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### EDITORIAL TEAM

## INSPIRING QUOTE

“

*“There's nothing I believe in more strongly than getting young people interested in science and engineering, for a better tomorrow, for all humankind.”*

”



**William Sanford Nye**

*American science communicator, television presenter, and mechanical engineer*



## FROM DEAN'S DESK



“

*The goal of school, guided by the vision, is to provide transformational education that produces skilled workforce, researchers and innovators of tomorrow with intellectual and technological resources.*

”

### Dear Readers,

It is my pleasure to share with you the various students' activities and faculty achievements of SET for the period of May to August, 2018. Main highlights are the career counselling sessions organised by specialists from various industries to create awareness among students of 3rd and 4th year.

Choosing a career is an important task, but it may also be a difficult one. It may not be easy to decide what type of job will be the best fit, and since career counselling helps people assess their skills, needs, and desires in order to find a career that works for them, these types of counselling are considered to be an important step to take before deciding for a convincing career.

Believing in "A smile is the universal welcome", an orientation programme was organised for the newly admitted students. The aim was to make students familiar with the curriculum, rules and regulations, teaching methodologies and the co-scholastic activities.

Students Technical Clubs help to expand students' knowledge beyond the class room and teach them the team work to share ideas, expertise, talent and knowledge, therefore, various clubs were started to serve the purpose in different departments.

With newsletter as an active media, we will keep on sharing achievements of SET family; this will surely act as an encouragement in achieving great heights. My wishes.

**Dr. Parma Nand**

Dean, School of Engineering & Technology



## **ORIENTATION PROGRAMME**



***Sunshine is a welcome thing.  
It brings a lot of brightness.***

***Jimmie Devis***

Orientation Programme for all engineering students of 1st year was Organised by School of Engineering and Technology, Sharda University from 20th August, 2018 to 21st August, 2018. The aim was to familiarize with the curriculum, rules and regulations, teaching methodologies & the co-scholastic activities. The programme commenced with a warm welcome by Dean (SET), Prof. (Dr.) Parma Nand. along with HoD CSE, Prof. (Dr.) Nitin Rakesh, Prof. (Dr.) Bhim Singh, Prof. (Dr.) Rita Dr. Gaurav Saini, Dr. Pallavi Gupta. He encouraged the students on the new beginning of their career and motivated them for a bright career. It was followed by presentations, started by Mr. Rupesh Jindal on Examinations and Assessment process. Ms. Supriya Khaitan was next who gave brief description on Mentor-Mentee Portal. The students were then shown a brief presentation on Mentor-ship Portal. The students were acquainted with the opportunities they will be receiving under the Mentor-ship Programme. Further, Dr. Rashmi Priyadarshini on LMS/Peoplesoft and then by Dr. DLN Shastri on Placement and finally Mr. Vinay Verma, first year Coordinator, who welcomed the students and gave them an introduction regarding the academic disciplines.

The second day of orientation programme organised with the clear objective of Industry interaction. The goal is to produce skilled, globally competent professionals through quality technical education and to prepare them for immediate employment. Industries engross these knowledgeable professionals and enhance its production capabilities by contributing the latest technologies.



The session was addressed by Senior Industry Guests from diverse areas:

- **Mr. K. K. Kanji** (BCE, PGDM, MRICS)  
Director-Projects  
(Lotus Greens Developers Pvt. Ltd.)
- **Ms. Sonia Manchanda**  
(COO & Founder), Airsoft.
- **Mr. Alok Kumar Mittal**  
(Group Manager), ST Microelectronics



## CAREER COUNSELLING: PLACEMENT ACTIVITY

*Communication - the human connection - is  
the key to personal and career success.*

**Paul J. Meyer**



A session on career counselling for all engineering students of 3rd and 4th year was organised by School of Engineering and Technology, Sharda University from 8th August to 14th August, 2018. The session was addressed by guests from varied industry. They shared their valuable experiences with students and students asked them number of doubts about interview requirement, skills, quality of engineer required to work on field etc.

### Career Counselling Week 2018 -19 Batch

Date	Name of the Dept.	Name of the Company	Executives Details	Potential Subject/Areas to Focus
8th August 2018	Computer Science Engr. (CSE) & information Tech. (IT) B.Tech/BCA/MCA Final year and 3rd year	<ul style="list-style-type: none"> <li>• Aeris Communication</li> <li>• WCN Technologies</li> <li>• NASSCON / CSI</li> <li>• Xavient Technologies</li> </ul>	<ul style="list-style-type: none"> <li>• Ms. Shweta Berry, Vice Pres.</li> <li>• Mr. Subnesh Sharma, GM.</li> <li>• Ms. Meenal Singh, Assoc. Dir.</li> <li>• Ms. Deepika Pillai, Dir. (HR)</li> </ul>	<ul style="list-style-type: none"> <li>• IoT Platform Vendor</li> <li>• SG / Wi-Fi Product Vendor</li> <li>• Industry Association</li> <li>• Our Bulk Recruiter for the past years</li> </ul>
9th August 2018	Electronics Comms. Engineering (ECE) & Electronics & Electronics Engr. (EEE)	<ul style="list-style-type: none"> <li>• ELCINA Executive Team</li> <li>• Indoplast</li> <li>• Ajeevi Technologies</li> <li>• Indian Industries Assoc.</li> </ul>	<ul style="list-style-type: none"> <li>• Mr. Yogesh Director</li> <li>• Mr. Z. Rehman, Managing Dir.</li> <li>• Ms. Krati Choubay &amp; Mr. Vishal Gupta, CEO</li> </ul>	<ul style="list-style-type: none"> <li>• E-Waste Management</li> <li>• New Devices for IoT</li> <li>• 5 G handsets / QA / Testing / RF Survey / Optimization • MSME Vendors</li> </ul>
10th August 2018	Mechanical Engr. (ME) & Automobile Engr. (AE)	<ul style="list-style-type: none"> <li>• Hero Honda</li> <li>• IIA Ghaziabad Secretary</li> <li>• Arun Enterprises</li> <li>• Advance Valves</li> </ul>	<ul style="list-style-type: none"> <li>• Mr. A. K. Tripathi, DGM (HR)</li> <li>• Mr. Pradeep Gupta, MD</li> <li>• Mr. Ashok Dhir, MD</li> <li>• Mr. Priyank Garg, MD</li> </ul>	<ul style="list-style-type: none"> <li>• Motor bike accessories Mfg. process</li> <li>• Power Sector / Installing Process</li> <li>• High Duty Valves (Oil Seals)</li> <li>• Refrigeration</li> </ul>
13th August 2018	Civil Engineering	<ul style="list-style-type: none"> <li>• Apport</li> <li>• A. T. Technologies</li> <li>• GIS Trans Solutions</li> </ul>	<ul style="list-style-type: none"> <li>• Mr. Sachin Gupta</li> <li>• Mr. A. K. Goyal, MD</li> <li>• Mr. Vivek Sawhney, MD</li> </ul>	<ul style="list-style-type: none"> <li>• Pyra Vastu</li> <li>• Road Construction / NHAI</li> <li>• Apartments / Industrial Plots Design/ Construction</li> </ul>
14th August 2018	Bio Technology	<ul style="list-style-type: none"> <li>• LifeCell</li> <li>• AES Labs</li> <li>• Shahnaz Husain</li> <li>• Dhanuka Group</li> </ul>	<ul style="list-style-type: none"> <li>• Mr. A. K. Tripathi, DGM (HR)</li> <li>• Mr. Pradeep Gupta, MD</li> <li>• Mr. Ashok Dhir, MD</li> <li>• Mr. Priyank Garg, MD</li> </ul>	<ul style="list-style-type: none"> <li>• Food Technology &amp; Lab Testing</li> <li>• Ayurvedic Cosmetics-Quality</li> <li>• Bio Technology Consultancy</li> </ul>





## DEAN SET AS RECOURSE PERSON



Professor Parma Nand Astya (Dean, SET) was invited as "Guest of Honor" in Technical Education Quality Programme (Phase III) at JSS Academy on 11th June, 2018. Prof. Parma Nand also shared his vast knowledge there through his invited lecture on "Soft Computing". Professor Parma Nand Astya (Dean, SET) invited as resource person attended FDP on Theory of Automata from 2nd to 6th July, 2018, organised by Computers Science Department of Dronacharya Group of Institutions under Technical Education Quality Programme. There he delivered expert lecture on "Regular Languages and Regular Expressions".

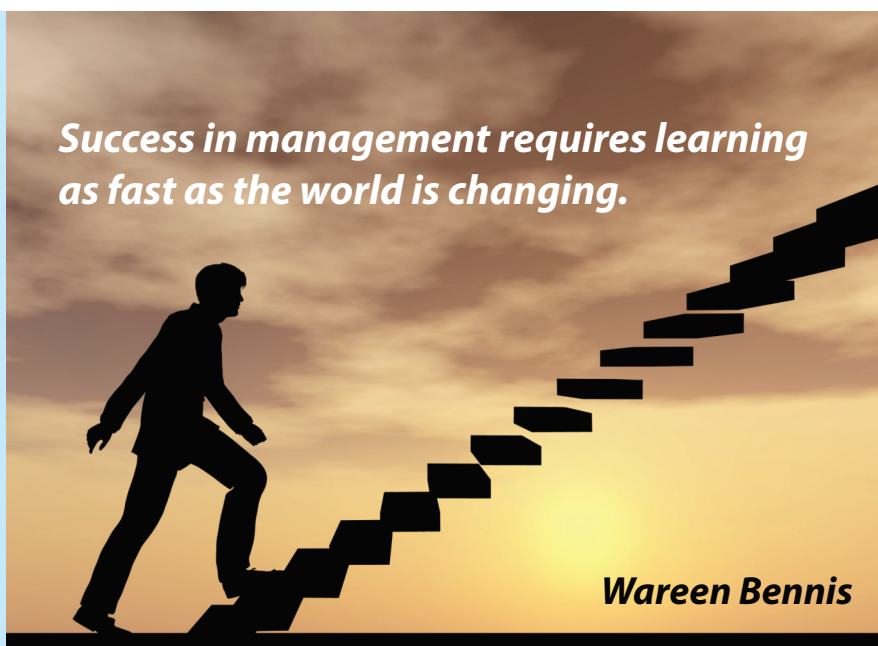
## FACULTY

## DEVELOPMENT

## PROGRAMME

Dean SET had delivered a session on POs, PEOs and COs from Engineering perspective under the Two-Day Faculty Development Programme (FDP) on 'Outcome-Based Education (OBE)' Organised by Internal Quality Assurance Cell (IQAC) on 31st January and 2nd February 2018. The aim of this FDP is providing hands-on experience for developing PEO (Programme Educational Objectives), PSOs (Programme Specific Outcomes PO (Programme Outcomes) & COs (Course Outcome). Various faculties of SET had participated in this FDP.

*Success in management requires learning  
as fast as the world is changing.*



**Wareen Bennis**



## **BIOTECHNOLOGY ENGINEERING**

### **FACULTY DEVELOPMENT PROGRAMME**



Biotechnology faculties attended FDP on 'Approaches for in-silico drug designing' organised by IILM, Greater Noida held from 3rd July, 2018 to 7 July, 2018.

### **SUMMER TERM PROGRAMMES FOR ETHIOPIAN STUDENTS**

During summer vacation, various hands on training programmes were organised for Ethiopian students who stayed back. A 15th days training on 'Animal handling techniques' was organised, in 2nd week of June, in collaboration with Dept. of Pharmacology, School of Medical Sciences & Research.



For next four weeks they were trained on various essential techniques viz., Essential oil extraction, secondary metabolite extraction and its uses, DNA extraction, PCR and proteomics.

### **DEPARTMENTAL ORIENTATION PROGRAMME**

Department organised few events for orientation of first year students. HoD Prof. Rita Singh addressed the students and welcomed them to this University. She explained about the curriculum, examination pattern and basic etiquettes that is expected of our students. She expressed her desire to see the students excelling in every sphere and be a good human being. The students were also made aware of school and departments vision and missions. Next they were taken for a campus tour and were acquainted with all important landmarks including major labs and library.



On 21st August, 2018 an Industrial Talk was organised to make the newly inducted students aware of the scope of their programme. Expert came from Adani Wilmer Limited to deliver a talk on "Current Scenario of Food Industries & Food Processing in India" to encourage & inspire the young minds. This was also attended by our B.Tech. Final year students.





## **NEW FACULTY JOINING AT DEPARTMENT OF CSE**

*Department of Computer Science & Engineering SET, Welcomes New faculty members to CSE department*

### ***Joining of Head of Department at CSE***

CSE Department is joined by Prof. (Dr.) Nitin Rakesh on the position of Professor & Head. He is PhD in Computer Science and Engineering with Network Coding as his specialization. Dr. Nitin is Master of Technology Degree in Computer Science and Engineering from and received Bachelor of Technology in Information Technology.

Dr. Nitin is a recipient of IBM Drona Award and Top 10 State Award Winner. He is active member of professional society like IEEE (USA), ACM, SIAM (USA), Life Member of CSI and other professional societies. He is reviewer of several prestigious Journals/Transactions like IEEE Transactions on Vehicular Technology, The Computer Journal, Oxford Press, many SPRINGER/other Scopes indexed International Journals.

## **NEW FACULTY JOINING IN CSE**

- **Dr. Mandeep Kaur**, Associate Professor
- **Dr. Pooja**, Associate Professor
- **Dr. Sudeshna Chakraborty**, Asst. Professor
- **Dr. Ali Imam Abidi**, Asst. Professor
- **Ms. Preeti Dubey**, Asst. Professor
- **Mr. Tarun Maini**, Asst. Professor
- **Mr. Sunil Kumar**, Asst. Professor
- **Mr. Anuj Kumar**, Asst. Professor
- **Ms. Ritu Dewan**, Asst. Professor
- **Ms. Sanika Singh**, Asst. Professor

## **NEW INITIATIVES OF CSE DEPARTMENT**

Department of Computer Science and Engineering initiated various research groups under following topics, Computer Communications and Networking, Imaging Processing and Information Security, Software Engineering & Data Science and Machine

Learning and Optimization. The aim of these groups is to strengthen the Research & Development and Academics for students & faculty Members.

## **STUDENTS TECHNICAL CLUBS (FACULTY & STUDENTS CENTRIC ACTIVITIES)**

Department of CSE initiated Students Technical Clubs to expand students' knowledge beyond the class room and learn team work to share ideas, expertise, talent and knowledge. In the club activities will develop collaborative projects, showcasing talent, leadership skills, Entrepreneurial opportunities and promote interest in the engineering profession.

### **CLUB NAME**

- **Tech Bub:** Entrepreneur Club
- **Cyber Pirates:** Hacking and Network Club
- **Diagnostic:** Analytics Club
- **Game Drifters:** Gaming Club





## INDUSTRY LINKAGES STUDENTS & FACULTY VISITS ORGANISED BY DEPARTMENT OF CSE

1st Annual "Dr. A.P.J. Abdul Kalam Memorial Lecture", Organised by ASSOCHAM, Tuesday, 7th August, 2018 at The Imperial Hotel, Janpath, New Delhi. Attended by: **Prof. Parma Nand**, Dean, SET | **Prof. Nitin Rakesh**, HoD-CSE | **Prof. Bhim Singh**, HoD-ME | **Mr. D.L.N. Shastri**, Director Industry Relations.



Mock Interview with panel



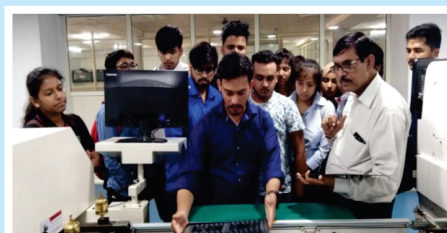
Project Evaluation

Student of 3rd year CSE attended Gurukool event of IBM for 3 days in Delhi. In this event students interact with industry persons and develop a project on some real time problems. In first day, chief guest Mr. Rajan Madhkar (Director General IISSM, New Delhi) discussed some problems of Indian software industry and conduct panel discussion on IoT (Internet of Things) followed by question-answering round with students.

Second day, there was guest lectures on 'Entrepreneurship in India', 'Virtual Reality and Augmented Reality' and 'Cyber Security and Blockchain' by various industry persons like Mr. Suresh (IBM Trainer), Mr. Lalit Yagnik and Mr. Neeraj Gupta (IBM).

Students participated in panel discussion on Cyber Security followed by questions and answers session. Panel did include students, teachers and industry persons. On third day, industry visit of these students was Organised to 'Infosoft Digital Design & Services Pvt. Ltd (IDDS)' and 'Deshwal Waste Management'.

- Department of Computer Science and Engineering Organised Students Visit to participation in Gurukool 2018, Organised by IBM, Tuesday, 17th-19th July, 2018 at Dr. S.R. KVS Auditorium, Kendriya Vidyalaya, Sanjay Vihar, A. P. S. Colony, New Delhi.



IDDS Industrial Visit



Deshwal Waste management Industrial Visit

- Department of Computer Science and Engineering Organised Students & Faculty Visit to participation in Digital Security, Privacy and Emerging Trends in Cyber Crime, 24 August, 2018 at PARC Accelerator, Noida.
- Department of Computer Science and Engineering Organised Students & Faculty Visit to participation in Cyber Security Summit-3.0 on 10 August, 2018 at Juniper Hall, India Habitat Centre, Lodi Road, New Delhi.
- Department of Computer Science and Engineering Organised Students & Faculty Visit to participation in 3rd National Innovators-Industry Meet on 1st September, 2018 at IETE, HQ, 2, Institutional Area, Lodi Road, New Delhi.
- Department of Computer Science and Engineering Organised Students & Faculty Visit to participation in CII Clean Tech & Mobility Summit Hotel Radisson, Sector 18, Noida.





## SCHOOL OF ENGINEERING & TECHNOLOGY

# WAVE NEWSLETTER LENGTH

ISSUE 3: MAY, 2018 - AUGUST, 2018

## IoT & NETWORK LAB

Department of CSE initiated IoT and Network Lab for the purpose of advance networking experiments for Specialized Courses of Computer Science. This lab is having IoT and networking tool kit. Soon this lab will also be enabling Industry based simulations tools for networking.

## INDUSTRIAL INTERNSHIP COMPLETED BY STUDENTS OF CSE

Students of Department of Computer Science and Engineering attended Industrial Internship of 6-8 weeks with various MNCs, Research organizations and Scientific Institutes during May-July, 2018. Some of the organizations are as below:

## DEPARTMENT LIBRARY FOR SOFTWARE & INDUSTRY BASED MATERIALS

For develop internal training of faculty of department and utilize the Train-the-trainer workshops, Department of CSE is now having departmental library for Value-added Courses and High-end Software for the re-training and utilization of faculty, research scholars, students of Computer Science Department.

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## **FACULTY DEVELOPMENT PROGRAMME ORGANISED BY DEPARTMENT OF CSE**

*Department of computer science and Engineering Organised the following FDP and Research seminar:*

- FDP on "Social & Web Media Analytics" from 4th July to 7th July, 2018.
- FDP on "Backup and Disaster Recovery" from 4th July to 6th July, 2018.
- FDP on "Big Data Analytics" from 19th July to 21st July, 2018.
- FDP on "Cloud Computing Architecture and Deployment Model" from 19th July to 22nd July, 2018.
- Research seminar on "Quantum Machine Learning" by Machine Learning and Optimization research group on 1st September, 2018.
- Research seminar on "Social Media Analytics" by Software Engineering & Data Science research group on 1st September, 2018.
- Research seminar on "Web Engineering, Semantic Web, Computer Network & Security" by computer Communications and Networking research group on 1st September, 2018.

## **CAREER COUNSELLING AND STUDENTS GROOMING ORGANISED BY DEPARTMENT OF CSE**

- A two-hour session on career counselling was Organised by Department of Computer Science and Engineering, School of Engineering and Technology, Sharda University on 8th August, 2018 from 2.00pm to 4.00 pm for students of IIIrd and IVth year. Speakers for the day were Ms. Shweta Berry, Vice President, Aeris Communication, Mr. Vivek Gupta, Ajeevi Technologies, Mr. Sumit, Wipro Technologies and Mr. Amit, IOCL Executive, Live IoT demo. The session was focussed on trends in the industry, Skills needed, Preparedness to be Industry ready, Awareness about latest software tools, recent Apps launches, Games launched, importance of data security, analytics, 5G impact, M2M learning, IoT, along with the professional ethics to enter into industrial culture. The Session ended with vote of thanks by Dean SET and HoD CSE to the gathering. Coordinators of the event were Ms. Megha, Ms. Shaveta and Ms. Manu.
- Department of CSE Organised student interaction and industry talk by Mr. Lalti Yagnik, Executive Chairman, EON Reality and Ex-Director IBM (Singapore, India and Australia) on 9th August, 2018 at 4:00 PM-5:00 PM, Sharda University.
- Department of CSE Organised student interaction and industry talk by Mr. Mani Madhukar, Programme Manager, University Relations at IBM India on 30th August 2018 at 1:30 PM-3:00 PM, Sharda University.
- Department of CSE Organised student interaction & industry talk by Mr. Rajeev Kabra, Founder & CEO, Cognitel, Mr. Frank Duan, Channel Service Manager, Huawei on 27th August 2018 at 1:30 PM-3:00 PM, Sharda University.
- Department of CSE Organised (still running) Technical Grooming Session for final year CSE student on C, Java, Data Structures, Operating Systems, Database for the purpose of placement readiness. These sessions were followed by

exclusive Online Quiz to access the result.

- Department of CSE Organised (still running) Technical Grooming Session for final year CSE student on C, Java, Data Structures, Operating Systems, Database for the purpose of placement readiness. These sessions were followed by exclusive Online Quiz to access the result.





## RESEARCH

- Nishant Kumar (Assistant Professor C.E.) & Sunil Saharan (Assistant Professor C.E.) has filed a patent on "A Self Compacting Concrete Mix".
- Nishant Kumar (Assistant Professor C.E.) & Sunil Saharan (Assistant Professor C.E.) has filed a patent on "A Composite Concrete Composition and Process of preparation thereof".
- Dr. Gaurav Saini, HoD, Civil Engg. Department presented a paper titled "Waste filled plastic bottles as a replacement of Conventional Bricks" in the 34th National Convention of Environmental Engineers & National Seminar on "Environmental Pollution and Climate Change", jointly Organised by the Institution of Engineers (India) and DTU, Delhi on 10th to 11th August, 2018 in Delhi.

## STUDENT ACHIEVEMENT

- Mohit Gupta, 4th year student has completed a course on "Advanced Image Analysis" conducted by Indian Institute of Remote Sensing from 4th June, 2018 to 18th June, 2018.



## FACULTY DEVELOPMENT PROGRAMME

- Afreen (Assistant Professor C.E.) had attended a three day Faculty Development Programme on OBE Based Teaching-Learning and Research Organised by School of Engineering and Technology, Sharda University from 11 July, 2018 to 13 July, 2018.
- Sarmishtha Rudra Paul (Assistant Professor C. E.) had attended a three day Faculty Development Programme on OBE Based Teaching-Learning and Research Organised by School of Engineering and Technology, Sharda University from 11 July, 2018 to 13 July, 2018.
- Pinaki Prasanna Nayak (Assistant Professor C. E.) had attended a three day Faculty Development Programme on OBE Based Teaching-Learning and Research Organised by School of Engineering and Technology, Sharda University from 11th July, 2018 to 13th July, 2018.





## CAREER COUNSELLING

A two hour session on career counselling for Civil engineering students of III<sup>rd</sup> & IV<sup>th</sup> year was organised by Department of Civil Engineering, School of Engineering & Technology, Sharda University on 13<sup>th</sup> August, 2018 from 11.00am to 1.00 pm. Speakers for the day were Mr. S. K. Sachdeva , CFO (Board member of AHLCON, RDS Projects, CHD Developers) & Mr. Anuj Agarwal ,CEO, Anuj Agarwal Architect Pvt Ltd. They shared their valuable experiences with students and students asked them number of doubts bout interview requirement, skills, quality of civil engineer required to work on field etc.



## DEPARTMENTAL ORIENTATION PROGRAMME FOR FRESHER STUDENTS

Departmental orientation was done on 21<sup>st</sup> August, 2018. Initially, B.Tech. and M.Tech. Students were introduced to all the faculty members of department with their specialization by HoD of C. E. Department. Afterwards scope of Civil Engineering was explained to students by Dr. Gaurav Saini, HoD Civil Engg. with all the specialisation. The students were also given the idea about the works they will be doing as an Engineering student in the department and were motivated towards their choices as well. Once the overview of department, rules, scope was given students were accompanied by faculty members for the lab visit. They were introduced with all the labs and brief idea was given to them about the application of each lab in practical condition.





## **ELECTRONICS & COMMUNICATION ENGR. / ELECTRICAL & ELECTRONICS ENGR.**

### **CAREER COUNSELLING**

Two hours session on career counselling of EEE and ECE students of III & IV years was Organised by the department of Electrical and Electronics Engineering and Technology of School of Engineering and Technology on 9th August, 2018 from 2:00 PM to 4:00 PM in auditorium 014 Block III. Following were the resource persons for the same:

- **Mr. Sumit Chakraborty** from Idemia
- **Mr. Pranav Atrey** from Ericsson
- **Mr. Zrahman** from Indoplast
- **Mr. Subnesh Sharma** from VVDN
- **Mr. Girish Parasar** from Quadra
- **Mr. Avinav** / HR candidate from LG

The main objective of this session was to appraise the students about the importance of technical knowledge as well as professional ethics required to enter into industrial culture. The coordinators of this programme were Assistant Professor, Mr. S. Mukherjee and Assistant Professor, Mr. Shashank Singh.

### **FRESHER'S ORIENTATION PROGRAMME**

Half day orientation programme was held on 20th August, 2018 for the first year students of ECE and EEE departments. This event was coordinated by **Assistant Professor Mr. Sabyasachi Mukherjee, Assistant Professor Ritu Singh, Assistant Professor Usha Tiwari, & Assistant Professor Jaya Chitra Kishore**. The major objective of the programme was to make the students aware of the academic aspects of the course, the rules & regulations of the school and highlighting the parental participation in monitoring the performance and progress of the students. Followed by welcome address, the formal programme began with the presentation of **Mr. Sabyasachi Mukherjee**, focused on the departmental structure and Facilities available in the department like Laboratory, Class rooms Infrastructure & software available in the departmental Laboratories. Also the Faculty resources available in the department were shared with the freshers. The role of placement along with the previous status related to the companies visiting the departments were presumed by Mr. Mukharjee. First year faculty mentors **Ms. Usha Tiwari & Ms. Jaya Chitra Kishor** were introduced to the the new entrants. **Ms. Usha Tiwari** highlighted the curriculum of first year to the students, followed by overall credits in the course and evaluation parameters were also discussed. She also discussed the Marks distribution of theory courses and Laboratory courses. A tour to Sharda Hospital, Departmental Laboratories, Library HoD cabin, Dean office & First year coordinator office was also organised so that students are familiarize with the locations of these. Mr. Shiv Pujan Jaiswal, Ms. Ritu Singh & Ms. Usha Tiwari accompanied the students. Other faculty members who were present during the event were **Ms. Rashmi Priyadarshini, Mr. Shiv Pujan Jaiswal, & Ms. Ritu Singh**.

### **STUDENT ACHIEVEMENTS**

- Mr. Jithin Palepu studying in ECE 2nd year, SET has established a private company called 'MECHAGEN Robotics Pvt Ltd. The motive of the company is to provide customized prosthetics to the people, R&D Training in the field of AI and Robotics and bringing the related products/resource on the same platform.
- Mr. Rakesh Goswami student of Electronics & Communication Engineering/Electrical & Electronics Engineering, Sharda Univerity (Batch 2012-2016) has joined Railway Department as Section Engineer (Bhopal Railway Branch).
- Ms. Sabya studying in ECE 2nd year & one of team member of 'Shark' Basket Ball Team, Sharda university had participated & won 1st prize in Ojasvat cup by defeating Graphics Era University Dehradun.





## FACULTY DEVELOPMENT PROGRAMME

- Assistant Professor, Ms. Soma Deb was invited by IQAC, SU, as moderator for the Teach Back Sessions on the 3rd day of Workshop on Participatory Learning conducted by IQAC, Sharda University.
- Assistant Professor, Ms. Soma Deb has attended 5 Day FDP on "Power System Restructuring and Renewable Energy Integration" at BVCOE, New Delhi from 16th July to 21st July.
- Assistant Professor, Ms. Soma Deb & Ms. Ranjeeta Singh had attended 5 Day FDP on "Advance Applications of MATLAB in Engineering" from 25th June to 29th June, 2018 at GL Bajaj Institute of Technology, Greater Noida.
- Assistant Professor, Ms. Soma Deb & Ms. Ranjeeta Singh had attended 6 Day Refresher Program on "Innovation and Creativity in Teaching Learning Process" from 2nd to 7th July, 2018 at GL BAJAJ Institute of Technology, Greater Noida.
- Assistant Professor, Dr. Paritosh had attended three full Day Faculty Development Programme on OBE Based Teaching-Learning & Research is Organised by School of Engineering & Technology (SET) on July 11, 2018-July 13, 2018, BLOCK-III, SET, Room No. 006A, Sharda University.
- Assistant Professor, Ms. Usha Tiwari had Attended a workshop on "Green Energy for Clean Environment" on 26-03-18 by National Power Training Institute (NPTI, Faridabad), an organization from Ministry of Power, Government of India.
- Assistant Professor Ms. Usha Tiwari had Attended a Two day IEEE International Seminar on "Smart Technologies for Smart City (S Tech S City)" on 19-20 April, 2018 held at I.T.S College, Greater Noida.

## RESEARCH

- Shreya Goel, Paritosh Dubey, Supriyo Ray, Rengaswamy Jayaganthan, Aditya Bhusan Pant & Ramesh Chandra (2018) Co-sputtered Antibacterial & Biocompatible Nanocomposite Titania-Zinc Oxide thin films on Si substrates for Dental Implant applications, Materials Technology: Advanced Performance Materials, <https://doi.org/10.1080/10667857.2018.1488924>.

- P. Dubey, J. Gomez, S. Manandhar, V. Shutthanandan, C.V. Ramana, (2018) Microstructure Tuning Facilitated Efficiency Enhancement & Environmental Benign Nature of HfO<sub>2</sub>/Mo/HfO<sub>2</sub> Multilayer Films for Utilization in Buildings, Solar Energy Vol. 166 pages 146-148.
- P. Dubey, J. Gomez, S. Manandhar, G. Martinez, V. Shutthanandan, C.V. Ramana, Interface Engineering Facilitated Enhancement in the Hydrophobicity and Mechanical Properties of Multilayer Films, Advanced Engineering Materials (2018) (communicated).
- One M.Tech. student of Power system Mr. Abdul waheed along with Prof. H.K. Verma and Mr. Shashank Singh have published a paper entitled "Incremental Power Improves Relay Selectivity to Transmission Line Faults" in Journal of The Institution of Engineers (India): Series B.
- B.S. Panwar, "MOS Integrated MEMS Structure for Bio-sensing", Elsevier Proceedings of Materials Today, Volume 5, pp. 15325-15331, issue 8, May 2018
- B.S. Panwar, "Capacitive Tilt Sensor Using Multi-resonant Cylindrical Waveguide Structure", Elsevier Proceedings of Materials Today, Volume 5, pp. 15471-15476, Issue 8, May 2018.
- S. Kumar, P.K. Rathore, J. Akhtar, B.S. Panwar, Development of a current mirror integrated pressure sensor using cmos-mems cofabrication techniques, Microelectronics International Journal Vol. 35, pp. 315-321, issue 4, 2018.

## TECHNICAL CLUB

### STUDENTS TECHNICAL CLUBS

Department of ECE initiated Students Technical Clubs under the guidance of head of department Dr. Pallavi Gupta to expand students' knowledge beyond the class room and learn team work to share ideas, expertise, talent and knowledge. In the club activities will develop collaborative projects, showcasing talent, leadership skills, & Entrepreneurial opportunities & promote interest in the engineering profession.



## JOURNAL CLUB MEETING

"A successful completion of Journal club meeting held on 01 Sep 18 at ECE department. The topic of the presentation was "How to do research & publish research articles in esteem Journals" & the speaker was Prof. R. M. Mehra. In the presentation, various frontier research areas like Applied Electro magnetics & Communications, Energy Science and Engineering, Engineering Education Research, Integrated Circuits & VLSI, MEMS and Microsystems, & Nanotechnology have been discussed in detail. The key points on the plagiarism, publishing articles in SCI journals, & selecting suitable journals for your research have been explained.

## NEW FACULTY JOINING IN EEE AND ECE

- **Dr. Premananda Pany**  
*Associate Professor*
- **Ms. Usha Tiwari**  
*Assistant Professor*
- **Mr. Shailendra Tripathi**  
*Assistant Professor*





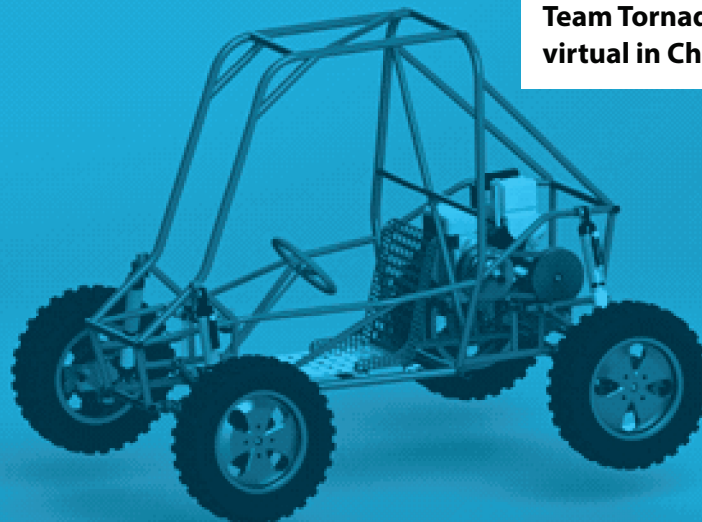


## **MECHANICAL & AUTOMOBILE ENGINEERING**

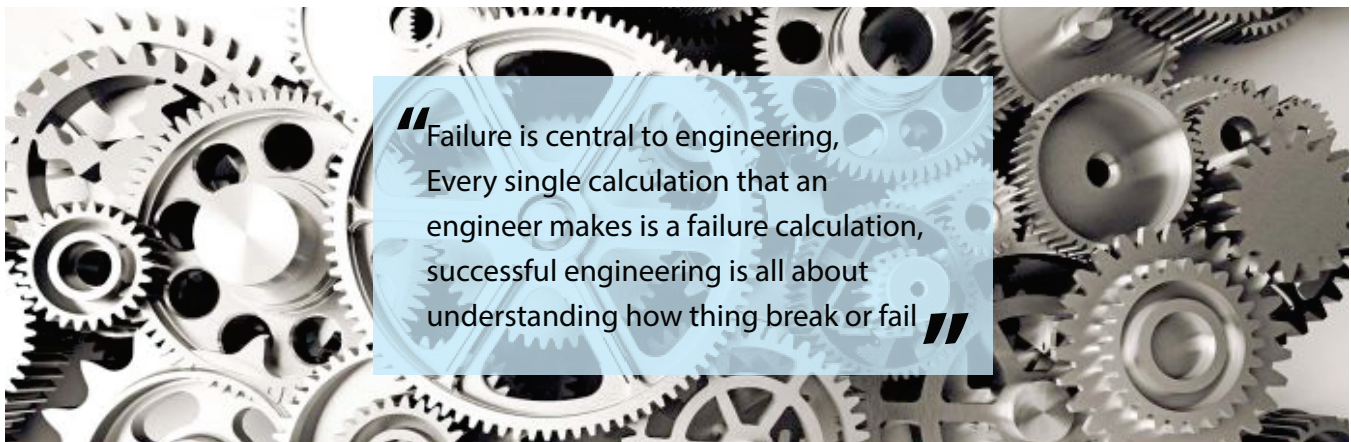
### **RESEARCH**

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- Sunil Kumar, Ashwani K. Dhingra & Bhim Singh (2018) Process Improvement Through Lean-Kaizen Using Value Stream Map: A Case Study In India, International Journal of Advanced Manufacturing Technology (IJAMT) (Springers), Volume 96, Issue 5-8, PP 2687–2698, 2018.
- Shatrughan Singh, K. S. Srikanth & Bhim Singh (2018) Pyroelectric Performance of  $[(1-X)BA0.9CA0.1TiO3-X(BASn0.2Ti0.8O3)]$  Lead Free Ceramics, Ferroelectrics (Taylor and Francis), 526:1, 68-75.
- Subhod Barthwal, Bhim Singh & Kakshatra B. Singh (2018) Zno-SWCNT Nanocomposite As No2 Gas Sensor, Materials Today: Proceedings (Elsevier), Volume 5, Issue 7, Part 2, 2018, Pages 15439-15444.

### **EVENTS**



**Team Tornadoes proposed BAJA virtual in Chitkara University**



**“Failure is central to engineering,  
Every single calculation that an  
engineer makes is a failure calculation,  
successful engineering is all about  
understanding how thing break or fail”**





## STUDENT ACHIEVEMENTS

Students of Mechanical Engineering (Team Tornadoes) participated in BAJA SAE virtual held in Chitkara University on 13th-14th July, 2018. BAJA SAE INDIA is a national level competition held in two phases, first phase is BAJA virtual where the participants have to present design specification of the ALL TERRAIN VEHICLE (ATV) and in Actual BAJA competition the students are required to fabricate ATV all by themselves and ultimately the vehicle is made to race in given conditions against other competing vehicles made by other participating Institutes. The department of Mechanical Engineering feels proud that our team has successfully qualified the virtual level with a ranking of 72 out of 300 participating Institutes. We would also like to add that Team Tornadoes has been participating and fabricating all terrain vehicles for the past five years in house (Automobile lab). We wish the team Tornadoes best of luck for the competition to be held soon.



## NEW JOINING

Four faculty members Dr. Himanshu Payal, Dr. Nithin Tom Mathew, Mr. Aakash Tyagi and Dr. Gurprit Singh have joined the department as Assistant Professors. Department of Mechanical Engineering welcomes & wishes them a successful tenure & a meaningful career.

## FACULTY DEVELOPMENT PROGRAMME

The faculty members Mr. Anuj Kumar Sehgal, Dr. Vineet Kumar, Mr. Nitesh Kumar, Mr. Abhishek Bhattacharya, Mr. R.S. Ojha along with the Head of Department, Mechanical Engineering, Prof. (Dr.) Bhim Singh, participated in a three day Faculty Development Programme on "OBE based Teaching - Learning and Research" held in SET from 11th July, 2018 to 13th July, 2018. The objective of this FDP was to motivate the faculty members to learn & implement the outcome based education in our school from current semester onwards. The day Faculty Development Programme was coordinated by Dr. Ananda Babu, Ms. Pinaki Prasanna Nayak & Ms. Rani Astya. Lateral entry orientation programme for the second year B.Tech. students held on 23rd July, 2018 in SET 1, Room 117. The Dean, OSD, Deputy CoE and Head of departments conveyed their best wishes to the newcomers.

## FRESHER'S ORIENTATION PROGRAMME

The Department of Mechanical Engineering organised an orientation programme for the newly admitted first year students of B.Tech. and M.Tech. which was held on Monday, 20th August, 2018. In the orientation programme, Head of Department, Prof. (Dr.) Bhim Singh addressed the newly admitted first year students. He urged them to have a focussed approach in their chosen programme. He encouraged the students on the new beginning of their career in Mechanical Engineering. During the programme, students were informed of various Clubs/Activity hubs and the labs in the Dept. The Matriculation of the newly admitted first year students of B.Tech. and M.Tech. students for the academic year was conducted on 16th - 17th August, 2018 in room number SET 1-108.



**SCHOOL OF  
ENGINEERING & TECHNOLOGY**

# **WAVE NEWSLETTER LENGTH**

ISSUE 3: MAY, 2018 - AUGUST, 2018



## **EDITORIAL TEAM**

### **CHIEF EDITORIAL TEAM**

**Dr. Parma Nand**, *SUSET Professor & Dean, SET* | **Manisha Rajoriya**, *SUSET Assistant Professor, ECE Deptt.*

### **EDITORIAL TEAM MEMBERS**

**Shanna Majumder**, *Professor, BTY Deptt.* | **Megha Gupta**, *SUSET, Assistant Professor, Civil Deptt.*  
**Nishu Singh**, *SUSET, Assistant Professor, CSE Deptt.* | **Shashank Singh**, *SUSET, Assistant Professor, EEE Deptt.*  
**Anuj Kumar Sehgal**, *SUSET, Assistant Professor, ME & Automobile Deptt.*