



श्रद्धावान लभते ज्ञानम्
Good Education, Good Jobs

IEM 2017

Review

INSTITUTE OF ENGINEERING & MANAGEMENT



Ranked as the 4th best engineering college in West Bengal and 79th all across India by NIRF, Ministry of HRD, Govt of India, 2016



Outstanding Engineering Institute (East) - DNA Newsgroup, BBC Knowledge, 2017



The Best Private Engineering College in West Bengal, Jewel Of the East - Careergraph, 2009



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From the desk of a visionary...

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 multi-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.



Prof. Dr. Satyajit Chakrabarti
Founder Director, IEM

Message from the Director...

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.

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.



Prof. Satyajit Chakrabarti
Director, IEM

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ABOUT IEM

The Institute of Engineering & Management (IEM) is the oldest and best private Engineering Institute in West Bengal. Known as the “**Jewel of the East**” (Courtesy *The Telegraph-Careergraph*), it rose to prominence in the last 25 years winning accolades for excellence in the field of Science and Technology and Management. The Institute has received **National Awards for Excellence** owing its success to a group of eminent and notable technocrats who initiated the new era of the next-gen techno-education system. Since its inception in 1989 it has earned a place of pride by establishing itself as the best institute in Eastern India in the field of Engineering and Management. The Institute has produced some of the best brains who have excelled in academics, research and development and entrepreneurship.

IEM is an **AICTE approved institution** since 1994 and all the B.Tech Courses run by the Institute have been **accredited by the NBA** (National Board of Accreditation). It is the first private engineering college to be given the distinction of becoming a center for research (PhD) in Engineering and Technology in 2005, by MAKAUT (formerly WBUT).

The Institute has added a feather to its cap by organizing its own Conferences (IEMCON) at the National and International levels in Engineering and Management. The long journey of 25 years has brought with it various alliances (National University of Singapore, De Montford University, UK, the British Council, IIT Kharagpur, Jadavpur University, Kolkata to name a few, thus opening up verticals of progress and placements for its students.

True to its Vision and Mission, IEM has set its focus on promoting R&D in multidisciplinary segments through a modern and state of the art Innovation Laboratory, for faculty and students.

State-of-the-art Infrastructure

The Faculty

IEM Kolkata carries a unique and distinctive identity among top private Engineering and Business Schools in eastern India for its emphasis on academics and teaching. The faculty members fall in one of the following major academic groups:

1. Engineering
2. Business Management

They provide a stimulating learning environment and maintain excellent standards of teaching. The faculty is dedicated to teaching and upgrading themselves with the latest technology in their respective fields to be able to guide students on projects. They take pride not only in training the students to become professionals but also grooming them to become wholesome individuals with high standards of moral and ethical values.

The Campus

The Institute comprises three campuses, the ‘Gurukul’, ‘Ashram’ and ‘Management House’, which are situated in the Naba Diganta Industrial Township of Sector V, Salt Lake, Kolkata. The campuses are well connected with the city and have access to Government offices, Shopping Malls, Restaurants and Hospitals. They are well maintained and provide complete security at all times through constant CCTV camera monitoring. Adequate classrooms with audio-visual teaching aids and well equipped laboratories complement the learning procedure.

Placement

IEM Placement Cell is a faculty and student driven endeavor which facilitates campus placements for the students. At IEM, placement is not an activity in isolation, but a continuous process surrounding a whole breadth of exercises. It has highly sensitized functional arm that keeps a constant tab and a finger on the pulse of the market. There is an unabated record of 100% for last 15 years. Apart from major recruiters like TCS, Cognizant Technology Solutions, IBM, Wipro Technologies, Sasken, Infosys, we have ARW, ABZOOBA, PwC, Capgemini, Ericsson, Berger, Axis Bank etc in our recruiters' list.

Library

The Library located on the ground floor of the Gurukul Building is a modern library, well stocked with updated books, journals and multimedia learning aids. It provides students and faculty with opportunities to keep themselves well informed with all engineering and management related information. The library is open 24*7*365 days, allowing students to make full use of the reference resources. The Library is stocked with about 50,000 books with twenty thousand titles. E-Resources: The library provides user name and password based access of full text e-journals of IEEE Digital Library, Del Net Online and J-Gate Management. Students and faculty can browse the online journals from the University/College campus and from home and the hostel.

Hostel

IEM provides hostel facilities separately for boys and girls in the vicinity of the college campus. They are well connected by public transport which covers Salt Lake. The hostels have proper security measures and round the clock monitoring to ensure safety and strict discipline among the inmates. It attempts to create a 'home away from home' by providing a comfortable and homely atmosphere with all comforts and necessities possible for the hostelites. The canteens serve vegetarian and non-vegetarian food which caters to the taste buds of all the members of the hostels.

Alumni

Alumni of IEM Kolkata are well placed in organizations in India and abroad. They have by and large been the greatest inspiration for those studying to be engineers and managers. Alumni have been very supportive and co-operative in collaborating with prospective job seekers of the institute. They interact with them through workshops, presentations and lectures. The Annual Alumni Meet at its campus provides an opportunity for both the old and the new to meet on the same platform. While many of the alumni have associated themselves with the industry in India and abroad, others have enrolled for higher education in prestigious universities like University of South California, Illinois Institute of Technology, Chicago, Saarland University, Saarbrucken, Germany and many more. Scholastic excellence has also been reflected in those who have secured positions in academic institutions (such as IIT) of repute. Many have successfully established themselves as entrepreneurs and have set the ball rolling for the others by being role models or offering opportunities to them in their business ventures.



The State-of-the-art laboratories at IEM



24*7 Library



Students busy at the computer Laboratory



The newly inaugurated basketball court



Fully air-conditioned canteen

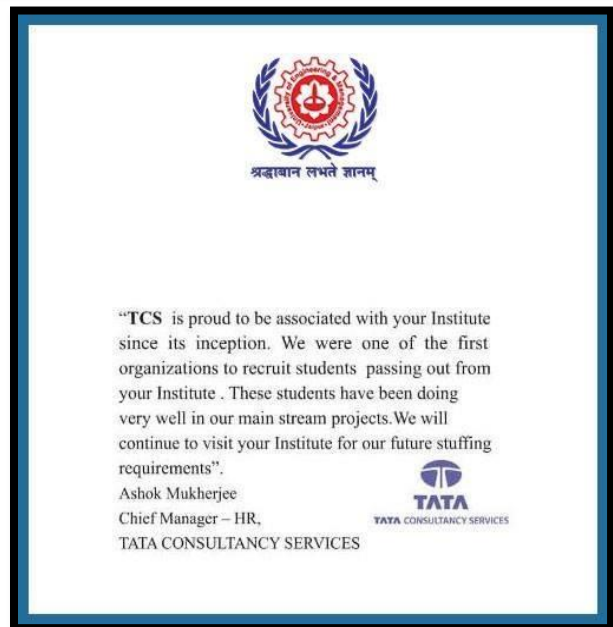
OUR GLORIOUS PAST



Prof. Satyajit Chakrabarti with Dr. Raman Singh, Chief Minister of Chhattisgarh and His Excellency Sri Shekhar Dutt, Governor.



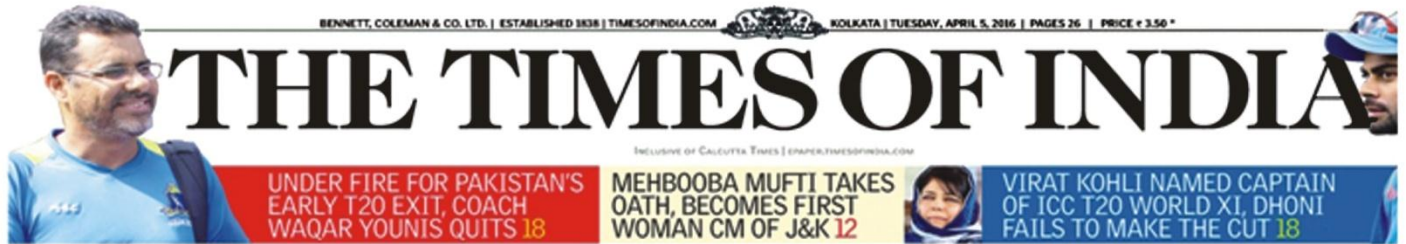
Prof. Satyajit Chakrabarti with Nobel Laureate Dr. Robert Huber. His Excellency Sri Shekhar Dutt, looks on.



INSTITUTE OF ENGINEERING & MANAGEMENT			
OPENING AND CLOSING RANK OF WBJEE 2016 AFTER 1ST ROUND COUNSELLING			
NAME OF THE EXAM	NAME OF THE STREAM	OPENING RANK	CLOSING RANK
WBJEE	CSE	21	1673
	ECE	1011	2823
	EE	705	3596
	ME	830	2843
	EEE	1462	3414
	IT	1267	3400

IEM has surpassed all the previous records of the Institute in 2016 WBJEE; the opening rank was 21, and the closing rank increased by almost 3000.

This year Government of India has ranked Indian Engineering institutions and Universities for the first time and IEM has ranked 79 All India Ranking overall, 26 AIR in Graduate outcome, 3rd State ranking behind IIT Kharagpur and NIT Durgapur.



TWIN BLOWS TO BENGAL HIGHER EDUCATION SECTOR

State scores 10/250 in top campus list

Somdatta Basu
@timesgroup.com

Kolkata: Bengal's educational institutes have fallen far short of expectation with only 10 making it to the HRD ministry's 250-strong national institutional rankings. IIT-Kharagpur and IIM-Calcutta are the only two exceptions. Both bagged third spots in their respective categories: top-100 engineering institutes and top-50 management schools.

Jadavpur University and Calcutta University find no mention in the list of top-100 universities. Authorities of the two varsities claimed they did not participate in the ranking but could not provide a credible reason why they chose not to.

"We did not participate largely because our database could not be prepared to adequately fill the proforma. We have now created a new infrastructure, I have addressed the problem and next year will participate in the process," said JU vice-chancel-

HOW WE FARED

Universities (Top 100)

- > Visva-Bharati (11)
- > Bidhan Chandra Krishi Viswavidyalaya (31)
- > Presidency University (41)

Engineering (Top 100)

- > IIT-Kharagpur (3)
- > NIT Durgapur (30)
- > **IEM (79)**
- > IEST (83)
- > BIT(91)

Management (Top 50)

- > IIM-C (3), > IMI (12)

lor Suranjan Das. Calcutta University had a different reason to share. "When we received the notification, the data requirement of NAAC and NIRF were found to be different. Since we were gearing up for a NAAC visit, we could not have participated simultaneously in both the ranks," said pro-VC (academics) Swagata Sen.

Himadri Sekhar Bandyopadhyay, an ECE graduate from the Institute of Engineering and Management, Kolkata was delighted to find that all his hard work paid off after he secured the All India Rank of 15 in CS paper of GATE 2017.



GATE crossed, it's time for big dreams

Somdatta.Basu@timesgroup.com





Kolkata: There has been a marginal dip in success rate in the Graduate Aptitude Test in Engineering (GATE) this year but those who managed to sail past have set sights on IISc-Bangalore or one of the IITs, just like the previous years.

"The total number of candidates who applied for GATE 2017 were 9,22,167. Just 1,29,149 candidates qualified in the exam," said Govind Chakrapani, chairman of GATE 2017 committee from IIT-Roorkee – the organizing institute

Himadri Sekhar Bandyopadhyay, a Institute of Engineering and Management – Salt Lake student, has ranked 15 in computer science and engineering. "It's a tough call between IISc-Bangalore and IIT-Bombay. I would prefer technological research more than academic research," he added.

Several students from aerospace engineering department in IEST-Shibpur has bagged top positions in GATE this year. Institute director Ajay Kumar Roy said: "I am delighted to see that our students have succeeded in the GATE exam. India is one of the few countries that have exhibited their potential in space science and technology. With successful completion of Chandrayan and Mangalayan, the country is second to none in design and development of

BENGAL'S PRIDE

 <p>Anwesha Bhattacharyya Rank 4 Subject Aerospace engineering From my answer sheet, I calculated my score. Hence, I was confident of securing a high rank</p>	 <p>Saumik Kumar Dey Rank 7 Subject Aerospace engineering We got a great deal of assistance from the teachers of our institute</p>	 <p>Suryadeep Nath Rank 11 Subject Aerospace engineering I had consulted by preparing from previous year's question papers</p>
 <p>Himadri Sekhar Bandyopadhyay Rank 15 Subject Computer science and engineering I consistently studied for seven hours every day</p>		

indigenous, low-cost space borne system"

Suryadeep Nath from the aerospace engineering department has ranked 11th. "I will do my PG from IISc-Bangalore. I didn't expect such a result. This year, the cut-off in our subject has gone down considerably, so has the highest score," he said.

Anwesha Bhattacharyya, Suryadeep's batchmate, has ranked fourth. "I will have to choose between IISc Bangalore and the IITs in Bombay or Kanpur. These are the best institutes that can make me achieve my dream of becoming a scientist," said

Anwesha, a resident of Srirampore.

Saumik Kumar Dey, also from the same department, has ranked seventh in the aerospace engineering exam. "I haven't decided yet but would want to join IISc Bangalore," he said.

This year, GATE had 23 subjects. The highest number of candidates appeared in civil engineering, electronics and communication engineering, electrical engineering, computer science and IT engineering and mechanical engineering stream. Each had more than a lakh candidate.

A press coverage of the GATE results on Times of India newspaper dated 29th March 2017

RANKINGS AND PRESS RELEASES

It has always been very prestigious for IEM to find its name in the list of the top Colleges and Universities of the country. We have been steadily adding a feather to our cap year after year with our achievements.

- IEM was ranked within the band of 100 to 150 All India Ranking by NIRF, MHRD, Govt., of India
- 4th best engineering college in West Bengal after IIT Kharagpur, NIT Durgapur & IEST Shibpur and 79th all across India amongst 100+ IITs and NITs - NIRF (National Institutional Ranking Framework), Ministry of HRD, Govt of India, 2016
- Outstanding Engineering Institute (East) award – DNA Newsgroup, BBC Knowledge, 2017
- Champion East - NEN (National Entrepreneurship Network) E-Week, 2011-2016
- Outstanding Engineering Institute in Eastern India - Star News, 2011
- Rated Silver A+++ Business School - "Just Careers" Magazine, 2011
- Best Self-financed Engineering Institute in West Bengal, "Picture Perfect" - ABP Group, 2010
- Best Private Engineering College in West Bengal, Jewel Of the East - Careergraph - Telegraph, 2009
- 2nd Best Private Engineering College in Eastern India - Electronics For You, 2009
- The Best Private Engineering College in West Bengal, Jewel Of the East – Careergraph, June 2009
- 3rd amongst all Government & Private Colleges in West Bengal - The Telegraph, 2009

We believe that IEM will continue to bring laurels in the years to come.

OUR PLACEMENT RECORDS

The IEM placement started with a bang this year with 75% students being placed in the first month of the placement season. This year too IEM students have bagged 2-3 jobs, as in the last 10 years.

The placement has been par excellence as some of the records show:

- 1 student got 9 job offers**
- 2 students got 8 job offers**
- 6 students got 7 job offers**
- 5 students got 6 job offers**
- 2 students got 5 job offers**
- 13 students got 4 job offers**
- 8 students got 3 job offers**
- 9 students got 2 job offers**
- 12 students got 1 job offer**

The companies which have recruited our students in the first phase of placement season are: SAP Labs, Tech Mahindra , Infosys, Tata Consultancy Services (TCS), WIPRO Technologies, Concentrix, Cognizant Technology Solutions (CTS), SZI Outsourcing, WIPRO BPO

2016-17 PLACEMENT HIGHLIGHTS:

- ✦ Deloitte India have recruited 3 students, Shreya Halder, Rohit Das, Soumya Banerjee, from IEM 2016 batch. We are proud to say Deloitte India has recruited our students directly as freshers for the first time ever.
- ✦ Capgemini have recruited 66 graduates from all over West Bengal and 23 students are from IEM, the highest in West Bengal.
- ✦ 6 students of BCA 6th semester are selected in Amazon. It's a moment of pride for us, as our BCA students participated in that drive with the B.Tech students of other colleges and IEM is the only college from which BCA students have been recruited in that drive.
- ✦ On February 2017 Tata Consultancy Services (TCS) have recruited 30 students from IEM. It is the highest Number of recruit from a single college/Group in West Bengal.
- ✦ This year INFOSYS have recruited 25 students from IEM. It is the highest number of recruit from a single college in West Bengal.
- ✦ The M.Tech students this year has got job offers from Cognizant, Infosys, IBM and PWC
- ✦ Samsung R&D has recruited 4 B.Tech students from IEM with an average package of Rs.7.5 lakhs. It is again the highest number of recruit from a single college in West Bengal.
- ✦ PWC has recruited 7 students from IEM with an average package of Rs 4.5 Lakhs p.a.
- ✦ Infosys has recruited a total of 188 students from IEM
- ✦ A total of 211 students have been recruited by Cognizant this academic year.

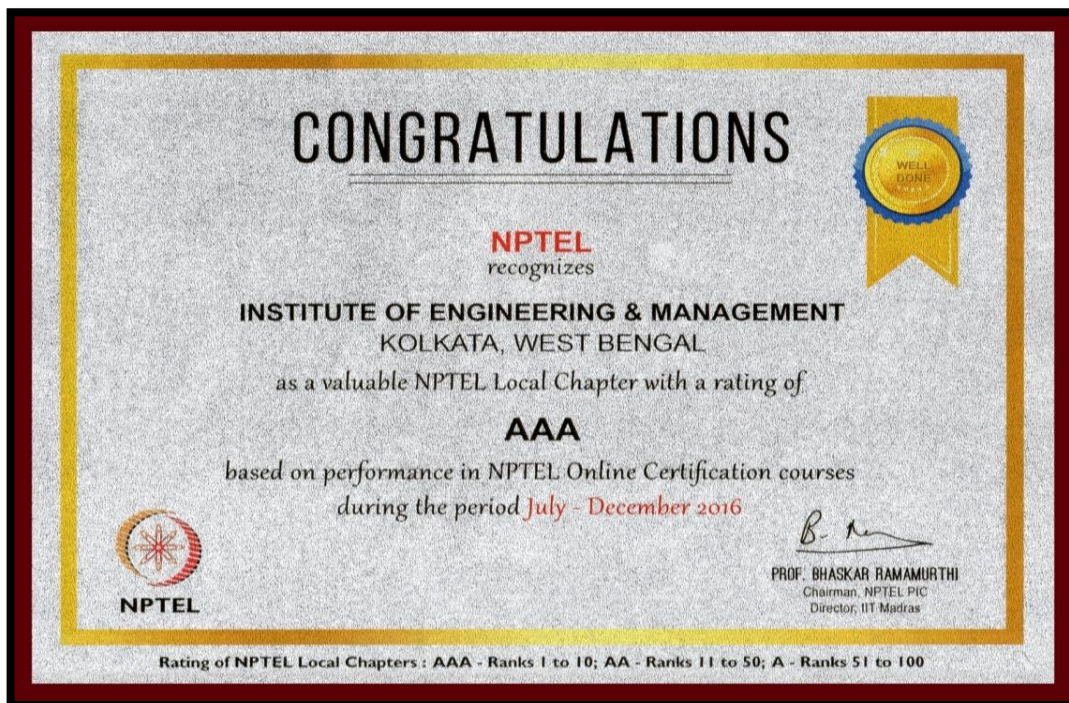
AWARDS & ACHIEVEMENTS

✦ On 18th of February, 2017, IEM was honored with the Outstanding Engineering Institute (East) Award and Dr. Satyajit Chakrabarti was honored by the "Edupreneur of the Year" Award, at the Hotel Taj Lands End, Mumbai by DNA Newsgroup, BBC Knowledge.



Prof. Satyajit Chakrabarti, Director, IEM, receives the award from DNA Newsgroup, BBC Knowledge

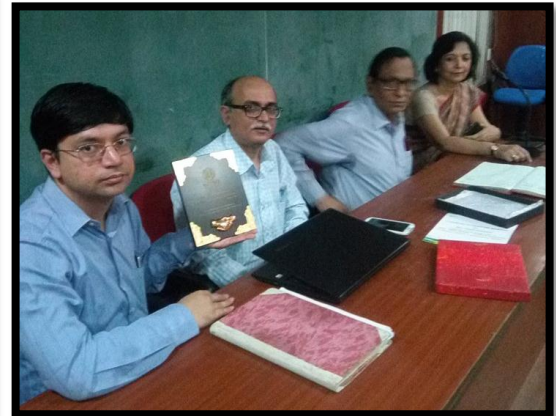
✦ NPTEL, an initiative of the Government of India, has been offering self-study courses across Engineering, Humanities and Science streams for more than a decade and it takes great privilege to announce that NPTEL now recognizes Institute of Engineering & Management (IEM), Kolkata, West Bengal as a valuable NPTEL Local Chapter with a rating of **AAA** based on performance in NPTEL Online Certification courses during the period July-December 2016.



✿ IEM receives Certificate of Achievement and memento from WIPRO Technologies



The Certificate & memento from Wipro



L-R: Prof.Satyajit Chakrabarti, Director IEM, Prof.Dr.A.K.Nayak, Principal IEM Gurukul Campus, Prof.P.K.Mishra, Director IEM Management and Mrs.Gopa Goswami, Director Corporate Relations, IEM with the memento from Wipro Technologies.

✿ Nen E-week 2016 - NEN E-week was organized from 20th to the 27th of February. During this period many events and workshops related to entrepreneurship were held. A Blood Donation Camp and a Mega Rally was organized which oversaw a combined footfall of over a thousand students. Events like T-Shirt Painting, Food Fest and Awareness Rallies were held. Exhibition for innovative models also took place.

IEM was awarded with the Regional Premiere Champions Award

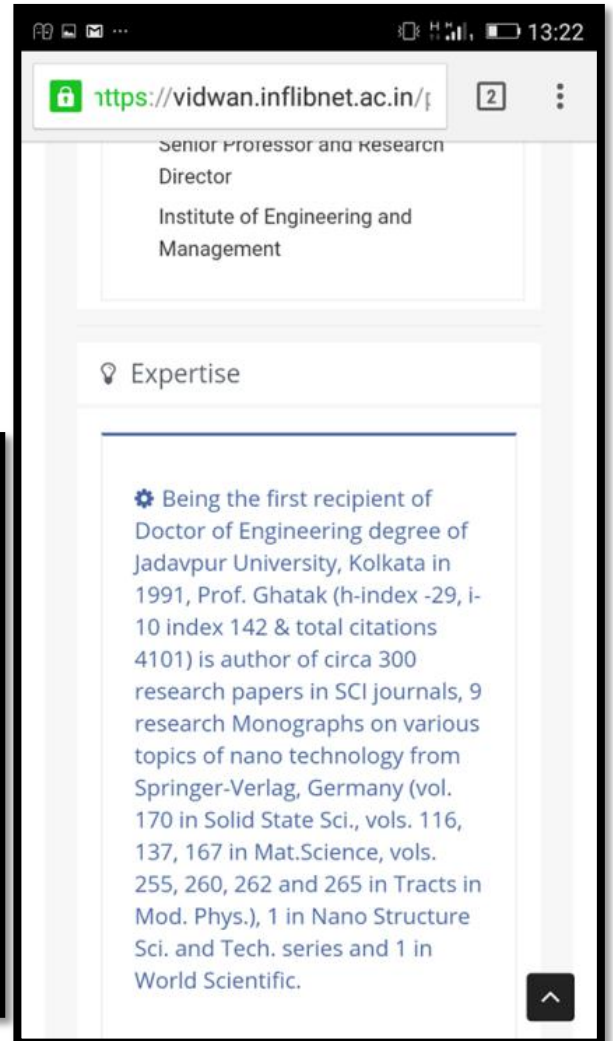
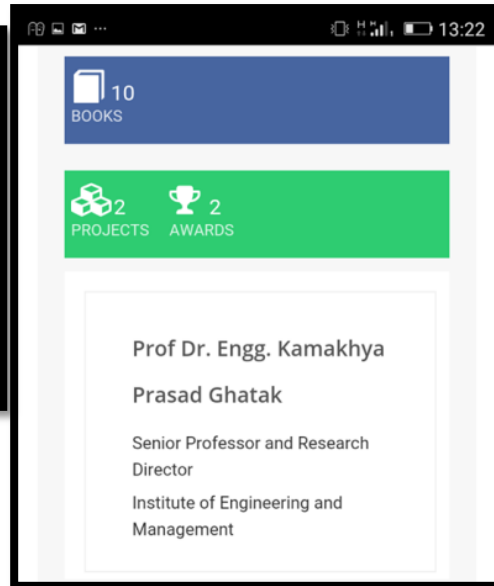


Prof.A.K.Nayak, Pricipal, IEM and the students with their trophy

✿ Prof. Dr. K. P. Ghatak, Research Director of IEM, Kolkata, has been honored with the reputed Vidwan portal, the Researchers Network in which the profile, expertise and achievements of Prof. Ghatak has been published. Prof. Ghatak is the author of 10 Springer monographs, the most reputed international monogram of the world. He has published more than 500 research papers in reputed international SCI journals, and has produced more than 40 Ph.Ds from reputed Universities and Central Institutes of the country.



Prof. Dr. K. P. Ghatak, Research Director of IEM



✿ Prof. Indranil Basu, ECE department, IEM has been nominated as the convener of the Computer Engineering Divisional Sub-Committee of the Institution of Engineers, (India). Institution of Engineers (India) is the most prestigious Engineering body of India for the last 150 years incorporated by Royal Charter of British India.



STUDENT'S ACHIEVEMENTS

- ✦ Students of IEM stood 1st in Research Paper Presentation Competition at Kshitij - IIT Kharagpur Technical Festival in 2016
- ✦ IEM students won the first runners-up in a case study competition at ISWBM. The topic was Money Matter.
- ✦ IEM students Deepak Goutam and Himadri Bandopadhyay from 4th year ECE have ranked in world's top 100 in Codechef May Challenge.
- ✦ Aruni Maji, student of IEM secured 1st position in the event Robowars in Aarohan-2017, the techno-management fest of NIT Durgapur.



Prof Arun Kr. Bar, IEM with the winners



- ✦ In the National Robotics Competition organized by IEST Shibpur in association with Simplex Infrastructure Ltd and Larsen & Toubro (L&T), IEM students again emerged winners.



✿ Few students from the current passing out batch of IEM, Soham Banerjee, Shreya Paramanik and Manu Narsaria, have opened their own company called Renderbit Technologies. The company has been awarded the Certificate of Commendation for being one amongst the first 25 startups in the prestigious TATA First Dot National Competition.



✿ IEM student, Kaustav Bhattacharya, has been awarded the "Best student award" by TATA Consultancy Services



✿ The students of IEM won 2nd prize in aQuest 2017 at International HVAC expo ACREX-2017. There was a participation of 25 countries and 500 companies. There were 40,000 visitors.



IEM Students at aQuest

IEM students emerge as 1st runners up at aQuest

✿ It's not just about studies, which the IEM students excel in; they are equivalently excellent in every spheres of life. The students of IEM recently won the inter-college football tournament in Kolkata.



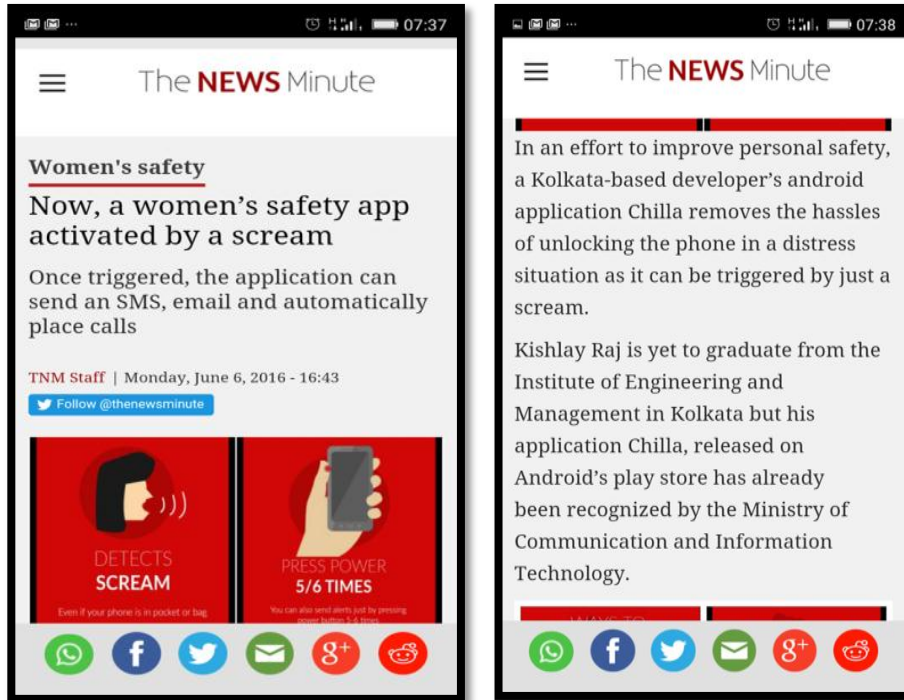
The winners with the founder director Prof.Dr.Satyajit Chakrabarti

✿ IEM KALAA MANDALI wins the best play as well as best script on the skit competition at ISI, Kolkata on the annual cultural fest 'INTEGRATION-2k17' held on 24th of March 2017



Team IEM Kalaa Mandali

- ✦ IEM student Kislay Raj has developed an app for women safety, which has been recognized by the Central Govt and has been declared as an official app in the Play Store, concerned with women safety.



- ✦ Sayoni Dutta Roy of Computer Science and Engineering, Ruchira Moitra of Computer Science and Engineering, Ujan Deb of Electrical Engineering and Aniket Sen of Information Technology Engineering (in picture with the principal Prof.Dr.A.K.Nayak), 3rd year students of IEM have bagged the 3rd position in Sparkhack (Hackathon) in Convolution Jadavpur University

Their IOT solution to make public transport convenient, using GPS sensors, to track buses won them the award. Their solution used the Arduino Mega Chipset with Sim 900 GSM chip.



✿ **Riya Sett, B.Tech. ECE** 2016 from IEM, has been in France at Aix Marseille University as part of her MS, under Erasmus Mundus fellowship. She will spend her Summer Internship at Karlsruhe Institute of Technology, Germany @ Euro 800 per month scholarship for research on superconducting quantum circuits, which she will continue for her MS thesis. She has already completed in France a project on wave particle duality at macroscale, working with spherical waves which are very new.

✿ **Prithviraj Dhar from the Computer Science & Engineering Department** has received direct Ph. D. admission from the following universities:

- a) University of Maryland at College Park (with RAship, TAship and full scholarship)
- b) Purdue University (with RAship and scholarship).
- c) University of Victoria (with RAship, TAship and full scholarship)
- d) Ohio State University (with TAship and full scholarship)
- e) University of California, Riverside (Dean's Distinguished Fellowship Award)

He had completed an internship in the University of Maryland while in his B.Tech programme. During his stay at the University of Maryland, he worked on the topic - Face Verification in Low Resolution Images Using Deep Features.

After successfully completing his research work, he has got an offer for direct PhD at the University of Maryland.

✿ **Pritam Bhattacharya, an alumni member of IEM**, addressed the students of IEM. He very interestingly spoke on "Cheating Husbands – an Interplay between Knowledge, Action and Communication." He used the interesting story involving Husbands of Majorca to get his ideas of Randomization Algorithms and Approximation Algorithms through to his audience

Pritam ranked 35th All India Rank in GATE examination, and is the recipient of TCS Research Scholarship 2015.

He is pursuing his Ph.D in IIT Kharagpur. His area of research is Approximation Algorithms in Computational Research.

✿ **Atrima Ghosh, student of IEM** has cracked both IIM Ahmedabad and IIM Bangalore via her CAT score. She had also scored 328 out of 340 in GRE and has got admission offers from Georgia Tech and North Carolina State University

IEM GROUP DEVELOPS AN AUTONOMOUS DRONE

B.Tech 3rd Year CSE students of IEM, Arnab Nandy and Debjit Pal, have designed a fully autonomous and customizable F450 model Drone(Quad copter) under supervision of Prof. Dr. Himadri Nath Saha. This Drone (Quad copter) can also be controlled manually via any Transmitter (which must have 2.4 GHz and more than 4 channels controller). It can fly at any range as per GPS.

This drone has the following functionalities:

1. RTH(Return To Home, for any kind of signal disruption it comes back from where it starts as starting location is its Home location)
2. GPS controlled path setting
3. Weight lifting (up to 700 gm for this model, can be extended as per requirements)
4. Live streaming with video and snap via mobile app
5. It can be used for Agricultural purposes like proper amount of pesticides spray in farming fields.

By modifying it further the autonomous drone can do the following in the future:

1. Automated obstacle detection
2. Can check crack of an under construction building
3. Through thermal vision, it can be used to detect living human bodies in disaster
4. By using Servo and image processing, home delivery of any product can be done
5. It can be used in Defense field, through night vision it can detect enemy position.

The Autonomous Drone was built with the following components:

1. Drone controller with power adapter and status indicator (Drone controller which is available in market)
 2. 3 cell LIPO battery (4 cells can be used)
 3. GPS module
 4. 4 propellers with 4 BLDC motor with propeller adapter
 5. 4 ESC (Electronic Speed Controller)
 6. Landing Gear, top & bottom base and frames
 7. 2.4 GHz Receiver
 8. 4K Action camera
-

FOREIGN COLLABORATIONS

IEM group is proud to be in collaboration with Iwate University, Japan; University of Nevada, Las Vegas; De Montfort University, UK; ESC Rennes School of Business and Montpellier Business School, France; University of British Columbia, Canada; State University of New York, USA and National University of Singapore for cross-cultural learning.

Foreign Campus: IEM Group opens a North American Campus - one among top 5 Institutes and Universities in India to have a foreign campus abroad. The campus is located in the flourishing Surrey City Centre in the Greater Vancouver area, steps away from transit, minutes from the newly expanded Guildford Town Centre.

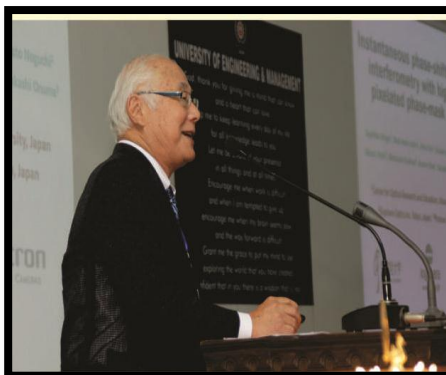


IEM Campus at North America

Distinguished Speakers at the IEM Group campus:



Prof. Barry Sanders, OSA Fellow from University of Calgary, Faculty of Science, Institute for Quantum science & Technology, CA



Prof Toyohika Yatagai, Director, CORE, Utsonomiya University, JAPAN



Prof Motoharu Fujigaki, Professor, Human and Artificial Intelligence Systems, Graduate school of Engineering, University of Fukui, JAPAN

The students of IEM are sent for foreign visits frequently to Singapore, Vancouver, New York & Las Vegas. We also keep having students from various international institutions who study here as our students for a semester.



IEM Management students at Nanyang University, Singapore



IEM group students from Bangladesh

INTERNATIONAL CONFERENCES:

Over the past few years IEM-UEM group has been conducting International Conferences globally. They have been successful and have earned us immense acclamations. Few glimpses of our international conferences follow below:

✻ **IEEE CCWC 2017 in Las Vegas, USA:** IEM and UEM successfully hosted the Computing and Communication Conference, IEEE CCWC 2017 in Las Vegas, USA, from January 9th to 11th. It provided a wonderful opportunity for researchers, educators and students where they were able to discuss and exchange ideas on issues, trends and developments in computing and communication.

The welcome address was given by Sandra L. “Candy” Robinson the current President-Elect of IEEE-USA. She is also a Software Engineering Manager for Lockheed Martin MST, assigned to the F-35 program. We were also honored to have the following keynote speakers in addition to others.

Dr. Meyya Meyyappan, the Chief Scientist for Exploration Technology at NASA’s Ames Research Center in California’s Silicon Valley.

Prof. Evangelos A. Yfantis, the Director of the ICIS lab and a full Professor of Computer Science, which is part of the Engineering College at the University of Nevada, Las Vegas.

Prof. Justin Zhan, Director of ILAB and the Director of Data Science Hub.

Prof. Eric Balster, the Director of Computer Engineering Graduate Program at the University of Dayton.

Dr. Robert Mitchell, a member of technical team at Sandia National Laboratories.



Dr. Evangelos Yfantis, University of Las Vegas



Dr. Meyya Meyyappan, NASA Ames Research Center



Dr. Robert Mitchell from Sandia Laboratories



The IEEE CCWC 2017 Team at Las Vegas, USA

The Telegraph dated 21st February, 2017 covered IEEE CCWC 2017 organized by IEM and UEM in Las Vegas, USA.



SNAPSHOTS

Conference on Computing & Communication



Professor Charles Rubenstein from Prat Institute, US along with Professor Son Voung, Emeritus Professor of University of British Columbia, Canada and Professor Satyajit Chakrabarti Institute of Engineering & Management felicitating Keynote speakers Dr Adrian Tang, Strategic-Researcher at NASA, Jet Propulsion Laboratory, Dr Meyya Meyyappan, Chief Scientist for Exploration Technology at NASA's Ames Research Center in California's Silicon Valley and Robert Mitchell, a member of technical team at Sandia National Laboratories

Institute of Engineering & Management (IEM) along with University of Engineering & Management (UEM) successfully organised the 7th IEEE CCWC 2017 International Conference on Computing & Communications in Las Vegas, USA on 9th-11th January 2017 co-sponsored by IEEE USA, IEEE LAS VEGAS and IEEE REGION 6. IEEE CCWC (Computing & Communication Workshop & Conference) 2017 provided an opportunity for researchers, educators and students to discuss and exchange ideas on issues, trends, and developments in Computing and Communication. The conference aims to bring together scholars from different disciplinary backgrounds to emphasize dissemination of ongoing research in the fields of Computing and Communication.

IEEE UEMCON 2016 in New York, USA: The 7th International Conference and Workshop on Ubiquitous Computing, Electronics and Mobile Communication was successfully organized by University of Engineering & Management (UEM), Kolkata|Jaipur and Institute of Engineering & Management, Kolkata at Columbia University, New York, USA from 20th to 22nd October 2016. Research scientists from about 40 nations, from every corner of the globe participated enthusiastically by submitting their research papers. The main aim of the conference was not only promoting research and development but also contributing to the society through research and development. Prof. Indraneel Mukhopadhyay of IEM and Prof. Charles Rubenstein of Pratt Institute, USA, conducted the Raspberry Pi 3 workshop for the delegates and participants.



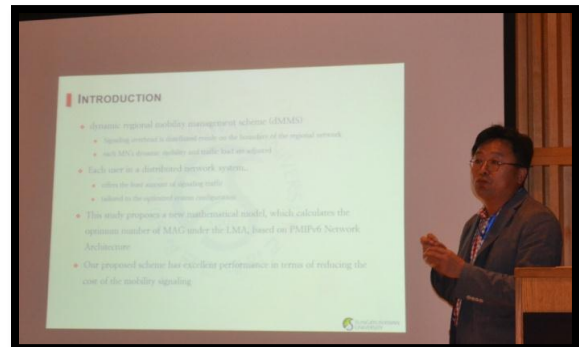
Prof. Annie Liu of Stony Brook University, USA being felicitated after her keynote address



Prof. Zhenliang Zhang of Intel Research Lab, USA, being felicitated after his Keynote address



Prof Charles Rubenstein, Pratt Institute, USA delivering his address



Khin Thida San of Korea Aerospace University, Korea presenting his paper



Professor Cristain Zet, of Technical University of Iasi, Romania Presenting his paper



Hector Reyes of Universidad de Los Llanos, Columbia presenting his paper

The Times of India issue on Saturday, 19th November, 2016, made a brief coverage about IEEE UEMCON 2016 organized by IEM-UEM group.

Galaxy of speakers at IEEE UEMCON 2016 conference in Columbia



The University of Engineering & Management (UEM) and the Institute of Engineering & Management (IEM) along with IEEE USA, IEEE New York Section, IEEE Region 1 organized the 7th IEEE Annual Ubiquitous Computing, Electronics and Mobile Communication Conference (IEEE UEMCON2016) from October 20 to 22 at Columbia University, New York, USA.

Researchers and scientists from around 40 nations, from every corner of the globe starting from Canada, USA, Germany, Ecuador, Australia, China, Japan, India, France, UK, Taiwan, Columbia, Russia, Singapore etc. participated enthusiastically by submitting their research papers.

The conference has a paper acceptance ratio of around 40 per cent, the total number of papers received being more than 370, accepted and presented papers sums up to 150. To make the conference even more interesting and interactive a one-day workshop was conducted on Raspberry Pi3 by experts in this area.

The conference touched upon various aspects of scientific breakthrough by covering various research areas ranging from human position based on



Bluetooth beacons, mobile ascertainment of smoking status through breath, proximity localization with Bluetooth emitters, new algorithm for money laundering detection, system for creating geographical topics from social media stream, autonomous vehicles safe optimal trajectory on big data analysis, address digitization and smart mailbox with RFID technology, evolution of mobile computing software systems, identification of educational relevance in social networking posts, self awareness for deep learning and discovering high value information to occupancy prediction in smart homes and many more. The main aim of the conference was not only promoting research and development but as well as contributing to the society through research and development.

The conference witnessed a galaxy of keynote speakers who spoke on their research areas and expertise. The keynote speakers included Vladimir Privman, Clarkson University, USA; John Morrison, Samsung Research, USA; Annie Liu, Stony Brook University, USA; Goutam Chattopadhyay, NASA JPL, USA; Zhenjiang Zhang, INTEL Lab, Columbia University, USA; Supriyo Bandopadhyay, Virginia Commonwealth University, USA and Takeo Sasaki, Tokyo University of Science, Japan.

Times of India-NIE invites all students to give their news, views and reviews on just about anything under the sun. We at TOI-NIE will be most glad to feature you on our pages. Send in your articles, poems and paintings with your name, school, class, photograph and phone number to The Times of India-NIE, 105/7A SN Banerjee Road, Kolkata 14 or email us at kolkatanierereporters@gmail.com

IEEE IEMCON 2016 in Vancouver, Canada: The 7th International Conference and Workshop on Information Technology, Electronics and Mobile Communication, organized by Institute of Engineering & Management, Kolkata & University of Engineering & Management, Jaipur|Kolkata, was held from 13th Oct to 15th Oct 2016 at the University of British Columbia in Vancouver, Canada.

The conference had a paper acceptance ratio of around 39% and the total number of papers received was more than 400. The conference also witnessed a galaxy of keynote speakers who spoke on their research areas & expertise.

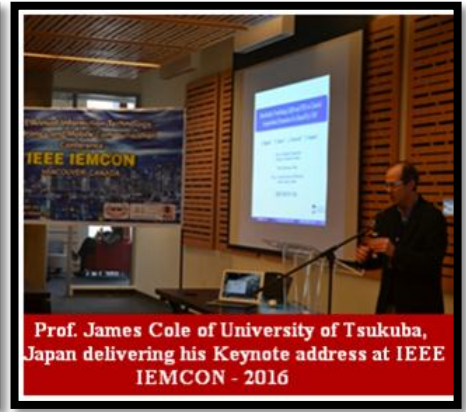
Following are some glimpses of the very successful IEEE IEMCON 2016 conference:



Prof. David Michelson of University of British Columbia, Canada delivering his Keynote address at IEEE IEMCON - 2016



Prof. Rodney Vaughan of Simon Fraser University, Canada delivering his Keynote address at IEEE IEMCON - 2016



Prof. James Cole of University of Tsukuba, Japan delivering his Keynote address at IEEE IEMCON - 2016



Dr. James Cole, Dr. James Giesbrecht, Dr. Takeo Sasaki and Dr. Rudiger Gad with Prof. Satyajit Chakrabarti, Director IEM



Authors attending presentations in IEEE IEMCON 2016



The group at IEEE IEMCON 2016

✦ **IEEE IEMCON 2015 in British Columbia, Vancouver, Canada:** The 6th International Conference on Computing and Communication was held from 15th Oct to 17th Oct 2015 at the University of British Columbia, Vancouver, Canada. It was in collaboration with IEEE Systems, Man, & Cybernetics Society and Institute of Engineering & Management, Kolkata.

IEMCON 2015 saw more than 200 delegates from 25+ countries like USA, Canada, UK, China, Japan, Korea, Brazil, Spain, Slovakia etc., and the conference was highly appreciated. IEEE Vancouver gave an appreciation letter in writing. They have also expressed interest to conduct the International Conference every year in Vancouver, Canada. The keynote and plenary speakers were:

- Prof. Randy Katz, University of California, Berkeley
- Dr Daniel Ford, Chief Scientist, Dell Research, California.
- Prof. Lutz Lampe, University of British Columbia, Canada
- Prof. Bahram Jalali, University of California, Los Angeles, USA
- Prof. Navin Nischal, IIT, Patna, India
- Prof. Brian Culshaw, University of Strathclyde, Glasgow, United Kingdom
- Prof. Motoharu Fujigaki, University of Laval, Quebec, Canada
- Prof. Jurgen Jahns, Fern Universität in Hagen, Germany
- Prof. Takeo Sasaki, University of Tokyo, Japan
- Prof. Graham Reed, University of Southampton Guildford, United Kingdom
- Prof. Basabi Chakraborty, Iwate Prefectural University, Japan
- Prof. James Cole, University of Tsukuba, Japa



Prof. Motoharu Fujigaki, University of Laval, Quebec, Canada



Prof. Takeo Sasaki, University of Tokyo, Japan



Prof. Randy H. Katz, University of California Berkeley



Authors attending presentations at IEEE IEMCON 2015

INDUSTRY VISITS

With an aim to go beyond academics, students are encouraged to enhance their theoretical knowledge through industrial visits to gain a practical perspective. It provides them with an opportunity to learn working and employment practices through line interaction.

✿ **Durgapur Steel Plant visit** - Every year of students visit Durgapur Steel Plant along with our Faculty members. They spent a day-long session inside the Plant. The students were exposed to the following: Blast Furnaces, three Ladle Furnaces, Bloom caster, bloom-cum-round caster, Medium Structural Mill. Wheel & Axle Plant for making forged wheels and axles catering to Indian Railways.

✿ IEM MBA students had a pleasant experience on their visit to a leading- Pan Asian company in Singapore. The students were exposed to the integrated upstream and downstream operation, where steel is manufactured through recycling scrap, and fabricated according to customers' needs.



✿ **Industrial visit to BHEL, Visakhapatnam** -The industry visit to BHEL, Visakhapatnam gave the students opportunity to see manufacturing process of power plant equipment. They saw how a manufacturing plant actually looks like and its processes and on the other hand learned how to adjust to the demanding situation when going out of the comfort zone, cooperate with others, make friends, build rapport with everyone and create a greater network.



✿ **Students study tour to Singapore**



INDUSTRY ACADEMIA CONCLAVE

A conclave was organized by MAKAUT from 27th to 29th March 2017 at Milan Mela Prangan, Kolkata, with an objective to not only provide an interface between industry and Academia (teachers, researchers, students) but also to create an environment for exploring indigenous technologies and imbibe the spirit of mutual confidence between industry and academia.

Our institute got an excellent opportunity to demonstrate 10 of their master projects and models in the 4 booths put up by IEM at the conclave. The booths were visited by eminent personalities like Mr. Bratya Basu, Hon'ble Minister of Information Technology, Prof. Saikat Mitra, Vice-Chancellor of MAKAUT and Prof. Ajay Ray, Director of IEST. All the dignitaries were highly impressed with the students' performance & their excellent projects. They also encouraged them to commercialize the projects and bring them to public life for citizens and rural people.

Hundreds of IEM students also visited the conclave. They had the highest participation from amongst all the colleges of the state. More than 50 institutions had participated. MAKAUT has appreciated 10 best models out of which 3 models were prepared by IEM students. Except IEM, no other institution has bagged more than one appreciation.



Sri Bratya Basu, Hon'ble Minister of Information Technology & Prof. Saikat Mitra, Vice-Chancellor of MAKAUT visiting the booth of IEM



Prof. Ajay Ray Director, IEST Shibpur visiting the booth of IEM and addressing the students



IEM students with their awards at Industry Academia Conclave



Prof Avijeet Basu & Prof. Prabir Kr. Das with the winner and the awards

INNOVACION 2017

On 5th & 6th March 2017, Kolkata witnessed the best and the biggest tech fest of the year, when Institute of Engineering & Management organized its 8th Annual Techno-Management Fest, Innovacion 2017.

It witnessed not only students from all over India but several parts of the world who showcased their talents and technical skills.

This year Innovacion was honored with the presence of eminent personalities like Shri Tathagata Roy, Honorable Governor of Tripura, Shri Subroto Dey, Pro Vice-Chancellor of MAKAUT

It had a plethora of technical and non-technical events ranging from Hell in a cell, Innovare, Robofooties, X-Race, FIFA, NSA, Mathemagic, Scrapyard Wars, Tracker, Sherlocksia and many more and we had sponsors like NVIDIA, Sony and Asus among many others.



Shri Tathagata Roy, Honorable Governor of Tripura addressing the faculty & students

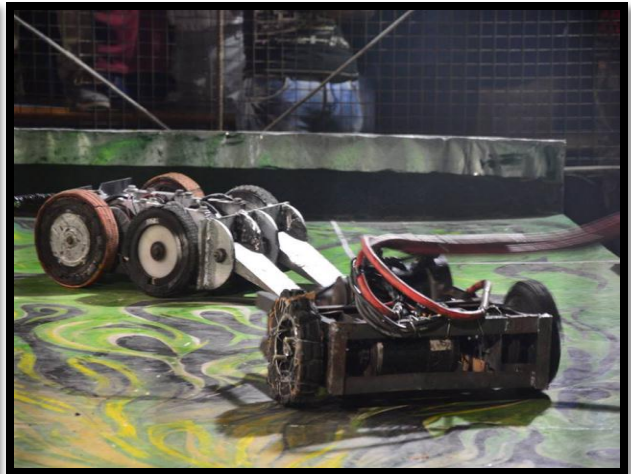


Shri Subroto Dey, Pro Vice-Chancellor of MAKAUT addressing the audience



L-R: Prof.A.K.Nayak, Principal of IEM: Prof.Satyajit Chakrabarti, Director of IEM: Prof Ajay Ray, Director of IEST Shibpur; Prof.Sajal Dasgupta, Pro Vice-Chancellor of UEM,Kolkata & Former DTE at Innovacion 2017

GLIMPSES OF EVENTS AT THE INNOVACION



A Telegraph coverage of Innovacion 2017 on 24th March 2017

The Telegraph



THE TELEGRAPH FRIDAY 24 MARCH 2017 XXCE

CAMPUS

STUDENTS & THEIR BOTS BATTLE IT OUT AT INNOVACION



Students of Institute of Engineering and Management (IEM) and Techno India University pit their robots against one another on the football field at Innovacion, the fifth annual techno-management fest of IEM, in association with The Telegraph. The two-day fest that began on March 5 saw participation from 30 national and international institutions in 25 events. Ho Chi Minh City University of Science (Vietnam), Islamic University of Technology (Bangladesh) and University of Central Florida (US) participated in online competitions, while the likes of University of Engineering and Management, Heritage Institute of Technology, Techno India University and Indian Institute of Engineering Science and Technology (IEST), Shibpur, participated in the on-campus events. Online gaming, virtual reality gaming and stock market stipulations to robotics....



Pallavi Rana, a third-year student of IEM, takes a look at some shots from the photography competition.



Mayank Anand (extreme left), a second-year student of NIIT, steers his bot in the X-Race competition. "We had to take our robots up on slopes, slants, through water bodies and over stones. It was quite challenging," said Mayank.



Rohit Gupta (left), a first-year MTech student of Jadavpur University, and Tapabrata Mukherjee (centre), a second-year student of IEM, look on as their autonomous bot finishes the course at the Tracker event. "Our robot is completely automated. It tracks black lines on a white background and vice-versa," said Rohit.



(L,R) Sagnik Dutta and Sagnik Roy, fourth-year students of IEM, presented an autonomous quad-copter in the science exhibition. "Yes, this does fly. This is completely automated and can lift off and land on its own. All one needs to do is drop a pin on the designated location on Google Maps and the bot does the rest on its own," said Sagnik Dutta.



Archan Chattopadhyay (second from left) and Wridhi Chakraborty (third from left), third-year students of IEST, Shibpur, work on their touch switch circuits in the Electrocutted competition.



Ajit Kumar Dubey, a fourth-year student of Calcutta Institute of Technology, tries his hand at virtual reality gaming. "This is the first time I experienced virtual reality gaming. I felt I was in a real world," said Ajit.

Text: Rushabh Shah
Pictures: B. Halder

SCIENCE & TECHNOLOGY FAIR AND EXHIBITION

It was an honor for IEM to host the Science & Technology Fair and Exhibition, in association with Vivekananda Vijnan Mission and Saha Institute of Nuclear Physics, National Council of Science Museums and Central Glass and Ceramic Research Institute from 25th to 27th March, 2017 at IEM Gurukul Campus.

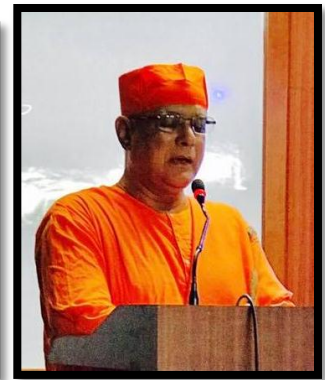
The event was graced with the presence of Shri S.S. Ahluwalia, Minister of State for Agriculture and Farmer Welfare and Swami Atmapriyananda, Vice Chancellor of Ramkrishna Mission Vivekananda University, Belur Math. They gave inspiring speech to the IEM students and motivated them to a higher extent.



Shri S.S. Ahluwalia, Minister of State for Agriculture and Farmer Welfare addressing the students and faculty at IEM



The delegates on dais with IEM founder director Prof. Dr. Satyajit Chakrabarti



Swami Atmapriyananda, Vice Chancellor of Ramkrishna Mission Vivekananda University, Belur Math addressing the audience at IEM



SCIENCE & TECHNOLOGY FAIR AND EXHIBITION

March 25-27, 2017 in Association with 

Theme: Science & Technology for Inclusive Development of India

Inaugural Function on 25th March at 10:30 AM

<p>Chief Guest: Shri S. S. Ahluwalia Minister of State for Agriculture & Farmer Welfare, GOI</p>	<p>Guest of Honour: Swami Atmapriyananda Vice Chancellor, Ramkrishna Mission Vivekananda University, Belur Math</p>
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Venue: IEM Campus, College More, Sector V, Salt Lake



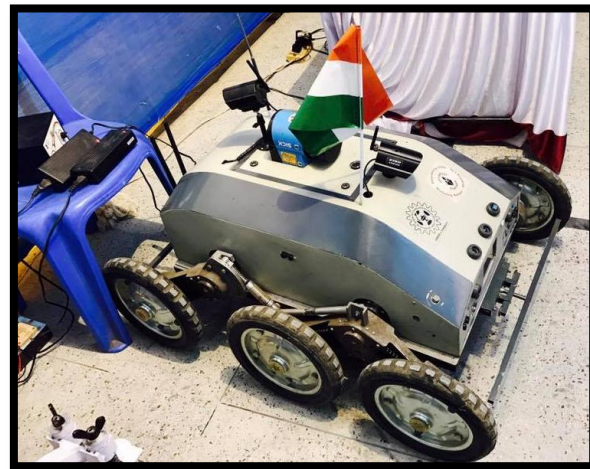


Vivekananda Vijnan Mission in collaboration with
Institute of Engineering & Management





DRDO (Defense Research and Development Organization) stall at the Science and Technology Fair and Exhibition 2017 at IEM campus showcasing various missile technologies and innovations developed by it such as AGNI, PRITHVI and NAG missiles



CMERI (Central Mechanical Engineering Research Institute) stall at the Science and Technology Fair and Exhibition showcasing an automated wheelchair (left image) and a land mine detector (right image)



The very prestigious AICTE stall at the Science and Technology Fair and Exhibition 2017.

ISHRAE

The **IEM- ISHRAE Student Chapter** was established in collaboration with the Mechanical and Electrical Engineering Department of IEM Kolkata on 3rd December 2016 with approval from ISHRAE (Indian Society of Heating, Refrigerating and Air Conditioning Engineers).

ISHRAE is an associate of ASHRAE (American Society of Heating, Refrigerating and Air Conditioning Engineers). ISHRAE's primary objective is the advancement of the art and sciences of Heating, Ventilation, Air Conditioning, Refrigeration Engineering & other related Building Services.

In these few months **IEM- ISHRAE Student Chapter** can boast of above 200 members and they have organized a plethora of activities and also provide the platform to its member to participate in various national level event.

✿ **IEM- ISHRAE Student Chapter** organized a Technical Seminar on **"Fan Technology"** on July 25, 2016. The eminent speaker was **Mr PK Sen**, Senior ISHRAE Member. More than 120 students including chapter members and faculty members from Mechanical and Electrical department attended & witnessed the seminar.



✿ **IEM- ISHRAE Student Chapter** organized a Technical Seminar on **"Basics of Air-Conditioning"** by **Mr Prateek Datta Roy**, Senior ISHRAE Member, General Manager Larsen & Tourbro (L & T) on January 17, 2016. Mr Prateek Datta Roy has over 21 years experience in the field of Design and system development for HVAC&R Industry.



- ✦ ISHRAE Kolkata Chapter organized East Zone Student Quiz competition on **22nd Dec'16**. More than 45 shortlisted teams participated from all across eastern student chapter of ISHRAE. IEM team won the 2nd and 3rd prize.



- ✦ Two student members of this chapter and faculty in charge attended a Workshop on **"INTEGRATING INDOOR AIR QUALITY AND ENERGY EFFICIENCY IN BUILDING"** organized by ISHRAE Kolkata Chapter and ASHRAE Kolkata section at the Circle club Rajarhat, Kolkata on 25th April 2015. The eminent speaker was **Mr. William P. BAHNFLETH**, who is the fellow of both ASHRAE and the American Society of Mechanical Engineers (ASME) and is also a member of the International Society for Indoor Air Quality and Climate (ISIAQ), the International Building Performance Simulation Association (IBPSA), Sigma Xi, the American Society for Engineering Education (ASEE), and the Society of Building Science Educators (SBSE).

- ✦ IEM - ISHRAE student chapter President, Secretary and Faculty-in-charge attended a Workshop on **"BUILDING ENERGY LABELLING AND RATING PROGRAM of ASHRAE-(bEQ)"** organized by ISHRAE Kolkata Chapter at The Circle Club, Rajarhat, Kolkata on 25th March 2015. The speaker was **Mr. Ross Montgomery**, who is an ASHRAE past Vice-President, DRC and DAL, past RVC, and chapter/section President. He has worked in ASHRAE activities for 33+ years, and has served on over 50 committees, councils and boards for ASHRAE.

- ✦ ISHRAE Kolkata Chapter organised an interactive Technical talk on the Basics of Psychrometry, at Institute of Engineering & Management (IEM) Kolkata on August 13. The talk was delivered by Senior ISHRAE Member Mr. P.K.Sen and blessed by the presence of the President of ISHRAE Kolkata Chapter; Mr. Utpal Biswas. After one and half hour long talk about the basics of Psychrometry, the speaker, Mr. P.K.Sen indulged the students in one on one question answer session. Around 130 students attended event along with all the faculty members of Mechanical and Electrical department.



✦ **SPECTRUM 2016** - Institute of Engineering & Management hosted a one day technical event, SPECTRUM 2016 on the 23rd of April at IEM campus. The day comprised of various inter-college events like Paper Presentation, Poster Presentation, Model Presentation, Treasure Hunt, General Quiz and Gaming. Students from different colleges and universities came to participate. However the special attraction of the day was a seminar on '**Emerging trends in Indian Cold Chain**', organised by ISHRAE-IEM Students' Chapter, and delivered by eminent senior ISHRAE delegate Mr. P.K.Sen. The entire seminar was graced by the ISHRAE Kolkata chapter President Mr. Utpal Biswas, along with Prof. Arun Kr. Bar, HOD, Mechanical Engg. Department, IEM Kolkata and faculty adviser Prof. Gunjan Kumar. The session started with a congratulatory note from Mr. Utpal Biswas, praising the CWC members of the past session for their remarkable job, putting the ISHRAE-IEM Students' Chapter on the national map. More than 120 participants packed the hall.



NEWS & EVENTS

- ✦ **IEM Model united nation 2016-** Institute of Engineering and Management hosted its third Model United Nations on the 17th, 18th and 19th of September, 2016. A Model United Nations (MUN) is an academic simulation that seeks to promote debate and awareness on international politics. The three day event, saw the best minds of the country debate and deliberate over problems that are relevant in our current global scenario. Calm discussions were, more often than not, followed by heated arguments as delegates passionately argued for their cause. While awards were presented only to a limited number of delegates, there is no doubt that all those present went home richer in respect to knowledge, friendship and passion for the world with its complexities.



- ✦ **IEM IEEE EDS** student chapter organized a symposium on Electron Devices on the occasion of Sir Albert Einstein's birthday on 14th March 2017. Distinguished speakers at the event were Prof. Sanatan Chattopadhyay, Professor of Calcutta University and Dr. Atanu Kundu, Chairman of IEEE Electron Devices Society.



✿ Book fair & literary festival 2017 - The IEM Book Fair and Literary Festival was held from 22nd - 23rd February 2017 at the IEM Gurukul Campus. It was inaugurated by eminent personalities like actor and author Barun Chanda, who is noted for his role in Satyajit Ray's "Seemabaddha", notable authors Smt. Chiroshree Bandopadhyay and Smt. Madhuchhanda Bhattacharya and Dr. Siddhartha Majumdar, Scientist Dr. Siddhartha Majumdar.

Many national and international publishers came to display different technical and non technical books. Events like Elucidation, Extempore, Doodling, Acting, Quiz and Karaoke were also a part of the literary meet. Several college and school students participated in the literary events.



Prof. Satyajit Chakrabarti, Director, IEM with the delegates on dais (l-r) Mr. Barun Chanda, veteran actor and author, notable author Smt. Chiroshree Bandopadhyay, notable author Smt. Madhuchhanda Bhattacharya & scientist Dr. Siddhartha Majumdar



✿ **IEMENTech 2017** - The 1st International Conference on Electronics, Materials Engineering and Nano-Technology (IEMENTech 2017) organized by the Electronics and Communication Engineering Department of IEM, Kolkata, at Science City, Kolkata, West Bengal on 28th & 29th April, 2017. The scientific deliberations of the conference covered diversified topics on Electronics, Materials Engineering, Nano Science and Technology. IEMENTech 2017 provided an international forum for researchers, developers, engineers and academicians who are involved in research projects to exchange and share their valuable ideas and research concept leading to the innovation of new and relevant technology.

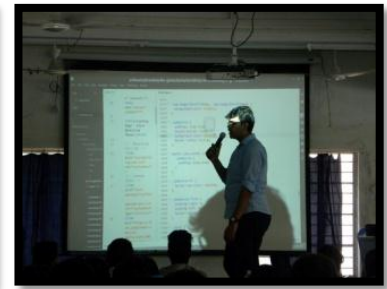
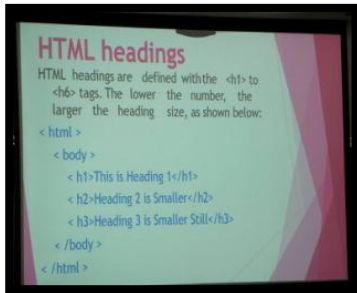


IEM Director - Prof. Dr. Satyajit Chakrabarti felicitating Director of Technical Education (DTE) at the Regional Round Table Meeting of the Education Promotion Society of India.

✿ **IEM-UEM group** organized 3 hours interactive session on **Cyber Security with techies**. Live VIRUS and Ransomware development and how to stay safe.



✿ **A Web Development Workshop was conducted by Innovación on 22nd and 23rd October 2016.**



✿ **Digital Marketing Seminar -** Mr Raunak Jindal, Head of E-Commerce Dept., and Mr Varun Sharma, Head of Marketing Dept., both from Torero Corporation Pvt. Ltd., organized a seminar on “Overview of Digital Marketing Strategies and its Practical Aspects” at the IEM Management House campus.



✿ **Distinguished speakers at IEM :**



Mr Somnath Chatterjee, Capgemini Vice President, inspiring our students and faculty with his talk.



Shri Suman Sasmal, Managing Director of Wadhvani Foundation, India and South-East Asia. Shri Sasmal interacted with the students and delivered his lecture and mentored them

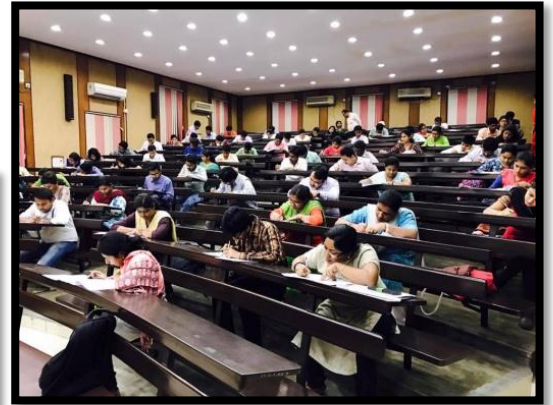
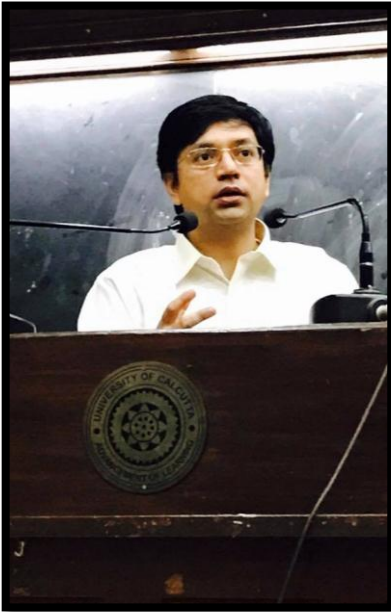
✦ **Seminar hosted by Elearnmarkets** at IEM campus where their CEO & Co-founder Vineet Patawari shared his thoughts on why early financial learning is important for learners willing to build a successful career in finance



✦ **DST sponsored 10 days training programme on "BIG DATA ANALYTICS"** organized by Department of IT, IEM



- IEM group was honored to conduct recruitment drive at the prestigious Calcutta University and IIT Kharagpur for Faculty members and Software Developer positions.



- ✦ It was an honor to host Dr Goutam Chattopadhyay, Chief Scientist of NASA Jet propulsion laboratory, USA, who delivered his inspiring lecture to IEM students on space technologies.



International Kolkata Book Fair

IEM group participated in the 41th International Kolkata Book Fair 2017 held from 25th January to 5th February 2017.

International Book Fair held at Milan Mela grounds, opposite Science City. The IEM-UEM stall was manned by Faculty members and students from Gurukul, Ashram, Management House and UEM. There were many brochures and information leaflets available about the various courses offered at IEM and UEM. Prospective students and their parents visited the stall and interacted with students and Faculty and left very satisfied after hearing about the admissions process.

To enliven the mood, the stall was set up with a live display of all the events of the college and students performed live quizzes and interactive games and gave out posters and t-shirts emblazoned with the IEM logo.

IEM & UEM reaches out to a huge audience through this forum every year.



Industry Academia Innovation Platform - CII Kolkata Chapter

This event took place on the 22nd and 23rd of August, 2016 at 'The Lalit Great Eastern Hotel', Kolkata where IEM-UEM was the co-sponsorer of the event. This was basically an 'Industry-Academia Innovation Platform' for building a society full of young minds, not only based on bookish knowledge but also with an insight of technicalities for enabling the concept of 'Make in India' a success.

The session was attended by our Honourable President of India, Sri Pranab Mukherjee as the Chief Guest along with the Governor of West Bengal, Sri N. Tripathi and Education Minister, Sri Partha Chatterjee.

Eminent personalities and dignities from the field of industry embraced the event and threw light on how the young minds can be put into use for cultivating a modern competitive India by 2050.

The occasion was accompanied by gala lunch and hi-tea where students from different premier colleges were allowed to exchange thoughts and expressions.

Such events are much required for students to provide them an exposure to the outside world



AZADI KE AAR PAR – Street Play

On the auspicious occasion of Independence Day 2016 the entire management campus of IEM echoed as the students of MBA and PGDM first year came together to enact a street play “Azadi Ke Aar Par”. The play showed fragments of our society post independence and how we have long forgotten the teachings of Bhagat Singh and Sukhdev.

The play touched all the grave issues our society is facing at the present day like the shameful incident of Nirbhaya and how the citizens of India came together to support her cause. We also showed the corruption that is prevalent in our system and how the common man is robbed in the name of religion, how people enjoy Bollywood “item songs” and also the damage of the flyover in Kolkata due to faulty construction.

The street play was an attempt by the students to show people how even after attaining independence years ago, we are still being ruled by evil influences.



French Consul General and French Senator of the Parliament in France visited the IEM campus, Management House Campus and interacted with the IEM students. They informed them of the various opportunities for higher studies in France.



SPORTS

✦ **Cricket Tournament:** On 23rd February, 2017, eleven students from MBA 1st year formed a cricket team and participated in the tournament which was organised by ILead Institute. It was a single day Cage Cricket Tournament where 14 colleges participated in men's cricket team. Colleges like J.D.Birla, Bhawanipore Gujarati Education Society, Heritage Institute of Technology participated in the event. The team comprised of Rajarshi, Angkon, Faiz, Sudipto, Rahul, Supratim, Ankit, Kunal, Nabarun, Shankha.

IEM played so well that the team went on to the finals and finished as the runners –up in the tournament. Every member of the team received a runners-up medal and a certificate and a trophy.



✿ **The 27th Annual Sports Meet of IEM group** was held on 08th February 2017 at the Sports Authority of India Complex. The events that followed were :

- Sprint Races: 100m / 200m / 400m / 800m (Mens')
100m / 200m (Womens')
4x100m Relay (Mens' and Womens')
- Long Jump: (Mens' and Womens')
- Tug of War (Students & Staff Event)

Cricket and football were the major attractions and the track events included relays, long jumps, tug-of-war etc.

The management campus premises had Basketball, Table Tennis and Carrom events going on too. Special events were also conducted for the IEM-UEM Staff and Faculty members.

All the students and staff members participated with zeal.

Mr.Manmeet Singh Goindi of Sports Authority India graced the athletic meet with his presence.



IEM faculty members with Mr.Manmeet Singh Goindi of Sports Authority India

Few glimpses of the annual sports meet held at Sports Authority of India grounds on 8th February 2017



THE IEM-UEM MARATHON 2017- MAKING THE UNDERPRIVILEGED SMILE

This year IEM-UEM group was proud to present the **Kolkata Marathon 2017 – Run for Charity**, in association with The Telegraph on 19th February. The event witnessed more than 600 ebullient people who ran in 5km and 10km category. The participants include students and staff from IEM and UEM and various MNCs including many professional marathon runners too.

All profits from the event will be donated to CRY to fund education for unprivileged children.



A coverage of the Marathon on The Telegraph, 21st February 2017



SUNDAY RUN IN SALT LAKE



Runners at the IEM-UEM marathon in association with CRY and The Telegraph in Salt Lake on Sunday. (Bishwanup Dutta)

One day, I read (Haruki Murakami's *What I Talk About When I Talk About Running*). That was my eureka moment.... I started running. Soon, it became a passion.
Cornel Dutta, 27



A former sprinter for the railways, my father's (Matiman Bhattacharyya, 83, in cap) daily workout includes 20 push-ups.
Anjan Bhattacharyya, 54



I weighed around 80kg. I tried plenty of things to lose weight but in vain. A doctor advised me to start running. Now, I weigh 65kg.
Sourav Kashyap, 29, and (right) brother Abhinav, 33



Calcutta hit the road to run

DEBRAJ MITRA

Feb. 20: The first sunrays jostled with the remnants of winter yesterday.

A corner behind City Centre stood in sharp contrast with the quiet prevailing in the neighbourhood as a sizeable crowd — most in T-shirts, shorts and running shoes — did stretches and free hand exercises.

They were all set for the IEM-UEM (The Institute of Engineering & Management-The University of Engineering & Management) Marathon 2017 in association with CRY and *The Telegraph*.

The first edition of the marathon proved once again that running and Calcutta have become inseparable over the past few years as more than 1,500 participants, in-

cluding students, hit the road.

Amit Kiran Deb, former chief secretary of Bengal, flagged off the race. The 5K run from City Centre to Labony bus stop and back touched Karunamoyee and FD Park. The 10K run extended till Godrej IT Park via Wipro bus stop.

Metro brings you snatches from the event.

Murakami moment

Cornel Dutta, 27, whose father was in the army, wasn't into running till a year ago.

"One day, I read (Haruki Murakami's *What I Talk About When I Talk About Running*). That was my eureka moment," the Cognizant employee said.

The memoir is the best-selling author's take on running and writing and how they are intertwined.

"After reading the book, I

started running. Soon, it became a passion," Cornel, who's been participating in marathons since December, said.

His best finish before yesterday's run was in the 10K category of IDBI Federal Life Insurance Kolkata Marathon.

The Phoolbagan resident said he wanted to run a full marathon within a year.

Push-ups at 83

Anjan Bhattacharyya, 54, of Birati completed the 10K run in 58 minutes.

Every time someone asked about the secret behind his energy, he pointed at a man behind him.

Almost everyone mistook the man with a ramrod straight posture as Bhattacharyya's elder brother. But he was Bhattacharyya's 83-year-old father, Matiman.

A former sprinter for the railways, his daily workout includes 20 push-ups, Bhattacharyya Jr said.

For the love of run

Jagannath Mahanta, 19, of Harichandanpur village in Odisha's Keonjhar district got to know of the run on Facebook.

The first-year BSc student travelled more than 302km (188 miles) on a train to reach Calcutta on Saturday evening.

A district-level cricketer, Mahanta said he had been running for the past five years. He took part in last month's Tata Steel Bhubaneswar Half Marathon. Yesterday's run was his first outside Odisha.

Mahanta spent Saturday night at a students' hostel. "My friends study in Calcutta. I stayed with them."

He came fourth in the 10K with hardly any practice. Mahanta said he had a night train to catch but planned to stay longer the next time.

Brothers on track

Sourav, 29, and Abhinav Kashyap, 33, did warming up exercises for the 10K run.

Abhinav, a banker with HDFC, said he had always been focused on fitness. He is into running, swimming and gymming, he said.

Sourav, who's with TCS, said he had been running since a year. "I weighed around 80kg. I tried plenty of things to lose weight but in vain. A doctor advised me to start running."

Sourav who has participated in many marathons this season with his brother, said he now weighed 65kg.

THE 27TH ANNUAL IEM CULTURAL FESTIVAL 2017

The 27th Annual Cultural Festival 2017 was organized successfully by the IEM group members from 27th to 29th of January 2017. It showcased an array of highly talented artists who gave the best of their performances. The major attraction of the 3 day fest was the presence of notable singer Usha Uthup who sparked the show and made the audience sway to her foot tapping numbers.



The fest was held at RabindraTirtha & Nazrul Mancha.

A plethora of events followed like Quiz, Debate, One Minute to fame, T-Shirt Painting, Rangoli, Photography, Tug-of-War and Online Selfie contests which were held on the first day at IEM Management campus.

On the 2nd day, there was a display of Indian Cultures in Rabindra Tirtha.

The 3rd day witnessed a phenomenal performance by Usha Uthup and a number of group dances and band performances.



LIFE AT IEM

IEM FAMILY PICNIC 2016

Every year IEM group organizes a family picnic which is not only as a stress buster but also a way to support workplace morale, relationship-building and retention. This year our picnic was organized on 18th December 2016. Many programs took place on that day. Both faculty members and children participated in many games and winners were given prizes.



BIENVENUE (FRESHERS '16)

This fresher's welcome event in the year, though meant for the first years of the college, also equally involved the seniors. While for the freshers it is their Welcome Bash, their seniors are reminded of their Fresher's welcome. The nostalgia is also a reminder that their time at IEM is coming to a close. Rehearsals, Arrangements, Excitement and Nervousness are the call of the day while the participants gear up for the event held at the Science City Auditorium.

All are present in their best attire, awaiting the excitement and culmination of the event.

With the efforts of all the seniors, cooperation with teachers, help from the Management and Director of the college, this day is very significantly noted in the events' calendar of IEM.



FAREWELL 2016

IEM organizes the farewell for the batches passing out from IEM and celebrates their departure with all good wishes for them and praying for their bright future.

This year too, for the outgoing batch of 2016, IEM organized the farewell at the Satya Sai Auditorium in the first week of May. Cultural evening was organized along with batch photo shoots and a grand dinner. They were also presented with engineer's ring and memento. The students enjoyed the last gathering as students of IEM.



ALUMNI MEET 2016

The Alumni Meet was held on the 30th of December 2016 and all the alumnus of IEM were present from round the globe.

A short cultural programme was arranged by the present batch of students. Our Alumni and a famous Tollywood singer, Prashmita Paul performed.

The event was followed by dinner.



CELEBRATIONS AT IEM

At **IEM** it is not just about studies. We also keep having regular events and celebrations to keep the spirit of students high and motivated.



Basanta Utsav was celebrated by IEM students on 11th March 2017



Teacher's day celebration at IEM campus



Saraswati puja celebrated at IEM campus on 01st February 2017



International Women's Day celebrated at IEM campus on 8th March 2017

IEM in the news in the Telegraph T2 dated 07th September 2016: The most memorable moments of 2016, IEM playing host to Bollywood stars Katrina Kaif and Siddharth Malhotra, much to the envy of every other campus in town.

10 CAMPUS+
BOLLYWOOD



THE TELEGRAPH WEDNESDAY 7 SEPTEMBER 2016

BAAR BAAR DEKHO — THAT WAS THE CHANT AT IEM IN SALT LAKE...



Some jumped to catch a glimpse, some climbed a tree to get a clear view, some kept on clicking pictures, some shouted 'MaaaaaTTTTy Meeeee' — students at the Institute of Engineering and Management did all this and more when Bolly stars Sidharth Malhotra and Katrina Kaif visited their Salt Lake Sector V campus to promote *Baar Baar Dekho*. As soon as word of the star visit spread on August 31, students from different departments started gathering in their basketball ground. Sid and Kat introduced Nitya Mehra, director of *BBD*, and matched steps to *Kala chashma* (picture right). They also gave away some music CDs of the movie, and Rishav Agarwal, a second-year student, even got a *kala chashma* from Sidharth! "We at Institute of Engineering and Management want our students to get all kinds of exposure so that they get all-round education. This is why we have got two of the biggest youth icons — Sidharth Malhotra and Katrina Kaif — to our college. We encourage our students to participate in everything along with studies," said Satyajit Chakrabarti (inset), the director of IEM.



With one hand they waved to their favourite star, with the other they captured the moment on their smartphones. "It was a dream come true for me! I pushed myself to the front row so that I get a clear view. I took pictures and videos and posted on Facebook, Instagram and Twitter," said Supriya Kumari (second girl from left, front row), a second-year student.



"From her smile to her talk, I love everything about Katrina. My room is full of her posters. I was shocked and excited when I got to know she was coming! I waited for more than an hour patiently just to get a glimpse of her," said Dipayan Halder, first-year



"I am a huge fan of Katrina. I still can't believe she was in front of me. I have even lied to my parents and watched her movies first day-first show," said Kumar Shubham, third-year



"Aami tomake bhalobashi," shouted Sidharth before jumping off the stage to shake hands with the lucky students in FROW. "Aaj subah when I saw Katrina, mann kiya main baar baar dekhon. Do watch Baar Baar Dekho first day-first show," Sid urged his fans.

Malancha Dasgupta
Pictures: Shuvo Roychoudhury

MEDIA ACCOLADES





Courses Offered

B.Tech

- Computer Science & Engg. (CSE)
- Electronics & Communication Engg. (ECE)
- Information Technology (IT)
- Mechanical Engineering (ME)
- Electrical Engineering (EE)
- Electrical & Electronics Engg. (EEE)

Other UG/PG Courses

- Bachelor of Business Administration (BBA)
- Bachelor of Computer Application (BCA)
- M.Sc. in Information Science

Ph.D.

- Engineering & Management

M.Tech

- Electronics & Communication Engg. (ECE)
(Specialization in VLSI design)
- Computer Science & Engg. (CSE)
- Information Technology (IT)

MBA (AICTE approved, Affiliated to WBUT)

Dual specialization
(one major & one minor)
HR, Finance, Marketing & Systems

PGDM (AICTE approved, Equivalent to MBA)

Dual Major specialization on HR, Finance,
Marketing, Systems, Transport & Logistics,
and Retail Management

Salient Features

- IEM is a World Bank funded institute and has 100% placement record with many students getting over Rs. 9.2 lakhs per annum.
- Most preferred Private Engineering College in Eastern India and First Private Engineering college in West Bengal to close admission upon commencement of counselling.
- The first Private Engineering & Management College in West Bengal, set up by NRIs from USA & Canada.
- All UG Engineering courses are accredited by National Board of Accreditation, AICTE, Govt. of India.
- Standard of IEM is comparable with IITs & IIMs.
- IEM has highly qualified permanent faculty with a teacher student ratio of 1:15, excellent laboratories, libraries and hostel facilities for boys and girls.
- One of the most preferred college of companies for recruitment.
- Strict adherence to attendance rules and discipline.
- Former Director, Prof. Dr. Satyajit Chakrabarti awarded Indira Gandhi Excellence Award for his contribution to development of Higher Technical Education in India.
- Institute of Engineering & Management Trust (IEMT) has established University of Engineering & Management, Jaipur, Rajasthan. Please contact admission office for details or log on to www.uem.edu.in.
- IEM is affiliated to West Bengal University of Technology and approved by AICTE, New Delhi.
- Interactive Student-Teacher relationship.
- IEM attracts maximum number of Foreign students in Eastern India.

GURUKUL (MAIN BUILDING)



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