**I.T.S Engineering College**  
46, Knowledge Park-III, Greater Noida  
News Letter  
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| Students’ Achievements                                                                                     |

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Guest Lectures

“Bridging the Gap between Industry & Academia” by Mr S. K. Agrawal

A guest session by Mr S.K. Agrawal was organized on January 25, 2016. He is a thinker, and is always filled with creatively strange ideas. He is an IIT Kanpur graduate of 1979. He went on to do a Diploma in Management from Thunderbird USA. He is also trained by Project Management Institute; IIM Cal, AOTS – Japan etc. He has worked in BHEL, Maruti, General Motors and L&T and Iveco.

Mr. Agrawal enlightened the audience with his vast knowledge & experience. He talked about bridging the gap between Industry & Academia. Over the last decade the falling of barriers to international trade and investment has led to a more integrated and interdependent framework of international business. Employers today, as a result, operate in an environment that demands new and constantly developing skills to retain global competitiveness.

There is a need for effective intervention to understand employer needs, variable sector specific skills, training requirements that improve business performance, articulation of business expectations in education institutions and engagement of industry leaders with higher education institutions. Given its mandate, FICCI through the platform of Industry – Academia Convergenceendeavours to bring together higher education institutions and employers to evolve modalities for collaboration with the aim to meet India’s medium and long – term skills and business needs for the 21st century.

It was a proud privilege for the audience to know the methods to bridge the skill gap and Industry – Academia Convergence.

The event ended with a vote of thanks, delivered by Dr. Sanjay Yadav, Dean-DSW.
“Industrial Opportunities: Orientation Programme” by Mr Pramod Suri, Chief Executive Officer & Managing Director, ESSAR Group

The Department of Electronics and Communication Engineering organized a guest Talk on “Industrial Opportunities: Orientation Programme” by Mr Pramod Suri, Chief Executive Officer & Managing Director, ESSAR Group, New Delhi, India on 4 February 2016. This talk started with the welcome speech and bunch of bouquet to Mr Suri by Prof. Dinesh Chandra, HOD ECE Department. This talk was based on Innovative Ideas and Opportunities in industries for the engineering students those are going to complete his/her degree. Mr Suri shared his knowledge and innovative ideas with the students and explained how to avail the opportunity in his/her vicinity. He also explores his experience related jobs and learning the technical things related with the student.

“Branding: What it is and How to do it” by Dr Harsh Vardhan Verma, Professor at FMS, University of Delhi

The MBA department organized a guest lecture on the topic “Branding: What it is and how to do it” by Dr Prof Harsh Vardhan Verma, Professor at FMS, University of Delhi on February 10, 2016. The lecture was delivered. He is an M.Phil and a PhD in Management. He possesses nearly three decades of experience in teaching Marketing. His accomplishments include authoring six books in the area of Service Marketing. He also, regularly conducts training programmes for Indian and Multinational companies.

He began the session with the present time importance of branding. He explained how and why, every business firm is turning to the brands for the purpose of meeting and beating the challenges. He also explained how the brands are the real wealth generators in the twenty first century. He stated relevant examples and cases from the contemporary marketing scene.

The entire programme was interactive and very interesting. The students of MBA participated in the event whole heartedly, enjoyed it and got valuable inputs on the subject of Brand
Management and its importance in today’s competitive business scenario. Students received an idea of how the actual modern day Marketing is all about creation and management of brands. They also learned about the concept of brand, what role brands play in competitive environment and level of interface between customers and brand.

In brief, the programme was educative for the entire audience.
“Earthquake Hazards and High Rise Building” by Dr Raju Sarkar, Professor-DTU

A Guest Lecture was organised by the Civil Engineering Department on “Earthquake Hazards and High Rise Building” by the well-known Professor Dr. Raju Sarkar from Delhi Technical University on March 10, 2016. The presentation was delivered.

The presentation focussed on various earthquake prone zones in India and other countries of the world. It further focussed on the already existing structures in Delhi NCR. It explained how the zone IV, in which Delhi lies, can be affected by any future earthquakes. Students learnt about the basic key terms related to earthquake with reference to figures. Causes of Earthquakes were explained which are mainly due to tectonic plate movements and role of different waves generated from hypocentre during earthquake.

Students got the overview of earthquake classification on the basis of Richter scale magnitude and intensity. After effects of earthquakes that have occurred over time were used to clarify the behaviour of buildings during the disaster and the extent to which they can deform before the final collapse. Overview of earthquake risks was explained in the form of hazard, damages and loss of life, structures and financial assets. Students got to learn about the major challenges that the trending high rise buildings face due to earthquakes and how the damage can be reduced by adopting some methods of earthquake resistant design of buildings and other structures.

Students were motivated to keep an eye on whatever is being built around them so that devastation at the time of earthquake could be reduced by collective efforts of all civil engineers. Students were also motivated to develop their interest in various research areas of earthquake resistant structural design.
“Intellectual Property Rights (IPR) Leveraging and Management” by Mr Tarun Khurana, Managing Partner, IIPRD

An exclusive lecture on “Intellectual Property Rights (IPR) Leveraging and Management” was organized in the Institute on March 12th, 2016. Faculty members of various departments participated in the session. The resource person for this guest lecture was Mr Tarun Khurana, Managing Partner, IIPRD. The aim of the session was to train the faculty with the concepts of IPR, patents and importance of IPR.

Mr Khurana has an experience of over thirteen years in intellectual property subject matters. The session involved concepts like patents, IPRs and trademarks. He also demonstrated patent writing with the help of examples.

It turned out to be a great experience. The faculty received a chance to grasp the views and technical knowledge bestowed upon them by the distinguished speaker of the day. Ms. Priyanka Chawla, AP- CSE department, delivered the summary and concluded the event. Dr. Ashish Kumar presented a token of appreciation to Mr Tarun Khurana before the session ended.
“Natural Language Processing” by Dr. David Pinto

The Computer Science and Engineering department organized an Expert talk on “Natural Language Processing” by Dr. David Pinto.

Dr. Pinto is a technologist, speaker and consultant. He is a professor at the Faculty of Computer Science of the Benemérita Universidad Autónoma de Puebla (BUAP). He obtained his Ph.D. in computer science in the area of Artificial Intelligence and pattern recognition from Spain in 2008. His areas of interest include clustering, information retrieval, crosslingual NLP tasks and computational linguistics in general. He has published more than 70 papers in journals and conferences. He has lead more than 10 granted projects and has supervised more than 30 thesis at different academic levels. He owns 4 products registered at the Mexican author’s rights office.

The talk began with an introduction to the need of Natural Language Processing in this world. Dr. Pinto elaborated on the use and applications of NLP in various fields like robotics and cited various examples and showed clips like Expressions on face of Robot listening to music. He also mentioned the need for learning Natural Language Processing because of its application and utility.

The audience comprised of second and third year students of the CSE branch along with the faculty members. Mr. Abhishek Shivhare, delivered the gratefulness for the presence of Dr. Pinto on the behalf of the department and the institution.
“Trouble Shooting and Safety concerns on Electrical Circuits related to Switchgear & Protection” by Mr Dheeraj Goel, Deputy Manager, GAIL (India) Ltd Noida

A Guest Lecture on “Trouble Shooting and Safety concerns on Electrical Circuits related to Switchgear & Protection” was delivered in the premises by Mr Dheeraj Goel, Deputy Manager, GAIL (India) Ltd Noida, a Government PSU. The event was organized by Electrical & Electronics Engineering Department on March 18, 2016.

Mr. Goel is presently working in MIS and PMCC (Planning monitoring and controlling cell) related to Gas Pipeline on PAN India Bases. He has an experience of 24 years on Switch yard transformers, steam generator power plants, SF6 breakers, VCBs, Air circuit Breakers, HT and LT panels, Electromagnet and Numerical relays, maintenance of Switchgears and such deals.

Mr. Goel delivered the lecture in two consecutive sessions – presentation & discussion. The presentation was focussed on probable faults in Air circuit breaker, CT, PT, Transformer, Bus bars and the occurrences of OC, SC & Earth Fault on electrical machines. This was followed by a discussion session where he emphasized the necessity of basic knowledge and skills for an operational plant engineer in any power plant. The program ran for three hours.

The event ended with a vote of thanks, delivered by Mr Nitin Kathuria, AP- EEE Department.
“Water Proofing and Structural Rehabilitation by Mr R. B. Sinha, Director, Agrani Enterprises

A Guest Lecture was conducted by the Civil Engineering Department on April 04, 2016. The session was delivered by Sh. R.B. Sinha, Director of Agrani Enterprises.

The concepts of water proofing and structural rehabilitation were explained via presentation. The session revolved around the water proofing techniques and the application of it in different kinds of structures. The Audience was enlightened about the process of water proofing and how it can make the structure durable. The topics discussed in the lecture involve water proofing agenda, techniques, advantages, structure rehabilitation and retrofitting methods. The contribution of site survey and inventory preparation was also discussed. The basic methods of retrofitting a structure were explained along with other techniques which could increase the durability of any structure.
“New Dimensions in Road Research” by Mr Ambrish Saurikhia, Principal Scientist, CSIR

A Guest Lecture was conducted by the Civil Engineering Department on April 5, 2016. The guest speaker was Mr. Ambrish Saurikhia, Principal Scientist & Head TMBD Division, CSIR, New Delhi. The topic under discussion was ‘New Dimensions in Road Research’.

A Presentation was delivered to explain the structure adopted by CRRI under CSIR that explains how the division works for the development and improvement of roads in India. Students were introduced to the various categories of roads and how the work is allocated to each category by different departments of execution. Students were also made aware about the different road development schemes like PMGSY, adopted by Government of India to improve the overall structure of roads in different parts of the country.

Various Flagship projects which have been executed by CRRI were stated as an example to students and techniques adopted by CRRI to execute them were explained. Functioning and utility of modern machines towards checking the structural strength and improving the life and performance of roads were explained to students. They got to know about various drawbacks of not having good roads. Work on Indian equivalent of Google Earth, ‘Bhuwan’ by the scientists of CRRI was put forward for the students to examine and the guest speaker explained how it can prove to be useful.

Mr Saurikhia motivated the students to join the road sector. Opportunities were introduced and students were motivated to grab any chance they could get to work with CRRI by clearing the eligibility criteria on the basis of intriguing research work.
"The Advent of 5G Mobile Technology” by Prof S.K. Kak, former VC, Mahamaya Technical University, Noida

The Department of Electronics and Communication Engineering organized a guest Talk on “The Advent of 5G Mobile Technology”. The lecture was adorned by the guest speaker, Prof S.K. Kak, former Vice Chancellor, Mahamaya Technical University, Noida. The session was organized on April 6, 2016 at 11:00am. The session began with greetings. A bouquet was presented to Prof Kak as a token of hospitality.

This session majorly concentrated on ideas related to 5G mobile technology. Ideas floated about the advancement of mobile communication in the field of academic and research purpose. The session was conducted, keeping in mind, the students who are going to complete their B.Tech or M. Tech and who might be interested in the area and might want to participate with further research.

Prof Kak explained to the audience, the techniques to relate advanced technology in academia and avail the opportunity in their vicinity. He also explored his experience related to new technologies in electronics and mobile communication.

As the session reached its end, Director Dr. Vineet Kansal presented a memento to Prof Kak. The institution extended its gratefulness via a vote of thanks, delivered by Prof Dinesh Chandra, HOD ECE.
“Gender Sensitization: New Age Challenges” by Dr Ritu Gupta, National Law University, New Delhi

A Guest Lecture was organized by the Internal Complaint Committee on April 09th, 2016. The distinguished speaker of the program was Dr. Ritu Gupta-Associate Professor, National Law University, New Delhi.

Dr Gupta has authored two books; ‘Sexual Harassment at Work Place’ and ‘Law of Contract’. Both were published by Lexis Nexis and have been in the panel of Reviewers of International Journal of Law in the Built Environment (a referred journal published by Emerald). She had been awarded the ‘REX Karamveer Global Fellowship and Karamveer Chakra Award’ in March 2015 by iCongo (Indian Confederation of NGOs) for her outstanding contribution to women empowerment. She has conducted multiple training programmes, workshops and sensitization programs on various facets of ‘Contract & Project Management’, ‘Banking Frauds’ ‘Sexual Harassment at Workplace’ and such other issues.

The program began on a welcome note, delivered by Dr Rashmi Gupta- Chair person, Internal Complaint Committee. The audience included the Heads of the various Departments, faculty members, staff & students.

Dr. Ritu Gupta began the session with an emphasis on how, in today’s world, there is a great responsibility on educationists and higher education institutions to create awareness about gender sensitization. She discussed the issue of great seminal importance and expressed gender equality concerns which are directly related to women empowerment. Dr. Gupta shared the real life examples of Bhanvri Devi case, Nirbhaya Case, Rupal Bajaj & Aruna Shanbagh case, referring to them as few of the darkest moments in the Indian history with regard to women. She highlighted various provision of Indian Penal Code for women safety & security along with detailed discussions of section 498A. She mentioned how dignity & respect of women can be protected using the tools of law.

It was refreshing for the audience to look at the situation from the point of view of Dr. Gupta. She was presented with a memento as a token of gratitude, followed by a vote of thanks, delivered by Ms Divya Agarwal, AP- EEE.
“Story of Dynamics from Isochronism of Swinging body to Multibody Dynamics” by Prof D.V. Singh, Amity University

The Mechanical Engineering Department arranged a guest lecture on April 11, 2016. The topic of the session was “Story of Dynamics from Isochronism of Swinging body to Multibody Dynamics”. The guest speaker was Prof D.V. Singh, a professor in Amity University.

He explained the science of objects and its evolution and developed from the times of Plato to Bruno, till today’s modification on the topic of inverted pendulum. He used the medium of a presentation to deliver the same. Prof Singh shared his past working experience at various motor bikes companies. He smoothly elaborated the fact that analysed science can change the modern society. The views of different philosophers from past who developed and worked on kinematics and dynamics of moving bodies were also mentioned and discussed.
"Control System and Instrumentation" by Dr Satya Sheel, former Principal, G. B. Pant Engineering College- Pauri (Garhwal)

The Department of Electronics and Communication Engineering organized a guest lecture on “Controls and System – from theory to applications”. The lecture was presented by Dr. Satya Sheel, former principal, G.B. Pant Engineering College- Pauri (Garhwal), India. The session had been conducted on April 21st, 2016 at 02:30PM.

The session began with greeting the guests and the audience. A bouquet was presented to Dr. Satya Sheel by the Head of Department, Prof Dinesh Chandra.

This talk was based on the basic concepts of Controls and System with various aspects related to the same. Dr. Sheel explained the application of control systems in the current industries like robotics, electronics, automation, refinery and such others. Students of second year & third year of the EEE branch attended the session. This was an interactive session with questions flying around about the control system applications. Dr Sheel also shared his experience related to the growing opportunities and new technologies in electronics and electrical engineering.

Mr Prabhakar Sharma, Asst Professor and the organizer of the session, presented a memento to Dr. Satya Sheel. The session ended with an expression of gratefulness on the behalf of the department, delivered by Prof Leena Arya.
“Opportunities in IT” by Mr Rahul Gupta, Project Manager in Sapient technologies and Mr Asheesh Aggarwal, ION Trading Solutions

An interactive session was organized with two industry experts, elaborating the “Opportunities in IT” on May 9, 2016. The guest speakers were Mr Rahul Gupta and Mr Aasheesh Aggarwal who are Technologists, Speakers and Trainers. Mr Rahul Gupta is a project manager in Sapient technologies. Mr Aasheesh Aggarwal works for ION Trading Solutions.

The interaction was taken up by Mr Gupta first. He began with the different IT Work streams. He elaborated on Various IT and Non IT Skills that students should possess to get jobs in IT Industry. He mentioned various career options and new technologies and emphasized on the need of learning various tools and skills that suit the changing need of the industry. Mr Gupta shared his experiences with the students. This was followed by a motivational address by Mr Asheesh Agarwal.

The second year B.Tech students were the major contributors in the audience. Dr. Ashish Kumar, HOD-CSE, delivered the vote of thanks.

Industrial Visits

Visit to JayeshTradex, Modinagar

The Mechanical Department arranged an industrial visit for the third year students on February 2, 2016. The visit was arranged to be at JayeshTradex, Modinagar.

JayeshTradex is engaged in manufacturing and supplies a wide range of plastic bottles, caps and containers for cosmetics, personal care and pharmaceutical product, self-adhesive labels, sprocket punching on chromo paper etc.

The visit was quite an experience for the students. It was both informative and educational.
Visit to Spray Technics, Greater Noida

The Mechanical Engineering department organized an educationally rich industrial visit for the third year students on February 12, 2016. The trip was arranged to the Spray Technics, Greater Noida.

Spray Technics is a leading manufacturer, exporter and supplier in the field of Precision Sheet Metal fabrication. During the visit, students learnt about the various modern manufacturing techniques like CNC Punching, Laser Machining, CNC Bending, and MIG & TIG welding etc.

The visiting session was quite interactional and knowledge enhancing for the students.

Visit to Tejas India Pvt. Ltd., Greater Noida

The Entrepreneurship Development Cell arranged an Industrial visit to Tejas India Private Ltd, Greater Noida on March 5, 2016 and was mainly conducted for the third year students of ECE branch accompanied by Mr Manveen Singh Chadha, AP-ECE.

At the organisation, the visiting team were guided by Mr Birendra Rawat, Factory Head. He gave the students, an introduction of the company which deals in providing an extensive grade of pre-engineering building material such as Sag Rod, Sky Light, Turbo Air Ventilator and Rigid Frame. Students first witnessed the cutting of fabrication sheets through electronic tools and then observed how big rods and frames are used in constructions manufactured by galvanized steel that are corrosion-resistant, eco-friendly, cost-effective and standardization in the production system which provides quality and stability in the prices of materials. The
industry deals in manufacturing of Sag Rod, Sky Light, Turbo Air Ventilator and Rigid Frame. It was a great exposure for the group of ECE students.

Visit to Jakson Engineers, Greater Noida

The Entrepreneurship Development Cell arranged an industrial visit was arranged at Jakson Engineers, Greater Noida on March 5, 2016 for 3rd year EEE & ECE students. The company is located in Greater Noida.

At the location, the team was guided by Mr Sanjeev Sharma (HR Manager) to the conference room where an orientation program of sorts took place. This little introduction included a brief description of the production department, the history, the story of how the company was established and how many products they manufacture.

Jakson Group is one of the leading diversified power solutions providers in the country. The group is a business conglomerate with six business verticals – Generating Sets, Power Distribution, Solar, EPC, Hospitality and Education. The group employs more than 2000 people across India, Nepal, Bangladesh, Singapore and Dubai. With revenue of INR 1450 crores, Jakson's operations in India include four manufacturing plants and an extensive countrywide presence with a wide network of dealers. The company has been consistently expanding into new markets with customer inspired products & solutions with an international reach.

It took about an hour to take a tour of the complete set of production which was followed by an interactional session between the company officials and the students.
Visit to Coca-Cola, Dasna Gulawati Road, Dadri

The students who are being trained in the Rockwell Lab were taken for a field trip to the Coca-Cola establishment on March 7, 2016. The EEE department had organized this visit for the third year and final year students.

The plant was equipped with state-of-the-art equipment to produce the beverages consistently, day in and day out throughout the year passing through rigorous standards of quality.

The process of manufacturing includes key components like extensive treatment of the raw water, preparation of the syrup, the container preparation process and filling, inspection, coding and filling the bottles into cases. The finished product is then dispatched to the warehouse before it departs on to its final destination – the consumer, through a network of depots, distributors and retailers. The waste water is processed through elaborate waste water processing system. The students observed the automatic bottle cleaning machines used to remove dirt from the used bottles which were then sent to the refilling process. A scanning machine is used to remove and destroy the defective bottles from the belt.

Students witnessed the filling unit of fruit based drinks. The drinks were heated and packed. Students also saw the 12000 litres concentrate container kept to prepare carbonated drinks. The carbonated drinks were packed in chilled state. The visit was both informative and intriguing.
**Industrial visit to Honda Cars India Ltd., Greater Noida**

The ECE department arranged a visit to Honda Cars India Ltd., Greater Noida on March 7, 2016 for the third year students.

Mr. Manveen Singh Chadha and 23 other students began the trip at 11:30 a.m. and it took them a little over 15 minutes to cover the distance. The company is located in Greater Noida.

As soon as they reached the location, they were guided by Mr. Nitin Katiyar, Dy. Manager, Welding Department, Honda Cars India Ltd. to the Engine assembly section, Welding section and Robot line section.

In assembly section, students were shown the assembly of all parts and they were informed that 225 cars were produced in each shift and each car passed in $\frac{1}{4}$ second from assembly section.

In welding department students were educated upon the welding techniques. They were told that the company used mild and hard welding which was done through resistance welding. Students were told about six axis robot i.e. six servomotors and all signal controlling PLC. They were informed about the four zones A, B, C, D wherein, A zone creates floors, B zone creates side panels, roof and doors. In C zone, they used bolts for joining different parts and in D zone they performed Press and pneumatic operation. Later, Electro deposition coating is done through charge which prevents rust for 30-35 years and then all models go into buffer storage area and finally painting is done and Quality is checked.

It took almost 1.5 hours to observe the complete set of production which was followed by an interactive query session. The institution appreciates the staff members at Honda who guided students through the tenure of the trip.
Visit to Carbon Continental India Limited, Ghaziabad

The third year students of Mechanical Engineering, along with three faculty members, Mr. Brijesh Kumar, Mr C. Ganesh & Mr. Chetan Dixit, visited Carbon Continental India Limited, which is located in Ghaziabad on March 19, 2016.

Continental Carbon India Limited (CCIL) was formed in October 2000 upon the acquisition by Continental Carbon Company (CCC), USA of the carbon black assets of Oriental Carbon & Chemicals Ltd. Since then, the carbon black manufacturing facility in Ghaziabad, in the state of Uttar Pradesh, has been substantially refurbished. A 15 MW Waste Heat Recovery Power Plant, commissioned in 2008 is co-located with the manufacturing unit and supplies power to the Uttar Pradesh grid. Continental Carbon Company, USA which is recognized as a leader in the development and manufacture of furnace grade carbon blacks has licensed leading edge and environmental friendly manufacturing technology to CCIL.

CCIL has received a steady flow of capital over the years and is now a subsidiary of CCC’s parent; CSRC, a Taiwan based listed company. The CSRC group is the world’s 5th largest manufacturer of Carbon Black.

The visit was educational in every way. It was also, quite an experience for the students to witness the process at such a massive dwelling.
Visit to Sarthak Mechatronics, Greater Noida

The Mechanical Engineering department arranged an industrial visit to Sarthak Mechatronics on March 12, 2016 for the third year students.

Ms Neeti Varshney, AP-EEE and Mr Rohan Srivastava, AP-ME accompanied about 35 students to the site. Sarthak Mechatronics deals in manufacturing and special purpose machines for vendors like Motherson Sumi, Tata, Eicher, Tejas and such others.

Students got a chance to observe and understand the software design of machines on systems with 2D and 3D models. The customized software can vary according to the material and as per the design requirement. In the tool room, students witnessed the manufacturing of tools used in designing special machines. They understood how an automatic lathe machine can prepare tools in a fraction of minute.

They also saw special purpose machines like the ones used for twisting of wire and flatbed scanner of largest size A0. Students were told about different scanners used in machines. The industry deals in manufacturing of machine used in different industries. It was a great exposure for the students.
**Visit to Polyphase Vidyut Control Systems, Udyog Kendra, Greater Noida**

The EEE department organized an industrial visit for the students of third year on March 16, 2016. The students were accompanied by Mr. Rajneesh Gahlot, AP-EEE. The visit was arranged at Polyphase Vidyut Control Systems, situated in Greater Noida.

Students witnessed many electrical equipments such as transformers, circuit breakers, contactors, relays, power factor control panel etc. Because of this visit, students become acquainted with the working of contactors, circuit breakers, relays, fuse wires etc.

The entire experience was beneficial to the students, especially to those who are interested in the field of designing of transformers and power factor control panel. It was quite a scene to understand the importance of power factors in general life and how the reactive power flow can be controlled through the system and thus help in minimizing a regular house’s electricity bill.
Visit to Kunta International Private Ltd., Greater Noida

A visit was arranged to Kunta International Private Ltd. on March 19, 2016. The visit was arranged majorly for the third year students of Mechanical branch.

Kunta International Private Ltd. deals with manufacturing of defence related things. These are one of the leading manufacturers, exporters, importers and suppliers of assorted products. To name, some of their elite products are Rubber Disc Bellows, Aluminium Machined Cavities, Racks & Enclosures and Mobile Light Towers. These products are made by the use of polished raw materials which are sourced from trusted vendors.

Students observed the basic software is behind the functioning of the system. They took a tour and came upon the products that are manufactured in the company, the fields the company deals in, their working and the type of people involved in the process.

The cherry on top of the cake was the special purpose vans which are built on special demand for army, media etc. The students were accompanied by Mr Manveen Chadha, AP-ECE and Ms Eeti Jain, AP-CSE.
Visit to Agnitio Technologies, Noida

Electronics and Communication Engineering branch arranged an industrial visit to Agnitio Technologies on April 5, 2016. The students of second year were the major contributors in the lot that went on the visit.

The experience was incredibly educational for the students. While they understood the functionality of the system, they also got an insight into how the system works. The group visit was very much an experience that the students are sure to use in their professional life.
**Visit to NMRC, NC-02, Fabrication site at Ghari Shahpura**

An Industrial visit was conducted by the Civil Engineering Department for the third year B.Tech students. The visit was conducted in batches of ten, starting from April 6, 2016 and ending on April 11, 2016. The visit was arranged at NC-02, Fabrication yard of the NMRC at Ghari Shahpura.

The process began with a presentation on the fabrication, storage, transportation and installation of pre cast U-type girders, delivered by the Senior Manager, NMRC. Students learnt about the procedures and methods involved in the construction of pre cast U type girders, the procedures and methods involved in the construction of pre cast pier caps, the pre tensioning performed at the site, the specification of materials, grade of concrete and the grade of steel used in the construction of pre cast members.

Students learnt about the admixtures used to make the fresh concrete workable and advanced materials such as High tension cables for pre-tensioning and micro grade silica. Students saw and learned about the construction machinery viz. hydraulic cranes, hydraulic jacks, boom placer and needle vibrators and bar bending machines being used at the site. Students also got to experience structural drawings and bar bending schedule which was being practiced at the site. Students learned about the load carrying capacity of girders, cables etc. and its serviceable life. Students understood the quality control (QA/QC) of construction materials such as curing, concrete cubes for periodic testing. Students grasped the safety precautions being used at the work site.
Visit to Anmol Bakers Pvt. Ltd., Greater Noida

The MBA department arranged an industrial visit at Anmol Bakers Pvt. Ltd. on April 8, 2016. It’s one of the fastest growing FMCG brands in India. The purpose of the visit was to let the students have a practical exposure to the students regarding functioning of the company.

Anmol is the fastest growing manufacturer of biscuits in India with its headquarters at Kolkata. It operates within an all-India sales network of 600,000 retailers and 3,000 distribution channels. It has more than 30 brands and 15 lakh retailers with a turnover of 350 crores with as much as five plants at one place. Anmol is also planning to export its products to Burkina Faso, Vietnam, Oman, Kuwait and Bahrain from April 2016. It has been exporting products in Asia, Africa, Europe and Middle East since the past decade.

Anmol Bakers Pvt. Ltd. seeks to evolve as one of the most trusted and responsible brand leaders in the packaged food industry through continuous improvement, driven by integrity, teamwork, and innovation with a dedicated commitment to the society and the environment. During the plant visit, the Production manager along with his team, addressed all the students and gave detailed information about company history, production, distribution network and marketing activities. Students were accompanied by Ms Himani Goswami, AP-MBA and Mr Sachin Sinha, AP-MBA.

The students also came to know about the vision, mission & significant competitive advantages which the company derives from its vast distribution network over its competitors. At the end of the visit, staff offered various varieties of biscuits to the student.

It turned out to be a good experience with an in-depth learning. The institution expresses its hearty thanks and regards to Anmol Bakers Pvt. Ltd. for sharing their insight into the world of marketing and manufacturing with the students.
Visit to ASEA Brown Boveri (ABB), Faridabad

The department of Electrical & Electronics Engineering, in association with IEEE PES SB, organized a one day visit to ASEA Brown Boveri (ABB), Faridabad. The visit was meant for the second & third Year EEE Students. They were accompanied by two faculty members, Mr Rajiv Ranjan and M. Divya Agarwal. The visit was scheduled on April 12, 2016.

The main objective of the visit was to introduce the students to the design specifications, winding design, rotor design, stator design, varnish impregnation, insulation coordination and manufacturing details of three phase Induction motor.

Mr. Pankaj Singh, Design Engineer, ABB, explained the layout of the plant and different divisions of manufacturing and process control of ABB Faridabad Unit. Mr. Singh also briefed about the manufacturing details and design specifications. He discussed how ABB complies with different international standards like IEEE & IEC to compete in the international market.

After the students became acquainted with the plant, they moved to the manufacturing unit under the supervision of Plant Engineer, Arman. Students also visited the main machine manufacturing plant and observed different manufacturing processes.

Energy efficient technology, adopted by ABB for manufacturing of three phase induction motor, opened new dimensions of environmental concerns for the students.

At the end of the visit, event coordinator Mr Rajiv Ranjan extended the vote of thanks and gifted a token of appreciation to the ABB team on behalf of I.T.S Engineering College, Greater Noida.
Visit to Elin Electronics Ltd., Ghaziabad

Department of Electrical & Electronics Engineering organized a one day visit to Elin Electronics Ltd. for the second & third Year EEE Students. The faculty members accompanying the students were Mr Upendra Agarwal and M. Neeti Varshney. The visit was arranged on April 13, 2016. The main objective of the visit was to educate the students about the various processes involved in manufacturing of Universal Motor, Single Phase Induction motor, Luminaries, LEDs and PCBs.

The group was welcomed by Ms Varuna Iyer, Deputy Manager-HR of Elin Electronics. She briefed the audience about the history, profile, products, policies, turnover and future plans.

The entire group was divided in four sections and sent off to explore the institution, led by the Production Engineers, Mr Vivek Singh, Mr Gaurav Garg, Mr Prashant Tripathi and Mr Jaideep.

The students visited the Luminaries Production Shop. Saurabh Kumar, an alumni of ITS, EEE 2009-2013 batch, demonstrated the various processes starting from metal cutting and framing, electrical connection, plastic moulding and assembly, testing and packaging in detail.

PCB design and fabrication shop were a part of the tour, where students got introduced to latest technologies like SMT Design and fabrication. In LED section, the students were shown various testing methods to understand the performance and assess the life span of the LED.

The main attraction of the visit was the electric motor production where universal motor and Single phase induction motor were in line of production. The students were shown the design, procurement and selection of materials, stator and rotor core machine work, winding, assembling, testing and packaging of universal motor and single phase induction motor.

The visit ended with the vote of thanks by Mr. Upendra Kumar Agarwal, Event Coordinator. A token of appreciation was gifted to the Elin Electronics team on behalf of the institution.
Industrial Visit to AMBIT Switchgear, Noida

Department of Electrical & Electronics Engineering organized a one day visit to AMBIT Switchgear, Noida for third Year EEE Students on April 14, 2016. The main objective of the visit was to educate the students about the PLC PANELS of sizes 415V to 33 KV.

The program was initiated with a warm Welcome by Ms Devina Basu, HR manager of AMBIT. She introduced everybody to Mr Rishab Singh, Production Engineer, AMBIT. He began with explaining the layout of the plant and different divisions for manufacturing and process control of the unit. Mr Singh also briefed the manufacturing details and design specifications of Electrical Panels, Bus Bars and Wiring and the delivery section.

The tour involved the automation controlled sheet cutting unit, powder coating section in the shed, bus bar units, assembling and wiring section, main panel assembling and wiring section.

At the end of the visit, event coordinator Mr Nitin Kathuria and Mr Manish Sharma extended the vote of thanks and gifted a token of appreciation to the AMBIT team.
Visit to Advanced Level Telecom Training Centre (ALTTC), Ghaziabad

An Industrial Visit was organized by the ECE department at Advanced Level Telecom Training Centre (ALTTC), Ghaziabad. It was arranged on April 26, 2016, for the second year students of the department. In order to strike an interaction between the students and the latest developments in Telecom sector, a visit to Advanced Level Telecom Training Centre, Ghaziabad was arranged. ALTTC has the most advanced lab setup in India for telecommunication training.

Assistant Director of ALTTC, Mr Abhishek Gupta briefed about the organization, its various training programs and its infrastructure. The students were taken on a tour of various labs which include the next generation network (NGN) Lab, mobile, CDMA & satellite technologies lab and Optical Fibre Systems lab.

This visit was a chance for the students to understand the various aspects of telecommunication. There turned out to be a good number of students who were interested in a summer internship through this advanced lab. It was a beneficial experience for the Engineering students.

Conferences and Seminars

International Conference on “Advancements and Recent Innovations in Mechanical, Production and Industrial Engineering” ARIMPIE-2016

The Mechanical Engineering Department of the Institute successfully organized 2nd International Conference on “Advancements and Recent Innovations in Mechanical, Production and Industrial Engineering” ARIMPIE-2016, from April 15-16, 2016. The Inaugural ceremony was marked by the presence of patron of the conference, Mr Sohil Chadh; Director of the institute, Dr. VineetKansal; Conference Chair, Dr. Sanjay Yadav; Chief Guest Mr Pankaj Dubey, Managing Director & Country Head, Polaris India Pvt Ltd; Guest of Honour Mr Ravi Shanker Kochak, Addl Member Production Units and Workshops in Railway Board and India Branch Chairman of IMechE UK, Mr Allwyn Peter, Country Advisor, North India IMechE UK. The conference organizing committee members, distinguished invited speakers from academia & industry, head & respective faculty members from various departments, staff and students of the institute also graced the occasion.
The session began with the lamp lighting and Saraswati Vandana. Dr Kansal addressed the gathering emphasizing on the need to have such events and describing its relevance to the researchers in academics and industry. He highlighted that inter-disciplinary approach in academic arena is the need of the hour. Conference Chair, Dr Yadav emphasized that Mechanical Engineering and its allied branches are few of the most versatile and vibrant departments that affects the life of people at different stages.

The main aim of the conference was to promote research and developmental activities in Mechanical, Production and Industrial engineering by holding discussion with experts from Industry and Academia together.

During this occasion, the department also, officially inaugurated the student chapter of IMechE professional society thereby including the college among the list of few premiere engineering institutions of the country having professional society of such global repute.

On the behalf of the organizing committee, Convener of the conference, Dr Mishra presented the objectives and rigorous paper selection procedures that were followed cumulatively in finalizing the event sessions.

The Chief Guest, Mr Dubey from Polaris India, discussed the need of cultivating innovative thinking among the young engineers. The Guest of Honour, Mr Kochak, discussed the scope of innovations and advancements occurred in Indian Railway during the last decade. Prof Kumar from IIT Roorkee and Prof Vinod Yadava from Motilal Nehru National Institute of Technology, Allahabad, emphasized the need of adopting the recent advancements as per the Indian perspectives. The IMechE country advisor Mr Peter highlighted the role of professional societies like IMechE in the nation building by providing a common platform to young engineers for demonstrating their inherent technical talent.

On the second day of international conference on Advancement and Recent Innovations in Mechanical, Production and Industrial Engineering (ARIMPIE-2016) Dr Balani from IIT Kanpur delivered a lecture on the use of nanocomposites in bone transplantation. Dr Siddhartha from NIT Hamirpur, presented a research work for manufacturing of gears Functionally Graded Materials gears. During the conference, a total of 40 research papers were presented from the scholars across the nation. The conference was concluded with certificates distribution to the participants.
Seminar on “Top 10 communication Technology Trends”

Department of Electrical & Electronics Engineering organized a departmental seminar on the topic “Top 10 communication Technology Trends on March 12, 2016. The seminar was hosted by Ms Neeti Varshney. During this seminar, HOD-EEE, Dr. Vinay Kakkar and all faculty members of the department were present. The event was held in the Rockwell and Automation lab of Centre of Excellence-COE.

The seminar was very beneficial for the faculty and staff members. It educated the participants about the latest trends in communication technology such as Cyber Security, 5G communication, Green Communication and Fibre Communication etc.
ISTE Faculty chapter Seminar on “New Trends in Engineering”

Faculty chapter organized an ISTE sponsored Seminar on “New Trends in Engineering” on March 12, 2016. It was led by Dr Anjana Solanki, Executive member of UP Section and Prof Sachin R. Jambhale, Executive Member of UP Section.

The seminar started by welcoming both the guests. Each of the guests was presented with a souvenir as a token of appreciation by Dr Ashish Kumar, Secretary, ISTE Faculty chapter. The guests explored different innovative idea related to ISTE such as FDP, guest lectures, workshops and conferences organized under the umbrella of ISTE sponsorship. He informed the audience about the many opportunities related to ISTE.

As the session ended, a memento was presented to the guest speakers by Prof Dinesh Chandra. The vote of thanks was delivered by Dr Ashish Kumar. The event had been coordinated by Ms Monika Bhatnagar, AP- ECE Department.
Multi-Departmental Seminar

Department of Electrical & Electronics Engineering organized a multi-departmental seminar on February 13, 2016. The seminar topics and deliverers have been listed as- “Facts & D-Facts” by Dr Vinay Kakkar, “Reliability Analysis” by Ms Kalpana Hazarika, “Piezo-electric Sole” by Mr Rajiv Ranjan & “Solar Powered e-Rickshaw using MPPT Controller” by Mr Upendra Agarwal.

During the event, faculty members Mr Nitin Kathuria, Mr Rajneesh Gahlot, Mr Manish Sharma, Ms Neeti Varshney and Ms Divya Agarwal were present among other audience. This session was held in the Rockwell and Automation lab of Centre of Excellence.

This was quite an educational experience with clear descriptions on the concept of Facts & D-Facts in Transmission Lines, Application of Reliability Analysis through Optimization for practical problems, Commercial Viability of Piezo-electric sole and solar powered e-rickshaw in industrial & general life.


The honour of lighting the lamp was handed to the Chief Guest, Dr Ajay Pandit, Former Professor, FMS Delhi University, Dr Gagandeep Arora Dean, Academics, ITSEC, Prof L.K. Verma, Prof Ankur Srivastava and other faculty members. The Seminar began with a welcome address delivered by Dr Gagandeep Arora. He highlighted the objective of the seminar which would provide a platform for discussion and deliberation on various aspects of Changing Paradigm of Management Practices in emerging markets.

Dr Ajay Pandit addressed the students about the emerging marketing trends in Management practices and opportunities. He explained how the marketing tactics have been changed from earlier times to the current scenario. He showed various examples and case studies to the students like Flipkart v/s Snapdeal, Corus Steel, Skoda v/s Volkswagon etc. He also highlighted the scope of marketing for MBA students.

The Keynote Speaker of Technical Session 1, Mr Anil Girotra, Retired Executive Director, Andhra Bank, shared his vast experience and knowledge about banking sector, opportunities in banking sector services, various challenges like poaching of customers, database electronic process, e-commerce and micro-finance in Indian economy.

Post lunch, the Technical Session 2 was picked up by Dr B.B. Das, Retired Commodore, Indian Navy. He shared his views on changing paradigms in emerging trend in education system. He also pointed out the requisites for current education systems and how they should rely on experience based knowledge, types of communication system and technology. He focused on terms like interactive learning, experience based learning, knowledge based learning, research paper based learning and practical based learning.

Another Key note speaker, Mr. Himanshu Arora, Senior Manager, Religare Enterprises, shared his views on “Commodities: Changing Fundamentals”. He explained that there is a need to diversify portfolios beyond shares, bonds, real estate and commodities. He also discussed factors affecting commodities future market globally like dollar Index movement, central bank interest rate decision, special measures to control market, asset pricing linked to inflation and shares.

The seminar concluded with the vote of thanks which was delivered by Ms Himani Goswami. She thanked all the dignitaries and faculties for sparing their valuable time and making the seminar an informative session. She motivated and encouraged students for more participation and to perform well in their life.
Workshop on “World Culture Festival and Mind Matters”

A workshop was organized by the institution on February 15, 2016 on the topic “World Culture Festival and Mind Matters”. Mr. Rahul Pandey was the chief speaker of the event.

Mr Pandey began his interactive session with a briefing on World Culture Festival (WCF). He shared that Art of Living is celebrating its 35 years of service and organizing the biggest extravaganza in the history of mankind - The World Culture Festival, from 11th-13th March, 2016 in New Delhi. The world cultural festival brings 3.5 million people together from 155 countries to showcase their rich culture, music & dance forms. He invited the students and faculty members (audience) to WCF.

He also elaborated on various mind management techniques that Art of Living offers through its workshops. He told the students about breathing techniques for enhanced concentration, better memory, healthy body and stress free mind. Further he told students how to break barriers of habits, addictions and inhibitions. He practically demonstrated meditation and breathing techniques. This was followed by an interactive session with the audience.
Workshop on “Service Oriented Architecture (SOA)”

The Computer Science and Engineering department organized a Workshop in association with IEEE Student Branch on the topic “Service Oriented Architecture (SOA)” on February 17, 2016.

The guest speaker for the day was Mr Vivek Sharma. He was greeted with a bouquet of flowers by Dr Ashish Kumar, HOD-CSE.

Mr Vivek Sharma is a technologist, speaker and trainer. He is an experienced Automation Architect with 13 years of IT Automation Experience and is a certified ISTQB & HP Quick Test Professional, HP Load Runner, IBM RFT & SIX Sigma White Belt Certified. He is presently working as an Automation Manager of the solutions arm of Quality Assurance and Testing Services group at Kronos Solutions India Private Ltd. His expertise is in assessing the automation requirements and design, developing test automation artefacts and implementing the automation framework for clients and providing solutions for various technologies such as ORACLE, Siebel, JAVA, .NET, Middleware. He is involved in developing the automation road map for automation activities for clients, lines of business and products, including detailed strategies, plan and implementation guidelines. He has implemented automation framework for multiples applications and systems to support functional, smoke and regression testing for SOA and Web Application.

Mr Sharma began by explaining the fundamentals of Service Oriented Architecture (SOA). He elaborated how a service-oriented architecture (SOA) is an architectural pattern in computer software design in which application components provide services to other components via a communications protocol, typically over a network. He elaborated about effective use of market-leading development tools to create and consume web services. He also illustrated how to analyse the requirements of a medium-difficulty programming task, and create software that meets the requirements. He focussed on the need of learning various recent tools and skills according to the need of industry.
Workshop on Software Engineering

A workshop on ‘Software Engineering’ was organized by the Computer Science & Engineering Department on February 18, 2016. The event was led by Prof Rakesh Missra.

Mr. Missra began the workshop by giving an introduction to software engineering. He then described about the subsequent workshops planned for the students, which included detailed topics like Software Development Methodologies, Testing, Software Quality Assurance and Maintenance. He divided the students into teams of 5-6 people, each having a team leader who was supposed to be the single point of contact (SPOC) all throughout the workshops. The teams were asked to develop a mini blog to replicate all the phases involved in software engineering.

The student teams were divided into client side and developer side for a mock session wherein they had to state requirements during the requirement engineering phase of SDLC (Software Development Lifecycle). Also, the teams were asked to submit their topic of blog development along with their team names by the next week.

Mr Missra also discussed the emerging need of software engineering in the industry, the lacking levels of interpretation during requirement gathering, analysis and design phases. He stated the best practices that should be followed to improve the entire SDLC process so as to deliver the product on time and within the defined budget.

The need of role assignment during different phases of SDLC was discussed. It was concluded that each role had its own different tasks to be accomplished, hence should be mutually exclusive.

Finally a vote of thanks was extended by Ms Jayati Gulati.
Workshop on “Electrical Machine Learning”

A workshop on “Electrical Machine Learning” was organized by the Electrical & Electronics Engineering Department on February 23, 2016. The guest speaker for the day was Dr Amit Kumar Jain.

Dr Jain is an alumnus of I.I.Sc Bangalore who is presently working as Assistant Professor in Department of Electrical Engineering, IIT Delhi. His areas of interest are AC drives, Automotive Electronics, Renewable Energy etc. He was also associated actively as a Research Engineer in General Electric Global Research Centre from 2010-2012.

Dr Jain has contributed to various publications in various international journals & conferences on advanced techniques of Conventional Motor controls. Along with, he has also achieved one U.S Patent & one Indian Patent on synchronous motor drives.

The program started on a note of greetings to Dr Amit Kumar Jain and the members of the faculty and the audience by Dr Vinay Kakkar, HOD- EEE.

Dr Jain delivered the workshop in two consecutive sessions. The first session comprised of a presentation & a discussion on “Operation, Modelling and Control of Permanent magnet Synchronous Motors” followed by a query session for an hour. In the second session, he demonstrated the MATLAB-SIMULINK based simulation on "Permanent magnet Synchronous Motors in CAD Lab of EEE Department.

The event ended with a vote of thanks, delivered by Mr Rajiv Ranjan, a senior faculty of EEE Department.
Workshop on “Data Science & Machine Learning using Python”

The Computer Science and Engineering branch organized a workshop on “Data Science & Machine Learning using Python”. It was hosted by Mr Jaidev Deshpande under the flagship of ACM ITSEC Chapter and was organized on March 4, 2016.

Mr Jaidev Deshpande is a Data Scientist at Cube 26 which is situated in New Delhi. Mr. Deshpande has worked on many projects in machine learning and computer vision. He is Co-founder of a forum for scientific computing in Pune. He has contributed several research publications in International/National Conferences. Mr Deshpande has delivered several talks and tutorial sessions on Python and data analysis.

The program opened on a welcome note delivered by Ms Pooja (Vice-Chair, ACM ITSEC) and Ms Priyanka Chawla (Faculty Sponsor, ACM ITSEC).

Mr Deshpande began by talking about basics like feature extraction, dimensionality reduction, unsupervised and supervised learning. He then followed by demonstration of model selection and evaluation using Python. He also emphasized the need of learning various recent tools and skills according to the need of the industry. This talk was followed by hands on experience to the participants on Python.

The third year students of CSE/IT branch attended the workshop.

As the event neared its end, Ms Lubna Ansari, AP-CSE extended a vote of gratefulness. Dr Ashish Kumar, HOD-CSE/IT extended the token of Appreciation to Mr Jaidev Deshpande.
Workshop on Virtual Lab

A Workshop was organized with the efforts of multi-departments including Mechanical Engineering, ECE Department and EEE Department. The topic of the day was ‘Virtual Labs’ and it was scheduled on March 09th, 2016.

There were four guests of honor, namely Mr Tanmay Tarun Das- Sr Project Assistant, Virtual Lab, I.I.T Delhi, Mr Sanjeev Soni- Mr Field Engineer, Virtual Lab, I.I.T Delhi, Mr Jithin Lal- Mr Field Engineer, Virtual Lab, I.I.T Delhi, Mr Prateek Sharma- Sr. Field Engineer, Virtual Lab, I.I.T Delhi from Vlabs, IIT Delhi.

These four speakers were present to represent the sole motto of Vlabs and introduce the requirement of this Virtual lab in the College Campus. The co-coordinators of the event were Md Rashid Mahmood (AP-ECE), Mr Rathin Dutta (AP-ME), Ms Rubina Shahin Zuber (AP-ECE) and Mr Upendra Kumar Agarwal (AP-EEE).

The presentation put forth was used by the experts to discuss things like modelling the physical phenomenon by a set of equations and carrying out simulations to yield the result of the particular experiment. They focussed on how this can, at-the-best, provide an approximate version of the ‘real-world’ experiment. It also focussed on providing measured data for virtual lab experiments corresponding to the data previously obtained by measurements on an actual system, remotely triggering an experiment in an actual lab and providing the student the result of the experiment through the computer interface. This would entail carrying out the actual lab experiment remotely.
Workshop on Software Engineering

The Computer Science and Engineering Department organized a workshop on ‘Software Engineering’ on March 10, 2016. The workshop was led by Mr Rakesh Missra from Missra Consultancy.

Mr Missra was welcomed by Dr Ashish Kumar, HOD, CSE Dept. The pre-lunch session started by introducing the students with the basics of software engineering and its requirements. The students were then divided into teams of six, each team having 4-5 participants. They were given the task to prepare a blog on WordPress by taking down requirements from the opposite team. The teams came up with blogs on- Requirement Analysis, Network Security, Attendance System, Examination System, Bookstore and Photography. The teams then reviewed each other’s blog, pointing out the gaps and the missing features. This summed up the Requirement Gathering phase.

The post-lunch session was based on testing the application, i.e. the student made blogs. Testing was discussed in the forms of unit testing among unit, integration and system testing and load Testing. The agile methodology of development was compared with other traditional methods like waterfall, iterative, evolitional and RAD. A few tools like JIRA for project management for agile developers, Selenium and Unified Functional Testing (UFT) for testing, Load Runner for Load Testing and Zephyr for QA were discussed briefly.

The session was concluded with a vote of thanks extended by Ms Jayati Gulati thanking Mr Missra for his valuable time and efforts.
Workshop on “High Performance Computing”

Computer Science and Engineering department organized a workshop on “High Performance Computing” on March 16, 2016. It was headed by Mr Srikanth Yalavarthi from Wipro.

The program opened by welcoming Mr Srikanth Yalavarthi by the kind words of Dr Ashish Kumar, HOD-CSE, followed by a brief introduction of the guest. Mr Srikanth Yalavarthi is a renowned Technical Specialist with over 7 years of experience in High Performance/Grid Computing & Parallel Programming. He possesses extensive practical, hands-on-experience in deploying high performance computing clusters with specialization in Compilers, Libraries, MPI, Schedulers, Applications, Lustre Parallel File System and Parallel Programming.

The workshop began with explanations about the need of high performance computing. Mr Yalavarthi informed how, in the world of HPC, every enhancement in the processor performance creates an opportunity to accelerate the pace of research and development – and researchers, scientists, and engineers around the world are using high performance computing (HPC) clusters to push the boundaries of knowledge and innovation—and they need even higher performance to solve today’s increasingly complex challenges.

He elaborated on parallel programming paradigms, shared memory programming with Open MP, distributed memory programming with MPI and Parallel Libraries. This was followed by demonstration session on Open MP and MPI.

As the workshop ended, Mr Ritesh Srivastava, presented a souvenir to Mr Yalavarthi and thanked him on behalf of the institution.
Workshop on Software Engineering

A workshop was organized on April 12, 2016. The topic for the workshop was ‘Software Engineering’. The prime guest of the occasion was Mr Rakesh Missra. He is from Missra Consultancy and was invited specifically by Dr Ashish Kumar, HOD, CSE Department.

The pre-lunch session was initiated with the revision of software engineering. The discussion started with various quality models, like, McCall, Boehm’s quality model. The quality features and attributes were mentioned briefly. QA (Quality Assurance) v/s Quality Control (QC) was demonstrated via various examples. The entire SQA process was found to be proactive in its approach, while SQC was found to be a reactive process. Various Software Quality Frameworks like ISO, CMMI, ITIL etc. were introduced. The best practice followed in industry in terms of implementing quality was discussed as an important point during the talk. Guidance on career options in this domain was also briefed upon.

The post-lunch session was based on maintenance approaches followed during SDLC. Maintenance is considered an important phase as after the software is up and operational there might be changes in the software which may affect other parts of the software. This might require additional testing. Light was thrown on different types of testing as well. Software Configuration Management and the Change Control Processes were discussed in reference with maintenance. Size estimation measures like COCOMO model and its need were also explained.

The best practices, tools and techniques used in the industry were the main point of discussion. The session was concluded by a vote of thanks, extended to the guest by Ms Jayati Gulati for his valuable time and efforts.

Summer Workshop: Professional Communication Training for B.Tech 1st Year Students from 15-30 June 2016

I.T.S Engineering college has a clear aim and vision to prepare the budding engineering graduates from the beginning i.e. First year onwards so that by the time they complete their four years degree program, they are already skilled and groomed and ready to enter the corporate world. In this respect institute has partnered with a Skill Enhancement Company which develops and trains youth and makes them industry ready. With the requirements for
trained professionals in all the domains of industry being on rise, training forms the cornerstone for any organization to compete and survive in the market.

Faculty Development Programme

FDP on “Innovative and Advances in Power Systems and Control Engineering”

The Electrical and Electronics Engineering department organized a Faculty Development Programme on the topic “Innovative and Advances in Power Systems and Control Engineering” from 2-7th May, 2017. The objective of the event was focused on the enhancement of the quality of the professional performance of the faculty members and implementation of curriculum in their roles as facilitators and to update content knowledge in the respective domains. The event started with the lamp lighting ceremony in which, all the dignitaries participated. This was followed by bouquet distribution by Director Sir, Dr Vineet Kansal to Dr Vijendra Singh (Professor, NSIT-Delhi) and Dr Asha Rani (Professor, NSIT-Delhi). The convener of the event, Dr Vinay Kakkar briefed the audience about the event and its importance. Dr Vineet Kansal welcomed the gathering with his inspiring words.

Dr Vijendra Singh took a session on the topic “Dynamic Simulation and Control of Processes”. Dr Asha Rani hosted a session on the topic “Inferential and Intelligent Control of Processes”. Prof from IIT Roorkee, Dr Manoj Tripathi took a session on “Requirement and contribution of AMR application”. Dr Prerna Gaur from NSIT Delhi took a session on “Intelligent motion control on Permanent magnet AC motors”. Dr N. K. Jain (DTU) spoke on “Particle Swarm Optimization and its application to economical load dispatch and load flow studies”. Prof (Dr) A. S. Siddiqui took a session on “Application of SCADA in power
system”. Prof (Dr.) Madan Mohan Tripathi from DTU, Delhi spoke on “Requirement and contribution of AMR application”. Dr G.L. Pahuja spoke on “Reliability Engineering, Modelling and Evaluation”. Dr Tariqul Islam from JMI, New Delhi spoke on “Surface Acoustic Wave Sensors”. Dr. P.C. Pants spoke on “Renewable Energy Perspective in India and Energy Storage”.

The entire program was a five day affair.

All the sessions were very knowledgeable and enhancing for the faculty members and surprisingly fresh as well. The interactive sessions ended with the memento and certificate distribution along with the vote of thanks by the coordinator of the event Mr Upendra Agarwal.
One Week FDP for ME department on “Thermal Engineering Applications”

A one week Faculty Development Programme (FDPs), sponsored by Dr A.P.J Abdul Kalam Technical University, Uttar Pradesh, Lucknow, was conducted in three different engineering disciplines starting from January 4, 2016. The basic objectives of the programme is to enhance the quality of classroom delivery of academic programs being run by the University and to foster a better environment for Research and Innovation in the Academic Institutions. The Department of Computer Science & Engineering, Electronics and Communication Engineering and Mechanical Engineering respectively organized FDPs on Machine Learning and its Applications, Wireless and Microwave Engineering and Thermal Engineering Applications in between January 04 and January 09, 2016.

The ceremony was marked by the presence of Director of the Institute, Dr Vineet Kansal, Dean Students Welfare, Dr. Sanjay Yadav, distinguished speakers, Prof G. N. Tiwari from I.I.T Delhi, Prof Sanjay Mathur from G.B. Pant University of Agriculture & Technology, Pantnagar and Dr Anurag Singh Baghel from Gautam Buddha University, Gr. Noida. Head of Departments of various engineering disciplines from host institute and other engineering colleges, faculty members of the parent institute and faculty participants from other reputed engineering colleges also graced the inaugural session.

The session began with the traditional lamp lighting and Saraswati Vandana followed by a welcome speech by Dr Sanjay Yadav. Institute Director, Dr Vineet Kansal addressed the gathering emphasizing the need to have such academic events in the college. He elaborated that such events not only encourages the faculty members to maintain their intellectual curiosity but also helps them in adapting to the changing roles in initiating and setting the directions for curricular changes.

On the first day, i.e. January 4, 2016, Prof. G. N. Tiwari, Centre of Energy Studies, Indian Institute of Technology Delhi delivered an interactive lecture on Photovoltaic (PV) Modules and its Applications. Dr. S. S. Bahga, Department of Mechanical Engineering, IIT Delhi guided the participants about ‘Lubrication theory’ analysis in heat transfer.

On the second day, Dr M. N. Karimi, Professor, Department of Mechanical Engineering, JMI Delhi delivered a lecture on the “Different Cycles & other Research Options”. Dr A. F. Sherwani, Assistant Professor, Mechanical Engineering Department of Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi, delivered the second session on the topic “Solar Energy Assessment and Application”.

On the third day, Prof Naveen Kumar, Mechanical Engineering Department, Delhi Technological University, Delhi, delivered a session on “Algae Biofuels: Myth or Reality”. Dr. P M V Subbaravo, Professor and Associate Dean Hostel Management, IIT Delhi, delivered a very informative lecture on deeper learning of thermal engineering application through Computational Fluid Dynamics (CFD).

On the fourth day, Dr Prabal Talukdar, Associate Professor, Department of Mechanical Engineering, IIT Delhi, illuminated the participants on “Modeling of heat transfer inside porous media at high temperature”. Dr Ravi Inder Singh, Assistant Professor, Department of
Mechanical Engineering, BITS Pilani, focused on the ‘Application of CFD in thermal power applications industry’.

On the fifth day, Dr Varun Goel, Assistant Professor, Department of Mechanical Engineering, NIT Hamirpur delivered lecture on “Introduction to Heat Transfer: Theory and Practices”. Dr. Siddhartha, Assistant Professor, Department of Mechanical Engineering, NIT Hamirpur discussed about the “Performance Optimization of solar heater using Unorthodox Techniques”.
University Sponsored One Week FDP for ECE department on "Wireless and Microwave Engineering"

A one week Faculty Development Programme (FDPs), sponsored by Dr. A.P.J Abdul Kalam Technical University, Uttar Pradesh, Lucknow, was conducted from January 4, 2016 on "Wireless and Microwave Engineering".

The first session was based on the topic “Smart Antenna for Wireless Communication” and was delivered by Dr Sanjay Mathur. He discussed efficient use of radio spectrum for ever growing demand of increased channel capacity.

The second session was based on the topic “QoS issues and Network Analysis using NS -2” and was delivered by Dr Karan Singh.

The sessions on the second day of the FDP were filled with topics like “Transmission lines – hysteresis, perturbation theorem, Boltzmann equations and Yang Mills theory” and “Optimum (Wiener) Filters”, delivered by Dr Harish Parthasarathy, NSIT and Dr Tarun Kumar Rawat, NSIT, respectively.

On the third day, the session was based on the topic “VANETs -Vehicular Area NETworks”, delivered by Dr. D. K. Lobiyal, SC & SS, JNU. The session on the fourth day was based on the topic,“Digital Image Processing using MATLAB” and was delivered by Dr Umesh Ghanekar.

The fifth day’s session was based on the topic, “MEMS Switch using finite element analysis software – ANSYS/Multiphysics”, and was delivered by Dr Navaid.

The next day’s sessions included“Rectangular Dielectric Resonating Antenna” by Dr Yaduvanshi, “Micro strip Antennas” by Dr B. K. Kanaujia and “Metamaterials – concepts and applications” by Dr N. S. Raghava.
One Week FDP for CSE department on “Machine Learning Techniques & its Applications”

University Sponsored one week FDP on “Machine Learning Techniques & it’s Applications” started from 4 Jan 2016.

First session of January 4, 2016 was on the topic “Computing with Artificial Neural Networks” and was initiated by Dr Anurag Singh Baghel, Assistant Professor, GBU, Greater Noida comparing Artificial Neural Networks with human brain. He elaborated on working and training of single layer and multilayer Neural Network. The second session was on “Nature Inspired Techniques and Applications”, initiated by Dr T. V. Vijay Kumar, Professor, JNU, New Delhi.

1st session of January 5, 2016 was on “Embedded Intelligence and IoT” by Dr Jayadeva, Professor, IIT Delhi. Post lunch session was on “Support Vector Machines” for Pattern Classification Problems, initiated by Dr S. Balasundaram, Professor, School of Computer & Systems Sciences, JNU, New Delhi.

1st session on January 6, 2016 on “Neural Network with MATLAB” was initiated by Dr Manu Pratap Singh, Professor, B. R. Amedkar University, Agra. 2nd session was on “Signal Processing & Machine Learning” initiated by Dr. Angshul Majumdar, Professor, IIT Delhi.

1st session of January 7, 2016 was on “Machine Learning applied to Text Processing” and was initiated by Dr Vivek Kumar Singh, Professor, Department of Computer Science, BHU, Varanasi. The second session was on “Learning Semantics from Text using Word Space Model and Random Indexing” and was initiated by Dr Niladri Chatterjee, Professor, Department of Mathematics, IIT Delhi.

1st session on January 8, 2016 was on “Introduction to Map-Reduce and Join processing”, initiated by Mr. Himanshu Gupta from IBM Research, India. 2nd session was on “Computational Intelligence (CI)”, initiated by Dr Jagdish Chand Bansal, Assistant Professor, South Asian University, New Delhi.

Finally, Dr Vineet Kansal, Director and Dr. Ashish Gupta, HOD CSE/IT congratulated and concluded the event by allotting certificate of participation to all FDP participants.
Technical Events

Inter college Technical Fest “SANGANIKA-2016”

CSE Department Society “Avant Garde” organized an inter college Technical Fest “SANGANIKA-2016” on March 17, 2016 in association with the Computer Society of India, Student Branch. Mr Ankur Saxena, Convener, Avant Garde, CSI Student Branch and event coordinator of Sanganika 2016, welcomed Dr Arun Sharma, Chairman-CSI Ghaziabad Chapter, Mr Vikas Srivastava, Treasurer-CSI Ghaziabad Chapter & Mr Rakesh Missra-Secretary CSI Ghaziabad Chapter.

The technical fest comprised of four events namely, Web War, ITSEC-COC-2016, Technical Quiz and Techno Masti.

There were more than 150 students who participated in various events. The students were from GNIT, Galgotias College of Engineering & Technology, G.L Bajaj Inst. of Technology and Management and other colleges as well. The objective of the festival was to create forum for the students comprising of all elements of experiential learning, to test their intellectual skills, simultaneously opening avenues for sharing mutual experience, skills and talent & to reach their collective and individual aspirations, in the field of technology and other activities on a common platform.

Winners of all four events were given Cash prizes and certificates as follows:

**Code Optimization Challenge:**
1st Prize -Kirti and Ashmita of ITSEC
2nd Prize -Shivam and Tejas of G. L. Bajaj Inst. of Technology and Management

**Web War:**
1st Prize -Anubhav and Harsh of ITSEC,
2nd Prize -Nikhil and Rahul of ITSEC.

**Techno Masti:**
1st Prize -Vikrant and Priyank of ITSEC,
2nd Prize -Omkar and Vaibhav Satti of ITSEC.

**Technical Quiz:**
1st Prize -Sameer Khan and SagarGoel of ITSEC,
2nd Prize – Shahbaz Haider and Parvaiz Khan of ITSEC

At the end, Mr Ankur Saxena congratulated the winners and concluded the event.
“e-Quest” An Inter college event by IEEE, MTTS Student chapter

The IEEE via I.T.S. Engineering College organized “e-Quest”, an inter college event on April 9, 2016. The inaugural ceremony was graced by the presence of Dr Vivek Dwivedi, Asst. Professor, Jaypee Institute of Information Technology, Noida and Mr Siddharth Deshwal, Design Engineer, ARM Noida. A token of gratitude as a bouquet was presented by Prof Dinesh Chandra, HOD-ECE to the chief guest, Dr Vivek Dwivedi.

Dr Vineet Kansal, Director advised the students about the importance of such an event which provides a great platform to enhance technical knowledge and creative thinking. It was followed by a speech from Prof Dinesh Chandra (Head ECE) who too, encouraged students by elaborating on the importance of such an event which emphasizes team-building skills at a formal training session. In the inaugural speech, Dr Vivek Dwivedi stressed on the importance of multiple carrier orthogonal frequency division multiplexing and its applications. As per Mr Siddharth Deshwal, this type of event advances the professional standing and informal delivery style of the students. Right after that, the student coordinator explained the rules of all the three events including aptitude, treasure hunt and presentation.

Finally, a thank-you note was offered by Jugul Kishor GuptaE, AP-EC. The event concluded with the prize distribution ceremony for the winners in each category in the presence of Dr Vineet Kansal, Prof Dinesh Chandra and all the faculty members of the department.
TechnoBuzz – A Technical Quiz Competition by Ergon Society

Ergon Society of Electronics and Electrical Engineering (EEE) department organized a Technical Quiz Competition on March 14, 2016 on the occasion of Sir Albert Einstein’s birthday.

The aim was to develop quick response ability and creativity in the participants towards understanding the electrical devices and their applications in a limited span of time. The event was graced by honourable HOD, Faculty members, Alumni of EEE 2014, Ms Sakshi Solanki and other students. In the event, the participants had to clear three rounds of quiz. The first round was elimination round. Teams were formed in the further rounds.

Around 45 students of Electrical and Electronics Engineering participated in the event. There was tough competition among all young engineers. Finally, 8 students were shortlisted for the second round. There was a tie for the second Position. The tie breaker question was decided upon by Ms. Solanki.

The winners were:

First Prize: Neshav (EEE- III year) and Ratnesh (EEE- II Year)

Second Prize: Usha and Shreya (EEE- II year)

The Token of Reverence was presented to Ms Solanki by the HOD. The event was a success due to the efforts of the student coordinators Abhay Sharma, final Year and Arvind Kumar third Year and the faculty coordinator Ms Neeti Varshney.
Debate Competition on “Role of women in Technology”

Electronics and Communication Engineering department organized a Debate Competition on March 8, 2016 on the topic “Role of women in Technology” under the banner of Envision – A Student activity club on the occasion of International Women’s Day.

This competition started with greetings and warm welcome of students and faculty members. The students were very enthusiastic to put forth their views. The debate competition was based on any current topic related to women empowerment, smart city, digital India etc. The participants cited many examples along with their points.

At the end, Dr Leena Arya, Professor of ECE department concluded the event with her wise words and by announcing the winners. Vikash Kumar of IInd year won the 1st prize, IIInd prize went to Saksham Katyal of IInd yr and IIIrd prize went to Rachit Vishnoi of IIIrd yr. Coordination of this event was credited to Ms Monika Bhatnagar, AP- ECE Department.
Poster Maniac – A Technical Poster Presentation Competition

Department of Electronics and Communication Engineering organized an event by the name of Poster Maniac – A Poster Competition on February 12, 2016. The event was organized under the banner of Envision- The ECE Student Activity Club. This event was meant for the 2nd, 3rd and 4th year students of ECE branch.

The event was to show the capability of the students to express advancement in technologies through Technical Poster Presentation. The judges of this competition were Dr Leena Arya, Associate Professor, Dr Rubina Zuberi, AP and Mr Prabhakar Sharma, AP-ECE Department. Prof Dinesh Chandra, HOD- ECE Department motivated the students to come forward and participate in this kind of events.

The first prize went to 4th year students, Sonu Kumar, Surbhi Kumari, Varun Kumar Sharma and Raghav Kumar Jha, 2nd prize went to a 2nd year student, Amulya Anurag and 3rd prize went to 3rd year students Robin Goyal and Vinay Mishra. The coordination of this event had been performed by Ms Monika Bhatnagar, AP-ECE Department.
Annual Fest “UDGHOSH 2016”

Come month of February and I.T.S Engineering College is abuzz with its most awaited event of the year the Annual Fest UDGHOSH - a unique blend of Cultural, Literary and Sports extravaganza.

Day 1: 19th Feb

The Day-1 of the fest commenced with an inaugural ceremony at 9:00 am. The event had Chief Guest Sri Bacchu Singh, City Magistrate, Gautam Budh Nagar, Dr. R.A Yadav Advisor ITS- The Education Group, Dr. Vineet Kansal, Director I.T.S Engineering College as its distinguished personage.

Shri Bacchu Singh came forward to address students of ITS, wishing their future prosperity and good luck for the fest and said that such activities and events help the students to display their talents. Dr. Vineet Kansal, Director of ITS Engineering College, in his welcome address thanked Mr. Bacchu Singh from the bottom of his heart for coming and blessing the students of ITS.

The dignitaries on the dais were then invited for torching the cauldron accompanied by the release of balloons in air which symbolises ones unwanted emotions being cast away. This was followed by March past in which large number of students participated showcasing youthful fervour and dynamism.

Thereafter the day unfolded with inaugural motivational singing performance by the very own band of ITS Engineering Club, Sargam. Ehsaas-The Dramatics Club presented a street play which sent out the message to nourish and nurture our Mother Earth.

Following the Cultural Events the Sports Events commenced. The Finals of Tug of war (girls) and 100M Sprint (Boys & Girls) were held which revealed the athletic face of many students.

The Day-1 of Udghosh-16 bathed the campus with color and vibrance. Various events from sports to literary and fine arts to photography were welcomed with huge participation. Numerous events such as theme based photography, Picture of the Day were totally new concepts and have been introduced for the first time. Events such as Dramebaz and Word
Magic marked the intelligence, presentation & out of the box thinking capabilities of participants, these were totally new and one of its kind type of events.

Popular and generic events of Udghosh—“Sangram, Flipside, Roadies” remained a hit as they were last time. The highlights of the day were Intercollege Literary Event—‘Chai pe charcha’ and cultural event ‘Ban free-Hand’ in which various colleges of NCR region participated with zeal and enthusiasm.

**Day-2: 20th Feb**

Day-2 of the Fest started with great hustle among the students, coordinators, participants and faculty teams. The programme commenced with lamp lighting ceremony by the HOD’s of various depts. The Graceful lighting of the lamp accompanied by Saraswati Vandana marked the ceremonial beginning of final day.

We had Mr Anil K Tyagi, Senior GM & Plant Head as the Chief Guest of the day along with Dr R. P. Chadha, Chairman-ITS The Education Group. The Day opened with a series of cultural events like dance and music. Sargam, the music club organised a solo singing competition which enthralled the audience by its sweet melodies. Hindi Literary club Chintan Srijan gave some light moments to the fest by organizing a stand-up comedy competition which tickled everyone’s funny bone.

Junoon- the dance club kept surprising & entertaining by its solo and group performances, showcasing their high level of talent and creativity.

There were mindboggling solo and group dance performances which mesmerized the audience significantly. This was followed by fashion show which had spread glamour to every corner of the campus. Fashion show, as always, remained the most stylish, anticipated and full house event which received massive appreciation. All the winners of various events were awarded trophies & certificates. The Chief Guest and other dignitaries awarded trophies to the winners. Thereafter students enjoyed the evening dancing on the mesmerizing and peppy numbers played by DJ Barkha Kaul.
Alumni Meets

“SANKALAN-2016”

The fifth annual Alumni Meet “SANKALAN-2016” was organized successfully on March 6, 2016 in the college premises. The program was initiated with lamp lighting and Saraswati Vandana. In his brief welcome speech, Director Dr Vineet Kansal highlighted the importance of Alumni Meets and congratulated the organizing committee lead by Prof (Dr.) Sanjay Yadav for organizing the event. A brief introduction about the various developmental activities and progress achieved by the college in the last one year was presented by Ms Nilakshi Goel. She briefly covered the recent milestones achieved by the college in the areas of academics, placement, sports, and cultural with special emphasis on the initiatives taken by the college for skill development, value addition courses and facilities created for in house training. The steps taken by the college to promote the entrepreneurship and procuring MSME funded projects were highly applauded by the Alumni.

The main attraction of the SANKALAN-2016 was “KaviSamman” graced by three renowned poets Dr Kunwar Bechain, Mr Deepak Gupta and Mr Chetan Anand. The invitees were welcomed by the Director of the institute Dr Vineet Kansal, Dean Academics Administration Dr Gagan Deep Arora and Dean Students Welfare, Dr Sanjay Yadav. The program was equally enjoyed by both the alumni and faculty members. The function also witnessed some brilliant stage performances by the students during “FUN ZONE” session. The songs and dances did a good job setting the mood of Alumni, involving them with full enthusiasm. Some of the Alumni shared their personal experiences on the stage and how the learning in the college helped them to shape their career.

The occasion was graced by Alumni and their family members ranging across various batches from various parts of the country. The function concluded with the lunch session and during that time, it was a lively conversation of the Alumnus with their juniors and long parted faculty members. The Alumnus left the institute on a high note with all their previous memories.
EEE departmental Alumni Meet -2016

Electrical & Electronics Department organized an Alumni- Student Interaction Session on January 30, 2016. The primary purpose of an alumni association was to promote the long-term relationship among the alumina and the students.

The event was hosted by EEE, third year students. Ms Kalpana Hazarika, Faculty Coordinator EEE Department, welcomed the guests with a motivational speech in presence of the Head of the EEE Department, Faculty- staff & students.

Our alumni Mr Abhishek Shukla (Batch 2009-2013) who is currently working as a Business Development Manager in Saison’s Components in Delhi (Head Office) is a self-developed entity. His company deals with Electronics Components & Mechanical components used in wind power stations and other applications. He shared his experience in the field of his business. He detailed on how to survey the market for business setup, expansion etc. He emphasized and suggested measures for overall personality development of students, to be deterministic, be honest to one, self-evaluation, not to procrastinate the work, be on time like important parameters to imbibe in life to grow in business or any profession. He interacted with 2nd year, 3rd year & 4th year students effectively for about two hours.

The session ended on a note of regards to the audience and guests by the faculty coordinator.
Corporate Social Responsibility Cell Activities

Free Eye check-up camp by Lenskart

The I.T.S Engineering College Greater Noida organized a free Eye-check camp for its staff, students and faculty members on May 3, 2016 in association with the famous eyewear online portal, Lenskart. The faculty & staff members enthusiastically availed the facility of free eye check-up through a certified optometrist.

A wide range of eye care products range extending from prescription Eyeglasses, Sunglasses and Contact Lenses were also displayed with exclusive offers and vouchers. Our special thanks goes to executives from Lenskart for aiding and organizing this camp.
Cleanliness and Hygiene Drive in Slum Areas

Corporate Social Responsibility (CSR) organized a social activity on April 4, 2016 in the vicinity of the College area. Prof L.K. Verma, the coordinator of the activity briefed and motivated the students about concept of CSR Activity.

The event was organized with an objective to make students aware about the condition of poor people of the society in nearby areas and to make students more conscientious towards their responsibilities to the society.

The entire event was organized in three phases. The first phase was picking up paper, bottles and such other junk from the streets leading to Metro Nursing College in Greater Noida. Two groups were formed for this task. The second phase was making the slum inhabitants aware of hygienic habits. A 2nd year MBA student, Ravi Aryan Kumar talked on the importance of washing hands, after toilet, before taking food etc. Another Student, Md. Shoab spoke on causes & precautions to be taken from Dengue. Others like Anshu Kumar, Roshan, and Varsha spoke on good cooking habits. In the third phase, used and new clothes were distributed to the slum inhabitants. The MBA faculties and students donated their clothes for this purpose. At the end, students distributed chocolates to the children.

MBA students participated in the event whole heartedly. The personnel of slum area appeared to have learned basics of clean hygienic habits and precautions to be taken from Dengue. It was a good learning ground for the students who took up the responsibility of doing something for the less fortunate ones.
**Educational Programme for Slum Children**

CSR Activity for education for slum children was organized on April 3, 2016 at AVJ Heights Sector Zeta-1, Greater Noida.

In this event, 15 slum children which are a part of SHINING TREE Organization, Greater Noida were taught the basics of fundamental subjects like Hindi, English & Mathematics. A small competition round was conducted to check the innovative skills of the students. The topic for the event was – “Word search”. Top two students of the event were awarded and clothes, stationary and chocolates were distributed to these children.
**Literacy Program**

The EEE Department’s CSR cell took an innovative step on March 13, 2016 for enhancing the education, awareness and literacy programme among the underprivileged people and their children. There are many construction workers and their children who reside in different locations of Greater Noida. The aim was to make them aware of literacy and to provide them with cleanliness awareness so that their exploitation level and health related issues may be reduced. Along with sixteen students from EEE branch, this programme of literacy mission among such downtrodden sections was accelerated.

With the help of the volunteers, an effort was made to teach them Hindi and English alphabets, counting numbers and some Hindi rhymes. Besides this, the clothes donated by I.T.S faculty members were also distributed to those people who live in the slum area. The stationary items and sweets were also distributed among the children.

![Image of volunteers and children participating in the literacy program]

**Celebration of Special Days**

**Yoga Awareness Program to celebrate “International Yoga Day”**

Yoga is an ancient art which was originated in India around five thousand years ago. It has the power to unite the entire human race as it is a perfect blend of knowledge, action and devotion. As a part of world-wide observation of International Yoga Day, I.T.S Engineering College, Greater Noida has also celebrated this day in its campus with an aim to make people aware of the benefits of Yoga. It is a mental, physical and spiritual practice that needs to be
carried out every day as it brings peace, harmony, happiness and success to every soul in the world.

On Tuesday, 21 June 2016, a Yoga session was organized from 6.00 am-7.00 am in which students, faculty and staff members took part enthusiastically and practiced various ‘asanas’. Yogacharya Swami Yaghadutt Sharma was invited to demonstrate various Yoga postures and explain correct way of doing asanas. The session started with a briefing on origin and importance of Yoga. Various steps of yoga that include Yama, Niyama, Asanas, Pranayama, Pratyahara, Dharana, Dhyana and Samadhi and how the participants can enhance concentration, improves memory, improves health of body and make stress free mind through yoga-asanas and breathing techniques were briefed. This was followed by warm up exercise session called Yogging-Jogging. Then Swami ji practically demonstrated how to do various Yoga-asanas like Surya Namskar, Bhashrika Pranayama, Taad Asana, Vriksh Asana, Braj Asana, Manduk Asana, Singh Asana, Tali Vadan Exercise, Laughing Exercise and many more. Members present in the session expressed their experiences and stated that they were feeling relaxed, refreshed and calm after the session. Students expressed their views in support of acceptance of Yoga and orated that it is a must for keeping a sound physical and mental health. India is the originator of the Yoga and it is great that on the call of United Nations, the whole world is practicing it.

The event was followed by Prasad Vitrun and Plantation of trees in the college Campus by faculty, staff and students.

**International Women's Day**

EEE Department and ACM ITSEC Student Chapter, CSE Department celebrated International Women’s Day on March 8, 2016.
EEE Department organised a Paper Presentation Competition in which students from CSE, EEE, EECE, ME, CE and IT had participated with full enthusiasm and presented papers on Women in Engineering & Women Empowerment.

On the other hand CSE Department organized a Seminar on "Software Engineering Process Models" in which female students of Second and Third year of B.Tech (CSE/IT branches) participated in the event.

There was also a special session on "Women Entrepreneurship" by Ms Akarshita, student of B.Tech (CSE) VI-A.
Farewell Glimpses

1) ‘Bon Voyage’—CSE Department

2) ‘Yaadein’—ECE Department
3) ‘Festa-D-Adio’—EEE Department

‘Dasvidaniya’—MBA Department
‘Au Revoir’—ME Department
Faculty contribution

Paper Publications


Paper Presentations


Mr. Manish Kumar Sharma presented a paper titled “Improved Routh Table Truncation Algorithm for Large Scale Uncertain Discrete Interval Models” in National Conference, RDEECE-2016, at BSACET Mathura (U.P.)


Mr Rakesh Garg presented a paper titled "An Empirical Analysis of Handloom Industries of District Ghaziabad-Uttar Pradesh" in Annual National Conference held in RBMI, Greater Noida on 27th February.

Dr Arunesh Kr Yadav presented a paper on “Emerging Opportunities and Trends in basic and Applied Sciences” on 24 January 2016 in an international workshop in Dau Dayal Institute of Vocational Education, Khandari Campus, Agra.
Bhanumati Panda presented a paper on "Study the Seasonal Variability of Plankton and Forage fish in the Chilika Lagoon using NPZF Model - A Case study" in International Conference on the occasion of Silver Jubilee of Indian Society of Industrial and Applied Mathematics (ISIAM) held at Sharda University, Greater Noida on 29-31 January 2016 sponsored by NBHM, ICTP, DST, CDC and INSA.

Toran Kapoor presented a paper titled "Leader member exchange (LMX) and readiness towards technological changes among employees of Oil & Gas Exploration & Production Organizations" in Global Leadership Research Conference on Leadership Governance & Public Policy at Amity University, Noida on 23rd January 2016.

Workshops, Seminars and FDP’s

Dr Sanjay Kumar Mishra & Mr Tarun Chug have attended FDP on “Design and Implementation of Student Cantered Learning” at AKTU, Noida Campus on 13-14th January 2016.

Dr Arunesh Kumar Yadav has attended FDP on “Emerging Opportunities and Trends in basic and Applied Sciences” at Deen Dayal Institute of Vocational Education, Khandari campus, Agra from 22-24 January 2016

Ms Divya Agarwal has attended workshop on “E-yatra lab setup initiative “in M.G.M Engineering college, Noida on 5 Feb 2016.

Ms Rubina Shahin Zuberi and Ms Garima Mittal have attended Workshop on “Introduction to robotics” at M.G.M Engineering College, Noida on 5-Feb 2016.

Md Rashid Mahmood and Dr Rubina Shahin Zuberi have attended “Virtual lab workshop at IIT Delhi” on 19-Feb 2016.

Ms Pallavi has attended Workshop on "Incubation of Incubators" at Spring Board Solutions, Delhi on 4-Mar 2016.

Ms Mallika Gandhi and Ms Pritee Gupta have attended UGC sponsored National Seminar "A Step towards soft computing: Techniques and Applications”, at Deen Dayal Upadhaya College, Delhi University on 18-19 March 2016.

Ms Priyanka Chawla attended a Workshop on Big Data analytics at JNU, Delhi on 30 March 2016.

Dr Leena Arya Chaired session in an “IEEE International Conference on Computing, Communication & Automation (ICCCA-2016)” at Galgotia University, Greater Noida on 30 April 2016.

Ms Toran Kapoor has attended Eight - day workshop on’ Human Values and Professional Ethics’ at Hindustan College of Science & Technology, Farah, Mathura from 24-31 May 2016.
Konsam Gangarani Devi has attended Eight - day workshop on ‘Human Values and Professional Ethics’ at Hindustan College of Science & Technology, Farah, Mathura from 24-31 May 2016.

Agha Hussain has attended Five day Short term Course on ‘ Image Processing: Algorithms & Applications’ organized by Department of Computer Science, Indian School of Mines, Dhanbad 13-17 June 2016.

**Students’ Achievements**

- Md. Zeeshan Uddin of Mechanical Engineering, Raushan Kumar, Soheb and Suman Kumar of Civil Engineering, as the team stood 7th among 560 teams in India's biggest Civil Championship (IBCC) bridge design competition at IIT Mumbai, 1-3 April 2016.

- "Ms. Saniya Javed, student of B.Tech. 3rd year (IT) published an article in CSI Adhyayan [Jan-Mar 2016] issue."

- Mr Pritish Kumar-ME 4 Yr has won First Prizes in Inter- University English Debate Competition held at I.T.S Ghaziabad during their Annual Fest WYSIWYG-March 2016 and at ABES-EC Annual Fest March 2016.

- Gopender--EEE 3 yr and Pawan Kumar--EEE 3 yr won first and second prizes respectively in Inter- College Hindi Debate Competition held at ABES-EC during Annual Fest March 2016.

- College Kabaddi team of the Institute won the tournament at JRE Greater noida held on 11-12 March 2016

- Ehasas Theatre Group of the Institute has won prizes in Nukkad Natak competitions at the Annual Fest of various Institutions given below
  - First Prize at IEC, Greater Noida
  - Third Prize at Amity Business School, Noida
  - Second Prize at JRE, Greater Noida

- Lalit Kumar ECE Final year student awared 2nd prize in "IIMT EXPO" Technical Fest held at IIMT College of Engineering Gr.Noida and IIIrd Prize awarded in "Metagonician" Technical Fest held at Galgotia College of Engineering Gr.Noida.
• Saniya Javed is awarded with certificate of achievement for reaching Semi final round in IT-Olympiad 2016 contest.

• Ms Riya Kalia, student of B.Tech. 3rd year (IT) won the Bronze Medal in State Chess Competition on 21st Feb, 2016 organized by Dr APJ Abdul Kalam Technical University, Lucknow.


• On the Celebration of Silver Jubilee of Greater Noida Development Authority, I.T.S Engineering college presented a project of Solar Car designed and developed by students including Sandeep Kumar, Shubham Singh, Shubham Kumar, Shakti Ashish Srivastava, Shivnath Kumar and Shivam Yadav under the able guidance of Mr Manvendra Yadav, AP-ME, 23rd Jan 2016."