



INSTITUTE OF ENGINEERING & MANAGEMENT
SALT LAKE, KOLKATA



HRDC

Human Resource Development Centre

In this issue

Vol. 2 | Issue 1 | January 2019

Institute of Engineering & Management
 Sector V, Salt Lake Electronics Complex, Kolkata 700 091, WB, INDIA
 Phone No.: (033)- 2357-2969 | 2059 | 2995, Fax : 91-3-23578302
 Email: hrdc@iemcal.com, Website: www.iem.edu.

Recruitment

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I am happy to launch the third issue of the HRDC magazine of IEM. This issue covers the events conducted and attended by faculty members from IEM during July and November 2018. We have shared the various faculty recruitment drives at different reputed institutions as well as FDPs held at our institute. It will serve as a tool to keep everyone updated about the HRDC activities of IEM.

Prof Dr. Mohuya Chakraborty

Editors

Prof. Dhriti Barua

Prof. Kajari Sur

Recruitment



The Faculty Recruitment drive initiated by the IEM-UEM Group as recruiters was organized at various reputed Institutions for appointment of faculty members. We received good response from the Institutions and we hope that the stringent screening and interview process will yield good results. A written test was conducted for the first round; selected candidates were called for the personal interview round followed by a demo class and HR round. Interview panels consisted of senior and experienced faculty members from different departments with the hope of bringing in the best in terms of technical knowledge and hands-on experience. The domain for which the drive was conducted included Engineering subjects, Physics and Mathematics. The details of the recruitment drive are as follows:

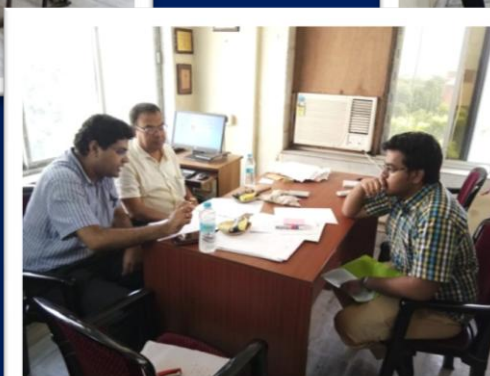
IIT Kharagpur

The recruitment drive had taken place in IIT Kharagpur, on 10th and 11th December, 2018. 11 candidates were selected out of 50.



Calcutta University, Saltlake Campus

The recruitment drive had taken place in IIT Kharagpur, on 18th and 19th September, 2018. 6 candidates were selected out of 189.



IEST, Shibpur

The recruitment drive had taken place in IIT Kharagpur, on 28th and 29th August, 2018. 8 candidates were selected out of 117.



Training Program And Other activities



Department of Information Technology

I. Faculty Development Program:

Prof. Dr. Mohuya Chakraborty, attended the **AICTE UKIERI Technical Leadership Development Programme** held from 19-Nov to 22-Nov, 2018 at New Delhi.



Department of Information Technology

Prof. Dr. Baisakhi Das attended a one week Faculty Development Program on **Blockchain Technology** organized by Electronics and ICT Academy, National Institute of Technology (NIT), Patna, under Ministry of Electronics and Information Technology (MeitY), Govt. of India in collaboration with Department of Information Technology, Techno India, from 30-Oct to 03-Nov, 2018.

Prof. Swagatam Basu, Prof. Dr. Satyasaran Changdar, Prof. Subindu Saha attended an Faculty Development program on **Programming using Python** from 27th June, 2018 to 3rd July, 2018

Prof. Arup Kr. Chattopadhyay, Prof. Swagatam Basu, Prof. Sudipta Paul, Prof. Subindu Saha attended an FDP on **Machine Learning** from 18th – 21st August, 2018

All IT Faculty members attended an FDP, conducted by Dr. Mohuya Chakraborty, on Participatory Learning & Flipped Classroom from 26th June to 3rd July, 2018.

All IT Faculty members attended an FDP, conducted by Dr. Mohuya Chakraborty, on Intel® Scalable Platform (Purley) on 30th November, 2018.

Prof. Arup Kumar Chattopadhyay participated in the NPTEL course on **Introduction to Internet of Things** (conducted by IIT Kharagpur) in Jul-Oct 2018 session and passed the examination with 92% marks (top 1%).

Prof. Arup Kumar Chattopadhyay and **Prof. Swagatam Basu** participated in NPTEL course on **Blockchain Architecture Design and Use Cases** (conducted by IIT Kharagpur) in Jul - Oct 2018 session and passed the examination with 71% and 74% marks respectively.

Prof. Paramita Mitra completed **12 weeks NPTEL online certification course on IOT**.

Prof. Shreyasi Datta participated in **NPTEL courses on Introduction to Literary Theory, Introduction to Cultural Studies, Introduction to Literary Theory, and Introduction to Cultural Studies** (conducted by IIT Kanpur, Madras, Kharagpur respectively) in Jul - Oct 2018 session.

Department of Information Technology

II. Workshop

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 27th July 2018.



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



A **workshop on Cryptography** was organized by IT department for the students on 13th October, 2018.

Workshop on IOT using Arduino was organized by **Prof. Avijit Bose** for the students on 31st August - 1st September, 2018.

Workshop on Web and Android Development was organized by **Prof. Avijit Bose** for the students on 3rd -5th October, 2018.

Department of Information Technology

III. Conference:

Prof. Arup Kumar Chattopadhyay presented a paper at IEM Graph 2018 Conference on 5th - 6th September, 2018.

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



Department of Information Technology

IV. Distinguished Lecture Series:

Anisha Halder Saha from **University of Calcutta** delivered a lecture on 25th July, 2018 to the 3rd year IT students and teachers.

Dr. Bharat Gupta, Senior IEEE member from **NIT, Patna** delivered his lecture on 31st July, 2018 to the 2nd year IT students and teachers.

Dr. Pratyusha Rakshit from **Jadavpur University** delivered a lecture on 7th August, 2018 to the 3rd year IT students and teachers.

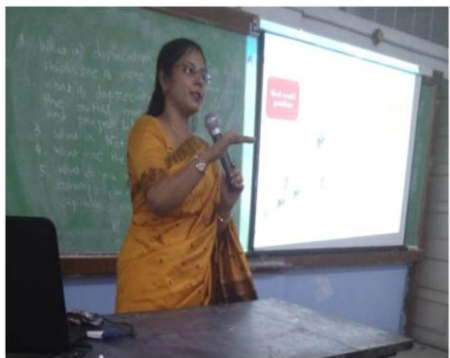
Dr. Sriparna Saha from **MAKAUT** gave a talk on 8th August, 2018 to the 2nd year IT students and teachers.

Mr. Parthajit Dholey from **Hackiuex** addressed the 2nd year IT students and interested teachers on 9th October, 2018.

Shri Sanjay Kumar Choudhury, Joint Director, CDAC gave his lecture on 24th July, 2018 to all CSI student members, other interested students & teachers of IEM

Shri Debasis Mazumder, Joint Director, CDAC gave his lecture on 16th August, 2018 and 27th September, 2018 to all CSI student members, other interested students & teachers of IEM

Department of Information Technology



Dr. Pratyusha Rakshit, IEEE CIS Member, from Jadavpur University



Dr. Bharat Gupta, Senior Member of IEEE, from NIT Patna



Dr. Sriparna Saha from MAKAT



Department of Information Technology

V. Seminar:

Prof. Arup Kumar Chattopadhyay and **Prof. Swagatam Basu** attended the **National Cyber Security Summit**, organized by Computer Society of India, Kolkata Chapter on 6th October, 2018.

All faculty of IT department attended the seminar on **Research using IEEEExplore Digital Library** on 25th July, 2018

VI. Other activity:

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

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



Department of Electronics and Communication Engineering

I. Faculty Development Programs

An FDP was conducted by department of Electronics & Communication Engineering from 2nd August, 2018 - 8th August, 2018. Prof. Amitava Patra, from the Indian Association for the Cultivation of Science delivered a 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 delivered a lecture on **Organic Semiconductors to Organic Electronics** on 7th August, 2018.

Prof Ajit Pal from IIT Kharagpur delivered a speech on **Low Power VLSI**.

VENUE

Seminar Auditorium

DATE

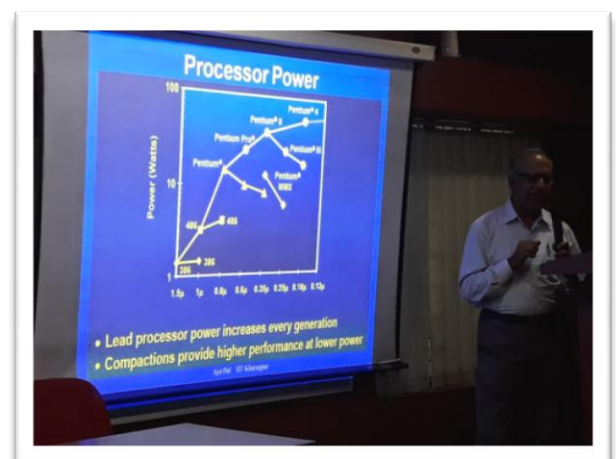
2nd August - 8th August, 2018

TARGET AUDIENCE

Faculty members of ECE Department



Prof. Amitava Patra, from Indian Association for the Cultivation of Science presenting his lecture



Prof Ajit Pal from IIT, Kharagpur delivering his speech

Department of Electronics and Communication Engineering

II. Seminars & Distinguished Lecture Series

VENUE

Seminar Auditorium

DATE

12th July, 2018

TARGET AUDIENCE

Faculty members and
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**.



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

VENUE

Seminar Auditorium

DATE

28th July, 2018

TARGET AUDIENCE

Faculty members and
Students of ECE Department

Department of Electronics and Communication Engineering

VENUE

Seminar Auditorium

DATE

3rd November, 2018

TARGET AUDIENCE

Faculty members and
Students of ECE Department



Dr. Angshuman Sarkar, Chairman, IEEE EDS, Kolkata Chapter delivered a talk on **Basic Electronic Devices**.



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

3rd November, 2018

TARGET AUDIENCE

Faculty members and
Students of ECE Department

Department of Electronics and Communication Engineering

VENUE

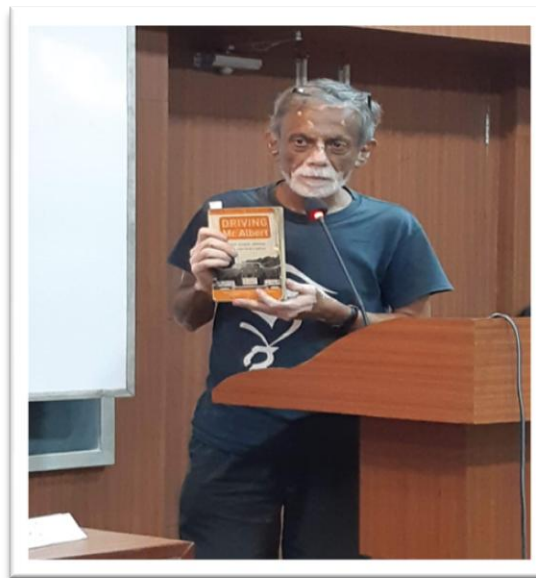
Seminar Auditorium

DATE

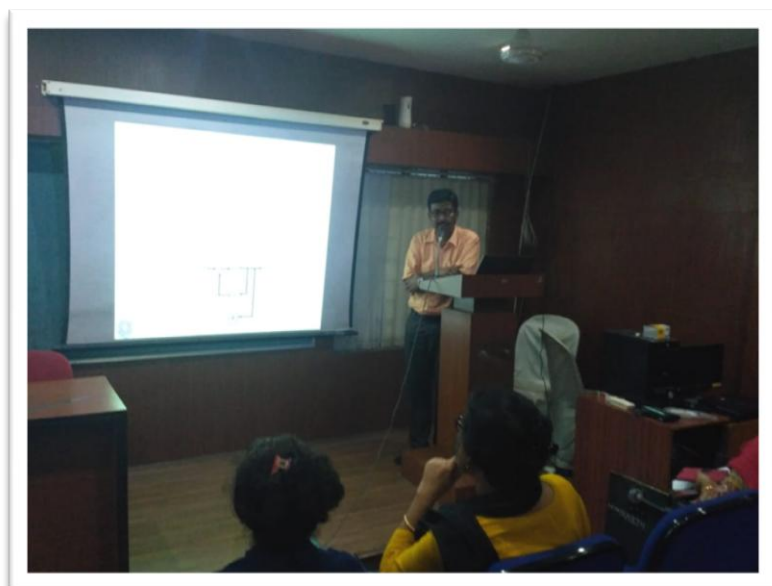
15th September, 2018

TARGET AUDIENCE

Faculty members and
Students of ECE Department



Prof. Gautam Basu, from The Bose Institute delivered a motivational speech to the students and faculty members on **Biography of Dr. S.N.Bose**.



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

VENUE

Seminar Auditorium

DATE

8th August, 2018

TARGET AUDIENCE

Faculty members and
Students of ECE Department

Department of Electronics and Communication Engineering

VENUE

Seminar Auditorium

DATE

17th August, 2018

TARGET AUDIENCE

Faculty members and
Students of ECE Department



Rajat Subhra Chakraborty, IIT Kharagpur delivered a presentation on **Unclonable Integrated Circuits** to the teacher and students.



Prof. Dr. Sanatan Chattopadhyay and **Prof. Dr. Atanu Kundu** were the Guests for the Seminar organized by IEEE EDS Students Chapter. They delivered a lecture on **Electron Devices**.

VENUE

Seminar Auditorium

DATE

4th September, 2018

TARGET AUDIENCE

Faculty members and
Students of ECE Department

Department of Electronics and Communication Engineering

III. Workshop

VENUE

LG 5.11

DATE

11th August, 2018

TARGET AUDIENCE

2nd Year Students of ECE
Department



Hackcieux conducted one day workshop on **Ethical Hacking** for the 2nd Year students of the department.



One day workshop on **Fundamentals of Coding** was conducted on 11th September, 2018 by **Prof. Sumita Ghosh**

VENUE

Seminar Hall

DATE

11th September, 2018

TARGET AUDIENCE

2nd Year Students of ECE
Department

Department of Electronics and Communication Engineering

VENUE

Seminar Hall

DATE

28th July, 2018

TARGET AUDIENCE

2nd Year Students of ECE
Department



One day workshop on **Antenna Technology** was conducted for 2nd Year students of the department by **Prof. Dr. R.K.Gayen**

Department of Electronics and Communication Engineering

IV. Conferences

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, Ei Compindex, 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.

VENUE

University of British Columbia, Canada

DATE

November 1st – 3rd, 2018

TARGET AUDIENCE

Researchers, educators and students

IEMCON 2018



Department of Computer Science and Engineering



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

DATE

24-July, 2018

11:00 AM – 12:30 PM

VENUE

CSE Central Lab

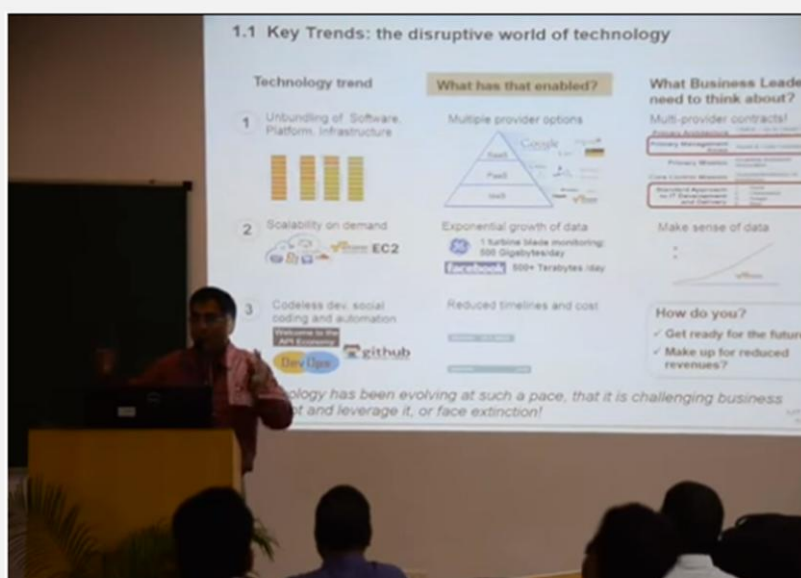
DATE

04-August, 2018

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**.

Department of Computer Science and Engineering



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

11-August, 2018

11:00 AM – 12:30 PM

VENUE

Science Auditorium

DATE

18-August, 2018

11:00 AM – 12:30 PM

VENUE

Science Auditorium



Dr. Soumya Sen, from the University of Calcutta, delivered an in-depth lecture on academic research in the area of **Data Science**.

Department of Computer Science and Engineering



Mr. Sushanta Sengupta, the speaker of this session is working with 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.

DATE

01-September, 2018

11:00 AM – 12:30 PM

VENUE

Science Auditorium

DATE

18th, 20th, 21st
September, 2018



Prof. Andrew Park a renowned Professor from the University of Thompson River, Canada conducted a series of lectures on **Machine Learning**. It started with the basic of Cloud Computing and concluded with its utility in Neural Networks.

VENUE

Science Auditorium



Department of Computer Science and Engineering

Prof. Babak Esfandiari, Professor at the Department of Systems and Computer Engineering at Carleton University in Ottawa, Canada, conducted sessions on **Java** and **Python**.



DATE

28-29 September
04-05 October
2018



VENUE

Management
House, CII
Auditorium



Department of Electrical Engineering

A Workshop on *Introduction to MatLab in Engineering Applications*

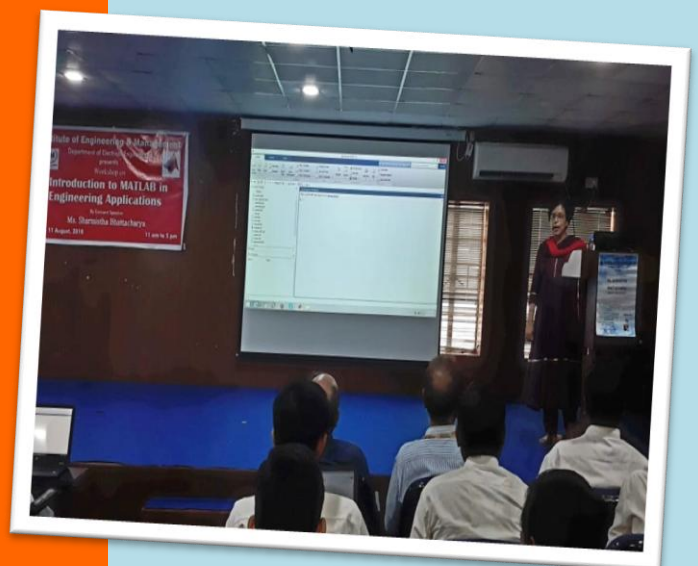
A workshop on 'Introduction to MatLab in Engineering Applications' was arranged by department of Electrical Engineering, Institute of Engineering & Management at Management House, Salt Lake, Sector V, Kolkata 700091 on 10th and 11th August, 2018 under the supervision of Ms. Sharmistha Bhattacharya, Scientist, 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 faculty members participated actively in this hands on training program. The Program began 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 were 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 concluded with a vote of thanks by Prof, Tapas Kumar Datta, H.O.D, Department of Electrical Engineering, Institute of Engineering & Management.

VENUE

CII Auditorium, Management House, I.E.M.

DATE

10th – 11th August, 2018



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

Department of Electrical Engineering

Technology Awareness Program (TAP) on Power Plant Design, Critical Equipments & Operations

By Mr. Dilip Mahapatra

General Manager (Technical), BHEL-PSER, Kolkata

Mr. Dilip Mahapatra, General Manager (Technical), BHEL-PSER, Kolkata, delivered a lecture on Power Plant Design, Critical Equipments & Operations. 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. Various important aspects of Thermal Power Plants such as major components of Thermal Power plants, material flow diagram, installation and commissioning, importance of water treatment and water management were discussed. The session was attended by the students and faculties of Electrical Engineering department.

VENUE

CII Auditorium, Management House, I.E.M.

DATE

19th September, 2018



Mr. Dilip Mahapatra, General Manager (Technical), BHEL-PSER, Kolkata delivering the lecture on Power Plant Design, Critical Equipments & Operations to the students and faculty members of EE Dept.

Department of Electrical Engineering

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 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.

VENUE

Management House, I.E.M.

DATE

27th – 28th September, 2018



Dignitaries on the Dias during the events of Enginious 2018

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), IEI. Various exciting prizes were awarded to the winners of different events and certificates of ENGINEIOUS 2018 mentioning the collaboration with IEI was given to the participants. Overall, the ENGINEIOUS 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 ENGINEIOUS 2019.

Department of Electrical Engineering

A Lecture On A Cursory View Of Capacitive Sensing

By *Prof. Sugata Munshi*

Electrical Engineering Department, Jadavpur University, Kolkata

Capacitive sensing is the most modern measurement technique used in measurement and advance instrumentation field, but unfortunately it is beyond the scope of present academic syllabus. These lectures will help to enrich their knowledge and keep them up to date with the modern technology. Prof. Munshi is a veteran expert in this field. He has published several research papers in the area of capacitive sensing in renowned international and national journals. The lecture was well structured for the understanding of the students and the faculty members stating the principles, types, applications, advantages, disadvantages and scope of research in the area of capacitive sensing.

VENUE

Management House, I.E.M.

DATE

4th October, 2018



Prof. Sugata Munshi giving his lecture on “A Cursory View of Capacitive Sensing” to the students and faculty members of EE Dept.

Department of Electrical & Electronics Engineering

Workshop on Machine Learning

Speaker

Dr. Andrew Park, Associate Professor
Thompson Rivers University, Canada

The main objective of the workshop was 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.

VENUE

I.E.M. Kolkata

DATE

18th – 21st August, 2018



Department of Electrical & Electronics Engineering

Workshop on Java and Its Application

Speaker

Prof. Babak Esfandiari , Professor
Department of Systems and Computer
Engineering at Carleton University in Ottawa,
Canada

The main objective of the workshop was 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++.

VENUE

I.E.M. Kolkata

DATE

4th – 5th September, 2018

28th – 29st September, 2018



Department of Electrical & Electronics Engineering

International Conference "IEEE IEMCON 2018"

General Co-Chairs

- Victor Leung (University of British Columbia)
- Son Vuong (University of British Columbia)
- Satyajit Chakrabarti (Institute of Engineering & Management)

Technical Co-Chairs

- Jenq-Neng Hwang (University Of Washington)
- Uwe Glasser (Simon Fraser University)
- Bob Gill (British Columbia Institute of Technology)
- Himadri Nath Saha (Institute of Engineering & Management)

The Conference aimed to bring together scholars from different disciplinary backgrounds to emphasize dissemination of ongoing research in the fields of Information Technology, Electronics and Mobile Communication. This Conference is 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.

All accepted papers would be presented during the parallel sessions of the Conference and papers will be submitted for publication at IEEE Xplore Digital Library (Scopus, DBLP, Ei Compendex, Web of Science and Google Scholar). In addition, extended versions of selected papers will be considered for publication in a special issue of reputed Journal (Impact Factor 2.62, indexed in Science Citation Index, Scopus, Web of Science)

VENUE

UNIVERSITY OF BRITISH COLUMBIA, Student Nest
6133 University Boulevard
Vancouver, BC V6T Canada

DATE

1st – 3rd November, 2018



Department of Electrical & Electronics Engineering

International Conference "IEEE UEMCON 2018"

General Co-Chairs

- Joseph Finkelstein (ICAHN School Of Medicine At Mount Sinai)
- Son Vuong (University of British Columbia)
- Satyajit Chakrabarti (Institute of Engineering & Management)

Technical Co-Chairs

- Supriyo Bandyopadhyay (Virginia Commonwealth University)
- Phillip Bradford (University of Connecticut)
- Himadri Nath Saha (Institute of Engineering & Management)

The IEEE UEMCON 2018 provides an opportunity for researchers, educators and students to discuss and exchange ideas on issues, trends, and developments in Information Technology, Electronics and Mobile Communication. The conference includes 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 will be submitted for publication at IEEE Xplore Digital Library.

VENUE

Faculty House,
Columbia University
64 Morningside Dr, New York,
NY 10027, USA

DATE

8th – 10th November, 2018



Department of Mechanical Engineering

Technical Sessions



Students of ISHRAE IEM student chapter with Mr. P.K. Sen (speaker), Mr. Utpal Biswas (delegate) and Prof. Gunjan Kumar (Faculty Advisor of ISHRAE IEM)

The technical talk on Cold Chain Technology was based on the basics of cold chain, various processes required Post Harvest of fruits and vegetables, fishes, etc and various techniques that are used in order to achieve extended post harvest life of food.

Venue

IEM Management House

DATE

01-August, 2018

Organised By

ISHRAE IEM Student Chapter

DATE

24-August, 2018

Organised By

ISHRAE IEM Student Chapter



The technical session on “latest trends in modern cold storage construction” was conducted by DGM Lloyd, Mr. A. S. The technical talk was dedicated for the preparation of **Refcold India Global Poster Competition**.

Department of Mechanical Engineering

Date

9th August,
2018



Venue

IEM
Management



A technical session on **Basics Electricals in HVAC Applications** was conducted by ISHRAE Kolkata in collaboration with ISHRAE IEM Student Chapter. The technical in HVAC applications was based on various small areas where improvement was done and yet has a scope of reducing power consumption thereby, increasing the efficiency of the system.

Distinguished Lecture Series



Demonstration of Robot under progress by expert from Vinar Systems

Venue

IEM Management
House

Rajarshi Sengupta & Sayandeep Pathak designated as Eastern India, Sales & Project and Commissioning Engineer from Vinar Systems Pvt Ltd delivered lecture on **Unit Handling System and Applied Robotics**.

Date

5th October, 2018

Department of Mechanical Engineering



A distinguished lecture was given by Dr. Souvick Chatterjee, University of Illinois at Chicago, USA. The topic of talk was **Fluid Mechanics in Action: Case studies - Mosquito Drinking and Engineering Better Diapers.**

Venue

IEM Management House

Date

4th September, 2018

Events and Workshop

A Workshop on SAE India EFFI-CYCLE

A workshop EFFICYCLE 2018 was organized by SAE NIS on 22nd July, 2018, hosted at Institute of Engineering & Management, Kolkata. The renowned speakers included Mr. U. D. Bhangale (ICAT), Mr. Bibhu Kumar, (SAE INDIA), Mr. Jitendra Singh Gaur, (ICAT), Dr. Prashant Kumar (IOCL) and Mr. Bharat Ralhan (Maruti Suzuki). A total of 40 students participated in the workshop from different institutes.

VENUE

Management House, I.E.M.

DATE

22nd July, 2018



Speakers of SAE India EFFI-CYCLE Workshop

Department of Mechanical Engineering

ASME EFX

ASME EFX was organized at Institute of Engineering & Management, under the ASME IEM Student Section. ASME EFX is a global event undertaken in order to launch and organize tech fests at colleges and universities to help students develop engineering and real world skills. IEM ASME EFX was held on 6.10.2018 with over 12 participating institutions in and around West Bengal and over 400 registered candidates.

VENUE
Management
House, I.E.M.

DATE
6th October,
2018



Department of Mechanical Engineering

Enginious 2018

IEI-IEM Students' Chapter, organized 2 day departmental event **Enginious 2018** on 27th & 28th September, 2018.



Inauguration Ceremony of ENGINIOUS 2018



Jr. S M Ali (Director, IEI) was felicitated by Prof. Dr. Satyajit Chakrabarti President, IEM)



Closing of Day - 1 (ENGINIOUS 2018) speech by Faculty Adviser



Closing Ceremony of ENGINIOUS 2018

Department of Basic Sciences & Humanities

International Conference

on

English Learning and Teaching Skills, ICELTS 2018

The Institute of Engineering and Management, Kolkata organised an International Conference on English Learning and Teaching Skills from 26th of July to 28th of July, 2018.

This conference, organised by the Dept. of Basic Science and Humanities in collaboration with Indian Statistical Institute, British Council, Kolkata, and ELT@I, 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.

Professor, Dr. Satyajit Chakrabarti, President, UEM, inaugurated the ceremony with a warm welcome address. He enlightened the audience with several of his personal anecdotes, emphasizing on the fact that "Learning English is not a luxury but a necessity."

He was followed by Mr. Prabal Dasgupta, a renowned academician in his field, HOD of Linguistics Research Unit, ISI, Kolkata. He introduced the idea of computer assisted learning and teaching to the audience present.

Dr. Debanjan Chakrabarti, Director of British Council followed next, he spoke on the assessment details and improvements of testing speaking and listening skills. He explained that lack of communication makes it harder to get employment, how understanding things in depth and finding solutions is the key but communication is of prime importance.

The inaugural Lecture was delivered by Mr. James A. Dragon, Director, American Centre, Kolkata. He has several valuable years of experience imparting education amongst the various stratas of the society. Mr. Dragon drew from personal experiences and shared various stories where he taught English to children in remote villages of India and many others.



Department of Basic Sciences & Humanities

ELT@I CHAPTER, KOLKATA

Dr. G. A. Ghanashyam inaugurated the ELT@I Kolkata Chapter with Convenor Prof. Samapika Das Biswas and her team of English faculty members comprising of Prof. Mousumi Paul, Prof. Mayurakshi Dev, Prof. Rittika Choudhuri, Prof. Riya Barui, and Prof. Sohini Datta. 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.



PLENARY SESSION I

WEBINAR



Amy Lightfoot conducted a webinar on academic strategy and new-world assessment techniques. Her thrust area of discussion was the use of digital platforms for professional development and the monitoring and evaluation of teacher competence and performance.

This webinar was a wonderful way of introducing the e-learning and cloud assessment techniques to faculty and students as through the webinar, it became clear that an audience of over hundred may be controlled remotely.

Department of Basic Sciences & Humanities

PLENARY SESSION II

Dr. Sarani Ghosal's plenary talk was an enlightening session on the incorporation of remote learning methods and inclusion of "suggestopedia" methodology of teaching rather than conventional methods. Dr. Ghosal emphasized on the need for flexible classrooms for creative learning.

PLENARY SESSION III

This plenary session was invigorating in its approach towards novel writing methods for generating newer formats and contents of writings. Dr. Pillai took the audience through a hands-on writing tutorial and explained the dos and don'ts of creative writing. She shared invaluable personal experiences and anecdotes to emphasize on the importance of developing writing skills as an integral part of communication.



PLENARY SESSION IV

This session concentrated on the essentials of a communications course in technological colleges. Dr. Raman touched on the important pedagogic requirements in fostering communication skills, public speaking skills, interview skills, and interpersonal communications.

Department of Basic Sciences & Humanities

VALEDICTORY SESSION



Guests of Honour

Ms. Sujata Sen, CEO, Future Hope Kolkata

Edward Gorst, Newcastle University, UK

Robert Schumacker, Associate Professor, CSE,
University of Texas Taylor

Professor, Dr. Satyajit Chakraborty, Director, IEM,
Kolkata

Professor, Dr. A. K. Nayak, Principal, IEM

The Valedictory Session saw the prize giving ceremony and the appreciation presentation to the delegates and the organizing committee of the conference.

Ms. Sujata Sen started the session with a poignant note on the commonwealth nations' need to take up language studies and translation studies seriously in order to become a world class competition in the global village.

Mr. Edward Gorst followed up with his personal notes on the plight of teaching second language English to underprivileged children without proper technological support.

The valedictory session was followed by the giving away of the Best Session Paper Award, the Best Poster (Paper) Award, and the Best Overall Paper Award.

This was followed by giving away of Appreciation Awards to the faculty organizing team members, and student committee members



Department of Basic Sciences & Humanities

Faculty Development Program (FDP)

On

PYTHON Basics

A Faculty Development Program was conducted by Computer Science faculty members of BSH, IEM Management House from 27th June to 3rd July, 2018. A basic knowledge of PYTHON programming along with hands on training was given to the participants. An exam was taken on the last day of FDP.



Workshop



Intercultural Communication was conducted by Dr. Sampa Chatterjee, ELT Specialist, Teacher Trainer, Ex Director of Institute of English Calcutta on 28th July, CII auditorium, Management house.

This workshop was an experience in innovative Language learning methods. Dr. Chatterjee explained and demonstrated the value of involving different arts and different human senses in the process of language learning. The people present were first taught to "listen" to an evocative song to set the mood and then taught to "read" a poem and analyze it in the light of the music. It proved to be an excellent exercise in language learning techniques.

Department of Basic Sciences & Humanities

Student Workshop

Writing is Fun was conducted by Ms. Ruchi Jain, Academic Manager, British Council, Kolkata On 28.07.18 in Room No 3.5 (Language lab). The students were introduced to nascent pedagogic methods of story building and writing. She helped to instill importance of teamwork amongst the students by giving team challenges, and encouraged group discussions. All the students were expected to write either a short story or a non fictional piece as part of the workshop.



Distinguished Lecture Series

A series of distinguished lectures was organized by BSH. The lectures were attended by faculty members and 1st year B.Tech students.

On 2nd August, 2018 Ms. Nilanjana Mukherjee from CWC of ISHRAE Kolkata delivered a lecture

On 2nd August, 2018 Mr. Santanu Goswami, Director SAP, Management Division delivered a lecture

On 7th August, 2018 Dr. Supriyo Bandopadhyay from Virginia Commonwealth University delivered a lecture

On 10th August, 2018 Mr. Nadeem Kazim, CHRO, Tractors India Ltd. delivered a lecture

On 7th September, 2018 Dr. Saikat Maitra, Vice Chancellor, MAKAUT delivered a lecture



Department of Basic Sciences & Humanities

One Day Seminar

On

Relevance of Chemistry in Engineering

Dr. Arnab Halder from Presidency University and Mr. Swarup Dutta, Senior Scientist from Chembiotech were the two distinguished speakers who addressed the first year students of B.Tech, 2018. They discussed how Chemistry has evolved from the era of the alchemist to the modern world of Nanotechnology. How engineers adopt the knowledge of chemistry in Industry, was well discussed by Mr Swarup Dutta.



VENUE
Management
House, I.E.M.

DATE
8th September, 2018



One Day Seminar

On

Astronomy and Astrophysics

A One Day Seminar on "Astronomy and Astrophysics" took place as part of Induction Program where Dr. Debiprasad Duari, Director, Birla Planetarium delivered a lecture on Space and Time research.

His lecture was invigorating and greatly inspiring for the students. He also told them of the various research carried on at the Birla Institute of Scientific Research and encouraged them to go in for further academic education.



Department of Basic Sciences & Humanities

One Day Seminar

On

Current Trends in Physics

This seminar was organised by Dept. of Basic Science and Humanities, IEM on 29th September, 2018 at Management House, IEM. Speakers:

1. Prof. Debatosh Guha, University of Calcutta
2. Prof. Narayan Banerjee, IISER, Kolkata
3. Prof. Priya Mahadevan, S.N.Bose Centre for National Sciences.



Department of Basic Sciences & Humanities

Engineers' Day Celebration on 15th September, 2018

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

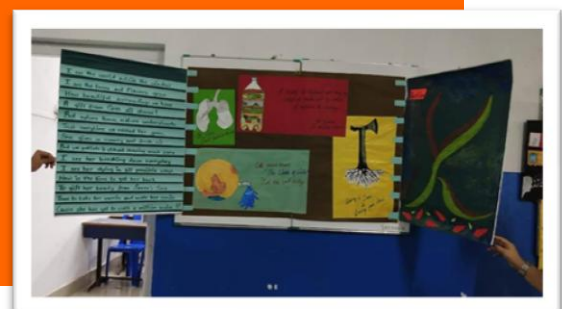
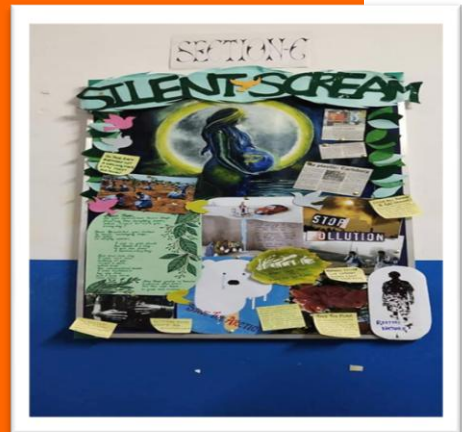
1. Prof. Asis Mazumdar, Jadavpur University, Director, School of Water Resource Engineering.
2. Prof. Bhabatosh Chanda, Professor, Electronics and Communication, ISI, Kolkata
3. Dr. Jishnu Basu, Senior Scientist, Saha Institute of Nuclear Physics



Extracurricular Activities



Excellent Wall Bulletin created by IEM B.Tech 1st year students on the occasion of Wall Bulletin Exhibition & Competition on "Save Earth & Save Life" organized by Dept. of BSH on 12th October, 2018 at Management House, IEM



Department of Masters in Business Management

I. Faculty Development Program

Prof. Dr. Indraneel Mukhopadhyay attended a Faculty Development Program on **Introduction to Entrepreneurship** 10th July -15th July 2018, organized by Wadwani Foundation.

Prof. Saptaparna Ghosh attended a Faculty Development Program on **Introduction to Entrepreneurship** 30th July -7th August 2018, organized by Wadwani Foundation.

Prof. Arundhuti Ray, Prof. Dr. Prasenjit Kundu, Prof. Sohini Datta, Prof. Kaushik Ganguly, Prof. Ashimava Bhowmick Saha, Prof. Anuradha Saha, Prof. Indrani Ganguly and Prof. Dr. Trishit Bandyopadhyay participated in a Faculty Development Program on **Machine Learning and Visual Analytics** by Professor Dr. Andrew Park which was organized by Institute of Engineering & Management from 18th August to 21st August 2018.

Prof. Niloy Sarkar participated in a Faculty Development Program on **Fundamental Analysis, Modeling & Equity Valuation**, during 26th May – 30th June 2018, organized by National Stock Exchange Academy, Kolkata

Prof. Anuradha Saha attended a Faculty Development Program on **Enhance your Research Accumen** on 12th June -13th June 2018, organized by Globsyn Business School.

II. Seminar Organized

Department of Management organized a seminar on **Culture, Conflict and Communication - A Industry-Academia Interface** on 7th July 2018

Management Department had organized a seminar on **CMA - Digital India Power to Empower** on 17th September 2018

Department of Masters in Business Management

III. Workshops attended

Prof Saptaparna Ghosh

attended a workshop on CRAFTING AND CONDUCTING RESEARCH AND HOW TO PUBLISH on 6th October 2018, organized by St Xavier's College (Autonomous).

Prof Anuradha Saha

attended a workshop on CRAFTING AND CONDUCTING RESEARCH AND HOW TO PUBLISH on 6th October 2018, organized by St Xaviers College (Autonomous).

Prof. Dr. Indraneel

Mukhopadhyay had attended a workshop on TECHNICAL LEADERSHIP DEVELOPMENT PROGRAMME, from 19th - 22nd November 2018, organized by AICTE - UKERI

IV. Conferences attended

Prof. Dr. Indraneel Mukhopadhyay

contributed an article on "Spectrum and Analysis of various socio cultural themes leading to non-adherence of antitubercular treatment in an Indian clinical setup" at Sustainable development and value based perspective (SDVP-18), MDI Murshidabad, September 2018.

Prof. Dr. Indraneel Mukhopadhyay

attended International Conference on Urban Health (ICUH2018) in Kampala, Uganda on "Sentiment Analysis: An Emerging Tool For Higher Levels Of Patient Satisfaction And Diminishing Provider-Acceptor Healthcare Conflicts".

Department of Masters in Business Management

V. Publication Details

An article entitled *Disruptive technology and disruptive innovation: ignore at your peril* by **Prof. P.K. Banerji** in *Science Journal of Business Management, Technology Analysis and Strategic Management*, a publication of the Taylor & Francis Group, Conference special issue

An article was published on *Motives to Work as a Principle Determinant of Developmental Disparity in Survey*, 2018 by **Prof. Writaparna Mukherjee**, vol. 57, pp 44 - 51

An article was published on *Motives to Work as a Principle Determinant of Developmental Disparity in Survey*, 2018 by **Prof. Sourav Banerjee**, vol.57, pp 44 - 51

An article was published on *Business Strategies and Competitive Intelligence – An Analysis in Survey*, 2018 by **Prof. Anuradha Saha**, vol. 57 pp 52 - 60

Prof. Dr. Indraneel Mukhopadhyay has a published article entitled *Conflict Management in Healthcare Sector: - In Indian Scenario in International Journal of Education and Management Studies*, pp 153 - 161



Department of Business Administration

Faculty Development Programme (FDP) on Contemporary Approaches in Research & Education (CARE), 2018

OBJECTIVE

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



Dr. Deepankar Sinha with participants

RESOURCE PERSONS

Professor Dipankar Coondoo, Former Professor of Economics, Indian Statistical Institute (ISI), Kolkata

Dr. Dipankar Sinha, Associate Professor, Indian Institute of Foreign Trade (IIFT), Kolkata.

Mr. Saikat Chakrabarti, Assistant Professor, Institute of Engineering & Management (IEM), Kolkata.

Dr. Debdulal Dutta, Assistant Professor of Psychology, Psychology Research Unit, Indian Statistical Institute (ISI), Kolkata

Dr. Shamindra Nath Sanyal, Professor, Institute of Engineering & Management (IEM), Kolkata.

Department of Business Administration

Faculty Development Programme (FDP)
on
Contemporary Approaches in Research & Education (CARE), 2018

TARGET AUDIENCE

Faculty Members and Research scholars
in the area of Management, Commerce,
Social Sciences and related fields

PROGRAMME CONVENERS

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



Dr. Deepankar Sinha during his
presentation



The Core team with some of the
participants



Dr. Debdulal Dutta Roy with participants

Department of Computer Application

On 12th October 2018, **Mr. Suman Chakraborty**, Alumni of 2018 pass out batch, currently working in Wipro Technologies, interacted with BCA first semester students.



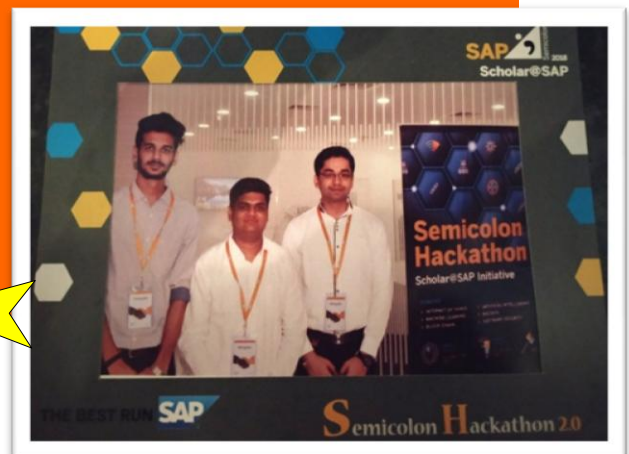
On 25th September 2018, BCA first year students of IEM participated in a One Day Workshop on Data Analytics with SAS (SAS language is a computer programming language used for statistical analysis)

Mr. Ayush Paul, BCA alumni of 2018 passout Batch, who is working at Deloitte, Hyderabad, had interacted with BCA first year students and shared his experience.



Department of Computer Application

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. They were highly appreciated by SAP Labs.



Mr. Anirban Biswas, Technical Delivery Manager, IBM interacted with BCA 2nd year students on 25.08.2018 as a part of Industry - Academia Bridge Programme.



Mr. Debraj Chatterjee, Manager, Capgemini interacted with BCA 3rd year students about Machine Learning, IOT on 11th August, 2018. Regular such 'Industry interaction sessions are being organized to give current state of the technology overview to our students.

Department of Computer Application



Mr. Debajit Sarkar, a renowned Life Coach, interacted with BCA 1st year students. Debajit is a high-spirited individual, who never gave up hope overcoming all the challenges life tested him with. Having diverse experience in different professional roles in multiple corporates over many years and also with his unique personal approach as Life Skill Coach, Motivational Speaker, Personal Grooming, Relationship & Body Language Coach, Debajit founded Life Coaching Institute LLP to make a difference to many more lives.

BCA Orientation Program : 28th July 2018:

Lt Colonel Kaushik Sircar (Retd) is an Alumni of National Defence Academy, Pune, Indian Military Academy Dehradun and Defence Services Staff College, Wellington, Nilgiris interacted with BCA students. He is an M.Sc. in Defence and Strategic Analysis from Madras University and an MBA from Symbiosis, Pune.

He was commissioned in 7th Battalion The Assam regiment, Infantry, at Srilanka in Dec 1987 and took premature retirement in 2008. In the long 20 years with the Indian Army he has served in varied terrain and areas to include Op Vijay Kargil. He had also served the Elite Black cat Commando National Security Guards in the Counter Hijack outfit of the country.



Lt Colonel Kaushik Sircar (Retd) is interacting with BCA first year students.

Department of Computer Application

BCA Orientation Program: 27th July 2018: **Colonel Prabir Sengupta**, VSM interacted with the new batch of BCA students. He has a unique background; from boarding school to Commanding an infantry battalion – of 1000+ men deployed under arduous conditions, sidestepping a bullet or working in minus 40° temperature. He was honoured by the President of India with a Vishisht Seva Medal.



BCA Orientation Program: 26th July 2018: **Mr. Ritwik Banerjee**, Ex Indian Air Force Captain interacted with first year BCA students.

