Paper	Conference name	Publisher Name
	Debaleena Chattopadhyay , Tapan Kumar Hazra	and sizes: Using Quadtree Decomposition Algorithms	Computing & communication Systems (CoCoSys-09)	cosys09/accepted.html
Prof. (Dr.) Sanchita Ghosh	Ramtanu Mukherjee, Sanchita Ghosh, Bharat Gupta, Tapas Chakravarty	Reflective PPG-based Noninvasive Continuous Pulse Rate Measurement and Remote Monitoring System,	Global Wireless Summit (GWS) Cape Town South Africa, 2017.	
Prof. (Dr.) Sanchita Ghosh	Sravanth Kumar Ramakuri, Bharat Gupta, Sanchita Ghosh, Chinmay Chakraborty	Performance Analysis of Eye-State Characterization through Single Electrode EEG Device for Medical Application	Global Wireless Summit(GWS) Cape Town South Africa, 2017.	
Prof. (Dr.) Baisakhi Das	Baisakhi Das, Anupama Mondal, Salma Mandi, Nilanjana Das and Biplab K Sikdar	Evaluation of Misspeculation Impact on Chip-Multiprocessors Power Overhead	International Conference on Software and Computer Application (ICSCA 2018), Feb 8 -10 , 2018, Malaysia	
Prof. (Dr.) Baisakhi Das	Mousimi Saha, Baisakhi Das and Biplab K Sikdar	Periodic Boundary Cellular Automata Based Test Structure For Memory	15th IEEE East-West Design & Test Symposium; Sept 29 - Oct 2, 2017; Novi Sad, Serbia.	
Prof. Dr. T.S. Sinha	Raj Kumar Patra, Rohit Raja and Tilendra Shishir Sinha	Extraction of geometric and prosodic features from human-gait-speech data for behavioural pattern detection: Part II	International Conference on Advanced Computational and Communication Paradigms (ICACCP – 2017), held at SMIT, from 8 <sup>th</sup> – 10 <sup>th</sup> September 2017	<a href="https://www.springerprofessional.de/en/advanced-computational-and-communication-paradigms/15710892?tocPage=1">https://www.springerprofessional.de/en/advanced-computational-and-communication-paradigms/15710892?tocPage=1</a>

Conference (2018)				
Faculty Name	Author's name	Title of the Paper	Conference name	Publisher Name
Prof. (Dr)Mohuya Chakraborty	Shekhar Sonhalia, Trideep Mandal and Mohuya Chakraborty	Bi-Symmetric Key Exchange: A Novel Cryptographic Key Exchanging Algorithm	eHaCON 2018	Advances in Intelligent Systems & Computing, Springer
Prof. (Dr)Mohuya Chakraborty	Animesh Kairi, Suruchi Gagan, Tania Bera and Mohuya Chakraborty	DNA Cryptography Based Secured Weather Prediction Model in High Performance Computing	eHaCON 2018	Advances in Intelligent Systems & Computing, Springer
Prof. (Dr)Mohuya Chakraborty	Rheya Chakraborty, Arup Kumar Chattopadhyay, Animesh Kairi and Mohuya Chakraborty	Brain-Computer Interface Based Fear Detection: A Self Defense Mechanism	eHaCON 2018	Advances in Intelligent Systems & Computing, Springer
Prof. (Dr)Mohuya Chakraborty	S. Roy Chatterjee, J. Chowdhury and M. Chakraborty	Hardware Realization of Power Adaptation Technique for Cognitive Radio Sensor Node	eHaCON 2018	Advances in Intelligent Systems & Computing, Springer
Prof. (Dr)Mohuya Chakraborty	S.RoyChatterjee, S. Mukherjee, J. Chowdhury and M. Chakraborty	CREnS: A Convolutional Coder Based Encryption Algorithm for Tiny Embedded Cognitive Radio Sensor Node	eHaCON 2018	Advances in Intelligent Systems & Computing, Springer
Prof. (Dr)Mohuya Chakraborty	Pradip Kumar Majumder and Mohuya Chakraborty	Data Mining in High Performance Computing: A Survey of Related Algorithms	eHaCON 2018	Advances in Intelligent Systems & Computing, Springer
Prof. Debalina Ghosh & Prof. Arup Kumar Chattopadhyay	Debalina Ghosh, Arup Kumar Chattopadhyay, Amitava Nag	A Secure Steganography Scheme Using LFSR	IEMGRAPH-2018	Advances in Intelligent Systems & Computing,

Conference (2018)				
Faculty Name	Author's name	Title of the Paper	Conference name	Publisher Name
				Springer
Prof. Arup Kumar Chattopadhyay	Rupam Banerjee, Arup Kumar Chattopadhyay, Amitava Nag, Kaushik Bose	A Nobel Cryptosystem for Group Data Sharing in Cloud Storage	IEEE CCWC	IEEE
Prof. Shreyasi Datta	Shreyasi Datta	Refugee Women: Manik Bandopadhyay's The Final Solution	Indian Social Sciences and Humanities Congress July 2018	
Prof. (Dr)Debashis Das	Debashis Das	A Fingerprint Segmentation Scheme based on Adaptive Threshold Estimation	CISP-BMEI 2018	
Prof. (Dr)Baisakhi Das	Baisakhi Das, Nilanjana Das and Biplab K Sikdar	Stuck-At 0/1 Trojans on Return Address Stack	ISED 2018	
Prof.Arup Kumar Chattopadhyay, Prof.Debalina Ghosh & Prof.Paramita Maitra	Arup Kumar Chattopadhyay, Debalina Ghosh, Paramita Maitra, Amitava Nag, Himadri Nath Saha	A Verifiable (n, n) Secret Image Sharing Scheme Using XOR Operations	IEEE UEMCON	IEEE
Prof.Arup Kumar Chattopadhyay & Prof.Paramita Mitra	Arup Kumar Chattopadhyay, Paramita Mitra, Amitava Nag, Himadri Saha	A Verifiable Multi-Secret Sharing Scheme with Elliptic Curve Cryptography	IEEE IEMCON	IEEE

# MECHANICAL ENGINEERING

### Department Statistics:

**Faculty Strength: 12**

**Student Strength: 180**

**Year of Establishment: 2013**

### Objectives

To produce graduates who, within three years of graduation, are able to:

- be employed as a practicing engineer in fields such as design, research, development, testing, manufacturing, operations and service systems;
- assume positions of leadership and responsibility within an organization; and
- progress through advanced degree or certificate programs in engineering, business, and other professionally related fields.



# **Mechanical Engineering**

## **GOALS AND PLANS FOR NEXT YEAR**

- NBA accreditation
- Functionalize CRI (Center for research & innovation) as a forum for research.
- Launch a quarterly departmental newsletter
- Set up student chapters of Indian Welding Society and The American Institute of Aeronautics and Astronautics.

### MILESTONE EVENTS

1. National Symposium on Sustainable Waste Management

2. ASME EFX was held on 6<sup>th</sup> October 2018. The event featured Ms. Erin Dolan, ASME Global Manager; Mr. Arjun Chatterjee, Chevening Scholar, Univ. of Sussex; Mr. Vishwa Mohan, General Manager, BOSCH Ltd.; Mr. Prashant Dhawan, Co-founder, BIOMIMICRY and others.



3. Enginious 2018 was held by IEI Students chapter on 27<sup>th</sup> and 28<sup>th</sup> September 2018. Dr. S. M. Ali, Director, IEI graced the occasion.



4. Md. Sakib Rahi represented the collegiate chapter in ASME Conference at Pittsburgh, Pennsylvania USA in November 2018.



5. Team Cygnus of IEM SAE Collegiate Club took part in Efficycle – 2018 at LPU Punjab and is seen after Technical Inspection Round in the snap.



6. At the “ASME E FEST ASIA PACIFIC 2018”, Mr. Samarpan Deb Majumder won the 1st prize in the Poster Presentation category.



7. The ISHRAE student chapter swept all the top three slots in the Design Challenge competition at RACON 2018.



8. The ISHRAE student chapter won the 2<sup>nd</sup> runner-up award at the National aQuest 2019 technical quiz competition at ACXREX 2019. This third consecutive podium finish for the student chapter.



9. Mr. Sayudh Ghosh (2014-2018) was accepted in the MS program at Univ. Of Colorado, Boulder.



10. Mr. Shantam Rakshit (2013-2017) joined the Master's program at FH-Aachen, Univ. of Applied Sciences.



11. Mr. Nisith Nagpal (2013-2017) joined the Master's program Saarland University.

12. Mr. Ronit Choudhury has been admitted to the Imperial the MTech program at Imperial College London.





## RESEARCH, PUBLICATIONS AND CONSULTANCY

### Statistics of Publications

Category	Number of research paper published
Conference	8
Journal	2

## AWARDS & RECOGNITION ACHIEVED BY TEACHERS

1. Rahul Baidya, Nominated as a member of the Co-option in Solid Waste Sectional Committee, CHD33 of Bureau of Indian Standards.
2. Rahul Baidya, IconSWM -Springer Excellent Paper Award – 2018 at 8th International Conference on Sustainable Waste Management
3. Gunjan Kumar, Conferred the status of East Zone National Student Activity Committee Member for the year 2018-2019 by Indian Society of Heating, Refrigerating & Air-conditioning Engineers (ISHRAE)
4. Gunjan Kumar, Best Session paper award in International conference “English Learning and Teaching Skills-ICELTS 2018
5. Rahul Baidya, International scientific committee member of (ICCAE 2018) Vanung University, Taoyuan City, Taiwan

## AWARDS & RECOGNITION ACHIEVED BY STUDENTS

1. Harsh Shah and Shailendra Panda, student (2016-20) Best Poster Award at Global Poster Competition at REFCOLD INDIA GLOBAL POSTER COMPETITION 2018
2. Md Sakib Rahi Student 4th Year (2015-19), Student Leadership Training Conference - ASME 2018 at David L. Lawrence Convention Center, Pittsburgh, Pennsylvania, USA
3. Ramesh Kumar Kartick Student 3rd Year (2016-20) Mechanical 2nd Prize winner in oral presentation at ASME EFEST ASIA PACIFIC 2019
4. Sansaptak De Student 3rd Year (2016-20) Mechanical 3rd Prize winner in poster



# INSTITUTE OF ENGINEERING & MANAGEMENT

## Department of Mechanical Engineering

presentation at ASME EFEST ASIA PACIFIC 2019

5. Gaurav Kumar Jha, Harsh K. Shah & Sahil Sonkar "Student 4th Year (2015-19) Student 3rd Year (2016-20)" Mechanical "Winner of RACON- HVAC Design Challenge
6. Shounak Das, Sakib Rahi, Subham Barnwal & R K Karthick. "Student 4th Year (2015-19) Student 3rd Year (2016-20)" Mechanical 1st Runner up RACON- HVAC Design Challenge
7. Avinish Kumar, Ankit Das, Rustam Alam & Sidharth Ghosh "Student 2nd Year (2017-21) Student 3rd Year (2016-20)" Mechanical 2nd Runner up RACON- HVAC Design Challenge
8. Shounak Das & Harsh K. Shah. "Student 4th Year (2015-19) Student 3rd Year (2016-20)" Mechanical 1st Runner up in Zonal HVAC Quiz Competitions aQuest - 2018-2019
9. Agniprabha Roy & Agnitra Das Student 3rd Year (2016-20) Mechanical 2nd Runner up in Zonal HVAC Quiz Competitions aQuest - 2018-2019
10. Shounak Das & Harsh K. Shah "Student 4th Year (2015-19) Student 3rd Year (2016-20)" Mechanical "Winner of Regional HVAC Quiz Competitions aQuest - 2018-2019
11. Sagnik Dutta & Biswayan Chattopadhyay "Student 2nd Year (2017-21) Student 3rd Year (2016-20)" Mechanical 2nd Runner up Zonal HVAC Quiz Competitions aQuest - 2018-2019
12. Subham Barnwal, R K Karthick & Sahil Sonkar "Student 4th Year (2015-19) Student 3rd Year (2016-20)" Mechanical Zonal Champion in NATIONAL STUDENT DESIGN CHALLENGE 2018-2019
13. Gaurav Kumar Jha, Shounak Das Student 4th Year (2015-19) Mechanical Runner up in NATIONAL STUDENT DESIGN CHALLENGE 2018 – 2019
14. Sahil Sonkar, R K Karthick, Samarpan Majumder Student 3rd Year (2016-20) Mechanical 5 Best Poster selection from IEM at Global Poster Competition at REFCOLD INDIA GLOBAL POSTER COMPETITION 2018



## NATIONAL & INTERNATIONAL COLLABORATIONS AND ACTIVITIES & MOUS

<b>Faculty Name</b>	<b>Collaboration Details</b>
Rahul Baidya	Research Project with Geocycle
Rahul Baidya	Research Collaboration with University Of Hertfordshire
Rahul Baidya	Research Collaboration with Jadavpur University
Rahul Baidya	Research Collaboration with International Society of Waste Management, Air and Water (ISWMAW), Jadavpur University and KIIT University
Abhishek Kundu	Research Collaboration with CSIR-Central Mechanical Engineering Research Institute, Durgapur
Gunjan Kumar	ISHRAE Product Showcase with ISHRAE

## FDPS/DISTINGUISHED LECTURES ORGANIZED

<b>Sl No</b>	<b>Date</b>	<b>Foreign Professor Name</b>	<b>University &amp; Country</b>	<b>Topic</b>
1	4th September, 2018	Dr. Souvick Chatterjee	University of Illinois at Chicago, USA	Fluid Mechanics in Action: Case studies - Mosquito Drinking and Engineering Better Diapers
2	13th February, 2019	Dr.-Ing. Tamal Roy	University of Illinois at Chicago, USA	Conformation, dynamics and manipulation of long-chain flexible polymers in micro channels.
3	5.10.2018	Rajarshi Sengupta	Vinar Systems Pvt Ltd	Robotics application
4	5.10.2018	Sayandeep Pathak	Vinar Systems Pvt Ltd	Robotics application
5	01.08.2018	Prabir Kumar Sen	Consulting Engineer	Cold Chain Technology
6	09.08.2019	Debasish Nandi	CESC & ISHRAE Member	Basic Electrical in HVAC Application

## **TRI-MENTORING AND ALUMNI INTERACTION ACTIVITIES**

Sl No	Alumni Mentoring Session		Date	Attended By	Department
	Name of the Alumni	Batch			
1	Arka Majumdar	2013-17	15.11.18	2nd, 3rd & 4th yr.	Mechanical Engineering
2	Sourav Sarkar	2014-18	29.09.18	2nd, 3rd & 4th yr.	Mechanical Engineering
3	Abhishek Bhattacharjee	2014-18	27.10.18	2nd, 3rd & 4th yr.	Mechanical Engineering
4	Debdut Basu	2014-18	27.10.18	2nd, 3rd & 4th yr.	Mechanical Engineering
5	Aman Sultania	2014-18	29.09.18	2nd, 3rd & 4th yr.	Mechanical Engineering

Sl No	Date	Taken By		Attended By
		Name of the Person	Organisation	
1	09.08.18	Prateek Dutta Ray	Larsen & Toubro	2nd, 3rd & 4th yr.
2	24.01.19	AS Chaudhury	Lyod Insulations	2nd, 3rd & 4th yr.

## **PUBLICATION**

### **Conference**

1. **Baidya, R.,** Kumar Ghosh, S., & Parlikar, U. V. (2019). Environmental Impact of Hazardous Waste Disposal at a Cement Plant in India – A Case Study of Acid Tar Sludge Trial, 5th 3R International Scientific Conference, February 27 - March 1, 2019, Bangkok, Thailand.
2. **Kundu, A.,** Basu, A. A class of third-order compact upwind schemes for compressible flow with shocks and vortices, National Conference on Frontiers in Modern Physics, August 16-17, 2018 Kolkata, India.
3. **Baidya, R., Bhattacharya, T., Kumar, G., & Ghosh, S. K.** (2019). Energy Analysis of Water Hyacinth–Cow Dung–Sawdust Mixture Briquettes—An Indian Perspective. **In Waste Management and Resource Efficiency** (pp. 719-725). **Springer, Singapore.**
4. **Baidya, R., Debnath, B., & Ghosh, S. K.** (2019). Analysis of E-Waste Supply Chain Framework in India Using the Analytic Hierarchy Process. **In Waste Management and Resource Efficiency** (pp. 867-878). **Springer, Singapore.**
5. **Kumar, N., Panja, S. C., & Baidya, R.** (2019). Reliability Modeling of Railway Signaling System by Markov Process. **In Waste Management and Resource Efficiency** (pp. 1077-1085). **Springer, Singapore.**



6. **Baidya, R.**, Ghosh, S. K., & Parlikar, U. V. (2018). Co-processing of Trade Rejects in Cement Plant - A Critical Analysis, International Conference on Sustainable Waste Management – 2018, Guntur, 22nd -25<sup>th</sup>, November, 2018.
7. **Baidya, R.**, Saha, I., **Bhattacharya, T.**, Ghosh, S. K., (2018), Sustainable Waste Transportation in Kolkata Using DBMS and Image Sensing, International Conference on Sustainable Waste Management – 2018, Guntur, 22nd -25<sup>th</sup>, November, 2018.
8. **Kundu, A.**, De, S. (2018), Numerical simulation of a shock-tube generated vortex: Comparison of upwind and WENO scheme. Presented in Fluid Mechanics and Fluid Power Conference, Held on December 10-12, 2018 IIT Bombay, India.
9. **Kumar, G.**, Karthick, R. K., Duttam, S., Baheti, P., (2018) Outcome Based Closed Loop Teaching Learning Process: A Case Study, English Learning and Teaching Skills-ICELTS 2018, Proceeding SI No 102, Page no- 106.

## Journal

1. **Baidya, R.**, Kumar Ghosh, S., & Parlikar, U. V. (2018). Blast furnace flue dust co-processing in cement kiln–A pilot study. *Waste Management & Research*, 0734242X18816791.
2. **Baidya, R.**, & Ghosh, S. K. (2018). Low carbon cement manufacturing in India by co-processing of alternative fuel and raw materials. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 1-12.

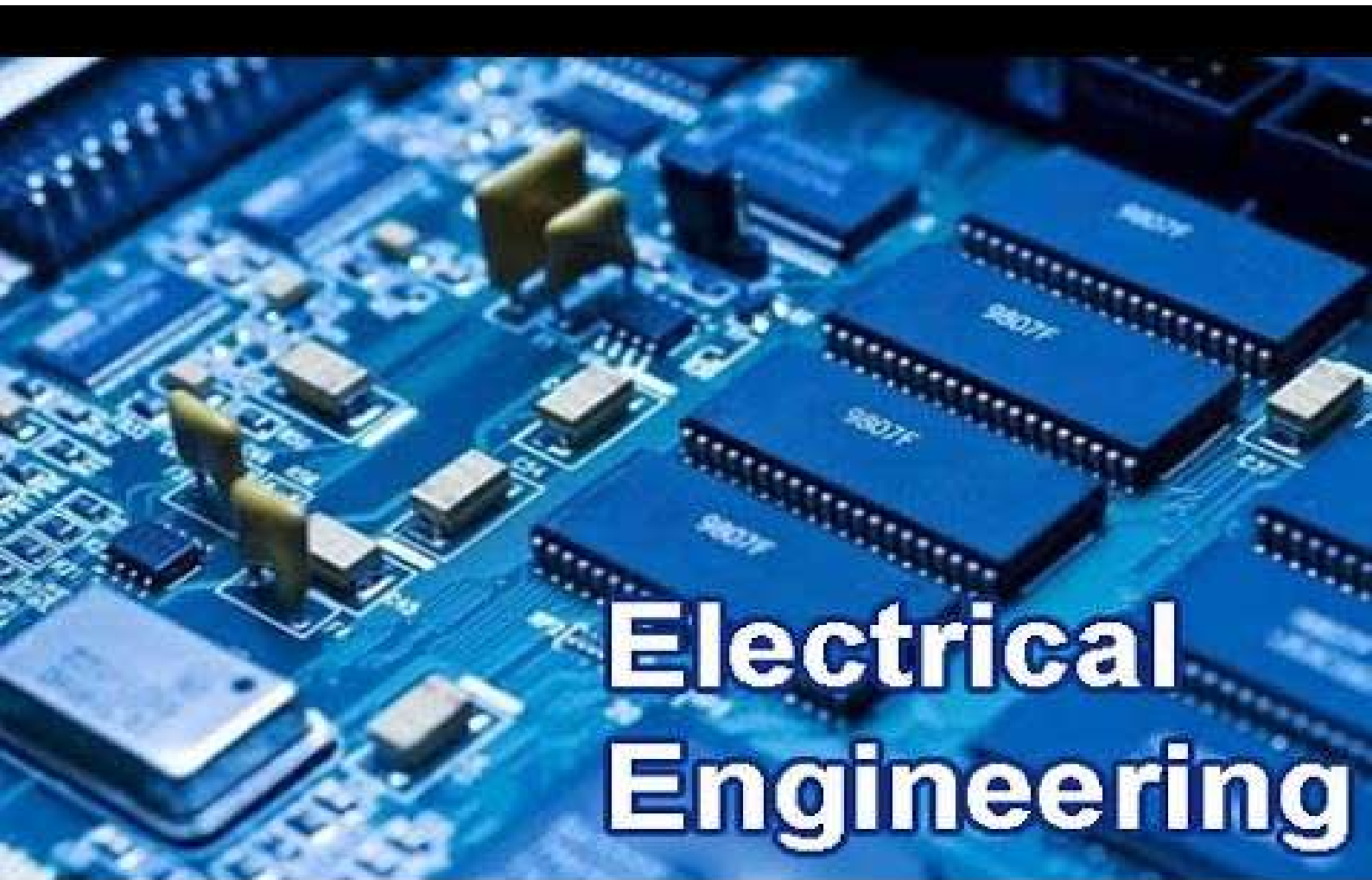
# ELECTRICAL ENGINEERING

### Department Statistics:

<b>Faculty Strength:</b>	<b>12</b>
<b>Student strength:</b>	<b>374</b>
<b>Year of establishment:</b>	<b>2013</b>

### Objectives

- To produce EE graduates having strong foundation in mathematics, science, basic engineering and management in order to develop seamless knowledge for providing solution to any industrial problem
- To equip the students with the knowledge on theory, practice and design of core areas of EE in order to develop & maintain modern electrical equipments and to actively take part in application based research and development.
- To train the students with practical exposure to test and verify the characteristics of common electrical equipments / machines / control system and to develop the skill to analyze, appreciate and interpret the data for engineering applications
- To inculcate professional and ethical attitude, communication and team work skills and the ability to relate engineering issues from broader social perspective for truly contributing to the needs of the nation.



## **GOALS AND PLANS FOR NEXT YEAR**

- To start flip class in the pedagogy of next year.
- To add at least one experiment in each lab over and above the MAKAUT syllabus.
- To emphasis product-based projects starting from the 2<sup>nd</sup> year.
- To motivate the students to attend the class regularly to improve their attendance.
- To extensively use the provisions of IEMCRP for continuous assessment of the students.
- To organize distinguished lecture series, workshop, seminar, conference and industrial visit.



# INSTITUTE OF ENGINEERING & MANAGEMENT

Department of Electrical Engineering

## NEW ADDITIONS

1. New Purchase of MATLAB software (5 users) for Control system Laboratory.

**TAX INVOICE** (Original)

**ELMAX SYSTEMS & SOLUTIONS**  
 177, Lake Gardens, Ground Floor  
 Kolkata -700045  
 E-Mail: accounts@elmaxsystemsandsolutions.in

Invoice No: 094829917-2018  
 Date: 22-May-2017  
 Delivery Note  
 Mode/Terms of Payment

Supplier's Ref: Other Reference(s)

Consignee: Institute Of Engineering And Management  
 120 SDF, Salt Lake Electronics Complex  
 Kolkata -91

Buyer's Order No: IEM17-19May17  
 Date: 3-May-2017  
 Dispatch Document No: Delivery Note Date

Dispatched through: Destination:

Terms of Delivery:

Buyer (if other than consignee):  
 Institute Of Engineering And Management  
 120 SDF, Salt Lake Electronics Complex  
 Kolkata -91

Sl No	Description of Goods	Quantity	Rate	per	Disc %	Amount
1	MATLAB (Latest Version) (Software) Master License No. 31236173 License No. 49273820	10 QTY	19,800.00	QTY		1,98,000.00
2	SIMULINK	10 QTY	9,000.00	QTY		99,000.00
3	Control System Toolbox	5 QTY	10,866.00	QTY		54,425.00
4	Simscape	5 QTY	10,866.00	QTY		54,425.00
5	Simscape Electronics	5 QTY	10,866.00	QTY		54,425.00
	OUTPUF @ 5% SERVICE TAX @15%			5 %		23,913.75 89,941.25
	<b>Total</b>	<b>35 QTY</b>				<b>₹ 5,52,330.00</b>

Amount Chargeable (in words):  
 INR Five Lakh Fifty Two Thousand Three Hundred Thirty Only

Company's VAT TIN: 19B21199528  
 Company's CST No: 19B21556528  
 Company's Service Tax No: ACNRC923520001  
 Company's PAN: ACNRC92350

for ELMAX SYSTEMS & SOLUTIONS

We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

SUBJECT TO KOLKATA JURISDICTION  
 This is a Computer Generated Invoice

2. New Purchase of ETAP software (5 users) for Power system Laboratory.

**INSTITUTE OF ENGINEERING & MANAGEMENT**  
 120 SDF BUILDING, SALT LAKE ELECTRONICS COMPLEX  
 SALT LAKE, KOLKATA-700099

**Purchase Order**

Name of Supplier: M/s. Sankar Software Solutions Pvt.Ltd.  
 Address: 127, Off. Phase, Block-9, Chokpara, M. Park, Phase, New Salt Lake, Kolkata-700099.  
 Contact Person: Order No: 0807000017-18-00  
 Date: 19-05-2017

Sl. No.	Description	Qty	Unit Price	Amount (Rs.)
1.	ETAP 8000/10 (4.1.50 lic 7 Modules) Add On module	5	110000	550000
2.	Dc load flow module	5	20000	100000
3.	Harmonics analysis (New) Removable license: Wind & Solar Power System (5point)	5	20000	100000

**Terms & Conditions**  
 Terms of Payment: Submission of final bill to a bank  
 Delivery: As mentioned

Authorized Signatory  
 M/S Sankar Software Pvt. Ltd.



3. Purchase of Chopper fed D.C. drive from Hertz power control for Electric drives laboratory.



4. Flooring done in all Electrical laboratories.



## MILESTONE EVENTS

### Technological Awareness Programme

On April 28, 2018 eminent speakers from POSOCO, Kolkata and academicians from IEST Shibpur were present to enlighten the students on “Power Grid Management in India”. This technology awareness program was first of its kind hosted by Department of Electrical Engineering. It was attended by 2nd Year, 3rd Year and 4th Year Electrical Engineering students and professors of IEM Kolkata and UEM Kolkata. Mr. Pritwish Mukhopadhyay,

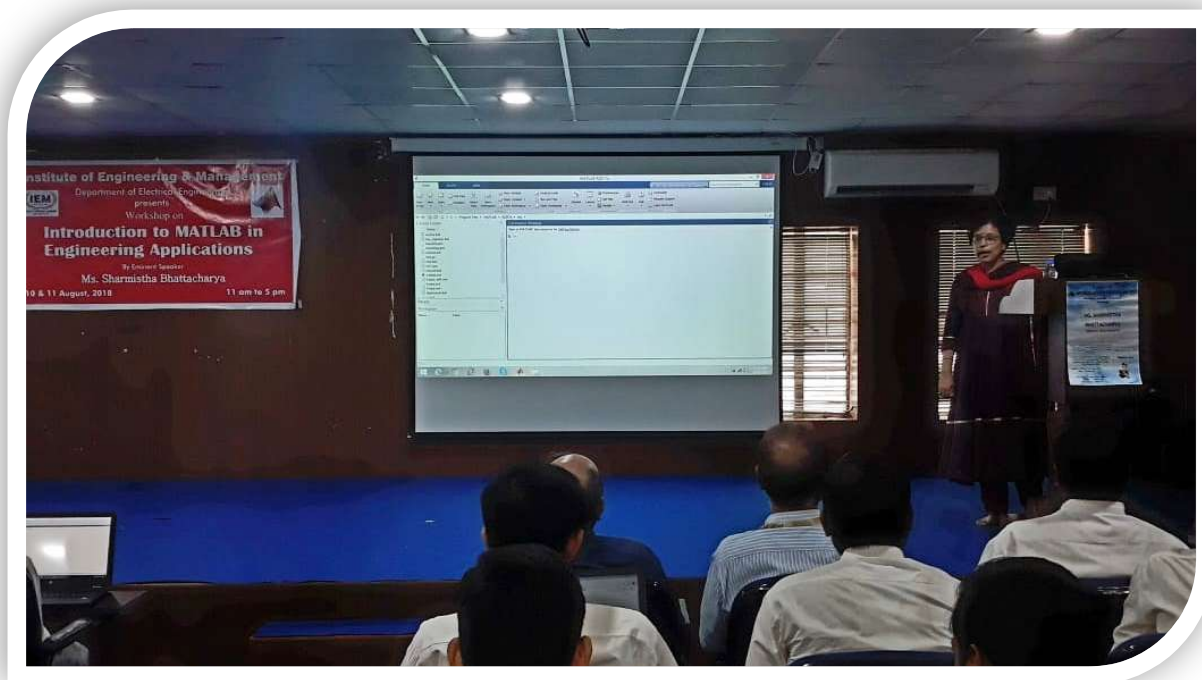
Executive Director, POSOCO, Kolkata; gave students a brief overview of Indian Power Grid, its evolution and regulatory framework. Mr. Chandan Kumar, Senior Engineer, POSOCO, Kolkata; was invited to speak about “Challenges in Indian Grid Management.” Prof. Dr. Gautam Bandyopadhyay, IEST Shibpur explained in details how GPS (Global Positioning System) is being used to monitor various parameters for managing grid using PMU (Phasor Measurement Unit). Mr. Surajit Banerjee, Deputy General Manager (DGM), System Operations, POSOCO, Kolkata spoke about how Government’s ambitious National Solar Mission (NSM) was being carried out throughout the country.



## A Workshop on Introduction to MatLab in Engineering Applications

A workshop on 'Introduction to MatLab in Engineering Applications' was arranged by department of Electrical Engineering, Institute of Engineering & Management at Management House, Kolkata on 10th and 11th August, 2018 under the supervision of Ms. Sharmistha Bhattacharya, Scientist, NIELIT, KOLKATA. The course content was compiled with writing m-script in MatLab, arrays and matrices handling, simulink, plotting, file handling, image processing and many more. Almost 80 students and faculties participated actively in this hands-on training program. At first programme was started with inaugural speech of Prof. (Dr.) A.K.

Nayak, Principal, IEM. All the students were involved in task solving activities by personal interaction and they are awarded with participating certificates. Organizing committee also provided MatLab study materials during the learning of MatLab. The programme was designed to help students for their project work and a prerequisite for performing experiments in different laboratory as a best soft tool. The workshop was closed after vote of thanks by Prof, Tapas Kumar Datta, H.O.D, Department of Electrical Engineering, and Institute of Engineering & Management.



Ms. Sharmistha Bhattacharya, Scientist, NIELIT, Kolkata, conducting the workshop on 'Introduction to MatLab in Engineering Applications'

## ENGINEIOUS 2018

ENGINEIOUS 2018, the annual flagship event of the IEI-IEM students' chapter of Electrical Engineering division was held on 27th – 28th September, 2018 at the IEM Management House campus. The two day programme was coordinated by Prof. (Dr.) Ankur Bhattacharjee, Faculty Adviser, IEI-IEM Students' Chapter of Electrical Engineering Division and his team having IEI student members, faculty members of Electrical Engineering Dept of IEM, Kolkata. The said programme constituted of various exciting scientific and technical events throughout the two days such as; Circuitrix, Technovacion, Dexterred, Young-Preneur, Qriosity, Technical Talk etc. ENGINEIOUS 2018 has made a great impact with a student participation of around 400 on each day of the event. The innovative research papers were presented by our students of EE dept. in the Technovacion event, judged by our HODs, senior faculties. In the event Circuitrix, tricky circuit design and execution were performed by the students of EE dept. and it attended a participation of around 200. There was technical talk on emerging research areas

like Plug in Electric Vehicle and Renewable Energy given by Dr. S M Ali, the Director (Membership), IEM. Various exciting prizes were awarded to the winners of different events and certificates of ENGINIOUS 2018 mentioning the collaboration with IEM was given to the participants. Overall, the ENGINIOUS 2018 turned out to be one of the most successful annual event organized by the Department of Electrical Engineering, IEM, Kolkata with future goals of ENGINIOUS 2019.



**Dignitaries on the Dias during the events of Enginious 2018**

## RESEARCH, PUBLICATIONS AND CONSULTANCY

### Statistics of Publications

Category	Number of research paper published
Conference	11
Journal	11



### AWARDS & RECOGNITION ACHIEVED BY TEACHERS

Name of the Faculty	Designation	Award Details
Dr. Ankur Bhattacharjee	Associate Professor	Early Stage Research Award.Joint UK-INDIA Clean Energy Research

### AWARDS & RECOGNITION ACHIEVED BY STUDENTS

Name of the student	Batch	Award Details	Achievements
Arpan Sil	2014	University Ranking	3rd position
Supriya Dubey	2016	NPTEL Course	top 1%
Avinash Kumar	2016	NPTEL Course	top 1%
Koustav Man	2017	Rank holder	top 10%
Avik Paul	2017	Rank holder	top 10%
Abhinav Srivastava	2017	Rank holder	top 10%
Subhadip Maiti	2017	Rank holder	top 10%
Anurag Tripathi	2017	Rank holder	top 10%
Rajarshi Chakraborty	2017	Rank holder	top 10%
Saket Suman	2017	Rank holder	top 10%
Shalini Mondal	2017	Rank holder	top 10%
Anahata Ghosh	2017	Rank holder	top 10%
Ved Prakash	2017	Rank holder	top 10%
Ranajit Goswami	2017	Rank holder	top 10%
Swastick Chakraborty	2017	Rank holder	top 10%
Shivam Shaw	2017	Rank holder	top 10%
Sagnik Ghosh	2016	Rank holder	top 10%
Suvrajit Mandal	2016	Rank holder	top 10%
Sourav Sam	2016	Rank holder	top 10%
Pritam Dey	2016	Rank holder	top 10%
Aditya Shah	2016	Rank holder	top 10%
Dattatreya Pati	2016	Rank holder	top 10%
Abhijit Majee	2016	Rank holder	top 10%
Pooja Baheti	2016	Rank holder	top 10%
Prateek	2016	Rank holder	top 10%
Abhinav Kumar	2016	Rank holder	top 10%
Ankit Kumar	2016	Rank holder	top 10%
Samriddhya Dey	2016	Rank holder	top 10%
Chandan Mahato	2016	Rank holder	top 10%
Riya Bhattacharjee	2015	Rank holder	top 10%
Chayan Bandyopadhyay	2015	Rank holder	top 10%
Arnab Shee	2015	Rank holder	top 10%



Name of the student	Batch	Award Details	Achievements
Tushar Karan	2015	Rank holder	top 10%
Himanshu Das	2015	Rank holder	top 10%
Abu Fazal	2015	Rank holder	top 10%
Sanjiv Gorain	2015	Rank holder	top 10%
Mayank Mrinal	2015	Rank holder	top 10%
Rishav Agarwal	2015	Rank holder	top 10%
Ajay Yadav	2015	Rank holder	top 10%
Baibhav Kumar	2015	Rank holder	top 10%
Ridhi Lakhotia	2015	Rank holder	top 10%
Sajan Kumar Agrawal	2015	Rank holder	top 10%

## NATIONAL & INTERNATIONAL COLLABORATIONS AND ACTIVITIES & MOUS

### Collaboration with IEI: IEI-IEM Students' chapter of Electrical Engineering division

*ENGINIOUS 2018*, the annual flagship event of the IEI-IEM students' chapter of Electrical Engineering division was held on **27<sup>th</sup> – 28<sup>th</sup> September, 2018** at the IEM Management House campus. The event was inaugurated by the distinguished dignitaries such as; Prof. (Dr.) Satyajit Chakrabarti, President, IEM, Kolkata, Prof. (Dr.) Satyajit Chakrabarti, Director, IEM, Kolkata, Dr. S M Ali, Director (Membership) of the Institution of Engineers India (IEI), Prof. (Dr.) A K Nayak, Principal, IEM Kolkata, Prof. (Dr.) Arun Kr. Bar, Dean (Engineering), IEM, Kolkata and Prof. T K Datta, HOD, Electrical Engineering Dept., IEM, Kolkata. The two day programme was coordinated by Prof. (Dr.) Ankur Bhattacharjee, Faculty Adviser, IEI-IEM Students' Chapter of Electrical Engineering Division and his team having IEI student members, faculty members of Electrical Engineering Dept of IEM, Kolkata. The said programme constituted of various exciting scientific and technical events throughout the two days such as; Circuitrix, Technovacion, Dextered, Young-Preneur, Qriosity, Technical Talk etc. *ENGINIOUS 2018* has made a great impact with a student participation of around 400 on each day of the event. The innovative research papers were presented by our students of EE dept. in the *Technovacion* event, judged by our HODs, senior faculties. In the event *Circuitrix*, tricky circuit design and execution were performed by the students of EE dept. and it attended a participation of around 200. There was technical talk on emerging research areas like Plug in Electric Vehicle and Renewable Energy given by Dr. S M Ali, the Director (Membership), IEI. Various exciting prizes were awarded to the winners of different events, and certificates of *ENGINIOUS 2018* mentioning the collaboration with IEI was given to the participants. Overall, the *ENGINIOUS 2018* turned out to be one of the most successful annual event organized by the Department of Electrical Engineering, IEM, Kolkata with future goals of *ENGINIOUS 2019*.

Few glimpses of the *ENGINIOUS 2018* are provided below,



Fig. 1



Fig. 2

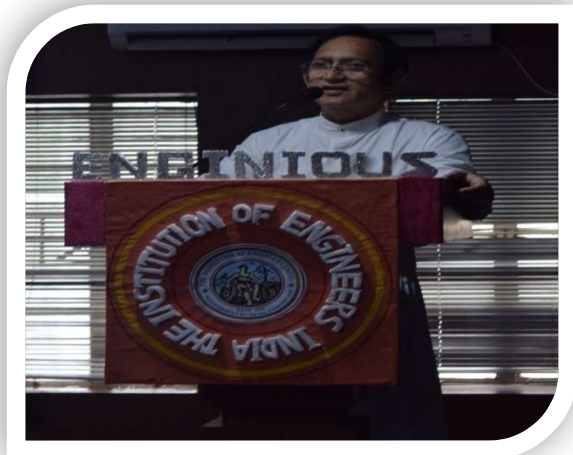


Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8

- Fig. 1: President of IEM, Kolkata felicitating Dr. S M Ali, Director IEI,
- Fig. 2: Dignitaries on the Dias during the events of Enginious 2018
- Fig. 3: President of IEM, Kolkata giving inaugural address
- Fig.4: Director, IEM is addressing the students of IEM at ENGINIOUS 2018.
- Fig.5: Director, IEI giving Technical Talk on Electric Vehicle at ENGINIOUS 2018.
- Fig. 6: Students attending the sessions
- Fig. 7: Prof. T K Datta, HOD, EE dept. IEM giving prize and certificates to students
- Fig. 8: Prof. (Dr.) AnkurBhattacharjee, giving prize and Certificates to students

### Collaboration with ISHRAE

Our student members attended many events initiated and organized by ISHRAE and ME Dept. throughout the year.

### Collaboration with IEST, Shibpur

Funding Agency	Project Title	Principal Investigator	Co-Principal Investigator	Status
Department of Science and Technology (DST), Govt. of India	Development of Intelligent Hybrid Solar-Biogas-Vanadium Redox Flow Battery based Microgrid System for 24×7 access to Electricity	Prof. Konika Das Bhattacharya, EE Dept.IEST, Shibpur	Prof. AnkurBhattacharjee, EE Dept.IEM, Kolkata	Submitted on 17 <sup>th</sup> April, 2018



Funding Agency	Project Title	Principal Investigator	Co-Principal Investigator	Status
Department of Science and Technology (DST), Govt. of India	Development of solar chargeable 5kW 40kWh Vanadium redox flow battery	Prof. Snehangshu Patra, IEST, Shibpur	Prof. Ankur Bhattacharjee, EE Dept. IEM, Kolkata	Submitted on 30 <sup>th</sup> May, 2018
Ministry of New and Renewable Energy (MNRE), Govt. of India	Development of optimized Battery Energy Storage System (BESS) for interfacing renewable energy with grid and peak shifting applications	Prof. Ankur Bhattacharjee, EE Dept. IEM, Kolkata	Prof. Hiranmay Saha, Prof. Konika Das Bhattacharya IEST, Shibpur, Prof. Tapas Kr. Datta, EE Dept. IEM, Kolkata	Submitted on 15 <sup>th</sup> Jan, 2019

## FDPS/DISTINGUISHED LECTURES ORGANIZED

1. Lecture series has been organized from 09<sup>th</sup> January to 11<sup>th</sup> January, 2019. Speaker was Prof. (Dr.) Sujit Kumar Biswas, Former Head & Professor of Electrical Engineering Department; Jadavpur University has given a lecture on Modern trends in Industrial Electrical Drives System. PWM techniques and its problems in offshore applications, active front end generation drive systems, Multilevel Inverter systems, Difficulty in filter designing in case of PWM system, and Space vector PWM technique have been discussed thoroughly. On day 2 Prof. (Dr.) Ranjan Ganguly of Power Engineering Department, Jadavpur University gave a lecture on Surface Micro fluidics for low cost point of care diagnostics devices: A game changer in health care industry.



Prof. (Dr.) Sujit Kumar Biswas giving lecture on “Modern Trends in Industrial Electrical Drives System.”



Prof. (Dr.) Ranjan Ganguly giving lecture on “Surface Micro fluidics for low cost point of care diagnostics devices: A game changer in health care industry.”

2. 19<sup>th</sup> September, 2018 a Technology Awareness Program (TAP) has been organized by Electrical Engineering Department. Mr. Dilip Mahapatra, General Manager (Technical), BHEL-PSER, Kolkata, has delivered a lecture on Power plant Engineering. Two more guest Mr. Niladri Chattopadhyay, Addl. GM (Mechanical & Electrical Division), Mr. Kamal Kumar Datta, Addl. GM (Technical service) attended the program and interacted with the students.



3. A lecture on A Cursory View of Capacitive Sensing by Prof.SugataMunsi, Electrical Engineering Department of Jadavpur University, Kolkata was organized by the department of EE, IEM on 4<sup>th</sup> October, 2018. The lecture was well structured for the understanding of the students stating the principles, types, applications, advantages, disadvantages and scope of research in the area of capacitive sensing. We will like to arrange more this type of lecture in near future so that it will not only help the students but the faculties also.





# INSTITUTE OF ENGINEERING & MANAGEMENT

Department of Electrical Engineering

## PLACEMENT

Placement Statistics for the Department							
Name of the Department: EE				Odd Semester: 2018-19			
Sl No	Pass Out Batch Year	Batch Strength	Students opting out of the Placement process/ Not eligible for Placement	Number of Students Placed till 28th Feb, 2019	Total Number of offers received by Placement Seeking Students	Maximum Package	Average Package
1	2019	130	34	42	43	8.25 LPA	4.05 LPA

Company Details for the Department					
Name of the Department: EE			Odd Semester: 2018-19		
Serial Number	Pass Out Batch Year	Batch Strength	Name of the company	Number of Students Placed till 28th Sept, 2019	Package (LPA)
1	2019	130	Sankalp	1	4
2	2019	130	TCS Ninja	21	3.36
3	2019	130	GreyB	1	5.2
4	2019	130	Wipro	6	3.5
5	2019	130	IBM	1	3.6
6	2019	130	Infosys	7	3.36
7	2019	130	Debson Pumps	1	1.8
8	2019	130	ARW	1	8.25
9	2019	130	CTS	4	3.38

# TRI-MENTORING AND ALUMNI INTERACTION ACTIVITIES

One of our alumnus Mr. Subhrajit Saha (2013 batch), currently working as assistant manager in Coffee Day Beverage Pvt. Limited, interacted with the 2017 EE batch students and shared his memories of IEM. He also discussed the challenges in industrial activity.



## PUBLICATIONS

Journal					
Sl No	Topic of Publication	Authors	Journal Name	Volume	Pages
1	Development of an efficient thermal management system for Vanadium Redox Flow Battery under different charge-discharge conditions	<b>Ankur Bhattacharjee,</b> Hiranmay Saha	Applied Energy, Elsevier	Vol. 230,	Page: 1182-1192
2	Development and validation of a real time flow control integrated MPPT charger for solar PV applications of Vanadium Redox Flow Battery	<b>Ankur Bhattacharjee,</b> Hiranmay Samanta, Nipak Banerjee, Hiranmay Saha	Energy Conversion and Management, Elsevier	Vol. 171,	Page: 1449-1462.
3	Precision dynamic equivalent circuit model of a Vanadium Redox Flow Battery and determination of circuit parameters for its optimal performance in renewable energy	<b>Ankur Bhattacharjee,</b> Anirban Roy, Nipak Banerjee, Snehangshu Patra, Hiranmay Saha	Journal of Power Sources, Elsevier	Vol. 396,	Page: 506-518

Journal					
Sl No	Topic of Publication	Authors	Journal Name	Volume	Pages
	Applications				
4	Design and experimental validation of a generalized electrical equivalent model of Vanadium Redox Flow Battery for interfacing with Renewable energy sources	<b>Ankur Bhattacharjee,</b> Hiranmay Saha	Journal of Energy Storage, Elsevier	Vol. 13,	Page: 220-232
5	Energy Non Availability in Distribution Grid with Heavy Penetration of Solar Power: Assessment and Mitigation through Solar Smoother	Tathagata Sarkar, <b>Ankur Bhattacharjee,</b> Kanak Mukherjee, Konika Das Bhattacharya, Hiranmay Saha	Energies	Vol. 11,	Page: 1-19
6	Digital Leads to Smoother Operation	Ashit Prasad, R Choudhary, <b>S Chaudhuri,</b> AK Biswal, SK Verma, CS Seshu, S Shukla and RK Purohit	Steel Times International	Vol 41,	pp 37
7	Revamping of Electro-Mechanical Tandem Cold Rolling Mill#1, Bokaro Steel Plant - A cost effective scheme	Ashit Prasad, R RChoudhary, I Banerjee , Anup Prasad, <b>Dr S Chaudhuri,</b> B K Choudhary , Rajan Prasad, B Prasad and Anand Yadav	Steel & Metallurgy	Vol 19,	pp 24-27
8	Effective Project Management in Steel Industry	S Mitra Mazumder, R Agrawal, <b>S Chaudhuri,</b> M Choubey and A Gupta	Annual technical Volume #2 of Metallurgical & Materials Engineering Division Board, Institution of Engineers	Vol 2	pp 27-42
9	Improvement in productivity of sinter machine through increased	ST Selvam, <b>S Chaudhuri</b>	Process & Plant Engineering	Vol XXXIII	

Journal					
Sl No	Topic of Publication	Authors	Journal Name	Volume	Pages
	size segregation of charged feed		Journal		
10	Absolute Encoders reduce breakages	Ashit Prasad, R Prasad, N Thakur, <b>S. Chaudhuri</b> , DN Mohanty	Steel Times International		pp 36-37
11	An innovative magnetic charging chute to improve productivity of sinter machine at RSP	S.T. Selvam, <b>S. Chaudhuri</b> , A. Das, M.K. Singh, HK Mahanta	Elsevier-Physics Procedia	Vol 54,	pp 180-184

Conference			
SL No	Topic of Publication	Authors	Conference Name
1	Design of an optimized Battery Energy Storage enabled Solar PV Pump for Rural Irrigation	<b>Ankur Bhattacharjee</b> , Dipak Kr. Mandal, Hiranmay Saha	IEEE International conference on Power Electronics Intelligent Control & Energy Systems
2	MATLAB/Simulink model of stand-alone Solar PV system with MPPT enabled optimized Power conditioning unit	Bijit Kr. Dey, Nirabhra Mandal, Imran Khan, <b>Ankur Bhattacharjee</b>	IEEE 7th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON)
3	Mathematical modelling and characteristic analysis of Solar PV Cell	Bijit Kr. Dey, Nirabhra Mandal, Abhishek Paul, <b>Ankur Bhattacharjee</b>	IEEE 7th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON)
4	Generalized Stochastic Petri Nets (GSPN) for Analysis of Microgrid under Uncertainties	<b>Debashis Jana</b> , Niladri Chakraborty	NPSC-2018, 20th IEEE National Power System Conference, NIT Trichy, India
5	Small Scale Grid Penetration Strategies	Arpan Sinha, Barun Mondal, <b>Debashis Jana</b>	International Conference on Recent Innovations in Electrical, Electronics & Communication Engineering-(ICRIEECE-2018), Bhubaneswar, India
6	Economic load dispatch by optimal scheduling of generating units using improved real coded	Dipyann De, Deblina Saha, Tirthankar Samanta, <b>Debashis</b>	8th Annual Industrial Automation and Electromechanical

Conference			
SL No	Topic of Publication	Authors	Conference Name
	genetic algorithm	<b>Jana</b>	Engineering Conference, Bangkok, Thailand
7	PSO based stability analysis of a computational intelligent algorithm using SOS	Dipika Ghosh, Mainak Biswas, <b>Debashis Jana</b> , et al.	8th Annual Industrial Automation and Electromechanical Engineering Conference, Bangkok, Thailand
8	Performance Improvement of Rolling Initiation Process in Plate Mill, Bhilai Steel Plant	R R Choudhary, Ashit Prasad, <b>Dr. S Chaudhuri</b> , A K Biswal, S K Verma, C S Seshu	"Maximizing Productivity of Steel Industries (MaxPro-2017)", Ranchi
9	Improvement in the Operational Efficiency of Slab Kick-off Mechanism on Charging Side of Re-heating furnace	Ashit Prasad, RR Choudhary, Chandan Kumar, N Mondal, Aneesh PA, <b>Dr S Chaudhuri</b> , Chandra Shekhar, Manoj Kumar, Anand Prakash Yadav	NMD-ATM 2017, Goa
10	Polarization and depolarization current analysis of thermally aged oil impregnated kraft paper	<b>K. Y. Raj</b> , P. Das, A. Kumar, N. Haque, B. Chatterjee, S. Dalai	2017 IEEE Calcutta Conference (CALCON)
11	An approach to quantify the applicability of DG placement techniques using Fault Tree Analysis	<b>Ranjita Chowdhury</b> , Niladri Chakraborty	NPSC-2018, 20th IEEE National Power System Conference, NIT Trichy, India



# ELECTRICAL & ELECTRONICS ENGINEERING

### Department Statistics:

<b>Faculty Strength:</b>	<b>12</b>
<b>Student strength:</b>	<b>176</b>
<b>Year of establishment:</b>	<b>2015</b>

## Objectives

To produce comprehensively trained socially responsible, innovative engineers and researchers of highest quality to contribute to the nation's imprint on the world stage.



# Electrical & Electronics Engineering

## **GOALS AND PLANS FOR NEXT YEAR**

- Will organize some Industry visit for 2<sup>nd</sup> year and 3<sup>rd</sup> students.
- Since our 1<sup>st</sup> batch is passing out in 2019, will start Industry mentoring system actively in the upcoming year.
- Some IEEE events will also be organized in the upcoming semester.

### NEW ADDITIONS

### Advanced DSP & Speech Processing Lab



### MILESTONE EVENTS

### SEMINAR on "Introduction to IOT"

**Venue:** IEM Management Campus  
(Auditorium)

**Date:** 19/Feb/2018

**Time:** 9:30a.m.

**Speaker(s):** Mr. Praveen Baheti  
(Founder and Managing Director,  
Alien Brains Pvt. Ltd.)

The main objective of the seminar was to introduce students with M2M communication and its relevance to automation on large scale in industry. Introduction to Embedded Systems and Microcontrollers helped the students with practical simulations. Basic networking - Socket Programming, TCP, UDP, MQTT



Protocol. ESP8266 pin configuration and pin setup were discussed briefly in the session. During the session students have developed sensor circuits with OP-Amps and Transistors as hands on session regarding Arduino Programming.

## SEMINAR on "Current and Future Trends in Mobile Communication"

**Venue:** IEM Management Campus (Auditorium)

**Date:** 13/Feb/2018

**Time:** 9:30a.m.

**Speaker(s):** Dr. Kaushik Ray

The main objective of the seminar was to introduce students with the "Current and Future Trends in Mobile Communication". The session began with Dr. Kaushik Ray from IDEA, Cellular Limited, Kolkata.

During the seminar he talked about the theoretical aspects of the mobile communication system. Knowledge about BSC (base station controller) and MSC (mobile switching center) and ISP servers were given. The main focus of the lecture was the process of making calls and stages in between, CDMA, TDM, FDM, Control channels, traffic channels and mobile networks. Students were offered the Industrial visit to Idea cellular limited after seeing the interest of students in the communication system.





### SEMINAR on "Software Engineering"

**Venue:** IEM Management Campus (Seminar Hall)

**Date:** 9/March/2018

**Time:** 9:30a.m.

**Speaker(s):** Dr. Detlef Streitferdt, Faculty, Department of Software Architectures and Product Lines Group, Ilmenau University of Technology, Germany

The main objective of the seminar was to introduce students with “Software Technology”. The session began with speaker Dr. Detlef Streitferdt, from Ilmenau University of Technology, Germany. He is working as a faculty in the Department of Software Architectures and Product Lines Group. This session introduced the students with the new trends in Software Engineering and the application of engineering to the development of software in a systematic method. Students were introduced to the process of defining the architecture, components, interfaces, and other characteristics of a system or component. The detailed creation of working, meaningful software through a combination of programming, verification, unit testing, integration testing, and debugging were also introduced in the session.



### SEMINAR on “Power Electronics and Electrical Drives”

**Venue:** IEM Management Campus (Auditorium)

**Date:** 12/April/2018

**Time:** 9:30a.m.

**Speaker(s):** Dr. Sujit Kumar Biswas (Chair, IEEE KOLKATA Section)

The main objective of the seminar was to introduce “Power Electronics and Electrical Drives” to the students. It basically dealt with control, conversion and conditioning of electrical power and evolution of power electronics over the years.



### SEMINAR on “Recent Technologies Adopted by CESC (Calcutta Electric Supply Corporation)”

**Venue:** IEM Management Campus (Auditorium)

**Date:** 5/May/2018

**Time:** 9:30a.m.

**Speaker(s):** Mr. Susovan Patra (DGM, CESC, Kolkata)

The main objective of the seminar was to aware students about the Recent Technologies Adopted by CESC.

The session began with Mr. Susovan Patra, DGM, Calcutta Electric Supply Corporation. He begins the session with the introduction of recent work culture in CESC. The detailed practical knowledge about the system involved in electrical supply was introduced to the students. Students clear doubts about various components and systems utilized in electric supply. The basics of generation and transmission of electricity and the need of efficiency of the machines were the key aspects of



the session. The session continues with the recent technologies on which CESC is currently working and how it has increased the efficiency of generation unit. Mr. Susovan Patra also discussed about the reasons of blackout in India that took place on 30 July 2012. He told students how CESC helped other generating stations to recover from the situation. Finally he talked about the benefits that CESC provides to his employees. After the session students were able to correlate the theoretical knowledge with the practical implementation.

## Workshop on “Machine Learning”

**Venue:** IEM, Kolkata

**Date:** 18/August/2018 to 21/August/2018

**Time:** 9:00 AM -5:00 PM

**Speaker:** Dr. Andrew Park, Associate Professor, Thompson Rivers University, Canada.

The main objective of the workshop is to understand the science of getting computers to act without being explicitly programmed. In the past decade, machine learning has given us self-driving cars, practical speech recognition, effective web search, and a vastly improved understanding of the human genome. Machine learning is so pervasive today that we probably use it dozens of times a day without knowing it. Many researchers also think it is the best way to make progress towards human-level AI. In this workshop students learn about the most effective machine learning techniques, and gain practice implementing them and getting them to work.

## Workshop on “JAVA and its Application”

**Venue:** IEM, Kolkata

**Date:** 28/Sep/2018, 29/Sep/2018, 4/ Sep/2018  
and 5/Sep/2018

**Time:** 9:00 AM -5:00 PM

**Speaker:** Prof. Babak Esfandiari is a Professor at the Department of Systems and Computer Engineering at Carleton University in Ottawa, Canada.

The main objective of the workshop is to understand details of Object Oriented Language. JAVA is WORA (write one's run anywhere) language. JAVA is general-purpose computer-programming language that is concurrent, class-based, object-oriented and specifically designed to have as few implementation dependencies as possible. Next



objective of the workshop is to understand that Python is a high-level, interpreted and general-purpose dynamic programming language that focuses on code readability. The syntax in Python helps the programmers to do coding in fewer steps as compared to Java or C++.

## Industrial Visit

**Venue:** IDEA Cellular Limited, Kolkata

**Date:** 24/Feb/2018

**Time:** 9:30a.m.

Industrial visit was carried out at IDEA cellular limited, Kolkata. The main objective behind the visit was to make student aware about the process involved in communication through cellulars.



**Venue:** Tega Industries Limited, Kolkata

**Date:** 9/April/2018

**Time:** 9:30a.m.

Industrial visit was carried out at Tega Industries limited. The main idea for the visit is to make students aware about the design & production of mining & bulk solids handling industry. The company offers value added consultancy services and solutions in the areas of mineral beneficiation and material handling, which are tailored to suit specific customer needs.







# RESEARCH, PUBLICATIONS AND CONSULTANCY

## Patent Information

Sl No	Name	Designation	Topic
1	Dr. Himadri Nath Saha	Head of the Department	RF based Energy efficient vehicle alert system to reduce the noise pollution
2	Dr. Himadri Nath Saha	Head of the Department	A low cost fully autonomous GPS (Global Positioning System) based Quad copter for disaster management.
3	Dr. Himadri Nath Saha	Head of the Department	A low cost, energy efficient hybrid protocol device for establishing rapid ad-hoc networks.

## Statistics of Publications

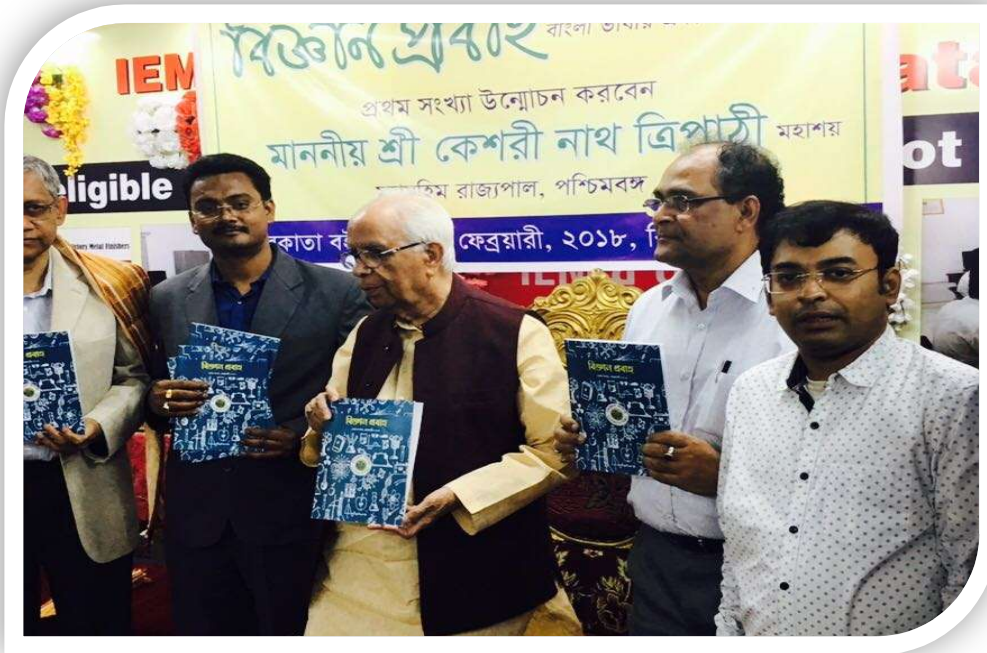
Category	Number of research paper published
Conference	57
Book	1
Journal	12

### AWARDS & RECOGNITION ACHIEVED BY TEACHER

**Dr. Himadri Nath Saha**



**GPS Based Autonomous Drone**



Felicitation of authoring a book “BigyanPrabah” in collaboration with VECC

### Awards & Recognitions:

1. He received “**Young Scientist Award**” from International research Award on Engineering Science and Management.
2. He is the chief editor of an **SCI indexed journal SENSOR**.
3. He has been invited to address students of **University of Connecticut**.
4. He has initiated a collaboration with **Cadema InfoTech Private Limited**.
5. He was awarded as a **FELLOW** from Institution of Electronics and Telecommunication Engineers (**IETE**).
6. He was awarded by our honourable **Governor of West Bengal** for authoring a book titled as “**BigyanPrabah**” in collaboration with **Bhawa Atomic Research Centre**
7. He was awarded as a **FELLOW** from Institution of Engineers (India).
8. He was awarded as a **Senior Member of IEEE(USA)**.
9. He is the Technical Chair of **IEEE IEMCON**.
10. He is the Technical Chair of **IEEE IEMCON**.
11. He is the Technical Chair of **IEEE UEMCON**.
12. He is the technical chair of **IEEE CCWC**.

### Achievements:

1. He is one of the top **12.5% scientist in the world according to ResearchGate**.



# INSTITUTE OF ENGINEERING & MANAGEMENT

## Department of Electrical & Electronics Engineering

2. He has invented a **low-cost, fully autonomous GPS-based drone for disaster management**. He is doing this research in collaboration with **Bhaba Atomic Research Centre**.
3. He is one of the executive committee members of IEEE Kolkata Section.
4. He is the Branch Counsellor of IEEE Student Branch & Faculty Head of ACM Student Chapter.
5. He was the Former member of IUCEE.
6. He is the Product Consultant of LifeLine Care Technologies, Chennai.
7. He has received an **invitation from National Technical University of Athens**.

Website: <https://www.drhimadrinathsaha.com/>

## AWARDS & RECOGNITION ACHIEVED BY STUDENTS

2017-2021 Batch					
Name	Event Name	Event Type (Workshop/ Conference/ Seminar/ Course (NOT NPTEL)/ Symposium/ Other (please mention the type))	Organised by	Duration	If received any award
Avishek Sen	ICELTS	International Conference on English Learning and Speaking Skills	IEM, KOLKATA	1 month	Appreciation and memento
Avishek Sen	ICELTS	International conference on English Learning and Teaching Skills	IEM	3 days	Yes
Moni Kumari	IEI	conference / seminar	forget	2 days	none
Pranita Ganguly	Innovacion	Machine learning workshop	IEM	1 month	Certificate
Pranita Ganguly	Makers Faire	Science model exhibition	IEM	1 day	Volunteering certificate
Pranita Ganguly	Makers Faire	Science model	IEM	1 day	Volunteering

2017-2021 Batch					
Name	Event Name	Event Type (Workshop/ Conference/ Seminar/ Course (NOT NPTEL)/ Symposium/ Other (please mention the type)	Organised by	Duration	If received any award
		exhibition			certificate

2016-2020 Batch						
Name	Event Name	Event Type (Workshop/ Seminar/ Conference/ Symposium/ Course	Organised by	Duration	If received any award	Position secured
Amitosh Banerjee	IoT Challenge 2019	Workshop	Radiance, IIT BOMBAY i3ndya technologies	31 Jan - 1 Feb	Certificate of Participation	
Shubham kumar	Poster writing, Robotics workshop	Workshop	IEEE ,DIST RONIX	(1 day) , (3 day)	Na	
Subhronil Roy	IEEE CCWC Annual Conference ,Las Vegas,USA	IEEE Paper Publish	IEEE	8-10th Jan 2018	Certificate for publishing paper on A LOW COST REMOTE CONTROLLED UNDER WATER ROVER	NA
Avirup Kar	Boot camp	Seminar	IEST Shibpur	3 Days	Certificate	
Avirup Kar	Kshitij	Workshop	IIT	3 days	Certificate	

2016-2020 Batch						
Name	Event Name	Event Type (Workshop/Seminar/Conference/Symposium/Course)	Organised by	Duration	If received any award	Position secured
	Techno-Management Fest		Kharagpur			
Avirup Kar	Winter Training	Training Course	Durgapur Thermal Power Station, DVC	28 Days	Certificate	
ANINDYA KUMAR SARKAR	IEEE CCWC 2018	THE 8TH IEEE ANNUAL WORKSHOP AND CONFERENCE	IEEE(UNIVERSITY OF NEVADA)	8TH TO 10TH JAN'18	CERTIFICATE OF PRESENTATION AND PUBLICATION OF THE PAPER	
Ravi Kumar	Technovation	ENGINEIOUS 2017	IEM-IEI	2	Yes	3rd
Ravi Kumar	Distronix	Workshop	Innovacion	2	No	
Ravi Kumar	Web Development Workshop	Workshop	Innovacion	2	No	
Ravi Kumar	TAP	Seminar	IEEE	3	No	
RANITA BHOWMI K	Workshop, seminar	Industrial training , cultural fest	IEM, INNOVACIONA, IIT KANPUR, IEI GROUP, WBSEDCL	1st yr to 3rd yr	Rangoli in cultural fest	2nd
Tabish Anjum	Spectrum 2018(Poster Session)	Conference	Institute of Engineering and Management with EEE	8 hrs	No	Participation Certificate

2016-2020 Batch						
Name	Event Name	Event Type (Workshop/ Seminar/ Conference/ Symposium/ Course)	Organised by	Duration	If received any award	Position secured
			AP-MTT Joint Chapter			
Sneha Das	IEMPACT, Innovacia	Robotics Workshop, Others(Cultural Fest)	IEMPACT, Innovacia	Cultural fest-2 days, workshop-2 days	IEMPACT 2018- Indian Classical Dance Solo-1st position, IEMPACT 2019- 1' min to fame -1st position , Indian Classical Dance solo-2nd position.	1st
Sayantika Kundu	IEM-IEM students' chapter	Seminar	IEM-IEM Student's Chapter	January 2019 to June 2019	Membersh ip	Member
Sayantika Kundu	Training	Training	WBSEDCL	15 June 2018 to 29 June2018	Certificate	
Sayantika Kundu	IEI-IEM Students' Chapter	Conference/Se minar	IEI-IEM students' chapter	January 2019 to June 2019	Certificate	
Sayantika Kundu	Techgyan composit IIT Kharagpur	Workshop	Vidyavilla Foundation at IIT Kharagpur	24 & 25 March 2018	Certificate	
Sayantika Kundu	Kritanj 2016	Inter college /school Project display competition (The Annual Technical Festival)	Narula Institute of Technology	7-8 April 2016	Certificate of Merit & Trophy	Special position

2016-2020 Batch						
Name	Event Name	Event Type (Workshop/ Seminar/ Conference/ Symposium/ Course)	Organised by	Duration	If received any award	Position secured
Sayantika Kundu	Machine Learning	IEM-UEM International Program	Dr.Andrew Park of Thompson Rivers University, Canada under IEM-UEM International Program	1st September 2018	Certificate	70%marks
Sayantika Kundu	Modern Trends in Power Electronic Converter	National Seminar	Technical Education Quality Improvement Programme	17-Mar-17	Certificate	
Sayantika Kundu	Recent Trends in Personnel Safety - Internal Arc Resistant Safegear	Seminar	NIT,Agarpara in collaboration with Engineering College Students Chapter in Institution of Engineers (India)	6th October 2015	Certificate	
Sayantika Kundu	Advancement of Power Electronics in Industrial Motor Control	Seminar	NIT,Agarpara in technical collaboration with Engineering college students chapter of Institution of Engineers	27-Apr-16	Certificate	



2016-2020 Batch						
Name	Event Name	Event Type (Workshop/ Seminar/ Conference/ Symposium/ Course)	Organised by	Duration	If received any award	Position secured
			(India)			
Sayantika Kundu	Kritanj	Inter college/school Project display competition	NIT, Agarpura	7-8th April 2016	Certificate	
Sayantika Kundu	Academic Excellence	Academic Excellence	Narula Institute of Technology	May 12, 2017	Certificate & Award	1st
Ajita Kumari	Spectrum	Conference	Institute of engineering and management	6 hours	No	

2015-2019 Batch		
Students name	Awards/Achievements	
	Name of the competition	Position held
Saurabh Tibrewal	Destrix	2nd
Saurabh Tibrewal	Badminton	Runner up
Pratyasha Das	INNOVARE, INNOVACION 2016	Others
Pratyasha Das	MODEL MAKING, NEN E WEEK'16	Others
Anirban Mukherjee	TECHNOVACION	2nd
	NPTEL ONLINE COURSE ON C++ ELITE CERTIFICATE WITH 76%	NPTEL ONLINE COURSE ON POWER SYSTEM ELITE CERTIFICATE WITH 72%
Ankit Kumar	ENGINEIOUS CIRCUITRIX 2016	2ND
Ankit Kumar	ENGINEIOUS 2017 PAPER PRESENTATION	1ST
Ankit Kumar	KABADDI TOURNAMENT 2017	1ST
Rajib Chatterjee	VIT Ignite Regional competition	3rd
Rajib Chatterjee	Innovare (Innovacion)	2nd
Rajib Chatterjee	NEN E-Week model making	1st
Ranjan Kumar Kush	science exhibition	Regional level
Anupam Khatua	Paper presentation	1st
	Mechanix	1st
Ankana Saha	CARROM2015	2ND



# INSTITUTE OF ENGINEERING & MANAGEMENT

Department of Electrical & Electronics Engineering

2015-2019 Batch		
Students name	Awards/Achievements	
	Name of the competition	Position held
	GREEN REVOLUTION	A+ certificate
Dalbir Singh	Electrocuted	2nd
Nitish Singh	IEM PREMIER LEAGUE	Winners
Nitish Singh	IEM Kabaddi Championship	Winners
Nitish Singh	Karate	Yellow Belt
Pratik Raj	Robotics	
Pratik Raj	Marathon	10
Akash Bhagat	Dextered	3rd
Soumik Dey	Blitzkerg (online)	Rank 342
Soumik Dey	Unplugged event at Alcheringa(IIT Guwahati)	Finalist
Jay Sutradhar	Robotics Workshop	Participation
Abhirup Sengupta	Robowar(Man o Man)	4th
Amit Kumar Singh	Paper Presentation	1st
Amit Kumar Singh	IEM cricket tournament	1st
Amit Kumar Singh	IEM kabaddi tournament	1st
Ashish Kumar Mahato	National Merit Scholarship	First
Syed Wakash Ahamad	TECHNOVATION	1ST PRIZE
Soutrik Roy	innovacion2017	Graphic Designer
Soutrik Roy	IEEE TAP,2017	Graphic Designer and Event Manager
Priyanta Basak	Kshitij	finalist of Eureka
Priyanta Basak	kshitij mun	best deligtae
Sujan Biswas	TECH FEST ,TECHNO INDIA	MARINO DRIFT - 1st ,DRAGON-2nd
Sujan Biswas	TECH FEST,GNIT	ROBO SOCCER-1st
Sujan Biswas	TECH FEST,MIT	S.O.S-1st

## ENTREPRENEURSHIP

Name of the Student	Name of the Start up	Details of the start-up
Madhusudan Chawda	Infinite Mantras	Monthly Student magazine



## NATIONAL & INTERNATIONAL COLLABORATIONS AND ACTIVITIES & MOUS

<b>Faculty name</b>	<b>Collaborations</b>
Dr. Himadri Nath Saha	Critical Infrastructure Protection Group, The Johns Hopkins University Applied Physics Laboratory Collaborator: Lanier A. Watkins
Dr. Himadri Nath Saha	Carleton University Collaborator: Dr. Babak Esfandiari
Dr. Himadri Nath Saha	Technische University Ilmenau Collaborator: Dr. Detlef Streitferdt
Dr. Himadri Nath Saha	Grand Valley State University Collaborator: Nabeeh Kandalaft

## FDPS/DISTINGUISHED LECTURES ORGANISED

<b>SL No</b>	<b>Date</b>	<b>Topic</b>	<b>Organized by</b>	<b>Attended by</b>
1	28/06/18-3/07/ 2018	Python Training	IEM, Kolkata	Faculties from IEM, Kolkata
2	1/7/2019	Renewable Energy	IEM, Kolkata	Faculties from IEM, Kolkata
3	1/7/2019	Image and Identity: Re-viewing Media Representations	IEM, Kolkata	Faculties from IEM, Kolkata
			IEM, Kolkata	Faculties from IEM, Kolkata
4	1/8/2019	Renewable Energy Scenario and Road Map in India	IEM, Kolkata	Faculties from IEM, Kolkata
5	1/8/2019	Will China be the next super power?	IEM, Kolkata	Faculties from IEM, Kolkata
6	1/8/2019	Will China be the next super power?	IEM, Kolkata	Faculties from IEM, Kolkata
7	1/9/2019	Bio-Engineering	IEM, Kolkata	Faculties from IEM, Kolkata
8	1/10/2019	Bio-Engineering	IEM, Kolkata	Faculties from IEM, Kolkata
9	1/11/2019	Science, Society & Scientists: A Spatio-temporal Evolutionary History	IEM, Kolkata	Faculties from IEM, Kolkata
10	1/12/2019	Introduction to Data Science & Industry	IEM, Kolkata	Faculties from IEM, Kolkata

		perspective		
11	1/13/2019	Basic concepts of Machine Learning	IEM, Kolkata	Faculties from IEM, Kolkata
12	1/14/2019	Hands-on ML with Python	IEM, Kolkata	Faculties from IEM, Kolkata
13	1/15/2019	Basic concepts of IoT	IEM, Kolkata	Faculties from IEM, Kolkata
14	1/16/2019	Quantum Computing	IEM, Kolkata	Faculties from IEM, Kolkata
15	1/17/2019	Personal Finance	IEM, Kolkata	Faculties from IEM, Kolkata

## PLACEMENT

**Key achievements:** EEE 4<sup>th</sup> year student (batch 2015-2019), Soumik Dey got placed in TCS via Code Vita through direct Interview.

SI No	Name of the Student	Name of the company	Package
1	ABHIRUP MUKHERJEE	TCS (Ninja)	3.36 LPA
2	ANIRBAN MUKHERJEE	TCS (Ninja)	3.36 LPA
3	AYAN DE	TCS (Ninja)	3.36 LPA
4	DALBIR SINGH	TCS (Ninja)	3.36 LPA
5	MANISH KUMAR	TCS (Ninja)	3.36 LPA
6	MOHIT DOKANIA	TCS (Ninja)	3.36 LPA
7	NITISH SINGH	TCS (Ninja)	3.36 LPA
8	PRATYASHA DAS	TCS (Ninja)	3.36 LPA
9	SAPTARSHI MITRA	TCS (Ninja)	3.36 LPA
10	SAURABH TIBREWAL	TCS (Ninja)	3.36 LPA
11	SUBHOJIT ROY CHOWDHURY	TCS (Ninja)	3.36 LPA
12	SURAJIT SENGUPTA	TCS (Ninja)	3.36 LPA
13	SYED WAKASH AHMAD	TCS (Ninja)	3.36 LPA
14	SOUMIK DEY	TCS(Code Vita)	3.36 LPA
15	SOUMYA KASHYAP	IBM	3.6 LPA
16	JUHI GUPTA	Wipro	3.5 LPA
17	PRIYANTA BASAK	Wipro	3.5 LPA
18	RAJIB CHATTERJEE	Wipro	3.5 LPA
19	AKASH	INFOSYS	3.5 LPA
20	ANKIT KUMAR	INFOSYS	3.5 LPA
21	SHANU KUMAR	INFOSYS	3.5 LPA
22	SOUTRIK ROY	INFOSYS	3.5 LPA
23	SUPRAKET	INFOSYS	3.5 LPA
24	ANUPAM KHATUA	CTS	3.38 LPA
25	MUDASSIR NEYAZ	CTS	3.38 LPA
26	NIHARIKA ROY	CTS	3.38 LPA

## TRI-MENTORING AND ALUMNI INTERACTION ACTIVITIES

SL NO	Alumni Mentoring Session		Date	Attended By
	Name of the Alumni	Batch		
1	Maitrayee Saha, Alumni, CSE	2017	27-Jul-18	Students
2	Dipra Chakraborty, Alumni, CSE	2017	17-Aug-18	Students

## PUBLICATIONS

### Faculty

Faculty – Book				
SL No	Name of the Book	Authors	Name of Publisher	Status
1	WBUT Database Management System	Himadri Nath Saha	Systech Education	Published

Faculty – Journal (2018)						
Sl. No.	Name of Faculty	Title of the Paper	Name of Journal/ Conference	Volume where it has been published	Page Numbers	National/ International
1	Himadri Nath Saha	Authorship attribution of short texts using multi-layer perceptron	International Journal of Applied Pattern Recognition (IJAPR)	Vol 5, Number 3	pp. 251-259	International
2	Prof. Dr. Swati Chowdhuri	Relay node selection algorithm consuming minimum power of MIMO integrated MANET	Advances in Computational Design.	10.12989/a cd.2018.3.2 .191	191-200	International
3	Prof. Dr. Swati	Minimum Power	Indian Journal of	10.17485/ijst/2018/v11	1-8	National

Faculty – Journal (2018)						
Sl. No.	Name of Faculty	Title of the Paper	Name of Journal/ Conference	Volume where it has been published	Page Numbers	National/ International
	Chowdhuri	Consuming Algorithm to Select Relay Node of Mimo Integrated Mobile Ad Hoc Network	Science & Technology	i26/118888		
4	Prof. Dr. Swati Chowdhuri	Fragment-based transmission using minimum power consumed routing (FBTMPCR) algorithm of a MIMO integrated MANET	TURKISH JOURNAL OF ELECTRIC AL ENGINEERING & COMPUTER SCIENCES	10.3906/el k-1611-119	407-417	International
5	Prof. Dr. Swati Chowdhuri	Mathematical Derivation of MIMO Based MANET to Improve the Network Performance	Journal of Computer Science	ISSN Online: 15 52-6607		

Faculty – Journal (2017)						
Sl. No.	Name of Faculty	Title of the Paper	Name of Journal/ Conference	Volume where it has been published	Page Numbers	National/ International
1	Prof. Dr. Himadri Nath Saha	An Univariate Feature Elimination Strategy for Clustering Based on Metafeatures	International Journal of Intelligent Systems and Applications (IJISA)	Vol. 9, No. 10	20-29	International

Faculty – Journal (2017)						
Sl. No.	Name of Faculty	Title of the Paper	Name of Journal/ Conference	Volume where it has been published	Page Numbers	National/ International
2	Prof. Dr. Himadri Nath Saha	Comparative Performance Analysis between nRF24L01+ and XBEE ZB Module Based Wireless Ad-hoc Networks	International Journal of Computer Network and Information Security (IJCNIS)	Volume 9	36-44	International
3	Dr. Himadi Nath Saha	Implementation Of Personal Area Network for Secure Routing in MANET by using Low Cost Hardware	Turkish Journal Of Electrical Engineering & Computer Sciences	Vol 25, Number 1	pp.235-246	International
4	Mrs. Senjuti Khanra	Small and Large Signal Analysis using Circuit Model of InGaAs/InP based Uni-Travel Carrier Photodiode	Optical & Quantum Electronics, Springer	DOI: 10.1007/s11082-017-1205-2		International
5	Mr. Mainak Saha	Step multiple quantum well enabled performance enhancement in InGaN/GaN based light-emitting diodes	Microsyst Technol	DOI: <a href="https://doi.org/10.1007/s00542-017-3567-6">https://doi.org/10.1007/s00542-017-3567-6</a>		International
6	Mr. Mainak Saha	Improved performance of InGaN/GaN MQW LEDs with trapezoidal wells and gradually thinned barrier	Optics Communications	DOI: <a href="https://doi.org/10.1016/j.optcom.2017.04.079">https://doi.org/10.1016/j.optcom.2017.04.079</a>		International

Faculty – Journal (2017)						
Sl. No.	Name of Faculty	Title of the Paper	Name of Journal/ Conference	Volume where it has been published	Page Numbers	National/ International
		layers towards anode				
7	Pratik De Sarkar	Thin Film Dichalcogenide MoSe <sub>2</sub> Solar Cell with Optimized Design Parameters	IOSR Journal of Electronics and Communication Engineering (IOSR-JECE)	<i>Volume 12</i>		International

Faculty – Conference (2018)						
Sl No	Name of Faculty	Title of the Paper	Name of Journal/ Conference	Volume where it has been published	Page Numbers	National/ International
1	Dr. Himadi Nath Saha	Optimizing Routine Collection Efficiency in IoT based Garbage Collection Monitoring Systems	IEEE 8th Annual Computing and Communication Workshop and Conference (CCWC), 2018	10.1109/CWC.2018.8301629	pp.84-90	International
2	Dr. Himadi Nath Saha	A Machine Learning Based Approach for Hand Gesture Recognition using Distinctive Feature Extraction.	IEEE 8th Annual Computing and Communication Workshop and Conference (CCWC), 2018	10.1109/CWC.2018.8301631	pp.91-98	International
3	Dr. Himadi Nath Saha	Accident and Alcohol Detection in Bluetooth	IEEE 8th Annual Computing and	10.1109/CWC.2018.8301639	pp.584-590	International



Faculty – Conference (2018)						
Sl No	Name of Faculty	Title of the Paper	Name of Journal/ Conference	Volume where it has been published	Page Numbers	National/ International
		enabled Smart Helmets for Motorbikes	Communication Workshop and Conference (CCWC), 2018			
4	Dr. Himadi Nath Saha	Space Effective and Encrypted QR Code with Sender Authorized Security Levels	IEEE 8th Annual Computing and Communication Workshop and Conference (CCWC), 2018	10.1109/CWC.2018.8301640	pp.439-443	International
5	Dr. Himadi Nath Saha	A Low Cost Remote Controlled Underwater Rover Using Raspberry Pi	IEEE 8th Annual Computing and Communication Workshop and Conference (CCWC), 2018	10.1109/CWC.2018.8301657	pp.769-772	International
6	Dr. Himadi Nath Saha	Advanced IOT Based Combined Remote Health Monitoring, Home Automation and Alarm System	IEEE 8th Annual Computing and Communication Workshop and Conference (CCWC), 2018	10.1109/CWC.2018.8301659	pp.602-606	International
7	Dr. Himadi Nath Saha	A Raspberry Pi Controlled Cloud Based Air and Sound Pollution Monitoring	IEEE 8th Annual Computing and Communication Workshop	10.1109/CWC.2018.8301660	pp.607-611	International

Faculty – Conference (2018)						
Sl No	Name of Faculty	Title of the Paper	Name of Journal/ Conference	Volume where it has been published	Page Numbers	National/ International
		System with Temperature and Humidity Sensing	and Conference (CCWC), 2018			
8	Dr. Himadi Nath Saha	IOT-Based Drone for Improvement of Crop Quality in Agricultural Field	IEEE 8th Annual Computing and Communication Workshop and Conference (CCWC), 2018	10.1109/CWC.2018.8301662	pp.612-615	International
9	Dr. Himadi Nath Saha	Low Power Shorted Gate Fin-FET Based High Performance Amplifier	IEEE 8th Annual Computing and Communication Workshop and Conference (CCWC), 2018	10.1109/CWC.2018.8301778	pp.415-420	International
10	Dr. Himadi Nath Saha	Performance Optimization in Flip Flop Circuit Design	IEEE 8th Annual Computing and Communication Workshop and Conference (CCWC), 2018	10.1109/CWC.2018.8301779	pp.421-423	International
11	Dr. Himadi Nath Saha	A cloud based autonomous multipurpose system with self-communicating bots and swarm of	IEEE 8th Annual Computing and Communication Workshop and Conference	10.1109/CWC.2018.8301781	pp.649-653	International

Faculty – Conference (2018)						
Sl No	Name of Faculty	Title of the Paper	Name of Journal/ Conference	Volume where it has been published	Page Numbers	National/ International
		drones	(CCWC), 2018			
12	Dr. Himadi Nath Saha	A low cost fully autonomous GPS (Global Positioning System) based Quad copter for disaster management	IEEE 8th Annual Computing and Communication Workshop and Conference (CCWC), 2018	10.1109/CWC.2018.8301782	pp.654-660	International
13	Dr. Himadi Nath Saha	An Integrated Solution for Monitoring Domestic Appliances Using iot Facilitating Energy Conservation	IEEE 9th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), 2018	10.1109/IEEMCON.2018.8615101	pp.1290-1294	International
14	Dr. Himadi Nath Saha	Real Time Monitoring System for Vital Pediatric Biometric Data	IEEE 9th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), 2018	10.1109/IEEMCON.2018.8615036	pp.1065-1069.	International
15	Dr. Himadi Nath Saha	A mixed reality platform based on Linux X - Windowing system	IEEE 9th Annual Information Technology, Electronics and Mobile Communication	10.1109/IEEMCON.2018.8614809	pp.1354-1358	International

Faculty – Conference (2018)						
Sl No	Name of Faculty	Title of the Paper	Name of Journal/ Conference	Volume where it has been published	Page Numbers	National/ International
			Conference (IEMCON), 2018			
16	Dr. Himadi Nath Saha	Robotic arm using voice and Gesture recognition	IEEE 9th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), 2018	10.1109/IE MCON.20 18.861505 5	pp.1060-1064	International
17	Dr. Himadi Nath Saha	Smart Irrigation System Using Arduino and GSM Module	IEEE 9th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), 2018	10.1109/IE MCON.20 18.861483 9	pp.532-538	International
18	Dr. Himadi Nath Saha	Health Care using Internet of Things	IEEE 9th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), 2018	10.1109/IE MCON.20 18.861497 7	pp.1337-1345	International
19	Dr. Himadi Nath Saha	Iot Based Garbage Monitoring and Clearance Alert System	IEEE 9th Annual Information Technology, Electronics and Mobile	10.1109/IE MCON.20 18.861484 0	pp.204-208	International

Faculty – Conference (2018)						
Sl No	Name of Faculty	Title of the Paper	Name of Journal/ Conference	Volume where it has been published	Page Numbers	National/ International
			Communication Conference (IEMCON), 2018			
20	Dr. Himadi Nath Saha	Using Browser Cookies for Event Monitoring and User Verification of an Account	IEEE 9th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), 2018	10.1109/IE MCON.2018.8615105	pp.455-460	International
21	Dr. Himadi Nath Saha	Smart Mirror - a Secured Application of Artificial Intelligence Recognizing Human Face and Voice	IEEE 9th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), 2018	10.1109/IE MCON.2018.8615072	pp.1279-1289	International
22	Dr. Himadi Nath Saha	Acceptability Based Clustering Routing Protocol in MANET	IEEE 9th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), 2018	10.1109/IE MCON.2018.8614916	pp.1172-1180	International
23	Dr. Himadi Nath Saha	An Internet of Things (IoT) Based System to Analyze	IEEE 9th Annual Information Technology,	10.1109/IE MCON.2018.8614743	pp.1070-1075	International

Faculty – Conference (2018)						
Sl No	Name of Faculty	Title of the Paper	Name of Journal/ Conference	Volume where it has been published	Page Numbers	National/ International
		Real-time Collapsing Probability of Structures,	Electronics and Mobile Communication Conference (IEMCON), 2018			
24	Dr. Himadi Nath Saha	A Verifiable Multi-Secret Sharing Scheme with Elliptic Curve Cryptography	IEEE 9th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), 2018	10.1109/IEEMCON.2018.8614998	pp.1374-1379	International
25	Prof.Dr.Swati Chowdhuri	Implementation of a novel Minimum Energy Consume Secure Routing Protocol for reliable and energy efficient rescue operation of FANET	IEEE Applied Signal Processing Conference (ASPCON 2018)		pp. 128-132	International
26	Pooja Joshi	Low Power Shorted Gate Fin-FET Based High Performance Amplifier	IEEE 8th Annual Computing and Communication Workshop and Conference (CCWC), 2018		pp.415-420	International

Faculty – Conference (2018)						
Sl No	Name of Faculty	Title of the Paper	Name of Journal/ Conference	Volume where it has been published	Page Numbers	National/ International
27	Pooja Joshi	Performance Optimization in Flip Flop Circuit Design	IEEE 8th Annual Computing and Communication Workshop and Conference (CCWC), 2018		pp.421-423	International

Faculty – Conference (2017)						
Sl No	Name of Faculty	Title of the Paper	Name of Journal/ Conference	Volume where it has been published	Page Numbers	National/ International
1	Dr. Himadi Nath Saha	Pollution control using Internet of Things (IoT)	IEEE Conference Publications IEMECON, 2017	DOI: 10.1109/IEMEC ON.2017.8079563		International
3	Dr. Himadi Nath Saha	Internet of Things (IoT) on bio-technology, IEEE Conference Publications	IEEE Conference Publications IEMECON, 2017	10.1109/IEMEC ON.2017.8079624		International
4	Dr. Himadi Nath Saha	IoT solutions for smart cities	IEEE Conference Publications IEMECON, 2017	DOI: 10.1109/IEMEC ON.2017.8079565		International
5	Dr. Himadi Nath Saha	Internet of Things based garbage monitoring system	IEEE Conference Publications IEMECON, 2017	DOI: 10.1109/IEMEC ON.2017.8079575		International
6	Dr. Himadi Nath Saha	Waste management using Internet	IEEE Conference Publications	DOI: 10.1109/IEMEC ON.2017.8		International

Faculty – Conference (2017)						
Sl No	Name of Faculty	Title of the Paper	Name of Journal/ Conference	Volume where it has been published	Page Numbers	National/ International
		of Things (IoT)	IEMECON, 2017	079623		
7	Dr. Himadi Nath Saha	Health monitoring using Internet of Things (IoT)	IEEE Conference Publications IEMECON, 2017	DOI: 10.1109/IEMEC ON.2017.8079564		International
8	Dr. Himadi Nath Saha	Disaster management using Internet of Things	IEEE Conference Publications IEMECON, 2017	DOI: 10.1109/IEMEC ON.2017.8079566		International
9	Dr. Himadi Nath Saha	A load balanced routing protocol for mobile sensor network	IEEE Conference Publications IEMECON, 2017	DOI: 10.1109/IEMEC ON.2017.8079576		International
10	Dr. Himadi Nath Saha	Movie recommendation system using particle swarm optimization	IEEE Conference Publications IEMECON, 2017	DOI: 10.1109/IEMEC ON.2017.8079574		International
11	Dr. Himadi Nath Saha	Recent Trends in the Internet of Things	IEEE 7th Annual Computing and Communication Workshop and Conference (CCWC), 2017	DOI: 10.1109/CCWC.2017.7868439		International
12	Dr. Himadi Nath Saha	Low cost Ultrasonic Smart Glasses for Blind	IEEE Conference Publications IEMCON	DOI: 10.1109/IEMCO N.2017.8117194		International
13	Dr. Himadi Nath Saha	Multi-Operational Home Automation	IEEE Conference Publications IEMCON	DOI: 10.1109/IEMCO N.2017.8117232		International



Faculty – Conference (2017)						
Sl No	Name of Faculty	Title of the Paper	Name of Journal/ Conference	Volume where it has been published	Page Numbers	National/ International
		System using IOT				
14	Mr. Mainak Saha	Improved Performance of InGaN/GaN Based Light-Emitting Diodes With Step Multiple Quantum Well Structures	4 <sup>th</sup> International Conference on ‘Microelectronics, Circuits and Systems’, Micro2017	ISBN: 978-93-80813-45-5	112-16	International
15	Mr. Mainak Saha	Enhanced Performance of GaN/InGaN Multiple Quantum Well LEDs by Shallow First Well and Stepped Electron Blocking Layer	International Conference on Communication, Devices and Computing (ICCDC)	Accepted		International
16	Suman Sarkar	A comparative study of different multilevel inverters	2017 1st International Conference on Electronics, Materials Engineering and Nano-Technology (IEMENTech)	ISBN: 978-1-5090-0996-1	Pages: 1-6	International
17	Arpita Kundu	Implementation of standard functions using universal gate in QCA	2017 1st International Conference on Electronics, Materials	10.1109/IEMENTECH.2017.8076966	pp.1-6	International

Faculty – Conference (2017)						
Sl No	Name of Faculty	Title of the Paper	Name of Journal/ Conference	Volume where it has been published	Page Numbers	National/ International
		designer	Engineering and Nano-Technology (IEMENTech)			
18	Maitrayee Saha	Monitoring patient's health with smart ambulance system using Internet of Things (IOTs)	IEMCON 2017	10.1109/IEMECON.2017.8079568	pp. 91-95	International

## Students

Conference						
Name of Student	Year	Title of the Paper	Name of Journal/ Conference	Volume where it has been published	Page Number	National/ International
Subhamoy Das	2017	Comparative experimental study on “useful life” of standard and commercially available AC and DC white PCLED bulbs under tropical condition	Industrial Automation and Electromechanical Engineering Conference (IEMECON), 2017 8th Annual	10.1109/IEMECON.2017.8079593	pp. 217-223	International
Pratyasha Das, Syed Wakash Ahmed, Aishwarya Poddar	2017	Economic load dispatch by optimal scheduling of generating units using improved real coded genetic algorithm	Industrial Automation and Electromechanical Engineering Conference (IEMECON), 2017 8th	10.1109/IEMECON.2017.8079611	pp. 305-308	International

Conference						
Name of Student	Year	Title of the Paper	Name of Journal/Conference	Volume where it has been published	Page Number	National/International
			Annual			
Priyanta Basak	2017	Progress in submicron device technology	Industrial Automation and Electromechanical Engineering Conference (IEMECON), 2017 8th Annual	10.1109/IEM ECON.2017.8079614	pp. 318-320.	International
Akash Bhagat, Ankit Kumar	2017	Suppression and controlling of higher order modes in microstrip antenna with composite resonator	Industrial Automation and Electromechanical Engineering Conference (IEMECON), 2017 8th Annual	10.1109/IEM ECON.2017.8079597	pp. 239-241	International
Mohit Dokania, Mudassir Neyaz	2017	A load balanced routing protocol for mobile sensor network	Industrial Automation and Electromechanical Engineering Conference (IEMECON), 2017 8th Annual	10.1109/IEM ECON.2017.8079576	pp. 131-136.	International
Saurabh Tibrewal, Ranjan Kumar Kush, Nitish Singh	2017	Progress in submicron device technology	Industrial Automation and Electromechanical Engineering Conference (IEMECON), 2017 8th Annual	10.1109/IEM ECON.2017.8079591	pp. 212-213.	International
Ashish	2017	PSO based	Industrial	10.1109/IEM	pp. 309-	International

Conference						
Name of Student	Year	Title of the Paper	Name of Journal/Conference	Volume where it has been published	Page Number	National/International
Kumar Mahato, Amazing Grace, Amit Kumar Singh, Pritam Banik, Ankit Kumar		stability analysis of a computational intelligent algorithm using SOS	Automation and Electromechanical Engineering Conference (IEMECON), 2017 8th Annual	ECON.2017.8079612	313	
Amit Kumar Singh	2017	Hot carrier solar cell (HCSC): A new generation nano-structured solar cell	Industrial Automation and Electromechanical Engineering Conference (IEMECON), 2017 8th Annual	10.1109/IEM ECON.2017.8079608	pp. 297-299	International
Yogesh Prakash, Manish Kumar	2017	Implementation of a decoder based on low-density parity-check code for 8 bit logical ALU	Industrial Automation and Electromechanical Engineering Conference (IEMECON), 2017 8th Annual	10.1109/IEM ECON.2017.8079598	pp. 242-246	International
Abhirup Sengupta, Rajib Chatterjee	2017	Design of air quality meter and pollution detector	Industrial Automation and Electromechanical Engineering Conference (IEMECON), 2017 8th Annual	10.1109/IEM ECON.2017.8079626	pp. 381-384	International
Abhirup	2017	Development	Industrial	10.1109/IEM	pp. 247-	International



# INSTITUTE OF ENGINEERING & MANAGEMENT

Department of Electrical & Electronics Engineering

Conference						
Name of Student	Year	Title of the Paper	Name of Journal/Conference	Volume where it has been published	Page Number	National/International
Sengupta		of equipment for in direct measurement and monitoring of blood pressure with audio visual devices	Automation and Electromechanical Engineering Conference (IEMECON), 2017 8th Annual	ECON.2017.8079599	252	
Suyash Agrawal Subham Sha	2017	Remote prescription and I-Home healthcare based on IoT	Industrial Automation and Electromechanical Engineering Conference (IEMECON), 2017 8th Annual	10.1109/IGEHT.2017.8094069	pp. 1-3	International

# DEPARTMENT OF BCA & M.Sc.

### Department Statistics:

**Faculty Strength: 12**

**Student Strength: 373**

**Year of Establishment: BCA (2006), M.Sc (2007)**

### Objectives

To provide excellent educational facilities, optimal atmosphere and maintain high academic standards. To develop the holistic personality of the students. To contribute to the industrial development and economic growth of the country by preparing a cadre of technicians well-equipped to look after administrative and R&D work in various Information Technology related sectors. To organize extracurricular activities and motivate students to participate actively in order to bring out latent in them.



## GOALS AND PLANS FOR NEXT YEAR

The underlying goal of the BCA department is to enable students to understand how computing concepts and their applications are changing the world, and how they can apply those concepts and applications to their specializations.

The following goals are what the department wants to reach by the end of each academic term:

- To equip students with theoretical and practical knowledge in computing and mathematics
- To become a global centre of excellence in computing education
- To build a faculty team with industry-specific knowledge and academic exposure for nurturing competent professionals
- To help graduates become leaders in computing technology across multidisciplinary verticals
- To engage with industry, institutes, and government departments and collaborate in academics, R&D, and consultancy
- To implement real-world projects through industry-relevant programming and internships
- To develop product development facilities
- To encourage graduates to become entrepreneurs in their specialization using analytical, mathematical, and computing skills gained through the department

## **MILESTONE EVENTS**

### **Starting of Departmental Journal**

<b>Sl No.</b>	<b>Name of Journal</b>	<b>Indexing</b>	<b>Publisher</b>	<b>Year</b>	<b>Editors</b>
1	<i>International Journal of Information System Modeling and Design (IJISMD)</i>	SCOPUS,ESCI	IGI GLOBAL	2018	Dr. Kamakhya Prasad Ghatak( IEM) Dr. Satyajit Chakrabarti (IEM)
2	<i>International Journal of Web-Based Learning and Teaching Technologies (IJWLTT)</i>	SCOPUS	IGI GLOBAL	2018	Dr. Paramartha Dutta, Prof. <u>Abhishek Bhattacharya</u> (BCA Dept,IEM) Prof. <u>Soumi Dutta</u> (BCA Dept,IEM)

## **RESEARCH, PUBLICATIONS AND CONSULTANCY**

### **Statistics of Publications**

<b>Category</b>	<b>Number of research paper published</b>
Conference	16
Book	3
Journal	5

## **AWARDS & RECOGNITION ACHIEVED BY TEACHERS**

Prof. Abhishek Bhattacharya:

- Technical Committee Member of 2nd International Conference on Information Technology and Applied Mathematics (ICITAM 2019)
- Technical Committee Member of 1<sup>st</sup> International Conference on Computational Intelligence in Pattern Recognition (CIPR-2019)



- Technical Committee Member of Second International Conference on Advanced Computational and Communication Paradigms (ICACCP-2019)
- Technical Committee Member of 06th International Conference On Computing For Sustainable Global Development ( INDIACom - 2019 )
- Technical Committee Member of INTERNATIONAL CONFERENCE ON INNOVATIVE COMPUTING AND COMMUNICATION (ICICC-2019)
- Technical Committee Member of 1<sup>st</sup> International Conference on Data Science & Machine Learning Applications (DSMLA- 2019)
- Technical Committee Member of International Conference on Pervasive Computing Advances and Applications (PerCAA-2019 )
- He became member of International Society Member (IOSRD) (Membership No. 1725)
- Prof Abhishek Bhattacharya and Prof. Soumi Dutta published 3 books

## AWARDS & RECOGNITION ACHIEVED BY STUDENTS

### International Internship

Name of Student	Department	Batch	Internship Details
Simanta Sarkar	BCA	2019	BackOffice Associates(BOA), Singapore
Ms. Rhea Bonnerji	BCA	2019	BackOffice Associates(BOA), Singapore



### Sports

On 3rd February, 2019, in annual sports meet of IEM and UEM (SAI Sports Complex),

Ms. Priya Prasad of BCA 6th semester (2019 pass out Batch) won :

1. Silver Medal in Long Jump
2. Silver Medal in Relay Race
3. Gold Medal in Tug of War

Ms. Muskan Bharti of BCA 6th semester (2019 pass out Batch) won :

1. Gold Medal in Tug of War

Ms. Gennia Soor of BCA 6th semester (2019 pass out Batch) won :

1. Gold Medal in Tug of War



## Hackathon

Two teams of BCA students of IEM, went to attend Semicolon Hackathon 2.0 31st August, 2018 at Bengaluru organized by SAP Labs. Both the teams have performed extremely well. Top 9 teams were selected for final and out team Team TECH STORMS was one of them.



### Team POLLUTION MANAGEMENT

1. Hemakshi Dave
2. Palash Das
3. Abhishek Bhattacharya



### Team TECH STORMS

1. Ketan Gupta
2. Pulkit Chowdhary
3. Bhuwan Agarwal

### Awards received by students of dept by IEM

Shri Birendra Kumar Chakraborty Gold Medal for best BCA student: Abhishek Mishra

#### Department Topper:

1. Eshanee Nandi
2. Sanjukta Sarkar
3. Bhuwan Agarwal

#### Students Performance

##### Award:

- 1.Rechik Pal
- 2.Debaditya Mondal
- 3.Krishnasis Mandal
- 4.Banani Saha
- 5.Rhea Bonnerji
- 6.Simanta Sarkar
- 7.Sakshi Kalbalia
- 8.Spandan Kumar Das
9. GENNIA SOOR
- 10.Surabhi Samaddar
- 11.Diganta Das
- 12.Priyanka Bhol
- 13.Rohit Pal



#### LIST of AWARDEE of M.Sc(CS) Department

1. Samyajit Mukherjee
2. Dipsa Ganguly

We honor our toppers and achievers. We take pride in our students of BCA Department. This year, our student ESHANEE NANDY of BCA 5th semester bagged a stunning 9.30 SGPA in 4th Semester 2018. Sanjukta Sarkar of BCA 3rd semester bagged a stunning 9.43 SGPA in 2nd Semester 2018. Bhuwan Agarwal of BCA 3rd semester bagged a stunning 9.43 SGPA in 2nd Semester 2018.



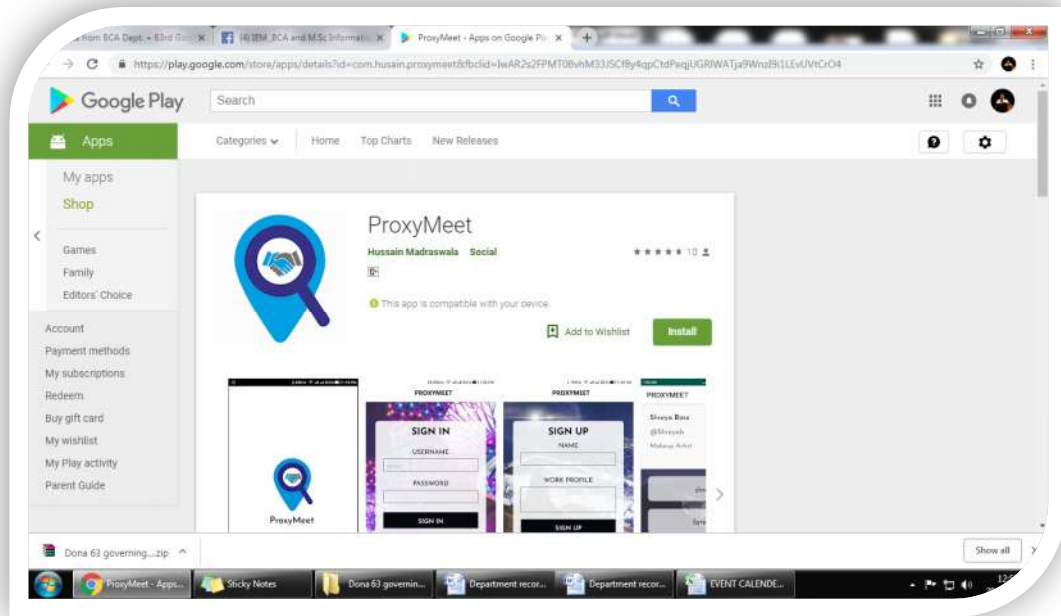
### MAKAUT Medal winners:

1. Ms. Bidisha\_Paul and Ms. Sukanya Saha of M.Sc (Information science) Department have become MAKAUT Silver and Bronze Medal winners in MAKAUT Medal winners List 2018
2. Mr. Rohan Dutta of BCA Dept has become the Gold Medalist in MAKAUT Medal Winners List in 2018.



## ENTREPRENEURSHIP

Done By: 4th semester student of BCA Dept Mr. Hussain Madraswala



### Key Highlights:

Don't we meet so many people around us? But do we know what they are or what they do? We obviously don't!

1. We provide you an easy solution to know all the people around you... Just log into the app and see the information of all the people around you within a radius of 500m. Aren't we in dire need of professionals sometimes? Especially those who live near us?
2. Just with a tap, we can find them here. Work mode easy.
3. It is one app that features all instead of installing so many of them. A feature that saves our battery life as well as time.
4. This app works in real time. It does actually help you search the locality and people who are present within the vicinity or under your proximity.

And so it's known as "ProxyMeet".



## NATIONAL & INTERNATIONAL COLLABORATIONS AND ACTIVITIES & MOUS

Faculty name	Collaborations	Type
Prof. Abhishek Bhattacharya	Dr. Nhu Nguyen, Associate Professor, Duy Tan University, Vietnam	Joint Publication

## FDPS/DISTINGUISHED LECTURES ORGANIZED

Sl No	Event	Date	Audience	Speakers
1	One day FDP on Blockchain	21.01.2019	Faculties of BCA and M.Sc(CS) Dept	Dr. Mani Madhukar, PhD in CSE & Exec program in Management McIntire School Univ of Virginia, Tech Evangelist on Cloud, AI/ML Blockchain IoT, Program Manager - University Relations IBM India Pvt. Ltd.,

Event	Date	Audience	Speakers
Distinguished Lectures	28.07.2018	BCA 1 B	Speaker :Lt Colonel Kaushik Sircar (Retd)
Distinguished Lectures	27.07.2018	BCA 1 A	Speaker :Colonel Prabir Sengupta, VSM
Distinguished Lectures	26.07.2018	BCA 1 B	Speaker :Mr. Ritwik Banerjee, Ex Indian Air Force Captain
Distinguished Lectures	22.07.2018	BCA 1 <sup>st</sup> year	Dr. Mani Madhukar, PhD in CSE & Exec program in Management McIntire School Univ of Virginia, Tech Evangelist on Cloud, AI/ML Blockchain IoT, Program Manager - University Relations IBM India Pvt. Ltd.,
Distinguished Lectures	25.09.2018	BCA 2 <sup>nd</sup> t year	Mr. Debraj Chatterjere, Director, Capgemini India



As part of Distinguished Lecture Series, Dr. Mani Madhukar, PhD in CSE & Exec program in Management McIntire School Univ of Virginia, Tech Evangelist on Cloud, AI/ML Blockchain IoT, Program Manager - University Relations IBM India Pvt. Ltd. interacted with BCA 1st year and M.Sc(CS) students regarding the scope of Blockchain in Industry.





### PLACEMENT

#### Key achievements:

1. In 2019 pass out batch, 3 students got 5 job offers each.
2. In 2019 pass out batch, 6 students got 4 job offers each.
3. In 2019 pass out batch, 23 students got 3 job offers each.
4. In 2018 pass out batch, 24 students got 2 job offers each.
5. In 2019, Wipro Infosys, CTS, Capgemini , L & T Infotech and Deloitte have selected highest no. of students from IEM in West Bengal.

Placement Statistics for the Department							
Name of the Department: BCA & M.Sc.				Odd Semester: 2018-19			
Sl No	Pass Out Batch Year	Batch Strength	Students opting out of the Placement process/ Not eligible for Placement	Number of Students Placed till 1st Feb, 2019	Total Number of offers received by Placement Seeking Students	Maximum Package	Average Package
1	2019	118	118	102	220	3L	2.4L

### TRI-MENTORING AND ALUMNI INTERACTION ACTIVITIES

Sl no	Event	Date	Audience	Speaker
1	Alumni Mentoring	18.07.2018	BCA 3 B	Sashank Mishra,Deloitte, 2017 pass out Batch
2	Alumni Mentoring	28.07.2018	BCA 1 B	Amba Mukherjee,Capgemini,2017 pass out Batch
3	Alumni Mentoring	28.07.2018	BCA 1 A	Mr. GULAM MOHAMMED AHMED , Alumni of BCA 2017 pass out batch, awardee of University Bronze Medal
4	Alumni Mentoring	10.8.2018	BCA 1 B	Ms. Shaine Moitra ,BCA alumni,2017 passout Batch, Investigator at Amazon



# INSTITUTE OF ENGINEERING & MANAGEMENT

## Department of BCA & M.Sc.

Sl no	Event	Date	Audience	Speaker
				Development Center, Bangalore
5	Alumni Mentoring	28.07.2018	BCA 1 B	Priya Chitlangi, Alumni of 2018 batch, SAP Labs
6	Industry Mentoring	11.08.2018	BCA 3 A and BCA 3 B	Mr. Debraj Chatterjere, Manager, Capgemini India
7	Industry Mentoring	25.08.2018	BCA 2 A and 2B	Mr. Anirban Biswas, Technical Delivery Manager, IBM
8	Industry Mentoring	21.08.2018	BCA 1A	Ms. Anindita Desarkar, Magager, Cognizant Tech. Solutions
9	Faculty Mentoring	04.08.2018	BCA 1ST YEAR, 2ND YEAR	ALL FACULTY MENTORS
10	Alumni Mentoring	25.07.2018	BCA 1ST YEAR	Mr. Debjit Chakraborty, pass out of BCA 2018, SAP Labs
11	Alumni Mentoring	29.09.2018	BCA 1A	Ayush paul, alumni of 2018 pass out batch, currently working in Deloitte
12	Alumni Mentoring	12.10.2018	BCA 1A and 1B	Mr. Suman Chakraborty, Alumni of 2018 pass out batch, Currently workinh in Wipro Technologies
13	Alumni Mentoring	28.01.2019	BCA 4th semester Section A and Section B	Sourav Dutta, System Associate, CTS, Alumni of 2016 pass out batch
14	Alumni Mentoring	28.01.2019	BCA 2ND semester Section A and Section B	Partalekha Mitra, Alumni of 2018 pass out batch, currently working in Deloitte
15	Alumni Mentoring	07.02.2019	BCA 2ND semester Section A and Section B	Suman Kanrar, Associate Data Analyst at Deloitte Consulting US-India Pvt. Ltd. Alumni of 2018 pass out batch
16	Alumni Mentoring	05.02.2019	BCA 2ND semester Section A and Section B, M.Sc(CS)	Rajdeep Dey, Associate Data Analyst at Deloitte Consulting US-India Pvt. Ltd. Alumni of 2018 pass out batch
17	Industry Mentoring	21.01.2019	BCA 2nd semester and M.Sc(CS) 1st semester students	Dr. Mani Madhukar, PhD in CSE & Exec program in Management McIntire School Univ of Virginia, Tech



# INSTITUTE OF ENGINEERING & MANAGEMENT

Department of BCA & M.Sc.

Sl no	Event	Date	Audience	Speaker
				Evangelist on Cloud, AI/ML Blockchain IoT, Program Manager - University Relations IBM India Pvt. Ltd.,
18	Industry Mentoring	05.02.2019	BCA 2ND semester Section A and Section B	Mr. Mohul Banerjee Manager, Cognizant Tech. Solutions
19	Faculty Mentoring	19.02.2019	BCA 2nd,4th,6th sem	All Faculties

## PUBLICATIONS

Sl No	Name of the Book	Authors	Name of Publisher	Status
1	Emerging Technologies in Data Mining and Information Security, Proceedings of IEMIS 2018, Volume 3	Abraham, A., Dutta, P., Mandal, J.K., <b>Bhattacharya,</b> <b>A., Dutta, S.</b> (Eds.)	Springer, Singapore	Published
2	Emerging Technologies in Data Mining and Information Security, Proceedings of IEMIS 2018, Volume 2	Abraham, A., Dutta, P., Mandal, J.K., <b>Bhattacharya,</b> <b>A., Dutta, S.</b> (Eds.)	Springer, Singapore	Published
3	Emerging Technologies in Data Mining and Information Security, Proceedings of IEMIS 2018, Volume 1	Abraham, A., Dutta, P., Mandal, J.K., <b>Bhattacharya,</b> <b>A., Dutta, S.</b> (Eds.)	Springer, Singapore	Published

# BASIC SCIENCE & HUMANITIES

### Department Statistics:

**Faculty Strength: 29**

**Student Strength: 703**

**Year of Establishment: 1996**

### Objectives

To assist students to develop a basic understanding in fundamental subjects like Mathematics, Physics, Chemistry, English and encourage them to apply that acquired knowledge to practical applications in a very simple way with examples and illustrations.

To continuously improve infrastructure and update curriculum through periodic feedback from stake holders

To imbibe in students the best human and professional values

To provide outcome based education to students

To inculcate in students the thirst for research and innovation.



## GOALS AND PLANS FOR NEXT YEAR

1. Establishment of International Robotics and Innovation Laboratory.
2. Organizing international conference in Physics, Chemistry and Mathematics.
3. Issuing Journals in Physics, Chemistry and Mathematics.
4. Forming student chapters in Physics, Chemistry and Mathematics.
5. Organizing distinguished lecture series: Talk by eminent personalities every week.
6. Promoting entrepreneurship start ups from 1<sup>st</sup> year onward.
7. Organizing one day seminar in Physics.
8. Organizing Mathematics and Science Olympiad.
9. Set up of Observatory.



### NEW ADDITIONS

1. **CTMSE 2018** – Conference on Current Trends in Material Science and Engineering on 19<sup>th</sup> – 20<sup>th</sup> January, 2018
2. **Publication of Conference Proceedings of Spectrum 2018**- International Students' Conference on 'Emerging Trends in Science and Technology' by Narosa Publishing House Pvt. Limited.
3. Book name: 'Emerging Trends in Science and Technology' with ISBN no. **978-81-8487-642-0**
4. Editors :Dr. Koyel Ganguly, Dr. Arun Kumar Bar and Dr. Satyajit Chakrabarti.
5. **ICELTS, 2018** - International Conference on English Learning and Teaching Skills from 26<sup>th</sup> to 28<sup>th</sup> July, 2018
6. **IJELTS - "International Journal of English Learning and Teaching Skills" ISSN 2638-5546** - an e-Journal published by the 'Society for Makers, Artists, Researchers and Technologists, (SMART)', with the vision of inspiring research, academic discussions and pedagogic innovations on English Language Studies and ELT. Renowned academicians like Dr. Anitha Devi Pillai, Dr. Sampa Chatterjee, Dr. Nira Konar, Dr. Meenakshi Raman, Sue Yadana are active part of the Editorial Board.
7. **ELT@I Kolkta Chapter: ELT@I or English Language Teachers' Association of India** is the largest network of Teachers of English in India (An Associate of IATEFL, UK). Institute of Engineering & Management (IEM), Salt Lake, Kolkata is in fact the pioneer group in West Bengal to get associated with ELT@I & open the first & foremost Chapter in Eastern India, Kolkata. The President of ELT@I Kolkata Chapter, along with over thirty lifetime/short-term memebers of ELT@I Kolkata Chapter hail from IEM.
8. **Extra curricular activity classes:** In addition to Karate, Yoga and Guitar classes new classes on Synthesizer playing, Zumba, Dance and Singing have been introduced.
9. **Continuous assessment of students in all classes**
10. **International Olympiads have been organized in English, Mathematics and Chemistry. Physics Olympiad to be organized in month of April.**
11. **IEM SPS Chapter** – IEM SPS Chapter has been formed in collaboration with Society of Physics Student Chapter, American Institute of Physics in November, 2018. About 80 members are there in this chapter including faculties and students of IEM. The faculty advisor of this chapter is Dr. Koyel Ganguly and faculty co-advisor is Prof. Arnab Basu.

12. **IEM Toast Masters Club – Club -7186162. IEM Toasmasters Club has been formed.** Dr.Satyajit Chakrabarti is the President of this club. Other teachers with different designations of this club are Prof.Riya Barui(Vice President- Education), Prof. Mayurakshi Dev(Vice President – Public Relations), Prof. Mousumi Paul (Vice President – Membership and Prof. Samapika Das Biswas(Treasurer).
13. **Research Institute Visit** – On 1<sup>st</sup> March, 2019 about 48 1<sup>st</sup> year B.Tech students under the guidance of Dr. Koyel Ganguly, Dr.Arun Kumar Bar and Dr. Tina De were taken for a visit to the Variable Energy Cyclotron Centre, Kolkata.
14. **New additions in Infrastructure of the Department:**
- 3<sup>rd</sup> and 4<sup>th</sup> floor class rooms renovated.
  - All Class room doors modified. Glass fitted in doors.
  - More number of air conditioners installed in CII auditorium.
  - Computer laboratory renovated and air conditioners installed.
  - Language laboratory renovated.
  - Mega canteen at 9<sup>th</sup> floor.
  - Automated wash basins in washrooms

## MILESTONE EVENTS

### ICELTS 2018 -International Conference on English Learning and Teaching Skills

Organized by Institute of Engineering and Management, Kolkata in collaboration with Indian Statistical Institute, British Council, Kolkata, and ELT@I. The conference brought together participating countries from all over the world: featuring over 130 research papers, keynote addresses from distinguished International and National Speakers, and interactive Workshops.

**Date : 26th of July to 28th of July, 2018.**

**Venue : Management House, Kolkata**

**Chair: Dr. Arun Kumar Bar**

**Convener: Prof. Samapika Das Biswas, Dept. of Basic Science & Humanities, IEM.**



Dr. G. A. Ghanashyam inaugurated the ELT@I Kolkata Chapter with Convener Prof.

Samapika Das Biswas and her team of English faculty members comprising of Prof. Mousumi Paul, Prof. MayurakshiDev, Prof. RittikaChoudhuri, Prof. Riya Barui, and Prof. SohiniDatta. The Kolkata Chapter is the 34th ELT@I chapter in India, the largest English Teachers' Association of India. The ELT@I chapter inauguration was a move towards emboldening the relationship between Kolkata, IEM, and ELT@I.



## Inauguration and Orientation Programme for 1<sup>st</sup> year B.Tech students

An inauguration cum orientation programme was organized by Department of Basic Science and Humanities to welcome the new batch of IEM students of year 2018-2022.

**Date: 1st August, 2018**

**Venue: Seminar Hall on 7th floor of IEM Management House.**

There was a special session for the parents of the students. The session was addressed by Prof. Dr. SatyajitChakrabarti, President, IEM Group. The students were addressed and motivated by President, Director and Principal of IEM. There was a special lecture by eminent professor Dr. K.P.Ghatak.





## Induction Program of B.Tech 1<sup>st</sup> year students of year 2018

Following the AICTE Guidelines, Institute of Engineering & Management conducted a mandatory three-week induction program for the entering batch of 2018-2019. The induction program was prepared and structured in accordance to bridge the gap of technical and theoretical knowledge of the students coming from diverse schooling experience, and stepping onto the academics of Undergraduate B. Tech life. The induction program at Institute of Engineering & Management (IEM) followed an interactive yet coherent lecture method by eminent academicians, corporate and faculty lectures from various departments including Mathematics, English, Physics, Chemistry, CSE, Mechanical, Electrical, Electronics, IT, ECE, and Sports.

**Date:02.08.2018**

**Venue: IEM, Management House, 7<sup>th</sup> Floor Auditorium**

**Coordinators: Prof. Arun Kumar Bar, Prof. Koyel Ganguly, Prof. Sanghamita Poddar, Prof. Prabir Kumar Das**



The following sessions were conducted in the Induction Program:

- Institute President and Director's address
- Introduction to different engineering departments by respective Head of Departments
- Introduction to various National/International Student Chapters of the Institute
- Special Lectures by Academicians and Industry Dignitaries
- Tri Mentoring Sessions by Faculties, Alumni and Industry people.
- Bridge course classes in Mathematics, Physics, Chemistry and English.
- Online tests conducted on the above subjects.
- Yoga session
- Talent display by students: Cultural Program, Painting and Photography Exhibition, Creative Writing

### Teacher's Day Celebration

1<sup>st</sup> year B.Tech Students organized a cultural program and cake cutting ceremony to celebrate the Teachers' day.



### Wall bulletin Competition

Excellent Wall Bulletin created by IEM B.Tech. 1<sup>st</sup> year students on the occasion of Wall Bulletin Exhibition & Competition on 'Save Earth & Save Life' organized by Department of Basic Science and Humanities.

**Date - 12th October, 2018**

**Venue - Management House, IEM**



### Python Workshop conducted (450+ students participated)

Python Workshop" organized by Department of Basic Science & Humanities in association with INNOVACION on 2nd & 3rd September, 2018.



### Engineers Day Celebration

"Engineers Day" celebration on 15th September, organized by IEM ( Department of Basic Science & Humanities) in association with Vivekananda Vignan Mission at IEM Management House. The Speakers are :

1. Prof. Asis Mazumdar, Professor, Jadavpur University, Director, School of Water Resource Engineering.
2. Prof. Bhabatosh Chanda, Professor, Electronics and Communication, ISI, Kolkata
3. Dr. Jishnu Basu , Senior Scientist , Saha Institute of Nuclear Physics .





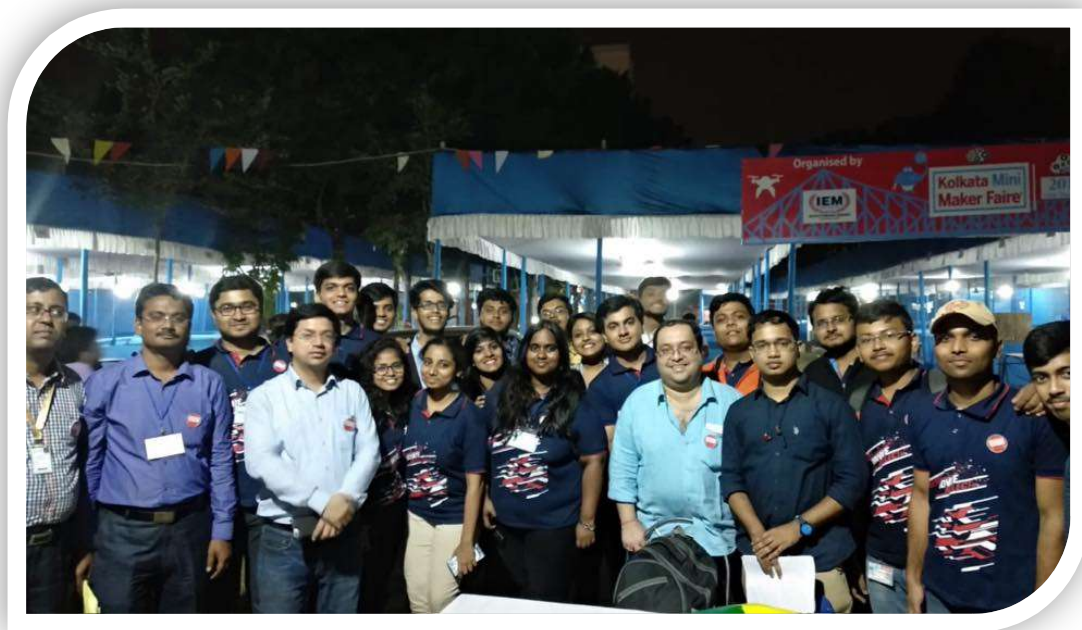
# INSTITUTE OF ENGINEERING & MANAGEMENT

Department of Basic Science & Humanities

## Kolkata Mini Maker Faire

It is the first Maker Faire in Eastern India organized by Institute of Engineering & Management, Salt Lake.

**Coordinator:**Prabir Das & Avijit Bose





# INSTITUTE OF ENGINEERING & MANAGEMENT

Department of Basic Science & Humanities

## Innovacion 2019

Innovación, the annual-techno-management fest of Institute of Engineering & Management, has firmly established itself as one of the marquee tech festivals in Eastern India over the last few years.

Date: 23rd – 25<sup>th</sup>, January, 2019

Venue: Management House, IEM

Coordinator: Prof. Prabir Kumar Das and Prof. Avijit Bose.





# INSTITUTE OF ENGINEERING & MANAGEMENT

Department of Basic Science & Humanities

## Mathematics Olympiad: IEMATICS 2019

IEMATICS is an online International Mathematics Olympiad organised in this year for the first time with pomp and splendour by the Society for Makers, Artists, Researchers and Technologists, (SMART), USA which is jointly sponsored by Institute of Engineering & Management (IEM) and University of Engineering & Management (UEM) in association with Ramanujan School of Mathematics (RSM) and Codechef. This Olympiad aims at developing technological and mathematical skills among tech-learners and other students of 10+2 and above. This competition is organised to put more emphasis on mathematical skills and its application rather than mere theory.

**Date of event 4-6th November, 2018**

**No of Participants:213**

The poster for IEMATICS 2019 features logos for IEM, SMARTu, UEM, and CODECHEF at the top. Below the logos, it states: 'SOCIETY FOR MAKERS, ARTISTS, RESEARCHERS AND TECHNOLOGISTS (SMART), USA ORGANIZES Online International Maths Olympiad (IMO)'. The word 'iematics' is written in a stylized blue font. It is 'JOINTLY SPONSORED BY IEM & UEM IN ASSOCIATION WITH RAMANUJAN SCHOOL OF MATHEMATICS (RSM)'. The registration information is: 'Visit and Register at: <http://IEMATICS.thesmartsociety.org>'. A lightbulb icon contains the text 'Let MATH inspire you'. The event dates are 'From 4th Nov 2018 (09:00 AM IST) to 6th Nov 2018 (09:00 AM IST)'. At the bottom, it says 'Prizes worth US \$750 up for grabs'.

## Chemistry Olympiad: IOPACS 2019

IOPACS is an online International Olympiad for Pure and Applied Chemical Sciences organised for the first time by the Chemistry wing of BSH Department of Institute of Engineering & Management, Kolkata in collaboration with the Society of Makers, Artists, Researchers and Technologists, (SMART), USA. University of Engineering & Management (UEM) along with the SMART society has been our joint sponsors using the online examination platform of CodeChef. This Olympiad aims at evaluating the subject knowledge,

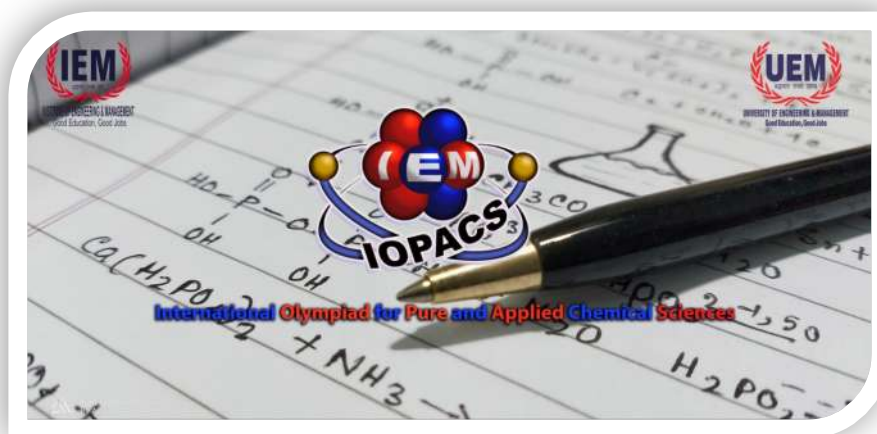


# INSTITUTE OF ENGINEERING & MANAGEMENT

## Department of Basic Science & Humanities

instant application in allied field, developing technological skill-set and competitive attitude for the overall growth of science among tech-learners. Not only that, this competition is organised to put more emphasis on inter-discipline science and to inculcate the scientific mind set in the early orientation of the career.

Date of event: 12<sup>th</sup> -14<sup>th</sup> January, 2019



## English Olympiad: IOIEO 2019

ITEMIO organized for the first time by the Chemistry wing of BSH Department of Institute of Engineering & Management, Kolkata in collaboration with the Society of Makers, Artists, Researchers and Technologists, (SMART), USA. University of Engineering & Management (UEM) along with the SMART society has been our joint sponsors using the online examination platform of CodeChef.

Date of event : 12<sup>th</sup> -14<sup>th</sup> January, 2019





# INSTITUTE OF ENGINEERING & MANAGEMENT

Department of Basic Science & Humanities

## Electroslides 2019

Institute of Engineering & Management, Kolkata is going to organize an International Paper Presentation Competition ELECTROSLIDES - 2019 in collaboration with The Institution of Engineers, India (IEI) under the aegis of IEM Annual Technical Fest Innovacion 2019.

**Event Date:** 23<sup>rd</sup> to 24<sup>th</sup> January 2019



## Workshop on Hands on Approach to Web Development

The Department of Basic Science and Humanities of Institute of Engineering & Management, Kolkata is organised a 2-Day workshop on Introduction to Web development under Spectrum 2019 (Coordinators- Dr. Koyel Ganguly, Prof. Arnab Basu, Prof. Soumyadipta Pal)

**Date:** 2<sup>nd</sup> February and (4<sup>th</sup> -7<sup>th</sup>) February 2019

**Mentor:**

Prof Ayan Kumar Panja, IEM Kolkata  
Prof. Dibyasree Guha, IEM, Kolkata



## IEMVOICES 2019 :5 Days Language Fest

The Department of Basic Science and Humanities of Institute of Engineering & Management, Kolkata is organising a Five Day Language Fest in celebration of the variety and diversity of languages available to a cosmopolitan populace, and to honour the International Mother Language Day on 21st February. This Language Fest is attempting to cherish the various ways



in which different languages have evolved, ways languages may be appreciated, and the multifaceted uses of languages.

Through different events and performances, this Language Fest will try to put forward the conventional and unconventional methods of language use and sustenance. These events will bring out the flavours and the many ways in which languages can be appreciated at various levels.

### List of Events:

- **02. 2019** Day 1: “Make Your Statement” (Debate Competition)/ “INK-ling” (Creative Writing Competition).
- **19. 02. 2019** Day 2: “Speak your Heart Out” (Extempore Event)/ “Researchers’ Fair” (Paper Presentation Competition).
- **20. 02. 2019** Day 3: “VideoScribe” (Video making competition)/ “Utter-Chatter” (Spell Bee competition).
- **21. 02. 2019** Day 4: “As You Like It” (Skit Competition).
- **22. 02. 2019** Day 5: Inter-language Celebration

**Timing:** 18-22 February, from 4 pm onwards.





## RESEARCH, PUBLICATIONS AND CONSULTANCY

<b>Total Number of Research Projects Applied:</b>	3
<b>Total Number of Research Projects Granted:</b>	1
<b>Total Number of Research Projects Completed:</b>	
<b>Total Number of Consultancies:</b>	
<b>List of Pending Patents</b>	

<b>Total number of Conference Publication</b>	135
<b>Total number of Journal Publication</b>	40
<b>Total number of Books (Published/inpress/proposal submitted)</b>	9

Type	Title	Name of Principal Investigator	Sponsoring Agency Name	Date of Application/Granted/Completed	Period	Status
Project	Development of a multicomponent gas-particle Navier-Stokes solver for needle free drug delivery	Dr. Abhishek Kundu	West Bengal State DHESTBT	13/09/2018	3 years	Submitted
Project	Advanced Computational studies of magnetic flux closure structures	Dr. Saswati Barman	West Bengal State DHESTBT	13/09/18	3 years	Submitted
SERB Project core research grant Subject category: Physical Sciences Funding agency: DST	Computational studies of structure and interface modified magnetic materials for nanomagnetic devices.	Dr. Saswati Barman	DST SERB	26/2/2019	3years	Approved



### Statistics of Publications

Category	Number of research paper published
Conference	135
Book	9
Journal	40

### AWARDS & RECOGNITION ACHIEVED BY THE FACULTY

Name of faculty: **Prof. Tina De**, Assistant Professor in Chemistry, Department of Basic Science and Humanities, IEM, Kolkata

**Best poster award** received for the poster presentation on Synthesis, Characterization and Sorptive Removal of Heavy metals on Nano-Structured Agglomerates of Iron (III)-Cerium (IV) Bimetal Mixed Oxide (NICMO): Search For An Efficient, Low Cost Decontamination Technique at Biospectrum 2018 at UEM, Kolkata from 27<sup>th</sup>-28<sup>th</sup> July, 2018.

Name of faculty: **Prof. Saswati Barman**, Research Professor, Department of Basic Science and Humanities, IEM, Kolkata

Co-author of a paper titled : Comparison of Collective Spin Dynamics between Ni<sub>80</sub>Fe<sub>20</sub> Nanodot Arrays Arranged in Honeycomb and Octagonal Lattice Symmetries, Sucheta Mondal, **Saswati Barman**, Samiran Choudhury, and Anjan Barman presented at the International Conference on Nanoscience and Technology (ICONSAT 2018), IISc Bangalore, Mar. 21-23, 2018 and the paper **won the Nanoscale Horizons Poster Prize delivered by Royal Society of Chemistry, UK.**

Coauthor of a paper titled: Development of magnetic vortex transistor and logic circuit, Saswati Barman, Sucheta Mondal, and Anjan Barman presented at 6th International Symposium on Integrated Functionalities (ISIF 2017), Dec. 10-13, New Delhi, India **and the paper was awarded the Best Poster Award.**

**Outstanding presentation award** for her poster entitled ‘Magnetic flux closure structure based logic gate and switches’ at the ‘International conference on Complex and functional materials’ (ICCFM 2018), held in 13-14 December, 2018 at Biswa Bangla Convention Centre, Newtown, Kolkata.

## AWARDS & RECOGNITION ACHIEVED BY THE STUDENTS

Sl No	Name of Student	Name of Event	Year of Event	Achievement Details
1	Md. Ehteshamulha	INNOVACION	2018	2nd (Electrocuted)
2	Ankana Bhattacharya	IEMPACT	2018	1st (Movie Making competition)
3	Sonali Kumari	ADRENALINE (THE SPORT FEST)	2018	3rd (Basketball)
4	SHAKYA SEN	URECKON	2018	2nd (FIFA: gaming competition)
5	Samarpan Deb Majumdar	ICRAETS-PUNE	2018	Paper Presentation
6	Samarpan Deb Majumdar	ICRAETS-PUNE	2018	Paper Presentation
7	SOUVIK PRADHAN	IEMPACT	2018	2nd (Photography Competition)
8	MEGHNA BHARDWAJ	IEMPACT	2018	1st (Debate Competition)
9	Prateeti Mukherjee	INNOVACION	2018	2nd (Innovare)
10	Ratul Das	IEMPACT	2018	1st (Short Film Making Competition-Group)
11	Dattatreya Roy	IEMPACT	2018	1st (Short Film Making Competition-Group)
12	Abhishek Roy	IEMPACT	2018	3rd (Step Up: Dance Competition)
13	Bhaswar Banerjee	IEMPACT	2018	3rd (Contemporary Music Competition)
14	Siddharth Kumar Rai	ADRENALINE (THE SPORT FEST)	2018	1st (Tug Of War)
15	Sandeep Rai	INNOVACION	2018	2nd (Electrocuted)
16	Shivam Shubham	IEMPACT	2018	1st (Treasure Hunt)
17	Subarna Mitra	IEMPACT	2018	1st (Treasure Hunt)
18	Sushmita Bisawas	IEMPACT	2018	1st (T-shirt Painting)
19	Nilay Bhardwaj	CAMPUS COMMANDER PROGRAM	2018	Internship
20	Nilay Bhardwaj	INNOVA DTU	2018	Internship
21	Nilay Bhardwaj	COGNIZANCE	2018	Internship
22	Prateeti Mukherjee	SPECTRUM-International Students' Conference on Emerging Trends in Science & Technology	2018	3rd (Paper Presentation)
23	Prateeti Mukherjee	SPECTRUM-International	2018	1st (Scientific Model Competition)



# INSTITUTE OF ENGINEERING & MANAGEMENT

Department of Basic Science & Humanities

Sl No	Name of Student	Name of Event	Year of Event	Achievement Details
		Students' Conference on Emerging Trends in Science & Technology		
24	Nilay Bhardwaj	OYO ROOMS	2018	Internship
25	Neha Ray	LITERARIA	2017	1st (CONCEAL-ON-OUS)

## ENTREPRENEURSHIP

**36 start ups have been applied by Department of Basic Science & Humanities.**

## NATIONAL & INTERNATIONAL COLLABORATIONS AND ACTIVITIES & MOUS

Faculty name	Collaborations
Dr.Koyel Ganguly (Faculty Advisor)	International collaboration with American Institute of Physics – Society of Physics Student (SPS) Chapter.
Prof.Arnab Basu (Faculty co-Advisor)	International collaboration with American Institute of Physics – Society of Physics Student Chapter.
Prof. Samapika Das Biswas (President)	National collaboration with English Language Teachers' Association of India - ELT@I Kolkata Chapter
Prof. Mousumi Paul (Vice President)	National collaboration with English Language Teachers' Association of India - ELT@I Kolkata Chapter
Prof. Riya Barui (Vice President)	National collaboration with English Language Teachers' Association of India - ELT@I Kolkata Chapter
Prof. Mayurakshi Dev (Secretary)	National collaboration with English Language Teachers' Association of India - ELT@I Kolkata Chapter
Prof.Riya Barui (Vice President- Education)	IEM Toast Masters Club Club - 7186162
Prof. Mayurakshi Dev (Vice President – Public Relations)	IEM Toast Masters Club Club - 7186162
Prof. Mousumi Paul (Vice President – Membership)	IEM Toast Masters Club Club - 7186162
Prof. Samapika Das Biswas (Treasurer)	IEM Toast Masters Club Club - 7186162

## FDPS/ DISTINGUISHED LECTURES ORGANISED

Sl No	Date	Venue	Topic	Speakers
1.	28 <sup>th</sup> July, 2018	CII Auditorium	Intercultural Communication	Sampa Chatterjee, ELT Specialist, Teacher Trainer, Ex Director of Institute of English Calcutta



### Workshop on Intercultural Communication

## Distinguished Lecture Series Organized

Sl No	Topic and Name of Speaker with affiliation	Date
1	Design Thinking by Prof. Ambarish Chatterjee and Prof. Manoj Pain	14 <sup>th</sup> October, 2018
2	How to generate funds for New start ups by Mr. B. Hari, founder of Ontrack Systems Limited	3 <sup>rd</sup> November, 2018
3	Session on Lifestyle Management by Ms. Nilanjana Mukherjee, CWC member, ISHRAE Kolkata	2 <sup>nd</sup> August, 2018
4	Industry talk- Mr. Santanu Goswami, Director, SAP, Management Division	2 <sup>nd</sup> August, 2018
5	Session on Straintronics by Dr. Supriyo Bandopadhyay, Virginia Commonwealth University	7 <sup>th</sup> August, 2018
6	Roles played by engineers in the field of socio-economic development of the country- Mr.Nadeem Kazim,CHRO, Tractors India Limited.	10 <sup>th</sup> August, 2018

7	Astronomy and Astrophysics -Mr. Debiprasad Duari, Director, Birla Planetarium	16 <sup>th</sup> August, 2018
8	Motivational talk to 1 <sup>st</sup> year B.Tech. students, Dr. Saikat Maitra, Honorable Vice Chancellor of MAKAUT	7 <sup>th</sup> September, 2018
9	Seminar on "Relevance of Chemistry in Engineering" at IEM Management House . Speakers : 1. Prof. Arnab Halder , Presidency University, kolkata 2. Mr. Swarup Dutta , Sr. Scientist, Chembiotech	8 <sup>th</sup> September, 2018
10	Prof.Narayan Banerjee IISER Kolkata Dept: Physical Sciences	29th September,2018
11	Prof. Debatosh Guha University of Calcutta	29th September,2018
12	Prof. Mahadevan S.N.Bose Centre for National Sciences	29th September,2018
13	Mr. Sabyasachi Mukhopadhyay Community Lead at Facebook Developer Circle, Community Lead at REDX Comm, Top 50 Innovator	18th January,2019
14	Dept. of Basic Science & Humanities Mr. Subhabrata Bhattacharjee Regional Manager, Wadhvani Foundation, National Entrepreneurship Network	28th January,2019
15	Ms. Manisha Biswas Senior Member Intel, Google Developers Group	31st January,2019



**Prof. Ambarish Chatterjee, Design Thinking**



**Mr. B. Hari, founder of Ontrack Systems Limited,  
How to generate funds for New start ups**



**Global Entrepreneurship Scenario by Mr. Tarun\_Mullick, the Founder and Managing  
Director of Club International Private Limited**





**Steps to form new start ups by Mr. Deepak Khaitan**



**Talk on Astronomy and Astrophysics - Mr. Debiprasad Duari, Director, Birla Planetarium**



**Session on Straintronics -Dr. Supriyo Bandapadhyay, Virginia Commonwealth University**



**Industry talk- Mr. Santanu Goswami, Director, SAP, Management Division**



**Session on Lifestyle Management by Ms. Nilanjana Mukherjee, CWC member,  
ISHRAE Kolkata**



**Roles played by engineers in the field of socio-economic development of the country-  
Mr. Nadeem Kazim, CHRO, Tractors India Limited**



# INSTITUTE OF ENGINEERING & MANAGEMENT

Department of Basic Science & Humanities



**Motivational talk to 1<sup>st</sup> year B.Tech Students -Dr. Saikat Maitra, Honorable Vice Chancellor of MAKAUT**



**Seminar on Relevance of Chemistry in Engineering - Prof. Arnab Halder, Presidency University, Kolkata**



**Relevance of Chemistry in Engineering- Mr. Swarup Dutta , Sr. Scientist, Chembiotech**



**Prof. Narayan Banerjee, IISER Kolkata**



**Prof. Debatosh Guha, University of Calcutta**



**Prof. Mahadevan, S.N.Bose Centre for National Sciences**

## Details of Foreign Lecture Series

Sl No	Date	Foreign Professor Name	University & Country	Topic
1	7 <sup>th</sup> August, 2018	Dr. Supriyo Bandopadhyay	Virginia Commonwealth University, United States	Straintronics
2	27 <sup>th</sup> July, 2018	Amy Lightfoot	British Council South Asia, United Kingdom	"Academic Strategy and New World Assessment Techniques"
3	28 <sup>th</sup> July, 2018	Anitha Devi Pillai	National Institute of Education, Singapore	The Importance of Revision in the English Language Writing Classroom
4	29 <sup>th</sup> July, 2018	Robert P Schumaker	University of Texas, USA	Teaching and Classrooms in India vs USA
5	29 <sup>th</sup> July, 2018	Edward Gorst	University of Newcastle, UK	Teaching English as Second Language in rural India

## TRI-MENTORING AND ALUMNI INTERACTION ACTIVITIES

Details of Trimentoring - Industry Interaction (Time Period : July'2018- Present)				
Sl no	Date	Taken By		Attended By
		Name of the Person	Organisation	
1	02.08.2018	Mr. Santanu Goswami, Director	SAP, Management Division	1st year B.Tech students
2	10.08.2018	Mr.Nadeem Kazim	CHRO, Tractors India Limited.	1st year B.Tech students
3	23.01.2019	Mr. Nilanjan Sengupta	Director (Technical), The Institution of Engineers, India	1st year B.Tech students
4	23.01.2019	Mr. Nisith Kr. Das	Secretary, Bigyan Bharati	1st year B.Tech students
5	23.01.2019	Mr. Kalyan Kar	Co-Founder & Managing director of Inthink	1st year B.Tech students

<b>Details of Trimentoring - Industry Interaction (Time Period : July'2018- Present)</b>				
<b>Sl no</b>	<b>Date</b>	<b>Taken By</b>		<b>Attended By</b>
		<b>Name of the Person</b>	<b>Organisation</b>	
			Knowledge Venture pvt. Ltd.	
6	23.01.2019	Mr. Anubhav Singh	Founder - The Code Foundation	1st year B.Tech students
7	23.01.2019	Mr. Ayush Thakur	Co-Founder, The Code Foundation	1st year B.Tech students
8	23.01.2019	Mr. Ankit Mishra	Marketing Head, The Code Foundation	1st year B.Tech students
9	23.01.2019	Mr. Debmallya Marik	Managing Director, Buzzmentr	1st year B.Tech students
10	23.01.2019	Mr. Adhiraj Goswami	Chief Consultant, Buzzmentr	1st year B.Tech students
11	23.01.2019	Mr. Sambit Dutta	Investor, Buzzmentr Network	1st year B.Tech students
12	24.01.2019	Mr. A.S Chowdhury	DGM Lloyd & Refrigeration Chair, ISHRAE Kolkata	1st year B.Tech students
13	24.01.2019	Mr. Kamal Dutta	Senior Executive of Lloyd Insulation	1st year B.Tech students
14	24.01.2019	Mr. Sujoy Dutt	Membership Chair, ISHRAE Kolkata & Voltas	1st year B.Tech students
15	24.01.2019	Mr. Arunava Chandra	Principal Consultant, Tata Consultancy Services	1st year B.Tech students
16	24.01.2019	Mr. Joydeep Chakraborty	Senior Consultant, Tata	1st year B.Tech students



<b>Details of Trimentoring - Industry Interaction (Time Period : July'2018- Present)</b>				
<b>Sl no</b>	<b>Date</b>	<b>Taken By</b>		<b>Attended By</b>
		<b>Name of the Person</b>	<b>Organisation</b>	
			Consultancy Services	
17	24.01.2019	Mr. Suman Ghosh	Senior Consultant, Tata Consultancy Services	1st year B.Tech students
18	24.01.2019	Ms. Arpana Das	Senior Consultant, Tata Consultancy Services	1st year B.Tech students
19	24.01.2019	Mr. Arup Dutta	General Manager, Primetal	1st year B.Tech students
20	24.01.2019	Mr. Mrityunjay Pandey	Manager, Cognizant	1st year B.Tech students
21	24.01.2019	Mr. Kinsuk Bandyopadhyay	Vice President - Engineering, Primetals Technologies India Private Limited.	1st year B.Tech students
22	24.01.2019	Mr. Bibhas Pal	Assistant Vice President - Engineering & Commissioning, Primetals Technologies India Private Limited.	1st year B.Tech students
23	24.01.2019	Mr. Indranil Sarker	Principal Consultant, Tata Consultancy Services Limited	1st year B.Tech students
24	25.01.2019	Mr. Avelo Roy	Managing Director, Kolkata Ventures	1st year B.Tech students

<b>Details of Trimentoring - Industry Interaction</b> (Time Period : July'2018- Present)				
Sl no	Date	Taken By		Attended By
		Name of the Person	Organisation	
25	25.01.2019	Mr. Amitabh Mukherjee	Convenor, Photography Division, Calcutta Journalists Club	1st year B.Tech students
26	25.01.2019	Mr. Arihant Kothari	Deputy Manager, NASSCOM	1st year B.Tech students
27	25.01.2019	Mr. Sanjay Ray	General Manager - R&D, WPIL Ltd.	1st year B.Tech students
28	25.01.2019	Mr. Subrata Samanta	Senior General Manager- Exports, WPIL Ltd	1st year B.Tech students
29	13.02.2019	Mr. Bikram Ghosh	Senior Executive of IOCL	Students

<b>Details of Trimentoring - Alumni Mentoring</b> (Time Period : July'2018-Present)				
Sl No	Alumni Mentoring Session		Date	Attended By
	Name of the Alumni	Batch		
1	Nishit Nagpal	2013	03.08.2018	1st year B.Tech Students
2	Rituparna Basak	2014	10.08.2018	1st year B.Tech Students
3	Shubrojit Saha	2013	10.08.2018	1st year B.Tech Students
4	Sourav Chakraborty	2011	11.08.2018	1st year B.Tech Students
5	Parthajit Dholey	2011	18.08.2018	1st year B.Tech Students
6	Srestha Roy Chowdhury		13.02.2019	Students

## PUBLICATIONS

### Faculty

<b>Book Publication</b>			
Name of the Book	Authors	Name of Publisher	Status
Dynamic analysis of Two-link Robot Manipulator for Control Design(Book	Amartya Mukherjee, Gourab Nandy, Basukinath Chatterjee	Springer Nature Singapore Pte Ltd Print ISBN:978-981-10-	Published

<b>Book Publication</b>			
<b>Name of the Book</b>	<b>Authors</b>	<b>Name of Publisher</b>	<b>Status</b>
Chapter: Lecture Notes in Electrical Engineering)		7900-9, Online ISBN: 978-981-10-7901-6	
Flying Ad hoc Networks: A Comprehensive Survey(Book Chapter: Advances in Intelligent Systems and Computing Book Series)	A.Mukherjee, V. Keshary, K.Pandya, N.Dey	Springer, Print ISBN : 978-981-10-7562-9	Published
Emerging Trends in Science and Technology	Editors Dr.Koyel Ganguly, Dr. Arun Kumar Bar, Dr.Satyajit Chakrabarti	Narosa Publishing House Print ISBN:978-81-8487-642-0	Published
Embedded Systems and Robotics with Opensource tools-Special Indian Edition	Amartya Mukherjee , N Dey	CRC Press/ T&F Group Print ISBN: 978-138-61568-7	Published
Smart Computing with Opensource Platform	Amartya Mukherjee, N Dey	CRC Press/ T&F Group	Published
Towards New Horizons in Indian English Literature(Book Chapter:Investigating the poetics of Kamala Das as the construction of Alternate Femininity)	Mayurakshi Dev	Publisher: YKING BOOKS ISBN-10: 9385528076 ISBN-13: 978-9385528071	Published
Book Chapter:Advanced Processing Techniques and Secure Architecture for Sensor Networks in Ubiquitous Healthcare Systems in Embedded Sensors in U-Healthcare	Amartya Mukherjee	Publisher : Elsevier Academic Press	Accepted for Publication
Gate Mathematics and General Aptitude	Dr.Saktipada Nanda	A MindProBooks	Published
A Beginners approach to data agglomeration & intelligent sensing	Ayan Kumar Panja, Amartya Mukherjee	Elsevier Academic Press	Proposal Submitted

Journal Publication					
Sl No	Topic of Publication	Authors	Journal Name	Volume	Year of Publication
1	An analysis of phonon emission as controlled by the combined interaction with the acoustic and piezoelectric phonons in a degenerate III–V compound semiconductor using an approximated Fermi–Dirac distribution at low lattice temperatures	A.Basu, T.R.Midya, D.P.Bhattacharya	Philosophical Magazine	98	2018
2	Field-effect mobility of a two dimensional electron gas in an n–channel of Si-SiO <sub>2</sub> MOS structure with due consideration of some practical features	A.Basu, T.R.Midya, D.P.Bhattacharya	Journal of Applied Physics	122	2018
3	A study of the average energy loss to the acoustic modes and the non-ohmic mobility characteristics of a degenerate semiconductor using an alternative model of heated Fermi –Dirac distribution	A.Basu, T.R.Midya, D.P.Bhattacharya	Physica Scripta		2018
4	Investigation of correlation effects on the electronic structure of 3d1 perovskites	S. Kumari, A. K. Sahu, S. Paul, and S. Raj	Journal of Physics and Chemistry of Solids	124	2018
5	Field-controlled ultrafast magnetization dynamics in two-dimensional nanoscale ferromagnetic antidot arrays	A. De, S. Mondal, S. Sahoo, S. Barman, Y. Otani, R. K. Mitra and A. Barman	Beilstein J. Nanotechnol.	9	2018
6	Influence of Anisotropic Dipolar Interaction on the Spin Dynamics of Ni <sub>80</sub> Fe <sub>20</sub> Nanodot	S. Mondal, S. Barman, S. Choudhury and A. Barman	Journal of Magnetism and Magnetic Materials	458	2018

Journal Publication					
Sl No	Topic of Publication	Authors	Journal Name	Volume	Year of Publication
	Arrays Arranged in Honeycomb and Octagonal Lattices				
7	Review on "Graphene and Graphene oxide based system for the detection of synthetic azo dyes"	K. Dutta et al.	Int J. Adv. In Eng.Tech., Management and Appl.Sc.	5	2018
8	Review on "Graphene and Graphene oxide based system for the detection of synthetic azo dyes"	A.Kargupta et al.	Int J. Adv. In Eng.Tech., Management and Appl.Sc.	5	2018
9	High resolution wide range pressure sensor using hexagonal ring and micromachined cantilever tips on 2D silicon photonic crystal	R. Ghosh, K.K. Ghosh, R.Chakraborty	Optics Communicatio ns, Elsevier		2018
10	Log transform based optimal image enhancement using firefly algorithm for autonomous mini unmanned aerial vehicle: an application of aerial photography	Sourav Samanta, Amartya Mukherjee, Amira S Ashour, Nilanjan dey, João Manuel, R. Stavars	International Journal of Image and Graphics (World Scientific Publication)	18	2018
11	Dimension Dependent Density-of-States Function and the Radiation Laws	P.K.Das, K.P.Ghatak	Journal of Nano Science and Nano Technology	18	2018
12	Influence of Intense Electric Field on the Screening Length in Opto-electronic Materials.	P.K.Das, K.P.Ghatak	Materials Focus	7	2018
13	Psychological distress among late adolescents with obesity	Das, S., Das, S., and Chattopadhyay, P., K	IAHRW International Journal of Social Sciences Review	6(5)	2018
14	Tunable Angle-Dependent	Kartik Adhikari, Saswati Barman,	Phys. Rev. Applied	10	2018

<b>Journal Publication</b>					
<b>Sl No</b>	<b>Topic of Publication</b>	<b>Authors</b>	<b>Journal Name</b>	<b>Volume</b>	<b>Year of Publication</b>
	Magnetization Dynamics in Ni <sub>80</sub> Fe <sub>20</sub> Nanocross Structures of Varying Size	Ruma Mandal, Yoshichika Otani, and Anjan Barman			
15	Active control of mode crossover and mode hopping of spin waves in a ferromagnetic antidot lattice	Samiran Choudhury, Sudip Majumder, Saswati Barman, Yoshichika Otani and Anjan Barman	Physical Review Applied	10	2018
16	English for specific purposes: Self understanding & media of communication	Tina De	International Journal of English Learning and Teaching Skills	1(2)	2018
17	Two-center of the Convex Hull of a Point Set: Dynamic Model, and Restricted Streaming Model	Soumen Nandi	Fundamenta Informaticae	Polish Mathematical Society, IOS Press	2019

<b>Conference Publications</b>				
<b>Sl No</b>	<b>Topic of Publication</b>	<b>Authors</b>	<b>Conference Name</b>	<b>Status</b>
1	Study Of Animal Languages, Interpretation And Encryption	Abhishek Roy, Arnab Basu	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
2	The use of Graphene in the FinFET architect	Abhrajit Paul, Arnab Basu	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
3	Marketing Automation through machine learning algorithm	Gaurav Barua, Dipayan	Spectrum 2018-International	Published under Book Chapter by

Conference Publications				
Sl No	Topic of Publication	Authors	Conference Name	Status
		Bhattacharya, Biswadip Basu Mallik	Conference on 'Emerging Trends in Science and Technology'	Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
4	Study Of Optical Properties Of Dielectric-Dielectric Interface	Avik Ghanta, Soumyadipta Pal	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
5	Mystery of the Universe	Ankita Roy, Aman Kumar Srivastava, Koyel Ganguly	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
6	Gravitational Collapse: An overview	Swarnendu Chattopadhyay, Subhabrata Mukherjee, Asmita Chakraborty, Rajarshi Chakraborty, Koyel Ganguly	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
7	A review on Gravitational Waves	Arkaprovo Dutta, Raima Ghosh, Shivam Shaw, Sonali Kumari, Koyel Ganguly	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
8	Cost-effective, fast-moving mass transportation system: An application of wormhole	Mainak Mondal, Uma D Sharma	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
9	Gated Communities as an Expression of Religious	Mayurakshi Dev	Indian Social Sciences and	Contemporary Studies on

Conference Publications				
Sl No	Topic of Publication	Authors	Conference Name	Status
	Exclusivity : The DawoodiBohras of Kolkata		Humanities Congress, 2018	Various Social Issues and Concerns - Published by Paschim Banga AnchalikItihas O LoksanskritiChar cha Kendra, 2018 Vol. 1 ISBN 978-93-88207-02-7 (2018)
10	Cloud Computing-Issues, Challenges, Platforms & Applications,	Devesh Kumar Rai, Dibyasree Guha	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
11	Wireless Sensor Networking	Meghma Sengupta, Satarupa Chakroborty, Debanjan Ghosh, Shounak Roy Chowdhury, Ayan Kumar Panja	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
12	Intelligent system techniques in Programming Nanotechnology	Prateeti Mukherjee, Amartya Mukherjee	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
13	Salt water Powered Boat	Shubham Kundu, Souvik Som, Kakoli Dutta	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
14	Speech Anxiety	Samapika Das Biswas	International Conference on English Learning	Proceedings of ICELTS 2018



Conference Publications				
Sl No	Topic of Publication	Authors	Conference Name	Status
			and Teaching Skills (ICELTS 2018)	
15	Ethnocentrism and Technical Communication: Study in West Bengal's Technical Education Centers	Riya Barui	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
16	English for Specific Purposes: Self understanding & media of communication	Tina De	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
17	Instrument Music & Communication	Amartya Mukherjee	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
18	Speech Anxiety	Samapika Das Biswas	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
19	Killing the English language by mobile texting, the Indian context and remedial measures	Arun Kumar Chatterjee	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
20	Significance of English Language in Corporate Communications	Rittika Chaudhuri	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
21	The English Language and its Myriad Representations: Literature and Lyrics	Mayurakshi Dev	International Conference on English Learning and Teaching	Proceedings of ICELTS 2018

Conference Publications				
Sl No	Topic of Publication	Authors	Conference Name	Status
			Skills (ICELTS 2018)	
22	Flying towards the Nest: Conscious Racism in Doris Pilkington's Follow the Rabbit Proof Fence	Mousumi Paul	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
23	Multicultural Plurality and Cultural Ethnicity in Khaled Hosseini's "The Kite Runner"	Mousumi Paul	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
24	The Relative Signed Clique Number of Planar Graphs is 8.	Soumen Nandi	CALDAM 2019	LNCS

## Student

Journal Publications						
Sl No	Topic of Publication	Authors	Journal Name	Volume	Pages	Status
1	Advancements Of English Language In The Field Of Technical Education And Current Job Scenario	Subhrajyoti Banerjee et.al.	International Journal of English Learning and Teaching Skills	1(1)	14-20(7)	Published
2	Advancements Of English Language In The Field Of Technical Education And Current Job Scenario	Abhijit Biswas et.al.	International Journal of English Learning and Teaching Skills	1(1)	14-20(7)	Published
3	Advancements Of English Language In The Field Of Technical Education And Current Job Scenario	Avishek Sen et.al.	International Journal of English Learning and Teaching Skills	1(1)	14-20(7)	Published
4	Advancements Of English Language In The Field Of	Dattatreyo Roy et.al.	International Journal of English	1(1)	14-20(7)	Published

Journal Publications						
Sl No	Topic of Publication	Authors	Journal Name	Volume	Pages	Status
	Technical Education And Current Job Scenario		Learning and Teaching Skills			
5	Language Policy For Assigning English As The Official Language and Promoting Regional Language As A Compulsory Subject In Academics To Preserve A Country's Ethnicity	Samarpan Deb Majumder et.al.	International Journal of English Learning and Teaching Skills	1(1)	76-80(5)	Published
6	Language Policy For Assigning English As The Official Language and Promoting Regional Language As A Compulsory Subject In Academics To Preserve A Country's Ethnicity	Nikunj Verma et.al.	International Journal of English Learning and Teaching Skills	1(1)	76-80(5)	Published
7	Language Policy For Assigning English As The Official Language and Promoting Regional Language As A Compulsory Subject In Academics To Preserve A Country's Ethnicity	Sahil Sonkar et.al.	International Journal of English Learning and Teaching Skills	1(1)	76-80(5)	Published
8	Language Policy For Assigning English As The Official Language and Promoting Regional Language As A Compulsory Subject In Academics To Preserve A Country's Ethnicity	Shubham Kumar et.al.	International Journal of English Learning and Teaching Skills	1(1)	76-80(5)	Published

<b>Journal Publications</b>						
<b>Sl No</b>	<b>Topic of Publication</b>	<b>Authors</b>	<b>Journal Name</b>	<b>Volume</b>	<b>Pages</b>	<b>Status</b>
9	English for specific purposes: Self understanding & media of communication	Sayantani Biswas	International Journal of English Learning and Teaching Skills	1(2)	41-45	Papers are accepted under process
10	English for specific purposes: Self understanding & media of communication	Suvrojit Kumar Saha	International Journal of English Learning and Teaching Skills	1(2)	41-45	Papers are accepted under process
11	CONTINGENCY OF HUMOR ON LINGUISTICS AND LANGUAGE	Prateeti Mukherjee	International Journal of English Learning and Teaching Skills	1(2)	27	Papers are accepted under process
12	OCULAR-ELUCIDATION	Debanjan Ghosh	International Journal of English Learning and Teaching Skills	1(2)	105-107	Papers are accepted under process
13	OCULAR-ELUCIDATION	Soham Biswas	International Journal of English Learning and Teaching Skills	1(2)	105-107	Papers are accepted under process
14	OCULAR-ELUCIDATION	Souvik Prodhan	International Journal of English Learning and Teaching Skills	1(2)	105-107	Papers are accepted under process
15	Error of MIS-Communication	Sandipan Das	International Journal of English Learning and Teaching Skills	1(2)	62-67	Papers are accepted under process
16	Error of MIS-Communication	Pritam Chatterjee	International Journal of	1(2)	62-67	Papers are accepted

<b>Journal Publications</b>						
<b>Sl No</b>	<b>Topic of Publication</b>	<b>Authors</b>	<b>Journal Name</b>	<b>Volume</b>	<b>Pages</b>	<b>Status</b>
			English Learning and Teaching Skills			under process
17	Error of MIS-Communication	Saptak Roy	International Journal of English Learning and Teaching Skills	1(2)	62-67	Papers are accepted under process
18	Error of MIS-Communication	Bipranil Tapader	International Journal of English Learning and Teaching Skills	1(2)	62-67	Papers are accepted under process
19	Music Therapy	Bhaswar Banerjee	International Journal of English Learning and Teaching Skills	1(2)	99-101	Papers are accepted under process
20	Music Therapy	Sayan Barat	International Journal of English Learning and Teaching Skills	1(2)	99-101	Papers are accepted under process
21	Communication Through Drama	Abhishek Lahiri	International Journal of English Learning and Teaching Skills	1(2)	21-27	Papers are accepted under process
22	Communication Through Drama	Sayantan Mitra	International Journal of English Learning and Teaching Skills	1(2)	21-27	Papers are accepted under process

Conference Publications				
Sl No	Topic of Publication	Authors	Conference Name	Status
1	Study Of Animal Languages, Interpretation And Encryption	<b>Abhishek Roy,</b> Arnab Basu	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
2	The use of Graphene in the FinFET architect	<b>Abhrajit Paul,</b> Arnab Basu	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
3	Marketing Automation through machine learning algorithm	<b>Gaurav Barua et al</b>	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
4	Marketing Automation through machine learning algorithm	<b>Dipayan Bhattacharya et al</b>	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
5	Study Of Optical Properties Of Dielectric-Dielectric Interface	<b>Avik Ghanta,</b> Soumyadipta Pal	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
6	Mystery of the Universe	<b>Ankita Roy et al</b>	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
7	Mystery of the Universe	<b>Aman Kumar Srivastava et al</b>	Spectrum 2018-International	Published under Book Chapter by

Conference Publications				
Sl No	Topic of Publication	Authors	Conference Name	Status
			Conference on 'Emerging Trends in Science and Technology'	Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
8	Gravitational Collapse: An overview	<b>Swarnendu Chattopadhyay et al</b>	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
9	Gravitational Collapse: An overview	<b>Subhabrata Mukherjee et al</b>	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
10	Gravitational Collapse: An overview	<b>Asmita Chakraborty et al</b>	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
11	Gravitational Collapse: An overview	<b>Rajarshi Chakraborty et al</b>	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
12	A review on Gravitational Waves	<b>Arkaprovo Dutta et al</b>	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
13	A review on Gravitational Waves	<b>Raima Ghosh et al</b>	Spectrum 2018-International Conference on 'Emerging	Published under Book Chapter by Narosa Publishing

Conference Publications				
Sl No	Topic of Publication	Authors	Conference Name	Status
			Trends in Science and Technology'	House, ISBN no.: 978-81-8487-642-0 (2018)
14	A review on Gravitational Waves	<b>Shivam Shaw et al</b>	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
15	A review on Gravitational Waves	<b>Sonali Kumari et al</b>	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
16	Cost-effective, fast-moving mass transportation system: An application of wormhole	<b>Mainak Mondal, Uma D Sharma</b>	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
17	Cloud Computing-Issues, Challenges , Platforms & Applications,	<b>Devesh Kumar Rai, Dibyasree Guha</b>	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
18	Wireless Sensor Networking	<b>Meghma Sengupta et al</b>	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
19	Wireless Sensor Networking	<b>Satarupa Chakroborty et al</b>	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.:



Conference Publications				
Sl No	Topic of Publication	Authors	Conference Name	Status
				978-81-8487-642-0 (2018)
20	Wireless Sensor Networking	<b>Shounak Roy Chowdhury et al</b>	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
21	Wireless Sensor Networking	<b>Debanjan Ghosh et al</b>	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
22	Intelligent system techniques in Programming Nanotechnology	<b>Prateeti Mukherjee, Amartya Mukherjee</b>	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
23	Salt water Powered Boat	<b>Shubham Kundu et al</b>	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
24	Salt water Powered Boat	<b>Souvik Som et al</b>	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
25	6T Finfet based voltage controlled oscillator	<b>Meghma Mullick et al</b>	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)

Conference Publications				
Sl No	Topic of Publication	Authors	Conference Name	Status
26	6T Finfet based voltage controlled oscillator	<b>Ayantika Dutta et al</b>	Spectrum 2018-International Conference on 'Emerging Trends in Science and Technology'	Published under Book Chapter by Narosa Publishing House, ISBN no.: 978-81-8487-642-0 (2018)
27	Advancements of English Language in the Field of Technical Education	Dattatreya Roy	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
28	Advancements of English Language in the Field of Technical Education	Avishek Sen	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
29	Advancements of English Language in the Field of Technical Education	Abhijit Biswas	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
30	Advancements of English Language in the Field of Technical Education	Subhrajyoti Banerjee	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
31	Ethnocentrism and Technical Communication: Study in West Bengal's Technical Education Centers	Sandipan Das	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
32	Ethnocentrism and Technical Communication: Study in West Bengal's Technical Education Centers	Debanjan Bardhan	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018

Conference Publications				
Sl No	Topic of Publication	Authors	Conference Name	Status
33	Ethnocentrism and Technical Communication: Study in West Bengal's Technical Education Centers	Debaditya Bhattacharyya	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
34	Ethnocentrism and Technical Communication: Study in West Bengal's Technical Education Centers	Raktim Rakshit	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
35	Language policy for assigning English as the official language and promoting regional language as a compulsory subject in academics to preserve a country's ethnicity	Samarpan Deb Majumder	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
36	Language policy for assigning English as the official language and promoting regional language as a compulsory subject in academics to preserve a country's ethnicity	Sahil Sonkar	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
37	Language policy for assigning English as the official language and promoting regional language as a compulsory subject in academics to preserve a country's ethnicity	Shubham Kumar	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
38	Language policy for assigning English as the official language and promoting regional language as a compulsory subject in academics to preserve a country's ethnicity	Nikunj Verma	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
39	Outcome based Closed Loop Teaching Learning process: A Case Study	Ramesh Kumar Karthick	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018

Conference Publications				
Sl No	Topic of Publication	Authors	Conference Name	Status
40	Outcome based Closed Loop Teaching Learning process: A Case Study	Pooja Baheti	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
41	Outcome based Closed Loop Teaching Learning process: A Case Study	Sagnik Dutta	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
42	Computer Assisted Language Teaching (CALT)	Amitesh Sahoo	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
43	Computer Assisted Language Teaching (CALT)	Suvraneel Chatterjee	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
44	Computer Assisted Language Teaching (CALT)	Sovik Sinha Chowdhury	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
45	English for Specific Purposes: Self understanding & media of communication	Suvrojit Saha	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
46	English for Specific Purposes: Self understanding & media of communication	Sayantani Biswas	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
47	Art as a way of Communication	Neha Ray	International Conference on	Proceedings of ICELTS 2018

Conference Publications				
Sl No	Topic of Publication	Authors	Conference Name	Status
			English Learning and Teaching Skills (ICELTS 2018)	
48	Art as a way of Communication	Aditya Dasgupta	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
49	Art as a way of Communication	Meghma Mullick	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
50	Art as a way of Communication	Shilpa Bose	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
51	Communication through Drama	Abhishek Lahiri	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
52	Communication through Drama	Sayantana Mitra	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
53	Dance : An Eighth Wonder	Anushka Gupta	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
54	Dance : An Eighth Wonder	Torsa- Talukdar	International Conference on English Learning and Teaching	Proceedings of ICELTS 2018

Conference Publications				
Sl No	Topic of Publication	Authors	Conference Name	Status
			Skills (ICELTS 2018)	
55	Instrument Music & Communication	Ananya Chakraborty	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
56	Instrument Music & Communication	Sreyashi biswas	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
57	Instrument Music & Communication	Hrithik Lall	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
58	Music Therapy: An Art Beyond Words	Sayan Barat	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
59	Music Therapy: An Art Beyond Words	Bhaswar Banerjee	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
60	Photography And Communication: A Study of Interrelationship	Aruni Maji	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
61	Photography And Communication: A Study of Interrelationship	Debopriyo Paloi	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018

<b>Conference Publications</b>				
<b>Sl No</b>	<b>Topic of Publication</b>	<b>Authors</b>	<b>Conference Name</b>	<b>Status</b>
62	Photography And Communication: A Study of Interrelationship	Niloy Chakravorty	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
63	Photography And Communication: A Study of Interrelationship	Debashis Sir	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
64	Ocular Elucidation: Communication through Photography	Debanjan Ghosh	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
65	Ocular Elucidation: Communication through Photography	Soham Biswas	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
66	Ocular Elucidation: Communication through Photography	Souvik Pradhan	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
67	Ocular Elucidation: Communication through Photography	Ibrahim Islam	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
68	Dance (Bharatnatyam): The Art of Non-verbal Communication	Aishika Chakraborty	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018

Conference Publications				
Sl No	Topic of Publication	Authors	Conference Name	Status
69	Dance (Bharatnatyam): The Art of Non-verbal Communication	Ankita Bose	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
70	Dance (Bharatnatyam): The Art of Non-verbal Communication	Arpita Dey	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
71	Dance (Bharatnatyam): The Art of Non-verbal Communication	Syed Wasif Moin	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
72	Significance of Language in Peace Education	Saptorshi Mondal	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
73	Significance of Language in Peace Education	Ankana Saha	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
74	Significance of Language in Peace Education	Snita Das	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
75	Significance of Language in Peace Education	Shweta Roy	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
76	Speech Anxiety	Hrithik Lall	International Conference on	Proceedings of ICELTS 2018



Conference Publications				
Sl No	Topic of Publication	Authors	Conference Name	Status
			English Learning and Teaching Skills (ICELTS 2018)	
77	Speech Anxiety	Bipranil Tapader	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
78	The Advantages of Distance Education for Working Professionals: An Indian Perspective	Moumita Saha	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
79	The Advantages of Distance Education for Working Professionals: An Indian Perspective	Kavita Choudhary	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
80	The Advantages of Distance Education for Working Professionals: An Indian Perspective	Madhurima Chakraborty	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
81	Significance of English Language in Corporate Communications	Sovik Sinha Chowdhury,	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
82	Significance of English Language in Corporate Communications	Niloy Chakravorty,	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
83	Unfolding the "Third Space of Enunciation": Writing, Teaching and Learning the	Syed Wasif Moin	International Conference on English Learning and Teaching	Proceedings of ICELTS 2018

<b>Conference Publications</b>				
<b>Sl No</b>	<b>Topic of Publication</b>	<b>Authors</b>	<b>Conference Name</b>	<b>Status</b>
	English Language in the Postcolonial Er		Skills (ICELTS 2018)	
84	Unfolding the "Third Space of Enunciation": Writing, Teaching and Learning the English Language in the Postcolonial Er	Tiyash Patra	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
85	Unfolding the "Third Space of Enunciation": Writing, Teaching and Learning the English Language in the Postcolonial Er	Sannoy Mitra	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
86	Unfolding the "Third Space of Enunciation": Writing, Teaching and Learning the English Language in the Postcolonial Er	Arkaprovo dutta	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
87	Killing the English language by mobile texting , the Indian context and remedial measures	Souparno Chattopadhyay	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
88	Killing the English language by mobile texting , the Indian context and remedial measures	Ayantika Dutta	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
89	Killing the English language by mobile texting , the Indian context and remedial measures	Soumik Kumar Nandi	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
90	Killing the English language by mobile texting , the Indian context and remedial measures	Mainak mondal	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018

<b>Conference Publications</b>				
<b>Sl No</b>	<b>Topic of Publication</b>	<b>Authors</b>	<b>Conference Name</b>	<b>Status</b>
91	The English Language and its Myriad Representations: Literature and Lyrics	Anushka Banerjee	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
92	The English Language and its Myriad Representations: Literature and Lyrics	Aishika mukherjee	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
93	The English Language and its Myriad Representations: Literature and Lyrics	Sayantana Chanda	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
94	The English Language and its Myriad Representations: Literature and Lyrics	Shivam Subham	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
95	Multicultural Plurality and Cultural Ethnicity in Khaled Hosseini's "The Kite Runner"	David Mazumdar	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
96	Multicultural Plurality and Cultural Ethnicity in Khaled Hosseini's "The Kite Runner"	Parth Pratim Das	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
97	Multicultural Plurality and Cultural Ethnicity in Khaled Hosseini's "The Kite Runner"	Real Das	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018

Conference Publications				
Sl No	Topic of Publication	Authors	Conference Name	Status
98	Multicultural Plurality and Cultural Ethnicity in Khaled Hosseini's "The Kite Runner"	Aditya Das Turja	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
99	Flying towards the Nest: Conscious Racism in Doris Pilkington's Follow the Rabbit Proof Fence	Abhirup Sengupta	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
100	Flying towards the Nest: Conscious Racism in Doris Pilkington's Follow the Rabbit Proof Fence	Archisman Kar	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
101	Error of Mis-Communication	Pritam Chatterjee	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
102	Error of Mis-Communication	Saptak Roy	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
103	Error of Mis-Communication	Bipranil Tapader	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
104	Error of Mis-Communication	Sandipan Das	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
105	Error of Mis-Communication	Sanhita Ghosh	International Conference on	Proceedings of ICELTS 2018

Conference Publications				
Sl No	Topic of Publication	Authors	Conference Name	Status
			English Learning and Teaching Skills (ICELTS 2018)	
106	Dance : An eighth wonder	Anushka Gupta	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
107	Dance : An eighth wonder	Torsa Talukdar	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
108	Ocular Elucidation: Communication through Photography	Debanjan Ghosh	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
109	Ocular Elucidation: Communication through Photography	Soham Biswas	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
110	Ocular Elucidation: Communication through Photography	Souvik Pradhan	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018
111	Ocular Elucidation: Communication through Photography	Ibrahim Islam	International Conference on English Learning and Teaching Skills (ICELTS 2018)	Proceedings of ICELTS 2018

# BBA (H) DEPARTMENT

### Department Statistics:

**Faculty Strength: 11 (regular), 3 (visiting)**

**Student Strength: 348**

**Year of Establishment: 2006**

## Objectives

To prepare our BBA (H) students not only for the job but also in a way so that they become future entrepreneurs.

To encourage and prepare our students for higher studies in India and abroad.



## GOALS AND PLANS FOR NEXT YEAR

- **Enrichment of library:** to keep the stock of more reference books so as to help the advanced students to further their knowledge and to assist the faculty members to focus on their research
- **Value-added Programme (VAP):** The state-of-the-art VAP is already structured and different curricula are already set for both odd and even semesters. In connection to it, we like to invite experts to effectively implement the Programme
- **More interactions with corporate managers:** It will help the students to learn more about the happenings in the industry
- **Organizing MDP and FDP:** Emphasis will be given to organize one management Development Programmes (MDPs) and one Faculty Development Programmes (FDPs) in a year.
- **Organizing seminars:** Stress will be given on organizing seminars for the students and faculty members.



### MILESTONE EVENTS

## "Disputandum", The Annual Debate Competition of the BBA (H) Department

**Summary:** "Disputandum", the annual debate competition by the BBA (H) Department organized on 18<sup>th</sup> February, 2019 was a great success. Under the convenorship of Prof. Dibyajit Mukherjee, as many as 48 students participated in the three-tier event with great zeal and enthusiasm. The successful students will be given medallions and citations and all participants will be given certificates within a week.







### Conference Jointly Organized by BBA (H) Department 4<sup>th</sup> IEM-UEM Convention, 2019 (Innovation, Entrepreneurship, Marketplace), 07-09 February, 2019 at National University of Singapore, Singapore.

**Summary:** The 4<sup>th</sup> IEM-UEM Convention organized by Institute of Engineering & Management and University of Engineering & Management at National University of Singapore, Singapore was a success. There were five prolific speakers from the industry who shared their views on the theme IEM (Innovation, Entrepreneurship & Marketplace.). The management students were elated to hear the deliberations from the industry speakers and learnt certain concepts, which are not exactly present in their academic syllabus. The Convention was followed by a one-day certificate course on Digital Marketing, offered by Dr. Ian Fenwick, Professor of Marketing, Sasin Graduate Institute of Business Administration.



**Mr. Luca Bernardinetti**, Chairman & CEO, Mahanakorn Partners Group Co. Ltd. & Director, Thai- Italian Chamber of Commerce (TICC), Bangkok



**Mr. Nilay Patel**, Portfolio Manager, Millennium Capital Management Pte. Ltd.



**Mr. Danny Lim**, CEO, Lighthouse Global Holdings, Inc.



The team from Ashram campus with Prof. Soumik Das at the Convention

## RESEARCH, PUBLICATIONS AND CONSULTANCY

### Statistics of Publications

Category	Number of research paper published
Conference	2
Book	1
Journal	4

## AWARDS & RECOGNITION ACHIEVED BY THE FACULTY

Dr. Shamindra Nath Sanyal has been selected as the reviewer of the prestigious American Marketing Association (AMA) Summer Conference, 2019.

## AWARDS & RECOGNITION ACHIEVED BY THE STUDENTS

BBA (H) students Debasmita Sarkar has been ranked in BBA (H) merit list for 2018 pass-out published by MAKAUT. She has won the bronze medallion and a citation.





## FDPS/ DISTINGUISHED LECTURES ORGANISED Faculty Development Programme

### PROGRAMME CONVENERS:

Prof. Dibyendu Chattaraj, Assistant Professor,  
Department of Business Management  
Prof. Saikat Chakrabarti, Assistant Professor,  
Department of Business Management

### OBJECTIVE:

- Focusing Mixed Methodology as a contemporary research technique the present Faculty Development Programme (FDP) has been designed to cater the need of the researchers.
- Overcoming the rigid theoretical boundary the present FDP is focused on the hands-on training of appropriate software like SPSS , AMOS & R while analyzing Qualitative and Quantitative data



## Distinguished Lectures Organized

- **Dr. Purnendu Roy**, eminent surgeon and owner, Genesis Hospital, Kolkata offered a motivational lecture to the 1<sup>st</sup> year BBA (H) students on 31 January, 2019.



- **Dr. Siddhartha Shankar Roy, alias Sidhu**, a famous singer and quiz master offered motivational lectures and quiz session to the students on 03 August, 2018.



- **Mr. Sayan Chakrabarti, Regional Business Head (Eastern India, Nepal, Bhutan, Bangladesh and Sri Lanka), Lenovo India** offered his session on the future role of management students into corporate on 02 August, 2018.



## PLACEMENT

**Key achievements:** Out of the 59 students of 2016-19 batch, who opted for placement, 55 got placement offers in different organizations. For the first time in the history of the BBA (H), two students have already been placed in two media houses. Apart from the list below TCS and Thyrocare have already conducted the interview, but the result is yet to be declared.

Company Details for the Department						
Name of the Department: BBA (H)						
Serial Number	Pass Out Batch Year	Batch Strength	Opted for Placment	Name of The company	Number of Students Placed till 13th Dec,2018	Package
1	2018	120	39	INDIGO AIRLINES	2	2.2 L PER ANNUM
				WIPRO TECHNOLOGIES	4	2.4 L PER ANNUM
				CONCENTRIX	21	2L PER ANNUM
				ELITMUS	1	1.8 L PER ANNUM
				TCS	6	1.8 L PER ANNUM
				SARADA DESIGNERS	2	1.5 L PER ANNUM
				FUTURE GENERALI	2	2.4 L PER ANNUM
2	2019	120	59	FLAIR CREATIVES	1	2.2 L PER ANNUM
				TIMS OF BENGAL	1	2.2 L PER ANNUM
				CONCENTRIX	51	2L PER ANNUM
				DECATHLON	1	3.19 L PER ANNUM
				JARO EDUCATION	1	5.16 PER ANNUM

## **TRI-MENTORING AND ALUMNI INTERACTION ACTIVITIES**

**2019**



Amlan Turjya Bala of 2015-18 batch, currently working as a Financial Analyst with Wipro is offering his session to the 3<sup>rd</sup> year BBA (H) students on 29 January, 2019.

**2018**



Raunak Sen of 2011-14 batch, currently working as a Marketing Executive with Berger Paints is offering his session to the 3<sup>rd</sup> year BBA (H) students on 21 August, 2018.

## PUBLICATIONS

Book				
Sl No	Name of the Book	Authors	Name of Publisher	Status
1	TROIKA: Three Essays on Trotsky	Prof. Dibyajit Mukherjee	Naya Antarjatic Publishers, Kolkata	Published

Journal							
Sl No	Topic of Publication	Authors	Journal Name	Type of Journal	Volume	Issue	Status
1	Understanding the essence of fascism: A Marxist analysis	Prof. Dibyajit Mukherjee	Culture Cult	National	3	1	Published
2	Optimizing the role of organizational commitment: A qualitative study in the school education sector	Rooprekha Baksi Maiti and Dr. Shamindra Nath Sanyal	International Journal of Organisational Analysis	International	26	4	Published
3	Violence in the political construction of Trotskyism	Prof. Dibyajit Mukherjee	International Relations and Diplomacy	International	6	9	Published
4	Psychological contract and its role in the infrastructure sector: A review study	Ipsita Satpathy, B.C.M. Patnaik, and Prof. Saikat Chakrabarti	International Journal of Civil Engineering & Technology	International	9	7	Published

Conference					
Sl No	Topic of Publication	Authors	Conference Name	Type of Conference	Status
1	A multiobjective genetic algorithm approach for nutrient management of rice crop planning	Dr. Bidushi Jana, Rabin Jana, D. K. Sharma	Emerging Issues in Business, Technology and Applied Sciences	International	Published in Conference Proceedings
2	The objectification and domestication of women in Indian films and advertisements	Prof. Dibyajit Mukherjee	International Conference on Violence and Society	International	Published in Conference Proceedings

# MBA & PGDM DEPARTMENT

### Department Statistics:

**Faculty Strength: 20**

**Student Strength: 378**

**Year of Establishment: 1989**

## Objectives

To provide students with outcome based education in different management subjects to understand real life managerial situations and to handle different challenges in the present global scenario.

To educate students to enable them to acquire proficiency, a sense of professionalism, integrity and team spirit to work in diverse professional environments in becoming successful professional manager.

To provide our students with a state-of-the-art learning environment and industry-academia collaboration so as to develop managerial and entrepreneurship qualities.

To create conducive environment for motivating research activity in specialized areas and consultancy work.





## GOALS AND PLANS FOR NEXT YEAR

- Upgrade the quality of students being admitted
- Improve the Teaching - Learning process and outcome through more regular evaluation, remedial classes and assignments.
- More intensive grooming of the students with Aptitude tests, Group Discussions and mock interviews in order to prepare them for placement.
- Secure better placement for the students at higher median salaries.
- Enlarge the list of good companies coming for placement to the college.
- Conduct Faculty Development Program every quarter
- Facilitate more Research and Case Study publications by Faculty members in both internal and external journals.
- Intensive study programme in foreign universities to stimulate global exposure of the students
- Motivate the students to become accustomed with flipped classroom pedagogy.
- Encourage students Startup Career with a MBA.
- To expose students to social work and social welfare practices more frequently

## NEW ADDITIONS

Prof. Sutapa Bhattacharjee, Ms. Deepika Dalvi have joined the department.

## MILESTONE EVENTS

### 1<sup>st</sup> Foreign Study Tour at NUS, Singapore

A Team of 65 Students and 3 Faculty Members have just completed 1st Foreign Study Tour at NUS, Singapore from 5th February to 12th February 2019. The following schedule was maintained.



## 4th IEM- UEM Convention, 2019

Convention Schedule 7/02/2019

Keynote Address

1. Mr. Luca Bernardinetti, Chairman & CEO, Mahanakorn Partners Group Co. Ltd. & Director, Thai Italian Chamber of Commerce (TICC)



2. Mr. Danny Lim , CEO, Lighthouse Global Holdings, Inc.



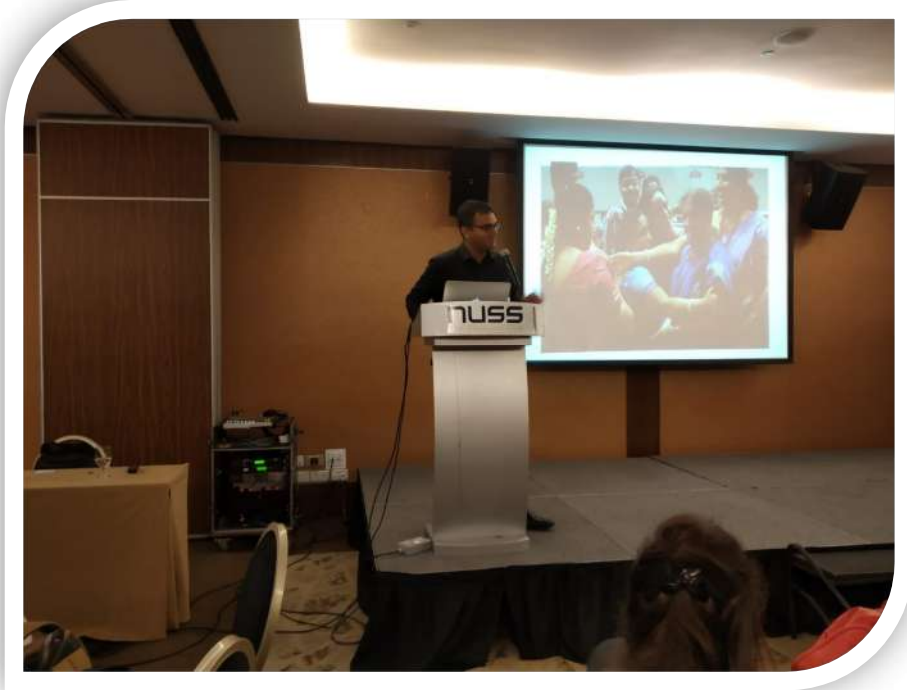
3. Mr. Nilay Patel, Portfolio Manager , Millennium Capital Management Pte Ltd

**08/02/2019**

1. Ms. Ranji David , Director – Marketing Services Asia World Federation of Advertisers.



2. Mr Udara Withana, Head of Strategy, Dentsu Singapore Pte Ltd conducting workshop on digital marketing.



3. Dr. Anitha Devi Pillai , Professor, National Institute of Education , NTU , Singapore

9/02/2019

1. Prof. Ashok Charan, Associate Professor, NUS Business School. National University of Singapore.



2. Dr. Wong King Yin, Lecturer – Division of Marketing & International Business, College of Business, Nanyang Business School.

## **New Canteen "Cafe Express" opened at the Management House for the Students**



**CapStone Workshop** was conducted for the MBA and PGDM Students so that they can understand how to do Business simulations.



**Financial Markets : Classes started** with collaboration of Krident Academy so that students can start learning how to trade in Financial Markets.

**The 1st batch** of 66 students completed the Basic Entrepreneurship Course out of which 52 students successfully cleared the final Exam. Each student will be awarded by a certificate by the Wadwani Foundation

**Faculty Development Program** was held on Advance Entrepreneurship Course at Management House from 28th January to 3rd February 2019



**A Course of Digital Marketing** was held for all MBA and PGDM students of IEM and UEM at Management House from 14th to 18th January 2019.





**First Foreign Internship** was completed by Debasmita Indra of PGDM (2018-20 Batch) with GRANTEQ LLC DUBAI, and got certificated from Granteq



Till now total 92 students have been placed for the batch of 2017-19 (MBA: 82\* and PGDM: 10\*)

Till now total 34 Students who have got Paid Summer Internship till date (MBA and PGDM 2018-20)

Mousumi Dutta of PGDM (2018-20 Batches) Completed her Winter Internship Programme from Tata Consultancy Services.

Till now 24 Partnership Campus company has been set up by students of 2018-20 Batch (MBA and PGDM) towards the effort to learn "A-Z of Running a Company"



# INSTITUTE OF ENGINEERING & MANAGEMENT

Department of MBA & PGDM

## Teacher- Students participation - Saraswati Puja 2019 @ Management House



## IEM-UEM stall at Kolkata Book Fair 2019



## RESEARCH, PUBLICATIONS AND CONSULTANCY

### Statistics of Publications

Category	Number of research paper published
Journal	29
Book	25

## AWARDS & RECOGNITION ACHIEVED BY TEACHERS

Name of the student / Faculty	Batch / Designation	Department	Award Details	Recognition
Prof. Indraneel Mukhopadhyay	Professor	Management	Certificate of Appreciation	Outstanding Contribution to the Institute

## AWARDS & RECOGNITION ACHIEVED BY STUDENTS



Ms Sagorika Roy (2016-18 Batch) received her rank certificate and Silver medal from MAKAUT

Ms Hia Bhattacharyya (2016-18 Batch) received her rank certificate and Bronze medal from MAKAUT





# ENTREPRENEURSHIP

Name of The Student	Name of The Start Up	Details of Startup	Department
Anubrata Dawn (17-19)	City Sanitary & Hardware	Sanitary	Management
Ishita Roy (17-19)	K. R Constructions	Constructions	Management
Krishnendu Maity (17-19)	Shri Krishna Supplier	Dairy	Management
Mainak Majumder (17-19)	B.M. Fisheries	Fishery	Management
Abhigan Tarafdar (18-20)	Image Enterprise	Garment Shop	Management

# NATIONAL & INTERNATIONAL COLLABORATIONS AND ACTIVITIES & MOUS

## FOREIGN COLLABORATION

**Master's Agreement**

Under the General Agreement on International Academic Cooperation between ESC Rennes School of Business, (hereinafter named ESCR) in France and IEM / UEM (hereinafter named IEM / UEM) in (country), both institutions agree to cooperate in co-training international students in management and business fields and facilitate IEM / UEM's undergraduate students to study post-graduate programme in ESCR.

- Programme of study**  
Students who are studying in a Bachelor programme in IEM / UEM, the first year Bachelor students having already obtained required credits (equivalent to 180 ECTS credits or 120 US credits) to be granted the Bachelor degree, may apply to study the Master Programmes (MA & MSc) entirely taught in English at ESCR. The duration of Master Programmes (MA & MSc) at ESC Rennes is 15 to 18 months, including course period (from September to April). Dissertation writing and internship (4 months minimum - from May up to December) are compulsory for MA programmes, and optional for MSc programmes.
- Promotion & Communication**  
Both of ESCR and IEM / UEM will publish information at the campus and the website about the cooperation programme. Both ESCR & IEM / UEM will organize seminars and do the presentation or lectures ESCR requiring staff to do presentations at IEM / UEM's campus.  
ESCR Rennes will provide students with the following information by December 30<sup>th</sup> each year:  
a. The number of students ESCR is willing to accept the following year.  
b. The tuition fees for the following year.  
c. The courses offered the following year and also provide general information on accommodation & practical information on getting to Rennes.
- Requirements**  
a) Students should complete or will complete a Bachelor degree at IEM / UEM before joining the MA or MSc programme at ESCR.  
b) Students should have a good level of English language demonstrated by an official test (minimum: IELTS 6.5, TOEFL 80 NET, TOEIC 750). The score may be provided when available before the programme at ESCR starting.  
c) There is no requirement for French language but if students in French are chosen, proficiency in French will be also required (minimum: DELF B2, DALF C1 or TCF TEP).
- Student application documents**  
IEM / UEM will provide ESCR with the following each year the completed application files\* for all students selected for the programme before 31<sup>st</sup> May. Each application file should include:  
a) Application form (for ESCR) completed and signed by the student + photo;  
b) CV in English;  
c) Motivation letter in English;  
d) Transcripts for the semesters which had been finished.  
The following documents may be completed before the programme starting in September:  
a) Passport & visa (2 copies of each)  
b) Birth certificate.

## COOPERATION AGREEMENT

### BETWEEN THE BOARD OF REGENTS OF THE NEVADA SYSTEM OF HIGHER EDUCATION, ON BEHALF OF THE UNIVERSITY OF NEVADA, LAS VEGAS, AND INSTITUTE OF ENGINEERING & MANAGEMENT

This Cooperation Agreement (this "Agreement") is entered into by Institute of Engineering & Management (hereafter "IEM") and the Board of Regents of the Nevada System of Higher Education, on behalf of the University of Nevada, Las Vegas (hereafter "UNLV"). The Parties desire to engage in academic, scientific and cultural collaboration under the following terms and conditions.

## OBJECTIVES

UNLV and Institute of Engineering & Management agree to develop academic and research programs, as well as promote projects in the areas of interest to both institutions. The participation of each university in any of the specific programs will be subject to the availability of funds and academic personnel.

## ACTIONS

A. Actions that may be carried out under this Agreement include:

1. Joint research activities;
2. Personnel exchange for purposes of study and research;
3. Information exchange in fields of interest to academic personnel and students of Institute of Engineering & Management and UNLV; and
4. Academic personnel exchange for lectures, talks, symposiums, conversations and sharing of experiences.



## MEMORANDUM OF UNDERSTANDING

between  
Institute of Engineering & Management, Kolkata  
and  
Brunel University London  
for  
Academic and Research Collaboration

## 1. Preamble

- 1.1. This Memorandum of Understanding is intended to promote co-operation and advancement of international understanding between Brunel University London and Institute of Engineering & Management, Kolkata to their mutual benefit.
- 1.2. Nothing in this Memorandum of Understanding shall be construed as creating a legal relationship between the Parties.
- 1.3. The purpose of this Memorandum of Understanding is to enable Brunel University London and Institute of Engineering & Management, Kolkata to achieve objectives as set out below.

## 2. Objectives

- 2.1. The development and promotion of research collaboration in areas of mutual interest.
- 2.2. The exchange of staff, scholars and students.
- 2.3. The sponsoring of co-operative seminars, workshops and other academic meetings on matters of mutual interest.
- 2.4. The development and delivery of training programmes.

## INDUSTRY COLLABORATION



## MEMORANDUM OF UNDERSTANDING

This memorandum of understanding is made and entered into on the 1st day of August 2017, between Institute of Engineering & Management (hereinafter referred to as "IEM"), hereinafter called Party of the First Part (which expression whenever the context so requires or permits, shall mean and include successors in office and assignees)

and

CONFEDERATION OF INDIAN INDUSTRY, Eastern Region (hereinafter referred to as "CI ER"), having its Central Office at The Marooch Centre 23, Institutional Area, Lodi Road, New Delhi - 110 003 and its Regional office at 6 Hotel Science Road, Kolkata 700001 hereinafter called the Party of the Second Part (which expression whenever the context so requires or permits, shall mean and include successors in office and assignees).

## Whereas

IEM is a self-financing Institute, running under non-profitable IEM Trust, under Department of Higher Education, Govt. of West Bengal and focuses primarily on Engineering & Management education and offers programmes approved by the AICTE and is affiliated to Maulana Abul Kalam Azad University of Technology.

## And Whereas

The Confederation of Indian Industry (CII) works to create and sustain an environment conducive to the development of India, partnering industry, Government, and civil society, through advisory and consultative processes.

CI is a non-government, not-for-profit, industry-led and industry-managed organization, playing a proactive role in India's development process. Founded in 1959, CII is India's premier business association and has over 8300 members, from the private as well as public sectors, including SMEs and MNCs, and an indirect membership of over 200,000 enterprises from around 250 national and regional sectoral industry bodies.

## And Whereas

The Eastern Region Sub Committee on Education Development plays a key role in contributing to the competitiveness of higher education sector working on the aspects of quality, relevance and access to education through focused activities that create natural synergies between industry, government & the academia.

It is hereby mutually agreed to by both parties as follows:

CI ER will work with IEM to create a CI ER Education Excellence Forum, an Industry-Academia Interaction Platform and provide comprehensive hold up, facilitate and arrange

*Atyajit Chakrabarti*

**WADHWANI FOUNDATION**

**Entrepreneurship Development – Institutional Association MOU**

This non-binding memorandum of understanding ("MOU"):

Signed On: 27th APRIL 2018

**BY AND BETWEEN:**

**Name:**  
INSTITUTE OF ENGINEERING & MANAGEMENT  
MANAGEMENT CAMPUS

Hereinafter referred to as "Partner Institute" (which expression shall, unless it be manifest to the subject or context thereof, include its successors and permitted assigns).

**DESCRIPTION:**  
This is an AICTE approved MARAUT affiliated  
duration 2 years MBA/PGDM course.

**Registered Office Address:**  
120 5th BUILDING, GROUND FLOOR, SALT LAKE,  
SECTOR-4, KOLKATA - 700091

**AND**

**WOF:**  
Wadhvani Operating Foundation, a California nonprofit public benefit corporation, with offices at Four Main Street, Suite 120, Los Altos, CA 94022, hereinafter referred to as "WOF" or "WF", (which expression shall, unless it be manifest to the subject or context thereof, include its successors and permitted assigns).

This MOU is non-binding in nature and does not create any legal obligations between the Parties, except for the intellectual property provisions in Section 3 and dispute resolution and indemnity provisions in Section 7 of the Terms and Conditions. The Partner Institute and WOF agree to work together to systematically develop the entrepreneurship programs described below.

**CILT India – IIM Kolkata Chapter  
Rules & Regulation (Bylaws)**

**Article 8.**  
**A. Name of the Chapter:**  
The name of this association, recognized Chapter shall be "CILT India – IIM Kolkata Chapter", hereinafter referred to as the "Chapter". The Chapter is affiliated with "CILT India – Bombay", referred to as the "Society".  
The Chapter has no affiliation with the Society, and it is neither an independent entity nor does it have any affiliation with any other association, organization, or entity.

**B. Official Address of the Organization:**  
Management Plaza, Institute of Engineering & Management,  
D-1, Sector-4, Salt Lake Electronics Complex,  
Kolkata - 700091.

**Article 11.**  
**Purpose:**  
**Chapter's Purpose:**  
The primary purpose of the Chapter is to promote the achievement of individuals for the improvement and development of their capabilities relating to the fields pursued by the Society, i.e., the CILT India.

**The objectives of the Chapter are:**

- To promote the education of, and help expand the knowledge and skills of its members in the fields of Education and Training;
- To encourage an open exchange of ideas and views on Education and Training, especially with emphasis and confidence on the pursuit of Continuous Professional Education (CPE) to its members;
- To provide adequate communication to keep members abreast of current events in the domain of Education and Training and to be of benefit to them and their employees;
- To facilitate its members to pursue self-financed and diploma programs being conducted and/or provided by the Society;
- To establish itself as a center of excellence in the discipline/branches of Education, Training, Management and also to act as approved by the "Parent Society";
- Do all such other acts and things which shall or in combination with other association or persons as the "Society", the parent body may consider necessary and/or direct.

**Article 2. Membership:**

**Principal members of the Chapter shall be:**

1. Those who fulfill requirements of being members of the "Society", i.e., CILT India and are Members of Chartered Institute / Fellow of the Society;
2. Follow the Code of Professional Ethics of the Society;
3. Membership in the Chapter shall be conferred upon an individual by the Society only.

Page 1 of 8

## FDPS/DISTINGUISHED LECTURES ORGANIZED

Sl No	Personality Name	Organization	Date	Attended By
1	Mr. Shiv Khera	Qualified Learning System Inc. USA	25 <sup>th</sup> August 2018	Faculty and Students
2	Mr. Himadri Das	HR Business Partner - North East, East & Nepal Kone Elevator India Pvt Limited	21st of July 2018	Faculty and Students
3	Mr. Gaurav Agarwal	Business HR (East), Ashok Leyland	21st of July 2018	Faculty and Students
4	Ms. Sushmita Chowdhury	HR Business Partner Sun TV	21st of July 2018	Faculty and Students
5	Mr. Ashish Banka	HR Business Partner, reliance Jio	21st of July 2018	Faculty and Students
6	Mr. Sushovan Sarkar	Account Manager, LOTTE India Corporation Ltd	31st of July 2018	Students
7	Mr Abhiroop Banerjee	Co-Founder, GRIP Consultancy	7 <sup>th</sup> July 2018	Students
8	Mr. Shantanu Goswami	Director, SAP, Data Management Division	7 <sup>th</sup> August 2018	Faculty and Students
9	Mr. Amitav Mukherji	Corporate HR, ITC Ltd.	4th October, 2018	Students
10	Mr. Subhasish Das	VP HR, Berger Paints	4th October, 2018	Students
11	Mr. Sujoy Banerjee	Chief People's Officer, Tractors India Ltd.	4th October, 2018	Students
12	Mr. Arnab Chakraborty	GM, HR & Administrative, CESC Ltd.	4th October, 2018	Students
13	Mr. Avijit Sengupta	Dir Tataglobal Beverages.. Conducting. Corp.	21 <sup>st</sup> February 2019	Students



## PLACEMENT

### Key achievements

- Total number of students placed – 99
- % of placed on eligible - 66% and ongoing
- Highest Salary - 6.67 lakhs
- Average Salary - 3.50 lakhs

## TRI-MENTORING AND ALUMNI INTERACTION ACTIVITIES

Sl no	Date	Taken By Industry		Attended By
		Name of the Person	Organisation	
1	21st of July 2018	Ms Debalina Roy	Corporate HR Manager Star Cement Limited	Students
2	21st of July 2018	Mr Vishal Verma	Sr Manager HR Techno Electric & Engineering Co. Ltd	Students
3	21st of July 2018	Mr Ashish Banka	HR Business Partner Reliance JIO	Students

Sl No	Alumni Mentoring Session		Date	Attended By
	Name of the Alumni	Batch		
1	Debanjana Roy Chowdhury	2014-16	7th July 2018	1st year students Batch 2018-20
2	Pijush Karmakar	2012-14	21st July 2018	1st year students Batch 2018-20
3	Rajat Guha	1998-2000	14th July 2018	1st year students Batch 2018-20
4	Sanjoy Ganguly	2017-19	21 <sup>st</sup> February 2019	1st year students Batch 2018-20
5	Purbayan Sarkar	2017-19	21 <sup>st</sup> February 2019	1st year students Batch 2018-20

## PUBLICATIONS

Journal							
Author Name	Title of the Paper	Journal name	Publisher Name	Volume No.	Issue	Page No.	Year
Prof. P.K. Banerji	Disruptive technology and disruptive innovation: ignore at your peril!	Science Journal of Business Management	Science PC				2018
Prof. Sohini Datta	Facilitating “transferable skills” among Management students for future placement opportunities: An Empirical study	CBS Journal of Management Practices		4	1 & 2		2018
Prof. Writaparna Mukherjee	On Motives to Work as a Principle Determinant of Developmental Disparity	Survey	IISWBM	57	1 & 2	44-51	2018
Prof. Sourav Banerjee	On Motives to Work as a Principle Determinant of Developmental Disparity	Survey	IISWBM	57	1 & 2	44-51	2018
Prof. Anuradha Saha	Business Strategies and Competitive Intelligence – An Analysis	Survey	IISWBM	57	1 & 2	52-60	2018
Prof. P K Ghosh	Evolution of Insolvency and Bankruptcy Code, 2016 based on Judicial	The Chartered Accountant	ICAI	66	11	1539 to 1543	2018

Journal							
Author Name	Title of the Paper	Journal name	Publisher Name	Volume No.	Issue	Page No.	Year
	Interpretation and Pronouncement						
Prof. Anuradha Saha	A Study of Customer's Attitude, Personality and Perception towards Insurance	International Journal of Research in Commerce, Economics and Management	EBSCO Publishing, USA	Vol No. 8 (2018)	Issue No. 04 (April)	16-22	2018
Prof. Anuradha Saha	Influence of Macro-economic Variables on Stock Market Volatility: A study on Nifty	Asian Journal of Management		Vol No. 09 (January-March 2018)	Issue No 01		2018
Prof. Dr Sujit Dutta	Zed-Zero Effect Zero defect a Pathway to Green Growth for MSMEs in India	Asian Journal of Research in Social Sciences and Humanities		Vol No 8	Issue 4	99-112	2018
Prof. Dr. Indraneel Mukhopadhyay	Conflict Management in Healthcare Sector:- In Indian Scenario	International Journal of Education and Management Studies	IAHRW Publications Private Limited			153-161	2018
Prof A.K. Banerjee	A feasibility of Landline Portability from Customer's perspective in Kolkata city- A Market Analysis"	Kindler		VolXVII			2018
Prof Dr Sujit Dutta	A Pathway to Green Growth and Green Business- Some Evidences from Indian Companies	Siddhant- A Journal of Decision Making		Volume 17	Issue 4	263-270	2017



<b>Journal</b>							
<b>Author Name</b>	<b>Title of the Paper</b>	<b>Journal name</b>	<b>Publisher Name</b>	<b>Volume No.</b>	<b>Issue</b>	<b>Page No.</b>	<b>Year</b>
Prof. Anuradha Saha	A Study on the Awareness of Insurance Product in Kolkata Region, India	International Journal of Research in Commerce, Economics and Management	EBSCO Publishing, USA	Vol No. 7	Issue No. 04 (April)	56-62	2017
Prof. Anuradha Saha	Awareness and Availing of Banking Facilities by Individual: A Study on Kolkata Region	“EIRC News”	The Institute of Cost Accountants of India	Volume No. 7	Issue No. 07	12 to 14	2017
Prof. Sourav Banerjee	Conceptualizing Irrationality as an Implicit Economic Variable	Prism, IEM Management Review		Volume No. 1	Issue No. 2		2017
Prof. Sourav Banerjee	Propositions on Transitory Income with Relation to Consumption and Savings Propensity	International Journal of Engineering and Management Research (IJEMR)	Vandana Publications	Volume 7	Issue 6	98-102	2017
Prof. Sourav Banerjee	Modeling Random Choice Behavior in the Context of the Size of the Choice Set	International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS)		Volume 6	Issue 6	227-229	2017
Prof. Bikas Chandra Mandal	Conceptualizing a Model for Online Shopping Intention: A Literature Review	International Journal of Latest Technology in Engineering, Management & Applied		Volume 6	Issue 6	109-112	2017

Journal							
Author Name	Title of the Paper	Journal name	Publisher Name	Volume No.	Issue	Page No.	Year
		Science (IJLTEMAS)					
Prof. Sohini Datta	Exploring Learner Centered Approach towards English Language Teaching: A flexible methodology for Management Education	New Academia: An International Journal of English Language, Literature and Literary Theory		Volume 6	Issue 4		2017
Prof. Sohini Datta	Exploring Learner Centered Approach towards English Communication Skills: A flexible methodology for Management Education	Prism, IEM Management Review	IEM	Volume 1	Issue 2		2017
Prof. Sohini Datta	Communication Inadequacies among students of Biotechnology in developing 'Lab-To-Field' Strategies: An Empirical Study in Literary Herald	International Refereed English e-Journal)					2017
Prof. Writaparna Mukherjee	Conceptualizing Irrationality as an Implicit Economic Variable	Prism, IEM Management Review	IEM	Volume 1	Issue 2		2017
Prof. Writaparna	Propositions on Transitory	International Journal of	Vandana Publications	Volume 7	Issue 6	98-102	2017

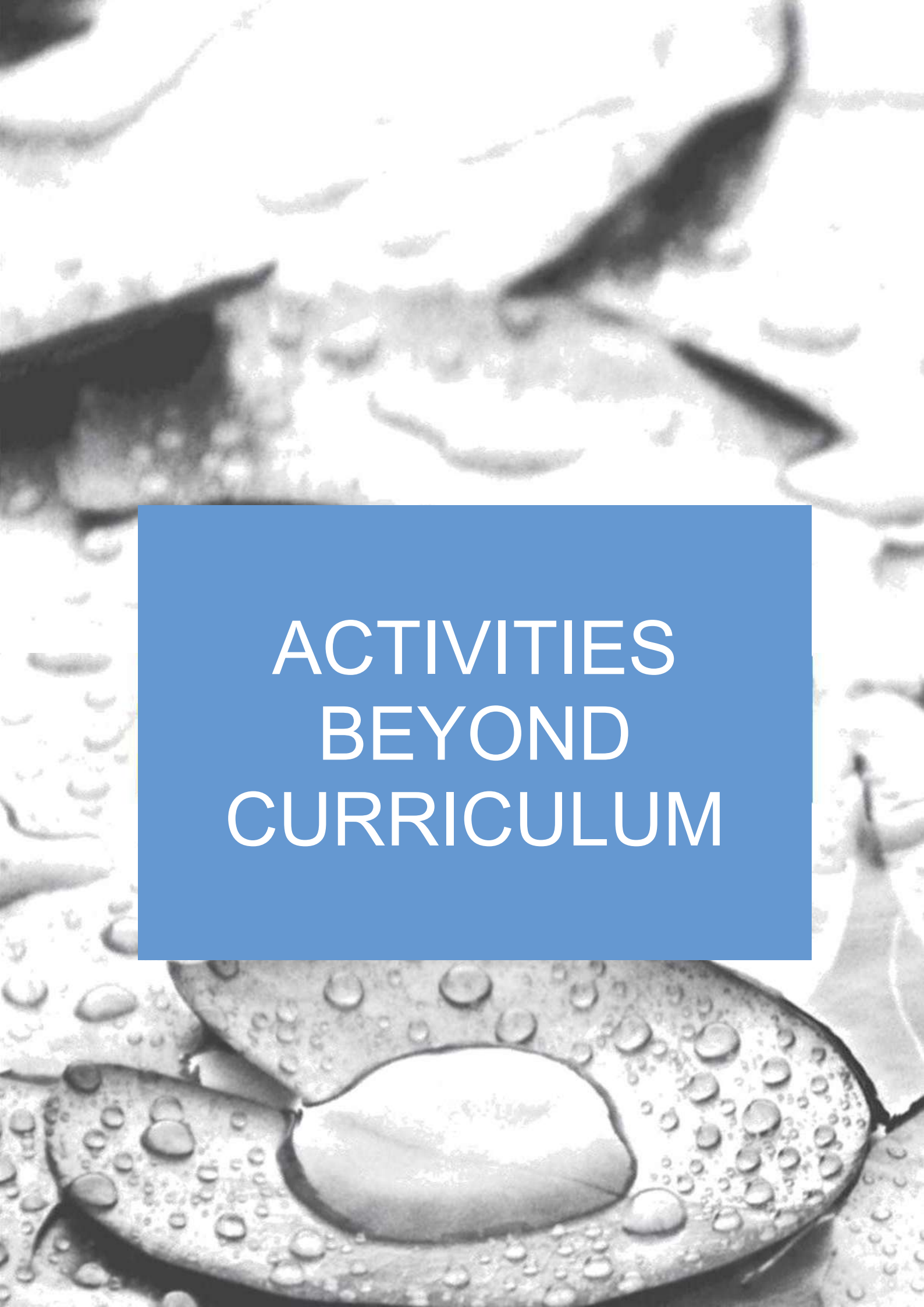
Journal							
Author Name	Title of the Paper	Journal name	Publisher Name	Volume No.	Issue	Page No.	Year
Mukherjee	Income with Relation to Consumption and Savings Propensity	Engineering and Management Research (IJEMR)					
Prof. Writaparna Mukherjee	Modeling Random Choice Behavior in the Context of the Size of the Choice Set	International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS)		Volume 6	Issue 6	227-229	2017
Prof. Pradip Kumar Ghosh	Diagnostic Case of E-Commerce Companies	Prism, IEM Management Review		Volume 1	Issue 1		2017
Prof. Munmun Goswami	Managing Diversity in Workplace	Prism, IEM Management Review		Volume 1	Issue 1		2017
Prof. Sourav Banerjee	Mathematical Modeling of Economic Disturbance As Natural Wave Equation	Prism, IEM Management Review		Volume 1	Issue 1		2017
Prof. Writaparna Mujherjee	Mathematical Modeling of Economic Disturbance As Natural Wave Equation	Prism, IEM Management Review		Volume 1	Issue 1		2017
Prof. Arundhati Ray	Conceptualizing Irrationality as an Implicit Economic Variable	Prism, IEM Management Review		Volume 1	Issue 2		2017

Conference					
Author Name	Title of the Paper	Conference name	Publisher Name	Page No.	Year
Prof. Sohini Dutta	English for Organizational Communication in the context of Globalization: An Empirical Investigation	SRM University, Chennai in association with ELT@I, Chennai			2019
Prof. Anuradha Saha	Effect of Macroeconomic Variables on Stock Market Volatility A Study on Select Sectoral Indices	3rd International Conference on Management and Business Practices 2019 at Aliah University		54	2019
Prof. Arundhati Ray	Intellectual Property Rights And Indian Agriculture: Some Policy Issues	Down to Earth' organised by University of Calcutta in association with Leeds Beckett University U.K. and IMI Kolkata			2019
Prof. Mitali Sengupta, Prof. Dr. Satyajit Chakrabarti, Prof. Dr. Indraneel Mukhopadhyay	Sentiment Analysis: An Emerging Tool For Higher Levels Of Patient Satisfaction And Diminishing Provider-Acceptor Healthcare Conflicts	International Conference on Urban Health (ICUH2018) in Kampala, Uganda	Elsevier		2018
Prof. Mitali Sengupta, Prof. Dr. Satyajit Chakrabarti, Prof. Dr. Indraneel Mukhopadhyay	Spectrum and Analysis of various socio cultural themes leading to non-adherence of antitubercular treatment in an Indian clinical setup	Sustainable development and value based perspective (SDVP-18), MDI Murshidabad			2018
Prof. Sohini Dutta	Corporate Communication: Exploring the Role	International Conference on English Learning		105	2018

Conference					
Author Name	Title of the Paper	Conference name	Publisher Name	Page No.	Year
	and Importance of Communication and its Relevance in the Cross Cultural Business Environment across the Globe	and Teaching Skills			
Prof Indrani Ganguly	International Conference On English Learning And Teaching Skills	International Conference On English Learning And Teaching Skills 2018			2018
Prof Munmun Goswami	"E-learning: Organizational Issue	SIBM - ASMA Annual National Research Conference			2018
Prof. Sohini Dutta	The Impacts of Word of Mouth Communication on Management Students' Attitudes toward the Welfare of Natural Environment: A CSR Perspective	NCCMP By Army Institute			2018
Prof. Arundhati Ray	Women And Economic Reforms In India: An Empirical Perspective	NCCMP By Army Institute			2018
Pof. Debasish Sarkar , Prof. Asok Kumar Banerjee	A feasibility of Landline Portability from Customer's perspective in Kolkata city- A Market Analysis	NCCMP By Army Institute			2018
Prof. Arundhati Ray	Embedded System For Blind People Using MSP430	NCCMP By Army Institute			2018
Prof. Arundhati Ray	Generic Medicines An App To Popularise It Among The	NCCMP By Army Institute			2018

Conference					
Author Name	Title of the Paper	Conference name	Publisher Name	Page No.	Year
	Masses				
Prof. Munmun Goswami	Change and conflict Management	National Conference on Contemporary Management Practices	Kindler		2018
Prof. Sohini Datta	The impact of word of mouth communication on management students' attitudes towards the welfare of natural environment: A CSR perspective	National Conference on Contemporary Management Practices	Kindler		2018
Prof. Arundhati Ray	Women and economic reforms in India: an empirical perspective	National Conference on Contemporary Management Practices	Kindler		2018
Prof. Anuradha Saha	Effects of Selected Macroeconomic Variables on Stock Market Volatility - An Study on Nifty	Two Day International Conference on "Emerging Trends in Management Research"	Department of Management and Business Administration, Aliah University		2018
Prof Munmun Goswami	E-learning: Organizational Issue	SIBM - ASMA Annual National Research Conference			2018
Prof Dr Indraneel Mukhopadhyay	Conventional Healthcare Practices and Issues - A comparative Study	38th World Management Congress		77-78	2017
Prof. Dr. Swati Mukherjee	Positioning of Private Label Brands of Men's Apparel against National Brands: An Exploratory Perceptual Study	Conference at International Management Institute, Kolkata	International Management Institute, Kolkata		2017
Prof. Anuradha Saha	Impact of Macroeconomic Variables on Stock	Two Day International Conference on	Department of Management and Business		2017

Conference					
Author Name	Title of the Paper	Conference name	Publisher Name	Page No.	Year
	Market Volatility – An Empirical Analysis on Nifty	“Emerging Perspectives in Commerce, Economics and Management - Policies for a Better World”	Administration, St. Xavier’s College (Autonomous), Kolkata		
Prof. Anuradha Saha	Business Strategies and Competitive Intelligence – An Analysis	International Conference on “Business Analytics and Actionable Intelligence”	Indian Institute of Social Welfare and Business Management		2017
Prof. Anuradha Saha	Factors Affecting Stock Market Volatility: An Empirical Analysis on BSE SENSEX	Two Day International Conference on “Millennium Management Paradigm and Contemporary Business Practices ”	Department of Management and Business Administration, Aliah University		2017
Prof. Sohini Datta	Innovative Communication Strategies of Women Leaders in Entrepreneurship: An empirical study	1st IEM Convention	IEM		2017
Prof. Pradip Kumar Ghosh	An insight into Indian Entrepreneurship through the data of Patent Office	1st IEM Convention	IEM		2017



ACTIVITIES  
BEYOND  
CURRICULUM



### E-Week 2018

DATE: 10-16 February

NEN E-week was celebrated in IEM, from 10-16th of February. During these 7 days a lot of events, both online and offline, were conducted to promote Entrepreneurship in the society. Events covered all genres from Entrepreneurship to Social campaigns and fun events as well organized by all the streams of IEM. IEM E-Cell also launched its first edition of **ENTREPRANA**, the magazine of E-cell. Bootcamps, NEN WF Activities, talk sessions, seminars, Panel Discussion, etc were organised. IEM E-Cell also took the initiative of arranging a Charity Drive and a Cycle Rally. Other than these, events like Debate, B-Quiz, T-Shirt Painting, Face Painting, Audiometrix, Movie Faniesta, Felix Finesse, ShutterBug etc were also organised to engage students of all sectors in E-Week. Participants from all over eastern region took part and thus the event reached the zenith of success.

The final of the event was held in Siri Fort Auditorium, NEW DELHI where the IEM E-Cell was crowned “E-CELL OF THE YEAR” and named as best E-Cell of the nation and also stood 2nd Runners Up as per E-Week in India.



# Marathon

**Date: 18th February**

**Chief Guest: Lakshmi Ratan Shukla, Minister of Sports and Youth Affairs, Govt. of W.B.**

On 18th February 2018, Institute of Engineering and Management – Kolkata, University of Engineering and Management – Kolkata and University of Engineering and Management – Jaipur organized the second edition of IEM – UEM Kolkata Marathon with the motivation to ‘Run to Educate’. Like the previous year, City Centre 1 served as the starting and the ending point for the marathon. The mega event witnessed over 1500 people with around 650 runners from other organizations and 500 runners from the IEM group. The event also witnessed a large audience that had to come to cheer the runners.



**IEM - UEM KOLKATA MARATHON 2018**  
**Chief Guest: Laxmi Ratan Shukla**  
 (Hon. Minister of State for Sports and Youth Affairs, Govt. West Bengal)  
**REGISTRATION FEE: ₹500**  
**FREE T-SHIRT AND REFRESHMENTS.**  
**PROF. SANGHAMITRA: 9433310775**  
**PROF. ASHIM: 9433988379**  
[www.iemuemkolkatamarathon.org](http://www.iemuemkolkatamarathon.org)

**CITY CENTRE | SALT LAKE**  
**RUN FOR EDUCATION**  
**18<sup>TH</sup> FEB**

SAURAV: 7059468534 | IVY: 9470393842  
 PIYUSH: 9939965776 | TULIKA: 9019822418

The IEM – UEM Kolkata Marathon 2018 was organized in association with The Telegraph, Child Rights and You, IDBI Bank, ICICI Bank, Drivers4Me, Nicco NESL and Endeavor with 91.9 friends fm as the Radio Partner, Narayana Health as the health partner and Timing Technologies India as the timing partner providing personalized timings for each runner. After a successful inaugural impression, the IEM – UEM Kolkata Marathon was much bigger, better and more grand with increased number of participants and unlike other marathons organized by groups of professional, the IEM – UEM Kolkata Marathon was organized by few college professors, a team of 14 graduating students. The Salt Lake Runners Club and the Cycle Network Group played a vital role in the success of the event. The event was organized with the aim to give back to the society as the proceedings of the event were donated to the Child Rights and You (CRY) organization to provide good education to underprivileged children. It was also an initiative to inculcate the habit of maintaining health and lifestyle not only among the residents of West Bengal but also among the residents of neighboring states like Jharkand and Orissa. Many runners from remote areas like Paschim-Midnapur, Bakura, Burdwan, Purnia and other areas had arrived a night before in Kolkata especially for the run. 6 Navy personnel also took part in the IEM – UEM Marathon.



## Activities Beyond Curriculum

City Centre 1 seemed like a wave of white foam as the packed crowd of runners was spread over a large distance, costumed in the official white T-shirt. From children to novice to expert, everyone found a place in the IEM – UEM Kolkata Marathon. The experienced and the physically trained took part in the half marathon, whereas those trying to gradually match up took part in the 10k timed run, and others who were beginning to get into the good habit tried out the 5k fun run. The 5k senior citizen run was also organized to motivate senior citizens to keep up with good health. The event also had two race categories of 200m and 100m sprint in store for the school children. The winners of each category is given as follows:





**Metro**  
**Held for**  
**Smooth run: treat for feet and eyes**

**22 AWARDS AND COUNTING.**

Run Category	Men Position	Timing	Women Position	Timing
Half Marathon (21.097km)	1. Sahinur Molla	01:16:57	1. Sabina Khatun	01:50:56
	2. Soumitra Acharya	01:21:24	2. Piyali Dolui	02:08:02
	3. Arup Dhak	01:24:40	3. Amazing Grace	02:15:21
Timed Run (10km)	1. Rahul Kumar Rajbhaar	00:37:15	1. Sanghamitra Mahati	00:49:25
	2. Basiruddin Mondal	00:40:06	2. Tushli Mali	00:53:05
	3. Amit Das Majunder	00:42:14	3. Shreya Riyer	01:03:28
Mini Marathon (5km)	1. Advait Singhal	00:26:50	1. Prashansha Rathi	00:31:17
	2. Arihant Bakshi	00:35:17	2. Aanya Poddar	00:46:12
	3. Sahan Laskar	00:40:26		



# YOUR QUOTE OPEN MIC 5.0

YourQuote, Asia's fastest growing writing app, with over 6,00,000 users writing in 12+ languages across 177 countries in the world successfully had its 5th ever Open Mic in Kolkata. The event was hosted in the grand Science Auditorium of Institute of Engineering & Management on 25th Feb, 2018.

With 36 talented performers taking part in the event, the performances ranged from shayaris, to storytelling, to Stand-up comedy and motivational speeches too. Alok Agarwal, Siddhant Khetan, and Shoumik Das, students of 3rd year CSE Dept., successfully conducted the event.



# TO A NEW BEGINNING 2k18

TO A NEW BEGINNING 2K18: The Annual Farewell of IEM,KOLKATA was scheduled on 3rd May 2018. The Students of IEM,Kolkata bid farewell to their seniors. The students made arrangements for a short cultural programme.

ALL the students of the outgoing batch of year 2014-2018 were given mementos and a grand lunch was arranged for them.



# VISHWAKARMA PUJA

The students of IEM along with the faculty paid their homage to Lord Vishwakarma on 17th of September. The mandap was beautifully decorated by the students. The day ended with distribution of Prasad.



# IEM GROUP Welcomes Mr. Shiv Khera

The day started with an award ceremony for the felicitating the best HR managers of different companies and the best school teachers and principals for their outstanding service in the field of teaching and education.

The award ceremony was followed by a short cultural programme by our students who performed flawlessly. The day ended with a motivational speech to our students and the guests by Mr. Shiv khera internationally acclaimed speaker as well as a bestseller author.



**INSTITUTE OF ENGINEERING & MANAGEMENT**  
**UNIVERSITY OF ENGINEERING & MANAGEMENT**  
in association with  
**The Telegraph**  
**WELCOMES**  
  
**International Motivational Speaker  
and Best Selling Author**  
**MR. SHIV KHERA**  
Venue:  
**Biswa Bangla Convention Centre  
New Town, Kolkata**  
Date : 25 August, 2018  
Radio Partner : **91.9 friends fm**  
Frequency Friends FM

## Award Ceremony

HR Managers, school teachers and Principals received awards from Prof. Dr. Satyajit Chakrabarti, President IEM GROUP. Managers from top most corporates and teachers and Principals of leading schools were present in this award ceremony.



### Mr. Shiv Khera addresses students of IEM GROUP

We were very fortunate to have Internationally acclaimed speaker and bestseller author Mr. Shiv Khera amongst us. He motivated the students and the guests present with his speech and filled the auditorium with positive energy.



Mr. Shiv Khera

### CULTURAL PERFORMANCES



### Achievements of IEM College Cricket Team in 2017-2018

The cricket team of our college participated in a number of inter-college cricket tournaments and they won quite a few of them . The immense hard work put by the students in this field is just wonderful. The captain of this team, Kaustav Shome led the side brilliantly in achieving this feat.

The list of participation and achievements are as follows :

1. Participated in the MAKAUT ZONAL INTER COLLEGE TOURNAMENT and became the semi-finalists.
2. Participated in the IEST INVITATIONAL CRICKET TOURNAMENT and became the Champions.
3. Participated in the COLLEGE PREMIER LIGA (only the top 32 college teams in Kolkata had participated) and became the quarter-finalists.
4. Participated in the BUDGE BUDGE INSTITUTE OF TECHNOLOGY (BBIT) CHAMPIONS TROPHY and became the Champions.



### BIENVENUE-2018

The students of Institute of Engineering & Management arranged a warm welcome to the new members of the IEM Family, the batch of 2017-2021 by organising the Freshers' Welcome: Bienvenue-2017. Students of second to fourth years outdid themselves making the arrangements for the welcome





### HOMECOMING 2018

On 21<sup>st</sup> December 2018, Institute of Engineering and Management (IEM) organized the much awaited Alumni Meet – Homecoming 2018, in the IEM Gurukul Campus with over 500 alumni members attending the event. The event witnessed the launch of the Alumni E-Magazine – Memories@IEM, created as a medium to bridge the gap between the institution and its proud graduates spanning across the world. The college took this opportunity to felicitate some remarkable projects undertaken by current IEM students and were awarded as assistance for the completion of their dream projects by IEM Alumni Association. Also several alumni were awarded during the prize distribution ceremony for their noted work in entrepreneurial ventures, community services and academic research.



**IEM ALUMNI ASSOCIATION PRESENTS YOU WITH**  
**HOMECOMING**  
ANNUAL IEM ALUMNI MEET 2018  
21.12.2018

*Souls tends to go back to where it feels like home!*

BOOK YOUR TICKETS! BLOCK YOUR DATES!

**Call us**

Prof. Dr. Binwajir Chatterjee +91 985151057	Prof. Sanghamitra Poddar +91 9433310775
Prof. Sourav Banerjee +91 9748376879	Prof. Saikat Chakraborty +91 943325844
Prof. Writaparna Mukherjee +91 9433248232	Prof. Soumik Das +91 9007361297
Prof. Avijit Bose +91 9836614740	Prof. Supratarna Ghosh +91 9231040026

Venue: IEM ENGINEERING GURUKUL CAMPUS  
V-12 COLLEGE MORE, SECTOR-V  
Salt Lake Electronics Complex  
Kolkata - 700095

An award ceremony was conducted to felicitate the distinguished alumnus. The award ceremony was then followed up with the customary cake-cutting ceremony and the extravaganza was then finally concluded with a cultural program, which the students, alumni members and professors cherished whole-heartedly. Homecoming 2018 ended with a promise to meet again and everyone bid an emotional farewell to each other. A gala dinner among the alumni was a moment to sit and get nostalgic about the college days.



# Marathon

Date: 20th January

On 20th January 2019, Institute of Engineering and Management – Kolkata, University of Engineering and Management – Kolkata and University of Engineering and Management – Jaipur organized the third edition of IEM – UEM Kolkata Marathon. Like the previous years, City Centre 1 served as the starting and the ending point for the marathon. The mega event witnessed over 1500 people. The event also witnessed a large audience that had to come to cheer the runners.

		<b>Institute of Engineering &amp; Management</b> <b>University of Engineering &amp; Management</b> <b>IEM-UEM Kolkata Marathon</b>			
<b>City Centre 1, Salt Lake</b> For cash (offline) registration contact IEM 'GURUKUL', Campus, College More		<b>RUN FOR EDUCATION</b> <a href="http://www.uem.edu.in">www.uem.edu.in</a> Register within 30th Dec, 2018		For spot Booking Contact Prof. Saughamitra Ankush 9433310775 8420533186	
<b>20th Jan, 2019</b>		<ul style="list-style-type: none"> <li>★ CASH PRIZES</li> <li>★ DIGITALLY TIMED RACE</li> <li>★ FINISHERS'S MEDAL</li> <li>★ FREE T-SHIRTS</li> <li>★ CERTIFICATES FOR ALL</li> </ul>			
In association with 	Timing Partner 	Registration Partner 	Community Partner 	Supported by 	Medical Partner 
Sponsors : 					

The IEM – UEM Kolkata Marathon 2019 was organized in association with The Telegraph, and 91.9 friends fm as the Radio Partner, North City Hospital as the health partner, Gokul Shree as the food partner, India Running as the payment partner and Timing Technologies India as the timing partner providing personalized timings for each runner. After two successful inaugural impressions, the IEM – UEM Kolkata Marathon was much bigger, better and more grand with increased number of participants and unlike other marathons organized by groups of professional, the IEM – UEM Kolkata Marathon was organized by few college professors, a team of graduating students.

Drivers 4 Me, HookOn, IDBI Bank, ICICI Bank, Reliance General Insurance, Eureka Forbes, Coca Cola, and Millie's sponsored us as well to make this event successful.

The Salt Lake Runners Club and many other runners' clubs played a vital role in the success of the event.



City Centre 1 seemed like a wave of white foam as the packed crowd of runners was spread over a large distance, costumed in the official white T-shirt. From children to novice to experts, everyone found a place in the IEM – UEM Kolkata Marathon. The experienced and the physically trained took part in the half marathon, whereas those trying to gradually match up took part in the 10k timed run, and others who were beginning to get into the good habit tried out the 5k fun run. The 5k senior citizen run was also organized to motivate senior citizens to keep up with good health. The winners of each category is given as follows:



## Activities Beyond Curriculum

HALF MARATHON 10K 5K

Results are Provisional and are Subjected to Change

### TOP 3 : HALF MARATHON MEN

BIB	NAME	CHIP TIME
21116	Sk Mozammel Hossain	01:15:01
21014	Bhola Iwaaan Thakur	01:17:14
21092	Romonus Guria	01:28:24

### TOP 3 : HALF MARATHON WOMEN

BIB	NAME	CHIP TIME
21123	Nitu Singh	01:35:02
21124	Sabina Khatun	01:40:37
21110	Basanti Ghosh	01:42:13

HALF MARATHON 10K 5K

Results are Provisional and are Subjected to Change

### TOP 3 : 10K MEN

BIB	NAME	CHIP TIME
10023	Puran Rai	00:34:16
10304	Hasanar Zaman	00:34:37
10314	Basiruddin Mondal	00:34:59

### TOP 3 : 10K WOMEN

BIB	NAME	CHIP TIME
10305	Pratima Tudu	00:45:32
10299	Sanghmitra Mahata	00:45:35
10180	Sonal Paul	00:50:42

HALF MARATHON 10K 5K

Results are Provisional and are Subjected to Change

### TOP 3 : 5K – OPEN MEN

BIB	NAME	CHIP TIME
5544	Md Shakil	00:15:15
5550	Sahinur Molla	00:16:26
5041	Suprobhat Mahapatra	00:16:48

### TOP 3 : 5K – OPEN WOMEN

BIB	NAME	CHIP TIME
5545	Shipra Sarkar	00:19:10
5547	Munni Begam	00:19:26
5576	Tushi Mali	00:20:25

HALF MARATHON 10K 5K

Results are Provisional and are Subjected to Change

### TOP 3 : 5K – SENIOR CITIZEN MEN

BIB	NAME	CHIP TIME
SR002	Sadananda Halder	00:23:42
SR003	Krishnendu Roy	00:25:15
SR005	Arun Singh	00:25:48

### TOP 3 : 5K – SENIOR CITIZEN WOMEN

BIB	NAME	CHIP TIME
5395	Veenu Jha	00:45:32

### t2 on Sunday

SOOKE The Telegraph 16 DECEMBER 2018 23

an excellent job of insulating passengers from bad and broken surfaces although it's sprung on the stiffer side. This is where one feels the goodness of the 17" wheels and the 210mm ground clearance. It even soaked up a few unmarked bumps quite easily.

The grip in general is good and the car is stable even under a few quick direction changes that may be needed in avoidance manoeuvres. Let's put it this way, one will have to do something very stupid for it to go out of control. Under emergency braking at high speed, it tracks straight and true. So it does inspire a fair bit of confidence in the driver.

In the city it's easy to manoeuvre. Driving isn't a problem as visibility is



Surround view, where one gets a top angle of the car, is a first in this segment

decent if one uses the mirrors and other aids. Nissan has equipped the Kicks with a first-in-segment surround view system with four cameras creating a picture of the surroundings of the car that's projected on the touchscreen. That makes placing the car on the road and parking it a complete breeze, particularly since with this one can avoid the obstructions of low height that one tends to bump into.

The diesel, expectedly is the punchier one to drive and does higher speeds more easily. The petrol might be better where one is staying more in lower speeds.

#### The Final Call

The Nissan Kicks is an all round competent product that conveys a sense of

quality and style. The two engines on offer are proven units that will do the job of hauling this SUV around without stuttering in any foreseeable situation.

As expected, Nissan has loaded the Kicks with the capability to connect with not only mobile phones but even smart watches, the latter being novel in this segment at least. There are enough USB, auxiliary and 12V sockets all around. Safety features are standard too.

With sporty and chunky looks and a good all-round package, the Kicks make a strong case for itself as a vehicle one would like to own. Nissan has got it right. Now it has to do the same with the tag.

*Text and pictures: Abhijit Mitra*



## Institute of Engineering & Management

## University of Engineering & Management

# IEM-UEM Kolkata Marathon



**City Centre 1, Salt Lake**

For cash (offline) registration contact IEM 'GURUKUL', Campus, College More

**RUN FOR EDUCATION**

[www.uem.edu.in](http://www.uem.edu.in)

Register within 30th Dec, 2018

For spot Booking Contact

Prof. Sanghamitra Ankush  
**9433310775 8420533186**

## 20th Jan, 2019

**In association with**

**Timing Partner**

**Registration Partner**

**Community Partner**

**Supported by**

**Medical Partner**

**Sponsors :**

ICICI Bank

HCCORIN

- ★ CASH PRIZES
- ★ DIGITALLY TIMED RACE
- ★ FINISHERS'S MEDAL
- ★ FREE T-SHIRTS
- ★ CERTIFICATES FOR ALL

### IEMPACT 2019

The Institute of Engineering and Management (IEM) was the place to be on the 26th and 27th of January 2019, as it organized its Annual Cultural Fest – IEMPACT’19. On the 26th it was Indian Classical and it was held at the IEM Gurukul Campus. The theme was ethnic on that day. The day started with an instrumental performance and then it was followed by the events Rabindra Sangeet and Eastern Classical, Indian Classical Dance Competition. The futsal tournament was arranged which attracted a huge crowd. On the second day the theme was bollywood and western and it was held at the IEM, Management House Campus. It began with the Student’s award ceremony, which like always made it a point to felicitate the marvelous achievements by students and the hard-work, sincerity, dedication and support put in by professors to nurture the students in the right direction. It was followed by Bollywood music, quizzard, one-minute to fame, crossroads, millimeter, food festival, rangoli and step-up.



### Sports Day 2019

Institute of Engineering and Management has always had a robust zeal and infrastructure towards the health and fitness towards the students, of the many sports events that are organised, an Annual Athletic Meet is what takes the limelight. On the 3rd of February the Annual Athletic Meet of

IEM was held with great exuberance and passion, students form both IEM and UEM participated in the event.

The event started off at around with grand march past at 9:30 am in the morning with enthusiasts sportsmen and women warming up at the field of SAI Complex. The trial for the various track events were the first to take place, followed by the long jump event for both men and women.

The finals for 100 metres, 200 metres, 400 meters and the relay race took place next in the line up for men and 50 metre, 100 metre, 200 metre and relay race for women respectively. It had an overwhelmingly equal number of participation from both the genders.



### STUDENT AWARDS

<b>DR. SUDARSHAN CHAKRABORTY AWARD FOR BEST STUDENT PERFORMANCE</b>	<ol style="list-style-type: none"> <li>1. ABHIRUP SENGUPTA (EEE)</li> <li>2. DIPANJAN MITRA (CSE)</li> <li>3. DEVLEENA LAHIRI (IT)</li> </ol>
<b>DIRECTOR'S AWARD FOR BEST SCIENTIFIC MIND</b>	<ol style="list-style-type: none"> <li>1. TAPABRATA MUKHERJEE ( IT)</li> <li>2. SAYANTAN NANDY (CSE)</li> <li>3. NITISH SINGH (EEE)</li> </ol>
<b>DIRECTORS AWARD FOR TECHNO WIZ</b>	<ol style="list-style-type: none"> <li>1. SUBHADIP HAZRA (ECE)</li> <li>2. ARNAB MONDAL (CSE)</li> <li>3. AMRITAYAN BANERJEE (IT)</li> </ol>
<b>DIRECTORS AWARD FOR OVERALL STUDENT PERFORMANCE</b>	<ol style="list-style-type: none"> <li>1. ANKUSH RAJ (CSE)</li> <li>2. PAYEL SAHA (CSE)</li> <li>3. DEBOSHMAN DUTTA (ECE)</li> <li>4. DEBPRIYO PAUL (CSE)</li> <li>5. AHANA DAS (ECE)</li> <li>6. ARNAB MUKHERJEE (ECE)</li> <li>7. NABHONEIL CHATTOPADHYAY (CSE)</li> <li>8. MD.SAKIB RAHI</li> </ol>
<b>DR. SUDARSHAN CHAKRABORTY AWARD FOR BEST STUDENT PERFORMANCE</b>	<ol style="list-style-type: none"> <li>1. ABHIRUP SENGUPTA (EEE)</li> <li>2. DIPANJAN MITRA (CSE)</li> <li>3. DEVLEENA LAHIRI (IT)</li> </ol>
<b>DIRECTOR'S AWARD FOR BEST SCIENTIFIC MIND</b>	<ol style="list-style-type: none"> <li>1. TAPABRATA MUKHERJEE ( IT)</li> <li>2. SAYANTAN NANDY (CSE)</li> <li>3. NITISH SINGH (EEE)</li> </ol>
<b>DIRECTORS AWARD FOR TECHNO WIZ</b>	<ol style="list-style-type: none"> <li>1. SUBHADIP HAZRA (ECE)</li> <li>2. ARNAB MONDAL (CSE)</li> <li>3. AMRITAYAN BANERJEE (IT)</li> </ol>
<b>DIRECTORS AWARD FOR OVERALL STUDENT PERFORMANCE</b>	<ol style="list-style-type: none"> <li>1. ANKUSH RAJ (CSE)</li> <li>2. PAYEL SAHA (CSE)</li> <li>3. DEBOSHMAN DUTTA (ECE)</li> <li>4. DEBPRIYO PAUL (CSE)</li> <li>5. AHANA DAS (ECE)</li> <li>6. ARNAB MUKHERJEE (ECE)</li> <li>7. NABHONEIL CHATTOPADHYAY (CSE)</li> <li>8. MD.SAKIB RAHI</li> </ol>

	<ol style="list-style-type: none"> <li>9. AYUSH DARUKA (IT)</li> <li>10. ANUSHKA SAHA (IT)</li> <li>11. RUPKATHA BASU (ECE)</li> <li>12. RITAM DE (ECE)</li> <li>13. SAYANTAN MITRA (ECE)</li> <li>14. MEGHNA SAHA (ME)</li> <li>15. GOURAB SAHA (ECE)</li> <li>16. SAMIK DEY</li> <li>17. AVIK CHAKRABORTY (MBA)</li> <li>18. TULIKA MAJUMDAR (MBA)</li> <li>19. SPANDITA GHOSH (MBA)</li> </ol>
<p><b>DIRECTOR'S AWARD FOR BEST STUDENT CONTRIBUTION</b></p>	<ol style="list-style-type: none"> <li>1. DEBPRIYO PALOI (EE)</li> <li>2. ABHISHEK LAHIRI (ECE)</li> <li>3. SANHITA SAMANTA (ECE)</li> <li>4. RIDDHI LAKHOTIA (EE)</li> <li>5. DEEPAK KUMAR NOWLEKHA (CSE)</li> <li>6. SAMYAK JAIN (CSE)</li> <li>7. CHANDRAMITA BHATTACHARYA (CSE)</li> <li>8. SANDIPAN DAS (EE)</li> <li>9. SUJATA RAY (CSE)</li> <li>10. SOURAV GON (CSE)</li> <li>11. ARUNANGSHU PRAMANIK (CSE)</li> <li>12. TANIA BERA (IT)</li> <li>13. KUMAR ANUBHAV (ECE)</li> <li>14. SIDDHANT KHETAN (CSE)</li> <li>15. ANUKRITIK SHARMA (CSE)</li> <li>16. SHIVESH PANDEY (CSE)</li> <li>17. SATAVISA BERA (ECE)</li> <li>18. SUBHAJIT SINHA (ECE)</li> <li>19. INDRANIL AICH (ECE)</li> <li>20. KOYAL GUPTA (CSE)</li> <li>21. URMI CHAKRABORTY (CSE)</li> <li>22. SREEJITA DUTTA (IT)</li> <li>23. SANJUKTA GHOSH (IT)</li> <li>24. ARUN KEWAT (ECE)</li> <li>25. SANDEEP KUMAR (IT)</li> <li>26. SOUGATA HANRA (ECE)</li> <li>27. SUVAM DAS (ECE)</li> <li>28. SUBHAM AGARWALLA (ECE)</li> <li>29. ASHUTOSH JHA (IT)</li> <li>30. ASHMITA BHOWMICK</li> <li>31. SURUCHI GAGAN (IT)</li> <li>32. PRIYANSHU SHARAN</li> <li>33. SASHIDHAR SINHA (CSE)</li> <li>34. SUBHADEEP JASU (CSE)</li> </ol>



## Activities Beyond Curriculum

35. SUBHANKAR SAHA (CSE)
36. GAURAV JHA (ME)
37. GOUTAM BOSE (CSE)
38. UDIT PRASAD (CSE)
39. SHOUMIK DAS
40. HARISH KUMAR (ECE)
41. NITISH ANAND (CSE)
42. ABU FAZAL (EE)
43. ANGANA CHAKRABORTY (ECE)
44. ARUNI MAJHI
45. MOHIT DOKANIA (EE)
46. ANKIT KUMAR (CSE)
47. RAJIB CHATTERJEE (EE)
48. SOUMIK DEY (EEE)
49. PRATYASHA DAS (EEE)
50. SAURABH TIBREWAL (EEE)
51. SOUMYA KASHYAP (EEE)
52. RECHIK PAL (BCA)
53. DEBADITYA MONDAL (BCA)
54. KRISHNASIS MANDAL (BCA)
55. BANANI SAHA (BCA)
56. RHEA BONNERJI (BCA)
57. SIMANTA SARKAR (BCA)
58. SAKSHI KALBALIA (BCA)
59. SPANDAN KUMAR DAS (BCA)
60. GENNIA SOOR (BCA)
61. SURABHI SAMADDAR (BCA)
62. DIGANTA DAS (BCA)
63. PRIYANKA BHOL (BCA)
64. ROHIT PAL (BCA)
65. SAYANI DUTTA (BBA)
66. SHOURYA MONDAL (BBA)
67. BIKASH MAITY (BBA)
68. MOUMITA SAHA (BBA)
69. SAMYAJIT MUKHERJEE (MSC)
70. DIPSA GANGULY (MSC)
71. DEBASMITA MAITRA (MBA)
72. SREEJITA BASU (PGDM)
73. SUMEDHA MAZUMDAR (PGDM)
74. ANKIT HALDER (PGDM)

### IEM PRESIDENT'S AWARDS FOR ACADEMIC EXCELLENCE

#### CSE :

2<sup>ND</sup> YEAR - SAYAN CHAUDHURI  
3<sup>RD</sup> YEAR - ATTRI GHOSAL  
4<sup>TH</sup> YEAR - SRIMOYEE BHATTACHARYYA

#### ECE :

2<sup>ND</sup> YEAR - SUBHAM KUNDU  
3<sup>RD</sup> YEAR - NAOMI MALLIK  
4<sup>TH</sup> YEAR - SHASWATA CHATTERJEE

#### IT :

2<sup>ND</sup> YEAR - SOURAV SAHA  
3<sup>RD</sup> YEAR - AYAN DEBNATH  
4<sup>TH</sup> YEAR - AYUSH DARUKA



#### ME :

2<sup>ND</sup> YEAR - VIVEK KUMAR  
3<sup>RD</sup> YEAR - HARSH K SHAH/ RK KARTHICK  
4<sup>TH</sup> YEAR - MADHAV KASHYAP/SAURAV KUMAR

#### EE :

2<sup>ND</sup> YEAR - KOUSTAV MAN  
3<sup>RD</sup> YEAR - SAGNIK GHOSH  
4<sup>TH</sup> YEAR - RIYA BHATTACHARJEE



#### EEE :

2<sup>ND</sup> YEAR - ROHAN LAHA  
3<sup>RD</sup> YEAR - PRABHAT SHANKAR  
4<sup>TH</sup> YEAR - MOHIT DOKANIA

#### BCA :

2<sup>ND</sup> YEAR - SANJUKTA SARKAR/BHUWAN AGARWAL  
3<sup>RD</sup> YEAR - ESHANEE NANDI

#### BBA :

2<sup>ND</sup> YEAR - MEDHA DAS  
3<sup>RD</sup> YEAR - RUPSA SAHA/SRABANA CHANDRA

#### MBA :

PRATIK HAZRA

#### PGDM :

PRITAM SAHA



