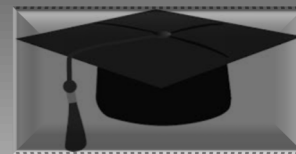


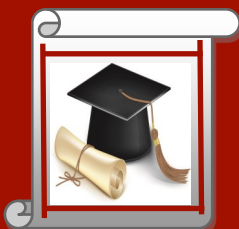
# ABHIYANTRI KI NEWSLETTER



## QUICK GLIMPSES



NEWS & EVENTS



STUDENT  
ACHIEVEMENTS



CAMPUSS FIZZ



ALUMNI



PLACEMENT  
SUCCESS

## VC'S MESSAGE



The present landscape of business and society marks the most fascinating platform of on going evolutions and unfolding exciting discoveries. Paradigm shifts from the conventional, disruptive innovations and emerging markets have made this a genre, which is truly transformational and enigmatic. Business models are undergoing constant change bringing in the need for companies to stay competitive and this necessitates continuous learning by professionals to stay relevant and add value. Sustainable growth today lies in building and holding on to competencies beyond replication and performance beyond expectations. We are a university with the core ideology of being future directed and competitive, in tune with the mission “AHEAD. FOR LIFE.”. Our strength lies in taking advantage of our ecosystem and incorporating the best from the academia, industry & research. We are not only in the midst of a large number of national and international corporations but also in one of the most vibrant start-up hubs of the country. The students, teachers and staff are the three prominent pillars of the university. Building teamwork, sharing a common vision and working together are the key words making the University different. In these times of unprecedented changes we raise the bar each day, impart knowledge and skills in a sequential and holistic way and challenge the status quo. As India embarks on its journey of reforms in higher education, we at Ansal University are committed as always, to create value for all our stakeholders, transform lives, care for nature and create true leaders who build, lead and sustain winning organizations.

Warm Regards,  
Dr. Prof. Raj Singh  
Vice Chancellor

## DEAN'S MESSAGE



It is a pleasure to be a part of School of Engineering and Technology at Ansal University. We at Ansals are committed to offer a world class engineering education and interdisciplinary research to our students. We offer a rich educational experience that combines intellectual rigor and cross-disciplinary exposure in a student-centric environment. The mission of the programs in the School of Engineering and Technology is to equip students with high quality education, fundamentals of the respective engineering program, interdisciplinary knowledge, awareness of local industry needs, and skills in lifetime learning, communication and leadership. The School offers various undergraduate, postgraduate and doctoral degree programs. The undergraduate programs are B.Tech in Computer Science, Mechanical, Civil, Electronics and Communication Engineering. The School also offers specialized B. Tech. in Cyber Security and Renewable Energy. The postgraduate programs are M.Tech in Computer Science (IOT and Blockchain), Computer Science (Artificial Intelligence and Machine Learning), Mechanical Engineering (Autonomous Vehicle), Civil Engineering (Environmental Engineering) amongst other courses. The School is proud to have excellent faculty with exemplary qualifications and accomplishments, and with a great amount of industrial exposure. Our faculties are engaged in cutting-edge research projects and build immersive & hands-on learning environments that stretch beyond traditional classroom models. To further our pursuit of excellence, we seek to foster an intellectually vibrant, collegial atmosphere with a keen appreciation for the value of diversity among our students. Co-operative education is an integral part of our undergraduate programs. Students learn to put theory into practice and complement academic work with on-the-job knowledge. Committed to excellent teaching and innovation, the faculties inspire students to translate the knowledge acquired to get real-life solutions. I encourage you to explore our website for related information on all of our departments and program offerings as we at Ansal University continue to contribute to the innovation and technological achievements that characterizes our spirit.

Warm Regards,  
Dr. Anamika Paul  
DEAN (SET)

# EDITOR'S MESSAGE



With this Issue of the e-Newsletter of SET ,I welcome all the students to a New Academic Year as Engineering Undergraduates. I wish you begin your undergraduate program on a certain and confident note, about what exactly you need to mind as students to be able to graduate successfully and jump start your budding engineering career.

The most motivated and successful engineering students are those who both have some picture in their minds of where they would like to go professionally in the future and are clear about how the things that they are doing now would connect to that future career destination. We wish to help you achieve what you have dreamt of which requires many a traits along with constant desire to learn and humility in learning.

Be humble, be teachable and always keep learning. Wishing you the best of start for a new Semester , a new beginning. Have put in best of the efforts to put down all the events and other information of the last semester.

*“True knowledge exists in knowing that you know nothing”-*

*Socrates*

## NEWS & EVENTS

### Xebia ties-up with Ansal University

Xebia Academy Global, the Education Business unit of Xebia has recently signed a Memorandum of Understanding (MoU) with Ansal University, Gurgaon, to launch a B.Tech Computer Science Engineering programme specialization in DevOps for the academic session 2019-20. Xebia will undertake the designing of course curriculum, creating study modules containing high quality industry-specific content and strengthening the faculty through building a team of competent educators. The company will also support with the placement of the graduating students.

With the focus of the B.Tech programme on future-oriented field of DevOps, the course structure has been designed to addresses the talent gap by providing relevant knowledge and upskilling the students. The curriculum development, which comprises course materials, assignments, and training sessions, will be piloted under the specific guidelines and expertise of Xebia's DevOps practitioners.





# NEWS & EVENTS

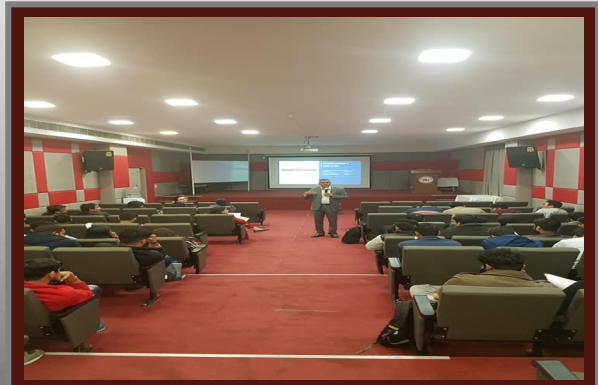
## IoT-NCR and Thingi(fy)

Ansal University ties up with IoT-NCR, world's 4th largest open IoT community and Thingi(fy) (an angel funded AI & IoT product company). IoT-NCR along with Thingi(fy) have launched digital technologies lab where students will get opportunities to work on real time industry based projects and will get exposure to attend all the Seminars and Meets of IoT-NCR for knowledge sharing. Students will have current market insight in Technologies. The training sessions will be conducted under the specific guidelines and expertise of IoT-NCR practitioners. Special thanks to Mr. Vinay Solanki, Rishi Gargi, Jasmeet Saran, Mayur Wadhwani, Nikhil Gupta, Sumit Jain, Tajinder Singh who are the core members of IoT-NCR. Also thankful to Prof. (Dr.) Raj Singh, Col. Rajive Chauhan, Prof. (Dr.) Anamika Paul and Prof. (Dr.) Latika for being a part of the initiative.



## Global Academic Internship Programme (GAIP)

School of Engineering and Technology organized a seminar on Artificial intelligence, Machine Learning, IOT to apprise students about the Global Academic internship programme (GAIP) to be conducted in June 2019 at Singapore. The programme is beneficial for students who intends to passionately pursue a career with focus on AI and Deep learning or IOT security. The seminar was conducted by Mr. Rajesh Gopal, President, Corporate Gurukul having a strong background in Strategy Development & operations with over 25 years of experience in various sectors. .



# NEWS & EVENTS

## INTERNATIONAL CONFERENCE ON SMART CITIES-ICSC 2019

A two day international conference on smart cities ICSC 2019 was successfully organized by SET. The event was attended by the renowned personalities. During the conference, guest lectures were delivered by the experts on various topics.

SET successfully hosted a two day international conference on smart cities ICSC 2019 during 8-9 March 2019. The inauguration was done on the first day in the benign presence of Mr R K Bahuguna Advisor, GMDA Gurugram as chief guest and Prof Rob Rogemma, Professor Spatial Transformation, The Netherlands as key note speaker. We were fortunate enough to have the kind presence of Hon'ble VC Sir, Prof (Dr) Raj Singh and respected Registrar Sir, Col. Rajiv Chauhan during the ceremony. On the second day the keynote address was delivered by Mr R. Srinivas, Head, Metropolitan & Union Territories Division, TCPO, Ministry of Housing and Urban Affairs, Govt. of India. As an aggregate, 29 research papers were delivered as oral presentations, 12 research papers were presented in the form of poster presentations and there were three tutorials (with hands on activities) and 1 guest lecture delivered by experts.





# NEWS & EVENTS

## VISIT TO CONVERGENCE 2019

Few glimpses of visit of faculty and student of SET to collection and transfer station of zone 1 of Gurgaon. This collection and transfer station of EcoGreen is responsible for the door to door collection of waste from all residential and commercial complexes in and around Gurgaon and then transfer of the same to the dumping site for further processing.



## INDUSTRIAL VISIT TO DAIKIN NEEMRANA



Daikin Air-conditioning India Pvt. Ltd. (DAIPL) is a 100% subsidiary of Daikin Industries Ltd., Japan, a global leader in the manufacturing of commercial-use and residential air conditioning systems. Backed by the superior technology, the organization offers a wide range of energy efficient air conditioning solutions to the Indian customers. Daikin's manufacturing plant at Neemrana, Rajasthan aims at creating products that will make people's lives more comfortable. It is supported by a network of production bases throughout the world and showcases the application of advance technology and equipment. On 06/April/2019, second and third year students of Mechanical Engineering, Ansal University Gurugram Haryana have got an opportunity to visit the Asia's largest Air-conditioning manufacturing plant of Daikin at Neemrana, Rajasthan, India and gone through the Japanese way of manufacturing. This industrial visit started from the first manufacturing plant of Daikin India, where students have gone through various types of air-conditioning system and industrial chillers. Students have gone through the shop floor where they have observed various machines and manufacturing process of ac's. Further students moved to the R&D centre of Daikin India. Where they learned and observed the various quality test performed by the Daikin India to maintain their market repute.





# NEWS & EVENTS

## IoT WORKSHOP

IoT-NCR an online community in partnership with Thingif(y) conducted a workshop on Self driving cars at School of Engineering and Technology, Ansal University. Anyone can join this community (students or working professionals).



## WORKSHOP ON CYBER SECURITY-LUCIDEUS ( SET )

School of Engineering and Technology at Ansal University in collaboration with Lucideus conducted a workshop on “Introduction to Cyber Security on 11th Jan 2019”. The main aim of the workshop was to familiarize the students with threats of cyber-crime and the importance of Cyber Security. This workshop was mainly focussed on creating comprehensive understanding in the field of Cyber Security. The Workshop opened with the general introduction by Prof. (Dr) Anamika Paul, Dean SET followed by key-note address on skype by Mr. Rahul Tyagi, VP & Co-Founder, Lucideus. As more nation-states become concerned about cyber risk it is utmost important to train our youth with the processes, technologies and practices designed in specific manner to protect networks, computers, programs and data from misuse due to attack, damage or unauthorized access. By 2020 there would be about 3.5 million job openings in the field of Cyber Security globally. The young minds who are stepping into this field today will have a definite say in shaping tomorrow. The workshop was concluded with a session by Dr. Sanjeev Sharma, Dean School of Health Sciences. He gave an overall insight of the industry. He encouraged students to introspect and realise their area of domain so that they can enhance their skills specific to their domain. This paradigm shift of technologies from border to more specific area will make them more employable. Adding to this Ms. Alpna Jijja from School of Engineering and Technology gave a deep insight on the latest Technologies- Artificial Neural Network and Deep Learning. Students inquisitiveness made the workshop lively and interesting.



# INDUSTRY-UNIVERSITY

## INDUSTRIAL VISIT TO AERF , NOIDA



The students of Electronics & Communication Engineering, School of Engineering & Technology visited the Associated Electronics Research Foundation (AERF), Noida on 25-April 2019 accompanied by the faculty Mr. Sandeep Gulia. AERF is a non-profit research center recognized by the Government of India and is funded by the Department of Electronics (DoE). The students visited various advanced level laboratories in the center. Initially, they were familiarized with various projects developed at the institution such as PTR 1000 telephone (used by Indian Army), various jigs for Field Telephone Set, Digital Energy Meter and Speed & Dial PBA etc. Apart from that students were demonstrated various testing equipment & testing procedure which are used to check the quality of a product before it is launched in the market. These include ripple current tester for electrolytic capacitors, RC wire checking jig, Test jig for Amplifier performance, PC based FBT-Salora, Beam scanning, Video extractor for 3D RADAR, Climatic Test Chamber, Electrostatic Discharge Test & Vibration Table test. The students were also made familiar with various category of national and international standards of testing and methods of approval. In the end, the students were made aware of the various academic facilities at AERF, like the AERF Library, Material Appraisal Lab, hands on experience and others. The trip was found to be informative and motivating for the students.



## INDUSTRIAL VISIT TO HYDRO POWER PLANT

With an aim to explore beyond academics, an industrial visit to Hydro power plant was arranged by the Deptt. of Civil Engineering, SET, Ansal University, for B.Tech Civil students from 15th April'19 to 16th April'19. The purpose of the visit was to provide an opportunity to the students to learn about the actual dam site conditions and to know about the practical concepts in the world of Hydro Power Generation. We are very thankful to the officials of Dam for their full support and detailed information on the design of site conditions and working of Dam.





# NEWS & EVENTS

## VISIT TO CONVERGENCE 2019

Students & faculty of SET attended the 27th Convergence India 2019 (a conference cum exhibition event) held at Pragati Maidan Delhi on 29th Jan 2019.



## Industrial Visit—NPTI

Did you know? At NPTI, Faridabad (National Power Training Institute) there is a 500MW fossil fuel fired power plant simulator that realistically emulates the behavior of the entire process simulation in a real-time scenario for a meaningful and off-job operator training and the simulator has more than 250 emergency situations!

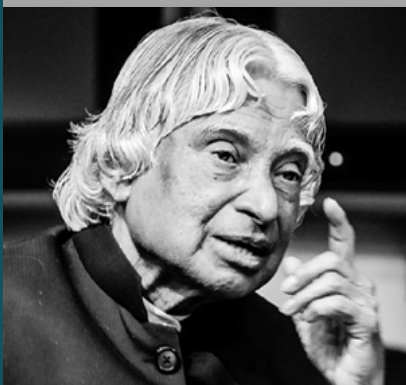
Such fruitful Industrial Visits are must for students to embark on a successful career, we laud the efforts of Instructors and Professors to organize such Visits.



# NEWS & EVENTS

## UNNAT BHARAT ABHIYAN PROJECT OF SCHOOL

Being a part of the Unnat Bharat Abhiyan initiative, School of Engineering and Technology at Ansal university has its first activity camp in collaboration with Sushant School of Health Science (SSHS), School of Law (SOL) at Turkapur Village Haryana on 24th January, 2019. The camp activities include Eye screening camp organised by SHSS, a Legal aid camp organised by Aulac (SOL), data procurement for village survey and household survey forms by SET. A total of 40 people were screened during the day and also given information about eye hygiene and common eye diseases.



“Almost half of the population of the world lives in rural regions and mostly in a state of poverty. Such inequalities in human development have been one of the primary reasons for unrest and, in some parts of the world, even violence.”

A. P. J. Abdul Kalam



# NEWS & EVENTS

## Guest Lecture—Embedded Systems and Product Design in Industry

The department of Electronics and Communication Engineering, under School of Engineering and Technology, Ansal University organized a guest lecture on the topic "Embedded Systems and Product Design in Industry" delivered by an Industry Expert Mr Dharmender Kumar (Architect, Harman Connected Services, Samsung). The talk covered the concepts of Product Development Cycle in Industries including the basic terminologies, Embedded Domain Systems, examples of Real time Systems Product manufacturing flowchart starting from the Requirements gathering till the Design phase, Testing phase and Certification phase. A brief outlook of the Design tool for Schematics/Circuit Design and the PCB design was also presented and it followed by a DEMO session of the Testing Instruments, Antenna Types, PCB types and SoM Modules which are used in Industry currently.



# NEWS & EVENTS

## Guest Lecture—Green Environment and technologies

School of Engineering and Technology, Ansal University organized a guest lecture on “Green environment and Technologies” by an Expert Ms. Ritu Ghosh (Head, Corporate affairs and CSR, Panasonic India Pvt Ltd.). Ms Ritu Ghosh is an Information Communication and Technology (ICT) public policy expert with over 22 years of experience in areas including Social and Environment responsibility. Currently chairing the environment council at CEAMA, Ritu Ghosh has been actively engaged with the government on environment sustainable strategies. The main aim of the lecture was to sensitize the students about environment sustainability by e-waste segregation and move ahead towards Green future.



## WORKSHOP ON IOT

The workshop on The Internet of Things – Hands on Development was held at SET, Ansal University, Gurugram Haryana on 28<sup>th</sup> March, 2019. The total 22 participants have participated in this workshop which includes B.Tech CSE and B.Tech cyber security 1st year students. The workshop started by providing real IoT experience at the registration desk itself – when participants were provided with the IoT kit to continue their journey with IoT. Session was started with keynote lecture on *IoT* and future of connected world by Prof. Latika Singh, Associate Dean at Ansal University. The session provided the interfacing of sensors like MQ4, DHT11, IR Flame, Laser Diode, and PIR, Ultrasonic etc. with the Arduino Uno board followed by live coding and sensor interfacing. The session also included IoT demo applications with raspberry Pi board. This session was continued by Mr. Antim Dev Mishra, workshop coordinator and Sr. Technical Officer at Ansal University, to demonstrate some working projects and live control of electrical appliances using ESP and Android app.





# NEWS & EVENTS

## Ardee-Ansal College Bridge Program

School of Engineering and Technology successfully conducted a week long Ardee-Ansal College Bridge Program. In total 64 students from different branches of Ardee School including The Ardee School Gurgaon, Delhi and Goa participated in the hands on sessions and Project development Modules being covered during the week.

The inauguration was done in the presence of Prof (Dr) Raj Singh Hon'ble Vice Chancellor, Ansal University, Col Rajiv Chauhan, Registrar Ansal University and respective deans of different schools.

The project sessions included familiarization with sensors, basics of Coding, interfacing with Smart Boards, Android App Development, Controlling the Sensor Stack using Blynk App. The students also got the opportunity to have an interaction with Mr Vinay Solanki, who is an alumnus of IIM Ahmedabad and is currently leading the IoT business for Lenovo in APAC & MEA.

Under the supervision of mentors, the teams of students developed real time working application based projects of social relevance which were presented on the last day in an exhibition. Some of them are Automatic Irrigation Systems, Voice Controlled Devices, Smart Cap for visually impaired people, Secure Smart Lock, Obstacle Detecting Self Driving Car, Energy Management System by Smart Lighting, Gas Detector for Septic Tank Cleaners etc. The event ended with a closing ceremony where Best three Projects were awarded and students were given titles by their respective mentors



# NEWS & EVENTS

## Enterprenuership Programme on Solar Energy Sysstem

School of Engineering and Technology organized Two Day Enterprenuership Programme on Solar Energy Systems on April 22-23, 2019 partially sponsored by Bharat Electronics Pvt. Ltd. The programme was designed to facilitate the participants to explore the opportunities in the renewable energy sector. It was divided into four sessions, in the first session Dr. S. Devaneyan imparted knowledge on Requirements to start a business, Business Models of Solar Energy Systems, Return on Investment etc. The second session was dedicated to technicalities of Standalone/OFF grid and ON Grid Solar PV System and has been taken by Dr. Megha Khatri, which was followed by a visit to in house solar plant. In the third session Dr. Isha Saini discussed about the Organic Solar Cells and the fourth session was on demonstration of DC and AC solar systems and development of low cost systems based on field of their application.





# NEWS & EVENTS

## ICSC 2019

A two day long workshop was conducted at School of Engineering and Technology, Ansal University, Gurugram on 28th & 29th March'19 on the training of Primavera and Tekla Structures Software for the students of B.Tech Civil Engineering. These softwares are very helpful and popular for all those who are in the field of Construction Industry( Tekla Structures) and Construction Management ( Primavera Software).



## ATV- All Terrain Vehicle

This is an ALL-TERRAIN VEHICLE (ATV), capable of off-roading with high safety and high mileage of 35 km/litre! The ATV is designed and built by students of Ansal University with an objective of achieving high safety standards with less production cost of just 27,000 INR in comparison to the ATV's of similar specifications (150 cc), which costs around 2,00,000 INR.

Built by Akash Rao, Tarun Yadav ,Nischay Gaur, Sumit Yadav, Rohan Singh Sajwan



# NEWS & EVENTS

## EXERGY' 19 (CSI EVENT)

School of Engineering and Technology under Computer Society of India - Student Chapter organised Exergy'19 on 15th April, 2019. The students got a chance to unleash their technical and gaming skills in events such as:

1. Blind Coding
2. Tech Debate
3. PC Assembling
4. PUBG Gaming Event



*“The only thing that endures over time is the Law of the Farm. You must prepare the ground, plant the seed, cultivate, and water it if you expect to reap the harvest.”*

*- Stephen Covey*



# STUDENT ACHIEVEMENTS

## ALUMNI TALK

### Alumni Talk Series "Connect, Cultivate and Inspire-IV"

Placed in Audi as a "Business Analyst" in his 7th semester, Rohan Vasishta is now working as a "Branding, Marketing and Communications Specialist" at Jindal Steel & Power Ltd.

Being a pass out student of 2017 batch, he is surely an inspiration to the current students! "Speaking about how a blend of smart work and hard work is a key to stay relevant in the current times, smart according to him is being keen, lively, result-oriented and learning from one's mistakes".

We wish him a big success for his future endeavours and thank him for his effort to inculcate students with respect for "Hard work & Smart Work".



## GRIDTECH '19

Congratulations to the Student team from School of Engineering and Technology who have won the consolation prize of INR 20,000 at Gridtech Exhibition (MHRD sponsored). With over 66 teams from all over India, our team gave tough competition to IITs, NITs and many other renowned universities. [#Winners](#) [#Gridtech](#)



# STUDENT ACHIEVEMENTS

## APOGEE '19

Congratulations to Kunal yadav of B.tech CSE second year who participated in 6 competitions held at BITS Pilani, APOGEE technical fest. He has made us proud by winning 4 out of 6 competitions!

1. International coding league: There were 37 rounds with 650+ coders. Kunal won this challenge and was awarded a prize of INR 5000 and a certificate.
2. Research paper presentation: In this challenge he was awarded for best innovative idea and won prize of INR 5000 and a certificate.
3. Blind coding: Coding was to be done with monitors turned off and he won 2nd position.
4. PUBG: Won 1st position with a cash prize of INR 1500 and a T shirt.



## Two Student from SET went to Bali for a conference

Students from School of Engineering and Technology attended 5 days long event on “Public Private Partnership by youth” held in Bali in Jan 2019. In the 5 days event, 85 delegates and guests from 20 cities in Asia worked together to learn about cross sector and citizenship to design a sustainable vision for tourism industry.





# CAMPUS FIZZ





# ALUMNI MEET

**ECE BATCH 2012-2020**

It's always a pleasure having our alumni who are doing well in their professional lives come back to campus and share their learnings and knowledge with our current students.

The department of electronics and communication under School of Engineering and Technology organized an alumni lunch meet for ECE batch 2012-2016 students. The students interacted with their seniors and got to know the latest trends in industry as well as tips and tricks to prepare for real life challenges of the professional world.





VOLUME 2 , ISSUE 1  
ANSAL UNIVERSITY  
SCHOOL OF ENGINEERING AND TECHNOLOGY  
NEWS LETTER



Editorial Team -:



(ICSC-2019) is  
**Dr. Anamika Paul**  
DEAN, SET



**Ms. Pramneet Kaur**  
Chief - Editor



**Mr. Manay Shankar**  
Student Correspondent