January -June ,2020

Amity School of Engineering and Technology

TechFeed

Ranked 32nd Engineering Institute In India

MESSAGE FROM JOINT HEAD

Prof.(Dr)Abhay Bansal

A warm and affectionate welcome from Amity School of Engineering and Technology, Amity University. Amity University today benchmarks against the best universities around the world as per the vision of our most respected Hon'ble Founder President. New technology brings opportunities to challenge competitiveness. We believe that understanding is the first step to be able to solve these problems and Computation lies at the heart of understanding systems. But is it all? I am glad to announce that our students are excelling in many fields worldwide and bringing laurels to Amity School of Engineering & Technology, Amity University. As the world now demands smart Global Engineers and not just a graduate, ASET encourages students to take part in areas such as Sports, Entrepreneurship, organization of events related to Human Values, Community Outreach, working with NGOs, Youth Festivals and alike They even get ample opportunities to participate in competitions worldwide. We at Amity motivate our students to be involved in various international conferences By Virtue of our International Collaborations with world top universities, we provide our students to study abroad. ASET expresses its gratitude to have well-equipped high-tech laboratories and experienced faculty members, who are giving their best to nurture the best. With this, I wish our students to be an invaluable asset to an organization.

Prof. (Dr.) Abhay Bansal
AWS Certified Cloud Practitioner
Director, International Collaboration for Engg. &Tech.
Joint Head - Amity School of Engineering & Technology

Prof.(Dr)Manoj Kumar Pandey

Amity School of Engineering and Technology aim to develop globally adaptable professionals with social sensitivity. Today we are all witnessing the impact of globalization and liberalization. It is true that the technological transformation has impacted all our lives. In this era of globalization and liberalization there are lot many challenges. As an academic institute it is necessary to address these challenges. At institute level we are constantly taking efforts to ensure that our students will showcase their academic talent with high moral values. Our students being Engineers will contribute and for sure will keep Social Commitment. Faculty-members guide and monitor students by participating in their academic, research, sports & cultural pursuits. We want our students to be committed, dedicated to their goals along with integrity and concern for the environment and rural society they live in. We rely on a pedagogy that promotes creativity and innovation and teaching-learning practices of high standards. Creativity flourishes in an atmosphere that is free, friendly and above all, democratic and participatory in nature. Every course is designed, delivered, and monitored in a manner that will add a significant value to a student. We equally emphasize on the development of core human values, mental well-being, and physical well-being of our students

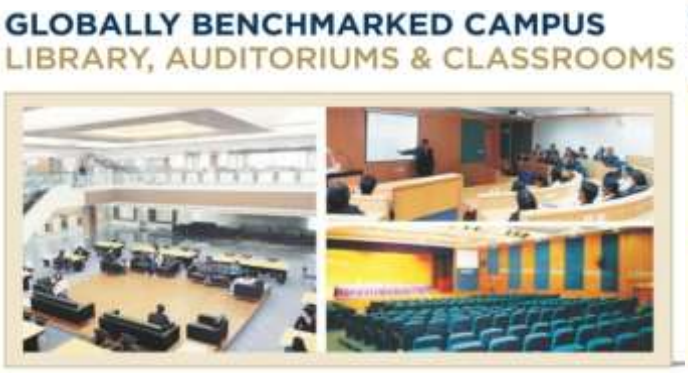
Prof. (Dr.) Manoj Kumar Pandey
Joint Head - Amity School of Engineering & Technology
Amity University Uttar Pradesh

About Amity School of Engineering and Technology

Amity University Uttar Pradesh, a research and innovation driven University having grade "A+" Accreditation by the National Assessment and Accreditation Council (NAAC) body of government of India and 37th Ranking in NIRF. It has more than 20 years old legacy of creating future leaders. Established by a great visionary and leader, Dr. Ashok K Chauhan - Founder President, Amity Group, it is one of the education group that offers education from pre-Nursery to Ph. D. level with over 1,75,000 students studying across 1200 acres of hi-tech campus. Under the able guidance of our Chancellor, Shri Atul Chauhan and Vice Chancellor, Prof.(Dr.) Balvinder Shukla, Amity University has been ranked the No. 1 private University and Amity institutions are constantly ranked amongst the top. To be a truly Global University, Amity University has set up over 10 University and International campuses located in London, Dubai, Singapore, Yew York San Francisco, Mauritius, Nairobi, Tashkent, and many more to come. Around 1200 patents are filed by the faculty and about 300 govt. funded research projects are being worked upon.

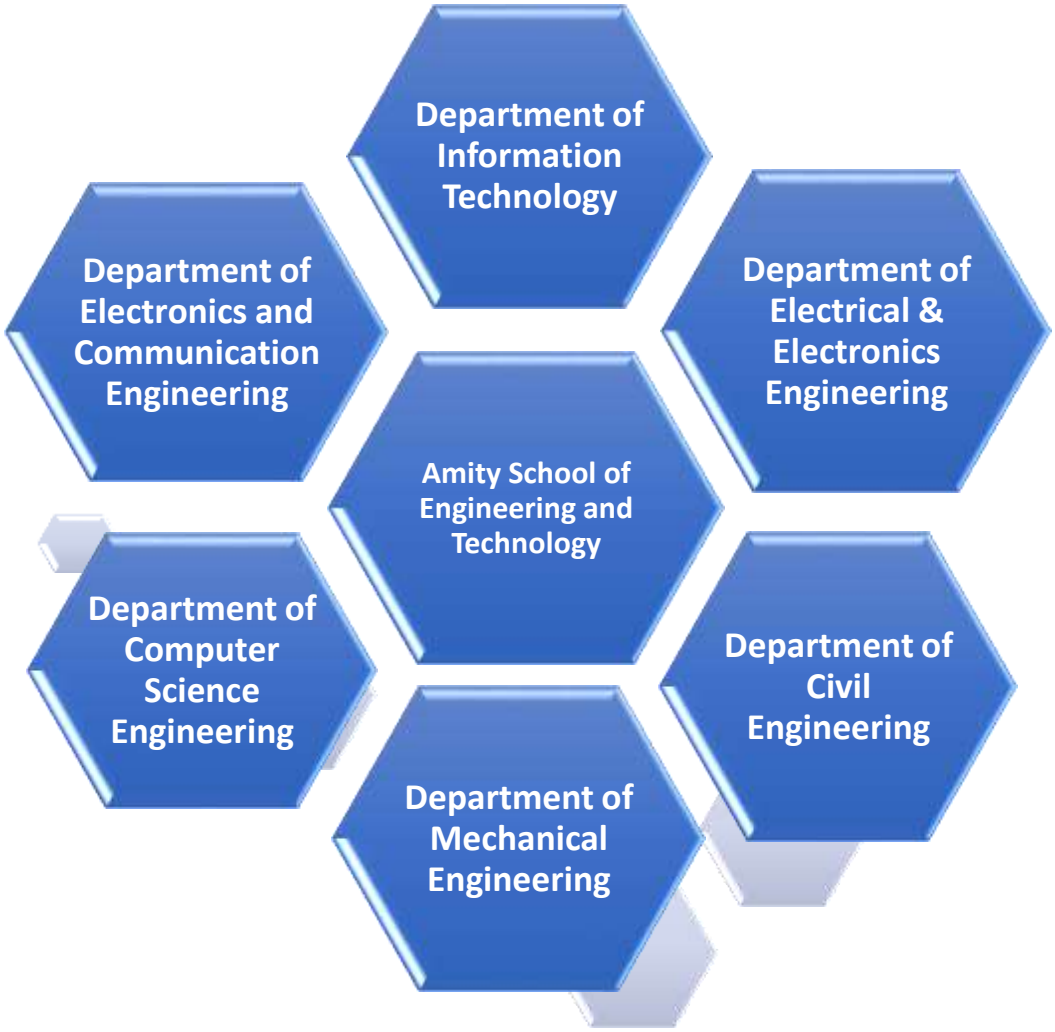
Amity School of Engineering and Technology was established in 2005 and is proud alma mater of 10 batches. It's a matter of great proud for Amity School of Engineering and Technology to be a contributing institute in the extravagant journey of Amity Universe, ranked 32nd in engineering domain in NIRF and have international accreditation to its credit. With world class infrastructure and learned faculty we are nurturing talent and innovations in budding Engineers.

Also read more: https://www.amity.edu/aset/



RECOGNITIONS & ACCREDITATIONS

Departments in Amity School of Engineering and Technology



PROGRAMMES OFFERED	
Department of Mechanical Engineering	• B.Tech. (Mechanical Engineering) • B.Tech.(Mechanical Engineering) + M.Tech. (Automobile Engineering) - Integrated • B.Tech. (Mechanical Engineering) + MBA - Integrated • B.Tech. (Petroleum Engineering) • B.Tech.(Mechatronics) • M. Tech. (Automobile Engineering) • M. Tech. (Mechatronics) • M. Tech (Thermal & Fluid Science) • M. Tech. (Industrial & Production Engineering)
Department of Civil Engineering	• B. Tech. (Civil Engineering) • B. Tech. (Civil + MBA-Integrated) • M. Tech. (Environmental Engineering) • M. Tech. (Structural Engineering) • M. Tech (Structural Engineering-weekend)
Department of Information Technology	• B.Tech. (Information Technology) • M. Tech. (Information Technology) • M.Tech.(Computer Network & Information Security)
Department of Computer Science & Engineering	• B.Tech. (CSE) • B.Tech. (CSE)+MBA (Integrated) • B.Tech. (Artificial Intelligence) • B.Tech. (CSE)-Evening • M. Tech. (CSE) • M. Tech. (Data Science) • M. Tech. (CSE)-Weekend

Department of Electrical & Electronics Engineering	• B. Tech. (EEE) • B. Tech. (Electrical & Instrumentation) • M. Tech. Power Systems • M. Tech. Control Systems
Department of Electronics and Communication Engineering	• B.Tech. (ECE) • B.Tech. (Robotics) • B.Tech. (ECE-Evening) • B.Tech. (ECE) + MBA Integrated) • B.Tech. (E&T) • M. Tech. (E&C - Weekend) • M. Tech. (VLSI) • M. Tech. (Embedded Systems Technology) • M. Tech. (Wireless Communication)

Programmes offered with International Exposure

- B.Tech. (Mechanical Engineering) - 3 Continent
- B.Tech. (Mechanical Engineering) – International
- B.Tech. (Civil)-International
- B.Tech. (Civil)-3 Continent
- B.Tech. (CSE)- 3 Continent
- B.Tech. (CSE)- International
- B.Tech. (EEE)- International
- B.Tech. (ECE) -3 Continent

New Programmes Introduced

- M. Tech. Structural Engineering (weekend Course)
- B.Tech. in Petroleum Engineering
- B.Tech. Robotics
- B.Tech. Mechatronics

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

From the HoD desk

Prof. (Dr.) Abhay Bansal
AWS Certified Cloud Practitioner
Joint Head, ASET
Director, International Collaboration for Engineering & Technology
Head, Department of CSE
Amity School of Engineering & Technology
AMITY UNIVERSITY UP

With immense pleasure and pride, I announce the release of the NewsLetter by the Department of Computer Science & Engineering, ASET. The News Letter provides a platform to various academicians and students for enabling a holistic flow of ideas and knowledge, and promote the propagation of innovations and visions. Riding on the success of its past conferences and critical acclaim, 10th International Conference, CONFLUENCE-2020 was organized in January ,2020. My whole-hearted congratulations to all, on the grand success of the Conference.

Also, we are seeing unprecedented times of Covid-19 threat. But our faculty members and staff have come together in the most extraordinary ways to ensure that there is no academic loss to students. The department has organized many guest lectures, seminars and expert talks by international experts, renowned academicians and established alumni's. Career counselling sessions are being successfully held for admission aspirants online.

As we physically distance ourselves from one another and follow the social distancing rules, let's come together and keep on disseminating knowledge and positivity. I congratulate the team for bringing out the NewsLetter.

Facebook: https://www.facebook.com/cse.aset.75

Linkedin: **linkedin.com/in/cse-department-aset-6a39041ab**

Twitter:**https://twitter.com/CSE_ASET**

Youtube:**https://www.youtube.com/channel/UC5XLGhW3Iz1zIFxNQ1NR5sA?view_as=subscriber**

Happenings@CSE

Confluence 2020

Prof. (Dr.) Balvinder Shukla, Vice Chancellor, AUUP & Patron, Confluence 2020, Prof. Dr. Abhay Bansal, Jt. Head, ASET & HoD, CSE Dept., Dr. W. Selvamurthy, President, Amity Science, Technology & Innovation Foundation and International Delegates releasing the Proceedings of Confluence 2020

Department of Computer Science and Engineering, Amity School of Engineering and Technology (ASET), Amity University, Uttar Pradesh organized the 10th International Conference CONFLUENCE-2020, on the theme of "Cloud Computing, Data Science and Engineering" at Amity Campus, Sector-125, Noida.

The three day enthralling Conference was organized in industry partnership with AWS and academically with The University of Queensland, Australia; University of Florida, USA; Western Sydney University, Australia; RMIT University, Australia; University of Canberra, Australia; Memorial University of Newfoundland, Canada; Deakin University, Australia; LATrobe University, Australia; University of Essex, UK; Liverpool John Moores University, UK; Iowa State University, USA; ESTP Paris; Curtin University, Australia; University of Salford Manchester, UK; University of South Alabama, USA; CITANDA; Melbourne Clouds Lab and Network N+i Educational Institution, France. The Confluence witnessed 30+ international speakers from across the globe including University of Michigan, USA; Honda Research Institute, Japan; Technical University of Madrid, Spain; Deakin University, Australia; University of South Florida, USA; Monash University, Australia; University of Waikato, New Zealand; Liverpool John Moores, UK; Cranfield University, UK; Emory University, Atlanta; University Putra Malaysia, Malaysia; University of Pretoria, South Africa; University Technology Petronas, Malaysia and Open University, UK.

There had been an overwhelming response for research paper submissions wherein 600 research paper submissions were received on Conference theme and related domains from faculty members and Ph.D. scholars from across the globe such as United States, United Kingdom, Australia, Argentina, South Africa, Malaysia, Greece, Spain, United Arab Emirates, Indonesia, Myanmar, Nigeria, Oman, Saudi Arabia, South Korea, Bangladesh, Guadeloupe, and Yemen to name a few. With a staggering review process, only 147 manuscripts that met stringent requirements of high scientific quality and significance, originality, and priority were accepted and got registered for presentation during the three days of the Conference in various technical sessions. All the papers registered and presented will be sent to IEEE Xplore Digital Library for publication and all published papers would be indexed in SCOPUS.

The guests of honor which included Prof. (Dr.) Parosh Abdulla, Uppsala University, Sweden; Prof. (Dr.) John Domingue, Professor, Open University, UK; Prof. (Dr.) Mike Hinchey, Director of Lero & Professor, University of Limerick, Ireland; Dr. Kazuhiro Nakadai, Professor, Honda Research Institute, Japan and Prof. (Dr.) Bernhard Pfahringer, Waikato University, New Zealand, alongside Prof. (Dr.) Balvinder Shukla, Vice Chancellor, AUUP & Patron, Confluence 2020, Prof. (Dr.) Abhay Bansal, Jt. Head, ASET & HoD CSE; Prof. (Dr.) M.K. Pandey, Jt. Head, ASET; and Dr. Abhishek Singhal, Deputy HoD(CSE), ASET inaugurated the Conference.

Embracing the distinguished forum, Prof. (Dr.) Balvinder Shukla, Vice Chancellor, AUUP & Patron, Confluence 2020, shared Confluence's vision to promote the spirit of waving the flags of research and innovation in order to infuse one and all with the essence of being the change of the globe and to build a solid foundation in technology. Prof. (Dr.) Abhay Bansal, Jt. Head, ASET & HoD CSE, as a mentor, motivated the students to use this golden opportunity through concrete interactions with the renowned Academicians. Further, while embracing Amity's values of gratitude, the dignitaries on the dias offered mementoes to the guests.

The aura of technological eagerness and curiosity continued to the finale of the Conference keeping the spirit of exploration and research high. Valedictory Session was graced by Honorable Chairperson, Amity Group of Schools, Dr. (Mrs.) Amita Chauhan. Top officials of various industries like Ministry of HRD, Innovation Cell, Government of India and National Board of Accreditation (NBA) were welcomed and honoured. Amity Researcher Awards were conferred upon to distinguished researchers and academicians for their significant contribution in their respective fields. Amity University also conferred an Honorary Professorship to eminent scientists, during Confluence 2020.

The colloquium concluded by presenting leadership awards to the leaders in business excellence from Microsoft, ASUS, Inxee, Gesture Research, Lakshmi Kumaran & Sridharan Attorneys, Nokia, SSRX, Hungama Digital and THALES India.

Showcasing the heritage of India, the audience was entertained through an exceptionally well performed series of cultural events. Further, to help foreign delegates explore and get a taste of our diverse Indian culture, the university arranged a trip to Taj Mahal, Agra.

Prof. (Dr.) Gurinder Singh, Group Vice Chancellor, Amity University and Prof. (Dr.) Abhay Bansal, Jt. Head, ASET & HoD, CSE Dept. with the International Speakers and faculties during MoU Signing and International Collaboration Session of Confluence 2020

AYF: SF-COVID (Cure through Ideas)

The Department of Computer Science and Engineering organized an online Project Management Competition in association with The Project Management Institute, North India and IEEE UP Section as a part of Amity Youth Forum Online 2020. Students from all over the world participated and presented their novel innovations in the COVID19 scenario pertaining to the fields of healthcare, economy and business, education and crisis analysis and management.

The **SF-COVID (Cure through Ideas)** a cross-table/ project management event organized during Amity Youth Festival to encourage students to develop research measures against Corona Virus on various themes. It has received 116 entries with the participation from Kings College London, Jamia Milia Islamia, Delhi University, MNNIT Allahabad, NIT Kurukshetra, Christ University Bangalore, JIIT Noida, Bennet University, Galgotia University, MS, University Baroda, IBS Hyderabad, Chaudhary Bansi Lal University and many more. 56 Teams have appeared for the presentation with 153 student participation from various universities

AYF: TechWiz

TechWiz is an online competitive coding and quiz competition organized by the Dept. of CSE, Amity School of Engineering and Technology which aimed to push young students to compete using their algorithmic knowledge and industry awareness.

Day 1: **8th May 2020**

11:00 AM – Competitive Coding Round begins

05:00 PM – Results of Competitive Coding Round are declared

Day 2: **9th May 2020**

11:00 AM – Quiz Round begins

03:00 PM – Result Declaration

The competitive coding round took place through HackerRank and the quiz round took place on Kahoot/Quiz. Participants ranked by the platforms themselves based on their efficiency in finding the solution. TechWiz has total 189 registrations out of which 55 participants were from outside. There were 19 participants from various schools.

Club Activities

1. "Online Essay Competition COVID-19" and "Quiz on Fundamental of Image Processing"events were organised by Dr. Deepesh Kumar Srivastava on 1st May, 2020.
2. Dr. Nancy Girdhar organised "Poster Competition" under Day of Belongingness on 24th April, 2020.
3. "Bio-Inspired energy-efficient protocols for Wireless Sensor networks" organised by Networks and cloud computing on 13thMay, 2020 attracted more than 50 participants.

Faculty Corner

Achievements

1. Dr Achyut Shankar was awarded Young Scientist Award by VD Good Technology Factory in July, 2020.
2. Dr. Achyut Shankar was Session chair for IEMIS 2020(Recent Trends in Computing) and ICSTCEE 2020 (Machine Learning in Internet of Things).
3. Dr. Dolly Sharma delivered a webinar on "Unleashing Machine Learning and Cloud Computing" on 19th May 2020 through Google Meet to Holy Cross College (Autonomous) Affiliated to Bharathidasan University, Nationally Accredited (4th Cycle) with 'A++' Grade (CGPA 3.75/4) by NAAC, Tiruchirappalli.
4. Dr. Prashant was invited by DAAD, Germany to participate in Postdoc Researchers Networking Tour 2019 with theme *"The Internet of Things, Cyber-physical Systems, and the Future of Manufacturing: Developing Industry 4.0"*: Globally only 22 people got the invite and all the expenses were borne by DAAD.
5. Dr. Prashant organised the Special sessions at following conferences:
    - *P.K. Gupta,* N. Bharill, J.A. Perez, O.P. Patel, "Artificial Intelligence technologies in Internet of Things (IoT)", accepted at IEEE WCCI 2020
    - M. Hooda, *P.K. Gupta,* M. Bhatia, "Computational Intelligence Techniques in cyber security", accepted at IEEE WCCI 2020
    - O.P. Patel, A. Tiwari, A. Saxena, *P.K. Gupta,* Special session entitled "Evolutionary Quantum Computing Algorithms", accepted at IEEE CEC 2020
    - N. Bharill, A. Tiwari, *P.K. Gupta*, M. Ratnaparkhe, Special Session entitled "Advance Scalable Machine Learning Techniques for NGS Analysis of Big Data", accepted at IJCNN 2020

6. Dr. Shilpi Sharma has successfully completed course on Cybersecurity and Mobility- an online non-credit course authorized by University System of Georgia and offered through Coursera on 5th May, 2020

7. Dr. Shilpi Sharma has successfully completed the requirements to be recognized as a Microsoft Technology Associate for Security Fundamentals on 18th March 2020.
8. Dr. Shilpi Sharma has successfully completed "NAAC Awareness Programme for Faculty" organized by Marathwada Mitra Mandal Institute of Technology (MMIT), Pune conducted online from 08/05/2020 to 14/05/2020.

9. Dr. Aakansha is an associate Editor of IEEE Access Journal [SCIE I.F.: 4.098].
10. Dr. Aakansha is guest Editor of Open Computer Science, ESCI Indexed.
11. Dr. Madhulika has visited Amity University, London under B.Tech 3 Continent program.
12. Dr. Madhulika has attended Artificial Intelligence Learn The New Rules of Money, 11 Jan, 2020, London.
13. Dr. Madhulika has attended Education in the field of AI, Barclays Eagle Lab, London, 20 Jan, 2020.
14. Dr. Madhulika has breakfast with Tableau, Tableau Headquarters, London, 23 Jan,2020.
15. Dr. Madhulika is pursuing Editorial with IGI Global and DE GRUYTER.

Books published

1 Dr. Sunil Kumar published a book “Evolution of Software-Defined Networking Foundations for IoT and 5G Mobile Networks”

2 Dr. Shuchi Mala published a book on “Study of K-Means Clustering Algorithm for Identification of Dengue Fever Hotspots”

3 Dr Dolly Sharma published a book on “Computer System Security – Basic Concept and Applications”

4 Dr. Akansha Singh published books named as “Machine Learning and Cognitive Computing for Mobile Communications and Wireless Networks” and “Deep Learning and IoT in Healthcare Systems: Paradigms and Applications”

Conferences/ Seminar/ FDPs/ Workshops attended outside Amity

1 Dr. Anjali Goyal attended ACM India Student Webinar: “What Is Software Engineering Anyway? Reflections on 50 Years of Software Engineering and the Road Ahead!” On 3/6/2020.

2 Dr Dolly Sharma attended AICTE Training and Learning (ATAL) Academy Online FDP on "Data Science" from 04-05-2020 to 08-05-2020 at Punjab Engineering College through WebEx.

3 Dr. Debjani Gosh attended Online Sessions by Institutions Innovation Council MHRD's Innovation Cell from 28 April ,2020 to 22 may, 2020.

4 Dr. Debjani Gosh attended many leadership talks by Dr. Abhay Jere(Chief Innovation Officer, MHRD Innovation Cell) sponsored by MHRD, MIC, AICTE, IIC.

5 Dr Sumit Kumar attended FDP on “Artificial Intelligence” at IIIT Naya Raipur and completed Online course on "Python 3.4.3” by the Spoken Tutorial Project, IIT Bombay.

Light Corner

Posters by Dr. Anjali Goyal & Dr. Nancy Girdhar

Student's Corner

Achievements

1. Team of Steve, Rishabh, Naveen, Rishabh, B.Tech. (CSE)2016-20 participated in Barco Geekathon held from 9th March to 10th march. Theme for the hackathon was smart city. Team was nominated to be in the top 10.

2. Swati Singh of B.Tech. (CSE) batch of 2016-20, got selected to attend F8 Hackathon and Conference happening in San Jose California, USA, from 28th April 2019 to 1st May 2019.
    - F8 is the Facebooks' annual developers conference and is the most eminent platform for developers all around the world. The scholarship is super competitive and is awarded to the individuals based on the achievements and impact they had on their community travel and expenses are sponsored by Facebook.

3. Team of following students Rishabh Jain, Aniket Dogra, Faraaz Ali from B.Tech. (CSE) 2016-20 have won the 24 hours hackathon (Hack UICET) organized at UICET, Panjab University, Chandigarh from March-15, 2019 to March-17, 2019.

4. Mr. Vipul Gupta of B.Tech. (CSE) batch of 2016-20,A Linux and FOSS enthusiast, working in Python have been selected into Massachusetts Institute of Technology's biggest undergraduate hackathon, HackMIT 2018. He is Google Summer of Code Intern and worked with Sugar Labs in 2018 working on the project SugarPort. Amity University has given Financial assistance to Mr. Vipul.

Alumni Speak

Mr. Piyush Arora
B.Tech (CSE) 2010-2014
Master, CIT, Purdue University, USA
Masters, Management, Harward University, USA
Microsoft, USA

I would like to thank Dept. of CSE, ASET for giving me opportunity to go to the Purdue University during my 8th Semester of B.Tech Program.
It was a life changing opportunity which helped me to reach where I am right now. Participation in numerous extra-curricular activities at Amity has given great learning experience for overall development. Department of CSE organizes an annual conference: CONFLUENCE every year which provides a great platform for exploring latest research and connect with world's eminent professors and industry leaders.

Ms. Shreya Sahani,
B.Tech(CSE) 2013-17
Amity University, Noida
MS, University of Florida, USA
Audible Inc, Amazon, USA
shreyasahani@outlook.com
Salary : 90 Lacs pa (approx..)

Amity gave me an unbelievably golden opportunity to go to University of Florida, USA in 8th semester of B.Tech Program. I was offered direct admission to the University to complete M.S in 1 year instead of 1.5 years as courses done at University of Florida, USA were dual counted.
I got unexpected but marvelous chance to do internship in Amazon and was offered job at Amazon, USA.
All credit goes to Amity University for making me success in life and achieve my goals.

Mr. Shivang Kumar,
B.Tech(CSE) 2012-16
Amity University, Noida
MS, University of Melbourne, Australia
Data Scientist, ANZ Banking group

I would want to thank the Department of CSE for giving me a global exposure to technology and science. I had got admission in the University of Melbourne to pursue a MS course in Information Technology and am now working as a Data Scientist at the ANZ banking group. I received immense support and guidance during my time at Amity university and am ever grateful for that.
Amity University had played a huge role for making me success in life and achieve my goals.

International Exposure

Two students of B.Tech. CSE International 2018-22 Batch got admission in 2+2 Program in University of Queensland.

1. Deepanshi Chauhan
2. Millenium SIngla

International Honorary Professors

1. Prof. (Dr.) Parosh Abdulla, Uppsala University, Sweden
2. Prof. (Dr.) John Domingue, Open University, UK
3. Prof. (Dr.) Bhuvanesh Unhelkar, University of South Florida, USA
4. Prof. (Dr.) Bernhard Pfahringer, University of Waikato, New Zealand
5. Prof. (Dr.) Frada Burstein, Monash University, Australia

6. Prof. (Dr.) David Chesney, Michigan State University, USA
7. Prof. (Dr.) Shanika Karunasekra, Melbourne University, Australia
8. Dr. Kazuhiro Nakadai, Honda Research Institute Japan
9. Prof. (Dr.) Ankit Agrawal, Northwestern University, USA
10. Dr.SushilChandra,Scientist‘G’-INMAS,DRDO,Delhi

LOI and MOUs

1. LOI with University of Waikato, New Zealand
2. MOU Signed with University of South Florida, USA
3. MOU Signed with Eastern International University, Vietnam

Global Exposure to Students

Pictures of UK Visit: Part of 3C program

Student feedback on global exposure

Name: Mr. Archit Khatri : B.Tech (CSE), 2016-2020 International Exposure: Senior Certification Programme University: University of Florida

University of Florida's senior certification programme is once in a life time opportunity for students seeking for masters abroad. This programs really helps you set career on a defined path and provides you with the opportunity you may not know about. I came to know about University of Florida through the Senior Certification Programme in which we can go to UF in your last semester and you can study 3 Masters level subject there which will be counted in your Master's Degree if you continue MS there. My experience at UF has been a overwhelming one. The study pattern there is way different than any other Indian institute, they focus on practical skills and therefore a lot of emphasis was given on projects. Florida is an amazing place with a mild weather throughout the year. I recommend each person seeking for masters to at least try out this course and decide for themselves. I am writing this, while I am pursuing this course and believe its worth every bit. This course will entirely change you as a student and there is no easy way to get into such a great university. All thanks to Amity University, Prof. Dr. Abhay Bansal Sir, Prof. Dr. Sartaj Sahni, and Dr. Garima Aggarwal for providing us this opportunity.

Industry Interface

Webinars/Industry Lectures Organized

Glimpses of various webinars delivered by eminent professors importing knowledge through online mode

DEPARTMENT OF CIVIL ENGINEERING

From HoD's Desk

It gives me immense pleasure to welcome the Amity fraternity to the Civil Engineering department's newsletter that inculcates the happenings and activities of our department. Though life is now slowed at a pace with lesser mobility, the momentum of the holistic development of our students has gained an impetus through the series of webinars conducted by notable researchers, industry leaders, and alumni, events, and activities in the online mode. The profound learning structure under the able guidance of the professors and the faculties have instilled a ray of hope and urge of learning among our students. The world at present is going under innumerable changes that are encouraging students to learn new skills and build a strong, creative, demanding, and sustainable character for the future ahead. We have a multidimensional approach for the budding engineers in our department who have a vision to become the future of our Nation. The Department of Civil Engineering with its multifaceted faculties has a strong connection to the industry that very often engages with our students for counselling. Thus, to build the leaders of tomorrow and the spirit of leadership among them all we hope that life is blessed upon by the almighty.

Dr. R. K. Tomar, PhD (IITD)
Head, Department of Civil Engineering,
Amity School of Engineering & Technology
Website Link: *https://www.amity.edu/aset/departments-Civil.asp*

Happenings @ Department

Amity Youth Festival

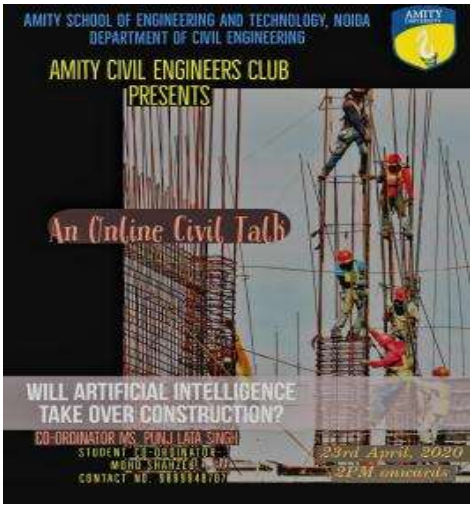
Amity Youth Festival's events were conducted on 9.05.20 &10.5 20

EVENT 1: MAZE O FAZE (CROSSWORD)
OBJECTIVE: To fill the crossword with the answers to the questions provided.
EVENT 2: Vision Tech
OBJECTIVE: To design and analyze the stability of a dam using GEO-STUDIO (Open ended code)

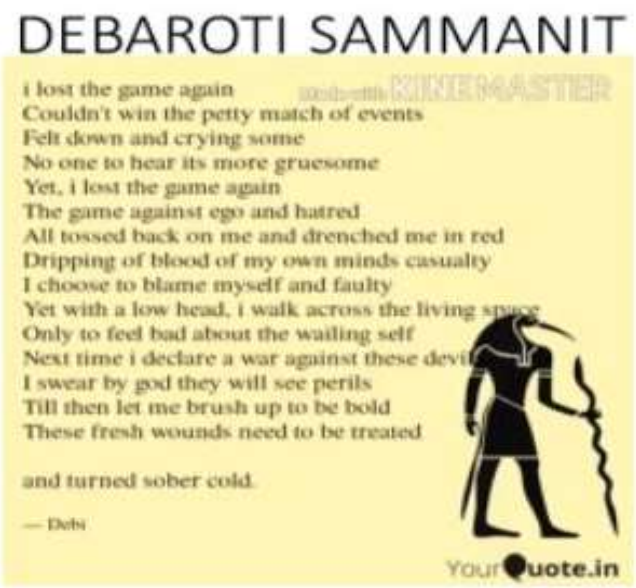
EVENT 3: Model Your Thoughts
OBJECTIVE: To convert your ideas in graphics on transportation (roadways, railways and airways) safety amidst coronavirus pandemic.

Day of Belongingness

The usual way of lockdown was beginning to stir in boredom, when the club committee events at the department again sparked the hearts to explore something new. Events held were: **An Online Buildcon Talk**, the theme of the event was celebrating a sense of belongingness , having a discussion on the topic “Recent Advancements in Construction Industry”. The discussion was held online on MS Team and the event was organized under the guidance of faculty coordinator Ms. Punj Lata Singh and members of the Civil Engineers Club. Another notable event was **Online Talent Hunt**, an online talent hunt contest was organized by Amity Civil Engineers Club, “ Department of Civil Engineering”. The contest took place on Ms teams, where all the audio, video and photographs were sent by the contestants showcasing their talent were displayed. Out of all the participants, the top 3 were identified as winners. **Online Photography Competition**, an online photography event was organized jointly by Mechanical Engineering and Civil Engineering Departments of Amity School of Engineering and Technology for celebrating belongingness. With great immense and show the online contests successfully aimed at the holistic development of the students.

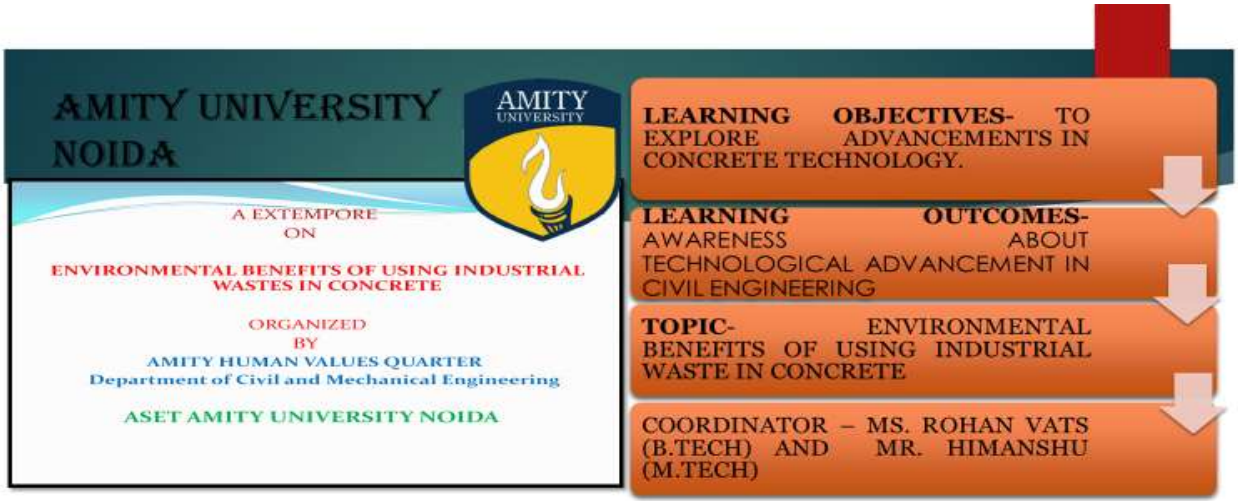


Some photographs of the Event



Human Value Community Outreach

Human value activities organized by Department of Civil Engineering under the supervision of Dr. S.Varadhrajan.



Students Activities

An industry visit was planned for our students where they learnt traditional design-bid-build or integrated delivery methods. Students benefited from the visit as they were exposed to the real life technicalities of the civil engineering field work.

Military Training Camp

Student are given exposure for military training for 5 days so that they can get motivated for defence services to serve the nation.

Webinar

Webinar on STAAD. Pro, Software used in Civil Engineering for Design and Analysis ,was specially organised for the students of Department of Civil Engineering. Several webinars such as "Approach and opportunity for startup business in construction field" that was lead by Mr. Gaurav Raghuvanshi, the Young Founder & CEO of GRV BUILDCON LLP and a webinar on "Role of White Cement and VAP's in Aesthetics and Durability of Building Structures" session was guided by industry expert Mr. Anvesh Singh DGM/Zonal Head (U.P and U.K) of JK Cement Ltd. These sessions had immense response from the students via the online platforms, besides being a webinar, it also had the essence of an interactive webinar that created a relation among the presenter and the attendees.

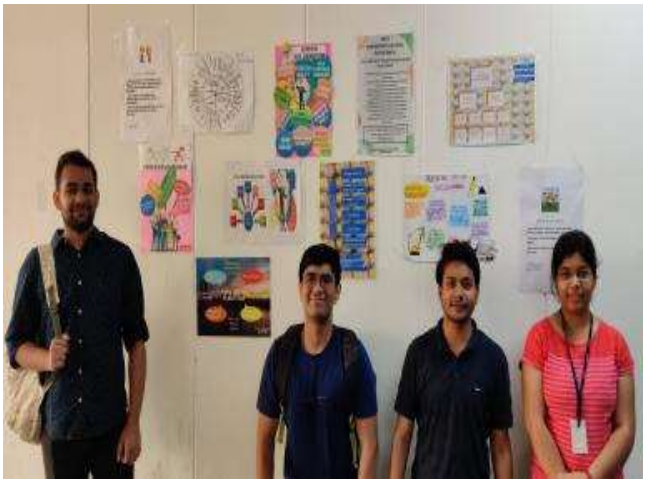
Students Corner

Club committee event

A tower making competition was organized by the students of the Civil Engineers Club. Participants learnt to build the highest and the strongest tower by only using newspaper and water as an adhesive. This not only taught them the fundamentals of basic construction but also helped them polish their leadership skills.

To test the technical knowledge of the students in our department, the civil engineers club organized a quiz in the form of a crossword puzzle which consisted of questions of varying difficulties. The students participated with full enthusiasm and enjoyed the fun filled activity.

A poster making event was conducted at the department of civil engineering on the topic **Ethics in Civil Engineering** which focused on creating a sense of awareness amongst the budding engineers about the various practices, ethics in the field of civil engineering.



Student's Views (Life with Covid -19)

Debaroti

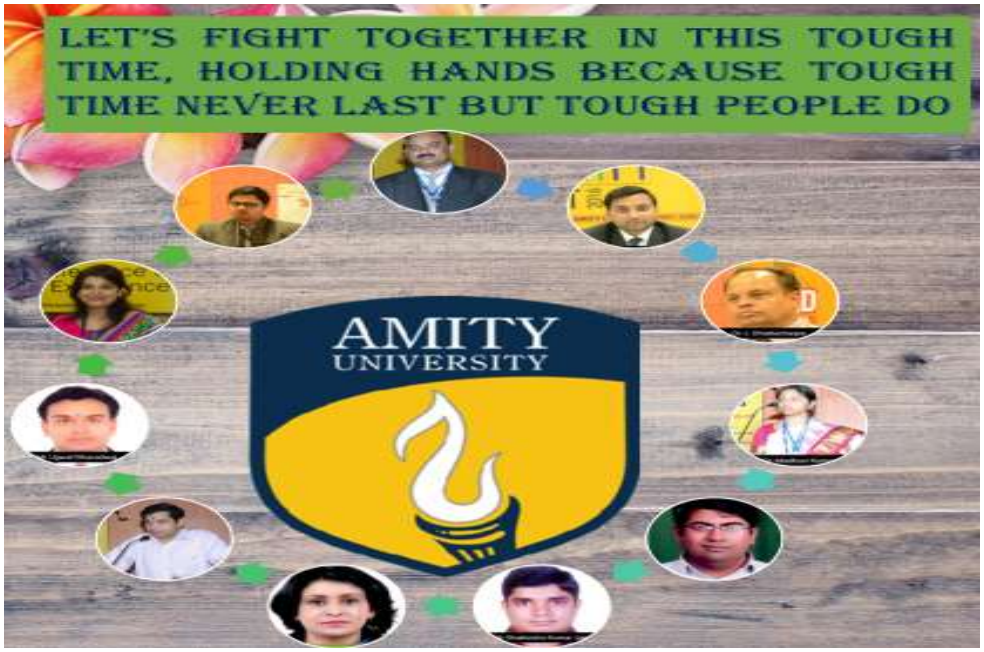
Now, when the life's been still,
With no hustle like before
Things are changing in bits
And the way of life more
Day passes by thinking about
When will things get good
Just praying the mighty
To save us all
The earth needs to be cared
For our own life's good.

Achievements / Milestones

Our student Paritosh Rawat (B.Tech. 2017-2021) participated in various debates, model united conferences across India and has served as a chairperson, executive board member. Debaroti Sammanit (Batch 2018-2022) participated in the talent hunt in presenting a poem that was arranged by the Civil Engineering Department and won the first position, also participated in the Garden of gratitude Contest held by the Department of Mechanical Engineering and secured the first position in poem recitation.

Faculty Corner

Faculty's Views (Life with COVID -19)



If you are the luckiest one percent of humanity fulfil the purpose of life. The purpose of life is not only to be happy: it is to be useful, honorable, compassionate and the well lived way. Tough time tests the true character of an individual and generous act proves the characteristics. Thus, serving community at time of need is humanity and all living being understand the language of empathy. Ultimately, serve to needy is service to God.

Faculty Development Programme

The FDP and workshop organized at Department of Civil Engineering.

Title of FDP/Workshop	Dates	Resource person/s
Glass As A Building Material	16.01.2020	Mr. Shakti SIngh (Technical Manager) Mr. Gopal Kumar (Manager)
Effective and advanced data management using the power of MS-EXCEL"	24.04.2020	Mr. Raman Bansal (Manager in Veracity Leading Edge LLP)
Role of White Cement and VAP's in Aesthetics and Durability of Building Structures"	29.04.2020	Mr. Anvesh Singh (DGM/Zonal Head)
Machine Learning and Its Applications in Civil Engineering"	15.05.2020 to 16.05.2020	Dr Raghu Ramakrishnan (Chief Architect & Technology Head) Head, Government Business Unit, Tata Consultancy Services

Consultancy*:* Prof.(Dr.) J bhattacharjee had a Consultancy job of "UNDP Project at Vijyawada, AP & Dehradun, Uttarakhand" for S.D Engineering , Delhi, for Rs. 50,000/- during Nov 19 to January 20.

Faculty Achievement

Dr. S. Varadharajan has the research interest in seismic engineering and using of industrial wastes in concrete. The faculty has recently published a SCI research paper titled "Determination of mechanical properties and environmental impact due to inclusion of fly ash and marble waste powder in concrete" in Structures journal Elsevier Publication, INSTITUTION OF STRUCTURAL ENGINEERS

Dr. Vishal Puri, accomplished his research work in the field of green construction using bamboo reinforcement and published a paper entitled "Flexural behavior of bamboo-reinforced wall panels with varying fly ash content" in Magazine of Concrete Research.

Alumni Speak

Ms. Pravesha Mishra, Sub-lieutenant, Naval Constructor, Indian Army

- My faculty were mostly the professionals from civil engineering field, and they helped me a lot to understand the ins and out of the trade.

During her B.Tech. Programme at Amity University, she always had the confidence and faith to achieve success. She is making the Amity family proud by serving in the most sought-after opportunity which is as the Naval Constructor in the Indian Navy. She always was disciplined with her work and blossomed into the success story everyone wishes to have.

Mr. K Vysakh, Central Water Commission

-Taking admission in Amity proved to be one of the best decisions of my life

.During his B.Tech. Programme at Amity University, he cultivated morality and studied hard. He managed to bring his success and his dreams to a reality under the guidance of faculty members. He is making Amity proud by serving at the pinnacle and by the help and he is now at the top of his success.

Mr. Drona Khurana, Currently Senior Research Assistant at National Institute of Hydrology, Formerly Junior Engineer in Northern Railways, Indian Railways Service

- "An optimistic thought for hard working person can make you successful beyond your dreams" that is inculcated in the blood of Amitians. I am proud being Amitian, one of my best decision.

During his B.Tech. Programme at Amity University, his sincerity, hard-work, and simplicity was always acknowledged. His honesty and disciplined attitude towards his work has enclaved him to own the prosperity and success making proud everyone.

Lieutenant. Vishal Kumar
Lieutenant, Indian Army

Being a part of Amity University was the start of a series of success-oriented decisions. Amity not only grooms you for your future, but it gives you memories to live with forever.

During his B.Tech. Programme at Amity University, he cultivated hard-work and efficiency along with being humane and friendly. He is making the college proud by making sure the morality and optimum development he received at Amity always defines him and his endeavors.

Ms. Anshul Sharma

My tenure in Amity University was excellent. It not only guides you with education but also with great personality development. The faculties of the Civil Engineering Department are very humble, supportive and keen to instruct you for good anytime which is really appreciable about them. From the best ways of learning to having a great time in the campus, you live it all. Moreover, when you feel demotivated, your teachers stand by you to boost you, I'm glad I have been a part of Amity Family. It really added much to my persona and helped me become a better human being.

Ms. Masha Kundal

My time at Amity University went in a flash. Learning from Amity not only helped me through the theoretical aspect but also exposed me to the practicality of it in the industry. Also, Amity not only emphasized on the teamwork-oriented assignments and projects, but even on speaking and presentation skills which are highly valued in the real world. I would really like to acknowledge the faculty and mentors who inspired me a lot and assisted me in order to pursue a master's degree in Construction Management from one of the top universities in Canada. My experience in amity was a phenomenal one and I will highly recommend the aspiring students to experience Amity and enrich their lives.

Star Achiever

Monali Chowdhary has got state level awards in modelling. She has been honored with magazine cover page. She has appreciated and outstanding performance during college. Her actions reflected the courage and unselfishness that we recognize of her.

Webinar

Mr. Rohit Tyagi, Product Manager, HILTI, an alumni presented a informative and industry oriented webinar on Innovation in Retrofitting of Structures.

Words from Rohit- One word for Amity is "Leaders Factory" which produces extremely sharp managers for corporate and successful Entrepreneurs to build a career of their choice. Amity is a mould where you slowly develop your professional as well as personal excellence

Mr. Samarth Bhandari, Lead, Underwriting & Analytics, We Work was a spokesman in a webinar on Co-working: Smart & Sustainable Business Concept.

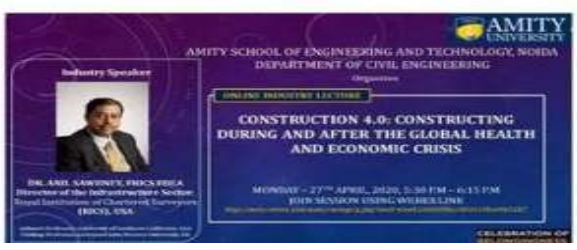
Words from Samarth- A teacher sparges the roots that affect eternity of success, and Amity nurtures with strong roots to grow in the respective field to the excellence.

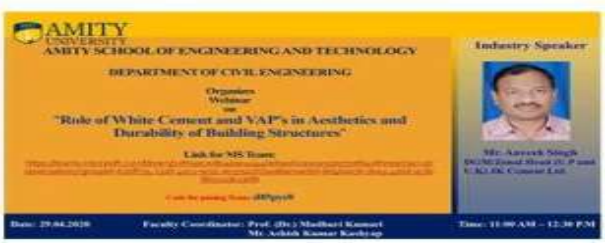
Global Exposure

Students visited London for Student Abroad Programme and 3C Programme

Higher Education

Industry Interface





Title	Name	Industry / Institute
"Approach and opportunity for startup business in construction field"	GAURAV RAGHUVANSHI	Young Founder & CEO of GRV BUILDCON LLP
Three Major Water Lifting Projects of India: Need, Benefits and New Approaches	Dr. Kedar Sharma, Associate Professor	Department of Civil Engineering in J K Lakshmipat University
Improve Your Productivity with Bentley's Bridge Solution".	Bentley team	Bentley Systems
Energy Conservation	Er.Shiv Om Prakash, Former Jt. Director General	Ministry of Defence (MES)
Low-cost, Low-impact housing in India	Mr.Vivek Garg (MD)	Virendra Constructions Ltd.
Sustainable and Energy Efficient Building Materials	Mr. Rajdeep Chowdhury, Head- Specification AAC Business	Biltech Building Elements Ltd
Innovation in Retrofitting of Structures	Mr. Rohit Tyagi, Product Manager,	HILTI
Future of work and workforce	Ms. Rashmi Mansharamani	CHRO, Wave Infratech
Application Of Geological Engineering To Investigate Hydro Power Projects"	Dr. Gopal Dhawan, Formerly CMD , MECL & Executive Director (Geo Tech)	NHPC. Founder & Chairman, DDAG Private Ltd
Understanding Science Governing the Strength of Construction Materials "	Prof. B. Bhattacharjee.	IIT Delhi
Digital Transformation in Construction Industry	Mr. Rishab Khatri, Lead Consultant,	Algorithms Software Pvt. Ltd., UK
Effective and advanced data management using the power of MS-EXCEL"	Mr. Raman Bansal (Manager in Veracity Leading Edge LLP)	Mr. Naman Rastogi (Assistant Manager (Finance and Accounts)Energo Engineering Projects Limited)
Construction 4.0: Constructing During and After the Global Health and Economic Crisis"	Dr. Anil Sawhney, FRICS FHEA	Director of the Infrastructure Sector, Royal Institution of Chartered Surveyors (RICS), USA
Co-working: Smart & Sustainable Business Concept	Mr. Samarth Bhandari,	Lead, Underwriting & Analytics, WeWork
Role of White Cement and VAP's in Aesthetics and Durability of Building Structures"	Mr. Anvesh Singh	DGM/Zonal Head (U.P and U.K) JK Cement Ltd

Upcoming Event

TRACE 2020-International Conference on Trends and Recent Advances in Civil Engineering (TRACE).

The aim of TRACE-2020 is to bring together the international leading academicians, researchers, and engineers, both theoreticians and experimentalists, and to present their original research work of very high quality in different areas of civil engineering. Both oral and poster presentations are included in the conference program.

Link:https://amity.edu/trace2020/

Department of Electronics & Communication Engineering

FROM HoD's DESK

It gives me immense pleasure in sharing the updates and happenings in the Department of Electronics & Communication Engineering. This newsletter brings out the highlights of the department for the quarter Apr-Jun 2020. It briefly showcases Department's strength in successfully organizing 7th International Conference on Signal Processing and Integrated Networks (SPIN 2020), which also included many activities like role of Women in Engineering, Industry Sessions on "Cloud and Edge Computing in the age of 5G and IoT" with Industry Experts and Industry CXO Forum on "Evolution of Workforce in the age of Robotics, AI and ML". **Looking into the future requirement the Department has also started a new programme in B. Tech (Robotics) from the Academic Session 2020-21 onwards.**

The department has organized technical competitions online even during Lockdown and COVID-19 time period like CODEITWITHDL during Amity Youth Forum, Science Toon during Amity Youth Forum –School Edition, various club committee activities to display students' talent and conduct enlightening online webinars, research seminars to share knowledge and train the students to be ready for Industry.

Our students' extraordinary achievements in different fields have found mention in the newsletter like **Ms. Ridhima Puri has become the First Woman in India to own a 5G Phone Awarded by ZTE India Pvt. Ltd.** Various activities that were conducted by different Technical Clubs of the Department have become a part of the compilation. Finally, the newsletter is complete with few words which some of the alumni wanted to share with everyone.

Also I am happy to share that the Department of ECE is now live on Social Media Facebook page https://www.facebook.com/eceamitynoida

I hope this newsletter is enjoyed and is treasured by one and all. I wish great luck to the students and thank my colleagues to bring laurels to the department.

Dr. J. K. Rai
Professor and Head,
Department of Electronics and Communication Engineering,
Amity School of Engineering and Technology

Take a look at ECE department:
https://www.amity.edu/aset/departments-ece.asp;
https://www.facebook.com/eceamitynoida

Happenings @ Department

SPIN 2020

In succession of the International Conferences SPIN-2014, SPIN-2015, SPIN-2016, SPIN 2017, SPIN 2018, SPIN 2019, 7th International Conference on Signal Processing and Integrated Networks, SPIN-2020 has been organized by Department of ECE, Amity School of Engineering & Technology, Amity University Uttar Pradesh on 27th – 28th Feb 2020. The Conference aims to bring together scientists, academicians and industrialists working on the innovative advancements and development in the domain of Signal Processing and Integrated Networks and its related areas. Over the past few years, SPIN has emerged as a well-recognized conference in the country and overseas because of its high quality peer-reviewed research articles, invited

talks from renowned academic and industry leaders, showcasing latest innovations and networking opportunities. 4 Honorary Professorships have been awarded during the conference. Research papers have been received from various institutions across the globe and also from premier institutions of India. This year SPIN 2020 showcases keynote talks on latest research trends and findings by eminent speakers from across the globe such as USA, UK, Sweden, Russia, China, Egypt, Germany, Oman, Ireland, Brazil, Ukraine, Japan, Portugal, Singapore, Vietnam and West Indies and many more.

Invited Speakers of SPIN2020 with HOD, HOIs and faculty members of ECE Department

1	Dr Álvaro Rocha	AISTI & University of Coimbra, Portugal
2	Dr Pavel Loskot	College of Engineering Swansea University UK
3	Dr Israel Koren	University of Massachusetts , USA
4	Dr Sushank Chaudhary	Fujian Institute of Research, China
5	Prof. Dr. Sven-Hendrik Voß Beuth	Hochschule für Technik Berlin University of Applied Sciences Berlin
6	Dr. Sunil Vadera	University of salford Manchester, UK +44 (0)7891 149 590
7	Le, Thuy	Professor & Department Chair, San Jose State University, USA
8	Professor Magnus Isaksson	Deputy Vice-chancellor Department Head University of Gävle Sweden
9	Dr Jacob Scharcanski	UFRGS , Brazil
10	Dr. Héctor J. De Los Santos	President & CTO,NanoMEMS Research, USA
11	Martin Schwark	Robert Koch-Institute Seestraße 10 13353 Berlin ,Germany
12	Dr. Yejun He	Shenzen University, China
13	Dr Sheel Aditya	Reired. Nanyang Technical University, Singapore
14	Dr Brian Barsky	University of California, Berkeley
15	Dr Boris Novikov	Department of Informatics HSE university, St. Petersburg, Russia
16	Dr Vipin Balyan	Cape Penisula university South Africa

DURING THESE TWO DAYS MANY OTHER EVENTS HAVE BEEN ORGANIZED

1. Session on "Plagiarism and Ethical Issues Related to Scientific Research Paper Writing and Student Conclave" to Promote IEEE Membership and Leadership Skills
2. Workshop on "Recent Advances on Communications, Sensors, Antennas and Applications" .
3. A session on "IEEE Women In Engineering (WIE)" to Promote Women Engineers and Scientists by 10 panelist from academics, industry, government and alumni.
4. A Networking session with Keynote speakers was conducted to explore the possibility in research and collaboration.
5. Panel Discussion on "Cloud & Edge Computing in the age of 5G & IoT" with Industry Experts and Industry CXO Forum on Evolution of Workforce in the age of Robotics, AI and ML was conducted with more than 20 Industry Experts.

IEEE Women In Engineering (WIE) panel discussion during SPIN Webinars during national lockdown

- Department of ECE had organised technical events during Amity Youth Forum Online 2020

Amity Youth Forum 2020 Online School Edition

- Name of Competition –SCIENCE TOON Date- 19th June 2020
- Name of Competition – CODEITWITHDL, Date- 9th May 2020

- In Department of ECE and E&T,Amity Human Value Quarter(AHVQ) organised three(3) events during the national lockdown period.
  - Panel Discussion on Technological Updates on COVID-19
  - Garden Of Gratitude (An inspirational concert)
  - Extempore Speech on Reflection of Human Values in Covid-19 lockdown period

Faculty Corner

COVID-19 Let us face it and defeat it!

The recent outbreak of the CORONA virus that sparked in Wuhan, China and is spreading like a wildfire all over the world is now at the verge of exploding into a mankind's never known global disastrous calamity. It is now up to us to face it.

The least we could do...

The governments of the powerful and technologically sophisticated advanced countries are facing a serious issue of controlling the spread of the deadly CORONA virus that was invoked in December 2019 in Wuhan, China. The number of people who are infected and the number of people who are still losing their lives is devastating and yes, it is increasing day by day. It is not only a threat to the economy of the entire world, but it is a threat to mankind. It appears as if we are at the brink of mere extinction and total failure of the pragmatic and giant scientific inventions made till now. We are now back to the ground level where our survival and further spread of the CORONA wildfire can be alleviated with our simple initiatives. It cannot be put to a stop at once but gradually we can surely defeat it!

The least we could do is:

- Quarantine/Stay Home
- Keep yourself and the surroundings clean
- Be positive and let positivity prevail

Ms. Garima Mahendru, Faculty ECE

Achievements

- Dr. Malay Ranjan Tripathy is serving as International Advisory Committee member in 2020 IEEE Indian Conference on Antennas and Propagation InCAP 2020, Kolkata, India.

  http://kolkata.incapindia.in/advisory-committee.html

- Dr. Malay Ranjan Tripathy is serving as one of the track chairs of communication and signal processing section of IEEE INDICON 2020, NSUT, Delhi, India.

  https://www.indicon2020.in/committee/track_chair.html

- Dr.Sanmukh Kaur received Journal Citation Report (JCR) certification from Web of Science Group for successfully completing JCR-South Asia Training and Certification program 2020

Research Lab

Dr. Rinki Gupta with students in Funded Project Research Lab

Student Corner

- **Ms. Pranjul Kumar** worked as a Student Coordinator for the following events
- on Day of Belongingness organized from 17 April 2020- 3 May 2020

  - Debate Competition: The Good, Bad and Ugly of COVID 19 on Engineering and IT"
  - "Singing Event for Staff and Faculty" □ "Quiz-Logical/Technical".
  - "Slogan Slingers "
  - "Ami-Extempore"

- She had successfully completed 29 total hours of The Online Data Science Course 2020 on May 11 2020 from Udemy and also participated in WIEHACK 2.0-36 hour All-Women Online Development Hackathon organized by BVPIEEE on 8-9 **April, 2020.**

Ms.Ridhima Puri, B.Tech. ECE (2016-20) the first woman in the country to have own ZTE's 1st 5G mobile released in INDIA

Ms. Dheerika Pandey, B. Tech. ECE, Batch 2017-21, was covered by newspapers like Rajasthan Patrika, The pioneer and The Asian Age , for the success of her book "THE FLIGHT TO HAPPINESS"

C.Jithendra Sagar, B.Tech. ECE (2016-20),won the first prize in the event SYNCREATE, organized by TERI

Online Club Events

There are four technical clubs in the department of ECE to motivate students and to provide a platform for research and innovation. Each club represents a highly enthusiastic, motivated students to spread their knowledge through various innovative activities. These clubs organised many online technical events listed below during national lockdown for COVID-19.

Signal and Image Processing Club

1. Quiz
2. An idea :How SIP technology help in fighting against COVID-19
3. Poster Competition on Unlocking the third eye with AI Debate Competition on The Good, Bad and Ugly of COVID-19 on Engineering and IT Sector.

VLSI & Digital System Design Club

1. Tech-Quant
2. Group Discussion on COVID-19: A Mystery

Communication System Design Club

1. Quiz on COS
2. Debate on fight against COVID19: World Pandemic

Embedded System Design Club & Robotics

1.Introduction to circuit for embedded system design (work from home advtg.) and quiz.

2.Workshop to highlight work from home ability through online simulators for Arduino

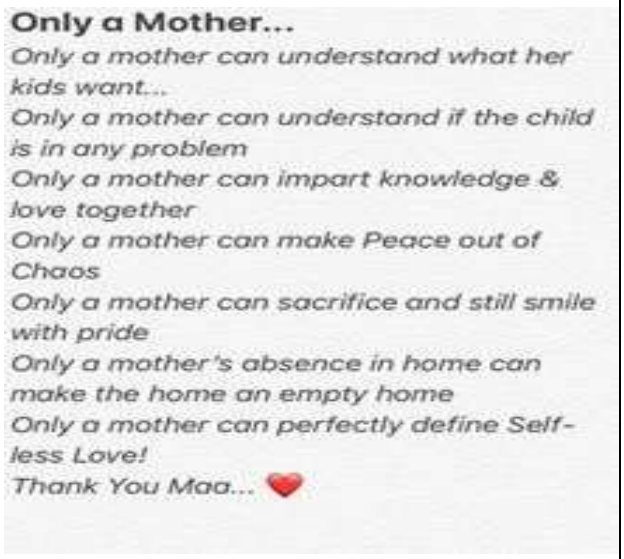
On lighter note

Ms. Dheerika Pandey
B.Tech.(ECE)

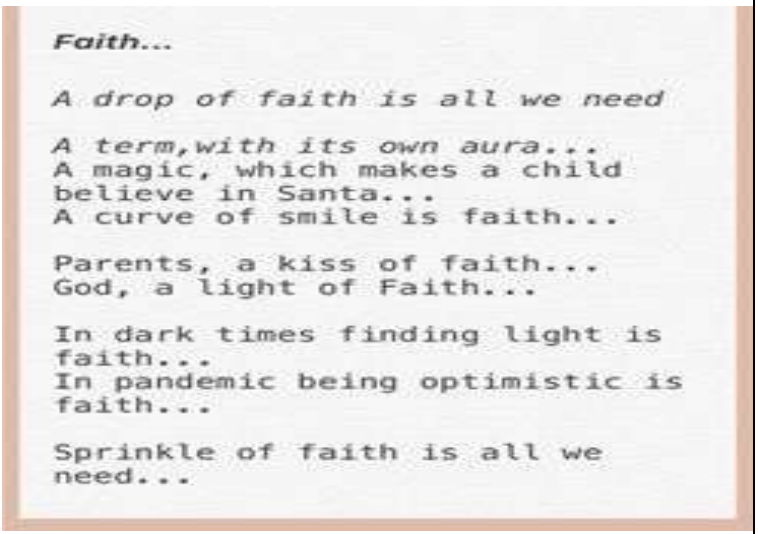
Age is just a Number!

Age is a number which will keep on increasing. It's better if we don't let that number stop us and pause our lives. A lot of people let go of their dreams as they grow up. A person at forty thinks that he cannot start a business or quit a job. But what if he tries and succeeds?

Boman Irani, who is a versatile actor, started his acting career at the age of forty-four. We also have great examples such as Amitabh Bachan and Rajni Kanth who are playing lead roles and giving a tough competition to the younger actors. Despite of their age, Ratan Tata and Sudha Murty didn't give up on their dreams to serve people. Of course with age, health problems come up and you are not able to give your best. But if you work out and stick to a healthy diet, you might overcome some of the health issues. For example, Anil Kapoor maintains his fitness at the age of sixty three. There will always be something that you are good at. You just need courage within you to chase that. You should not let your age stop you from living your life and let over thinking take over. Instead, you should always try to overcome the barrier of your age. Yes, you may fail. But there is always a chance that you'll succeed. The probability of your success can never be determined by your age.



Pranjul
B.Tech (ECE-VII sem)



Pranjul
B.Tech (ECE-VII sem)

GLOBAL EXPOSURE

- In 2019-20 session thirty(30) students of B.Tech.(ECE) went for SAP (Study Abroad Programme) with Mr.Sumit Kumar(Faculty of ECE) to University of Northampton, London**.**

Department of ECE had organised webinars from USA and UK

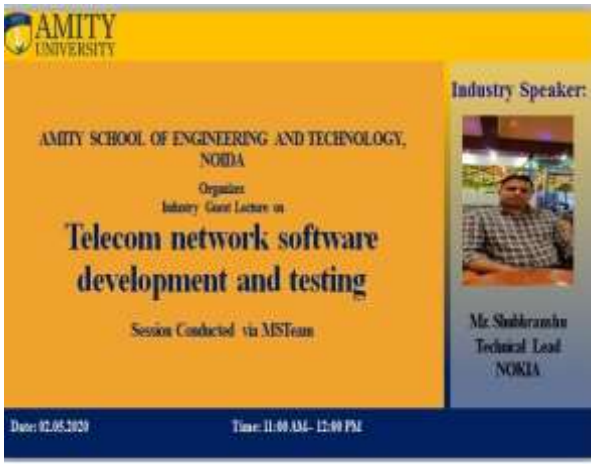
	Dr. Ahmed Abdelgawad, Associate Professor, College of Science and Engineering, Central Michigan University, Mount Pleasant MI, 48859, USA	Topic: Internet of Things (IoT): Opportunities and Challenges Date: 1st May 2020	Event Coordinator: Dr. Ashwani Kumar Dubey
	Dr Sunil Vadera , Professor, School of Computing, Science and Engineering, University of Salford, UK	Topic: Cost Sensitive Decision Tree Learning Date:14thMay,2020	Event Coordinator: Dr. Ashwani Kumar Dubey

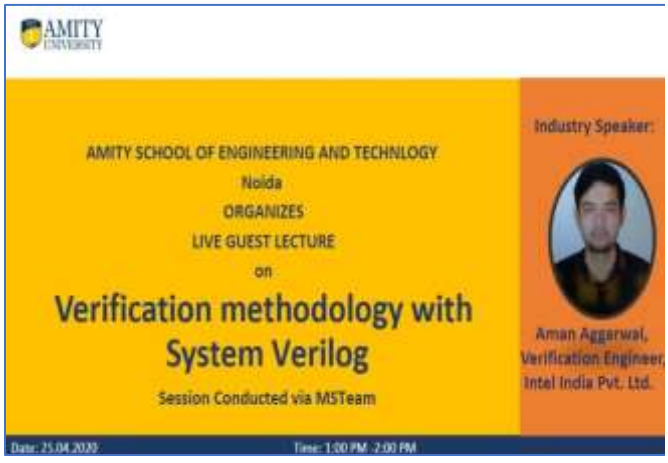
Industry Interface

During this national lockdown period the Department of ECE had successfully organised many webinars with various reputed industry persons. Glimpses of some industry webinars are listed below.

Speaker: Dr. Ravindra Singh, Director - Parliamentary Affairs,Scientist-G,DRDO.

Speaker: Mr.Praveen Arora, AGM- NEC Technologies India, Noida





Speaker: Mr. Shubhranshu, Technical Lead, R & D, Nokia.

Speaker: Mr. Aman Aggarwal, Verification Engineer, Intel India Pvt.Ltd.

Mr. Prateek Mewada

Mr. Manjunatha Reddy

Industry Guest Lecture Topic: Microwave and RF Circuits Design – An Overview
Speaker: Manjunatha Reddy and Pratik Mewada
Cadence Design Systems, Inc - San Jose, CA- USA and ICON, Bangalore, India

Induction of New Programme

Amity School of Engineering and Technology , Department of ECE has introduced **'B.Tech Robotics'** as new programme to provide education in the futuristic and emerging frontier areas of Robotics as per latest technologies of Industry 4.0 through knowledge, learning, research and innovation. To develop the overall personality of students by making them not only excellent Engineering professionals and technocrats but also good individuals with regards for human values, pride in their heritage and culture, a sense of right and wrong and yearning for perfection and imbibe attributes of courage of conviction and action.

Programme Description: This is undergraduate Programme with specialization in Robotics Engineering. The Programme is intended to provide students with an in-depth knowledge and understanding in diverse areas of Robotics Engineering. It is unique balance of rigorous fundamentals and engaging real-world applications in B.Tech (Robotics Engineering) Programme which develops the students to be analytical thinkers who will successfully integrate and synthesize the theory and engineering knowledge.

Alumni Speak

Jai Sehgal, B.Tech - ECE (2016-2020) 	It was prestigious 4-year long journey at Amity University, Noida. I was awarded scholarship throughout the program. During my summer internship I was selected by **Mentor Graphics a Siemens business** for their well know higher education program. Recently I am placed with **ZTE telecom India LTD** . Finally, I would like to say this programs gave me lot of things either it is soft skills, technology insight or research mindset.
Agneev Das, B Tech ECE (2016-2020) 	"Amity provided me a platform in which one is ought to vanquish their goals and fulfil whatever they desire to do with their life. My experience in Amity has been illustrious and I can sum up by saying I am a proud Amitian."
Rishi Deb, B.Tech. - ECE (2016-2020) 	Amity is a place where individuals come in different skill sets, aspirations, and attitudes. This institution gave me a chance to sit for one of the most esteemed organizations, Google. Their continued support and direction helped get placed in **Google**. I thank this institution providing me with substantial international exposure.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

From HoD's Desk

Greetings to all!

We are all going through a tough time these days and my heart fills with pride and satisfaction when I see my faculty members working hard for the students ensuring there is no academic loss of the students in this pandemic situation. The entire process of remote learning is resonating from the safety of the students and teachers in online classrooms. As teachers and administrators, are trying to handhold the students through the academic year and also take care of their physical and emotional needs through organising mentor -mentee sessions. I must thank all the students for their worthy participation in Amity Youth fest and Day of Belongingness. I look forward to Covid- free days soon, bringing us back to university, safe and healthy, for another fulfilling academic session! Prayers for the world to heal fast ... God bless us all!

Dr. H.P. Singh
Head of Department,
Department of Electrical and Electronics Engineering.
Amity School of Engineering & Technology, Noida.
Take a look at EEE department:
https://www.facebook.com/AmityElectricalDepartment/

Happenings @ Department

Faculty Development Programme

The Department of Electrical and Electronics Engineering organised a three-day faculty development programme from 20 May2020 to 22 May2020 on **E - Learning and Recent Trends in Electrical Engineering**. In this programme, people from Industry & Academia experts delivered their talks on MS Teams. Prof. (Dr. Sharad Sharma from Bowie State University, USA delivered a talk on " VRI and ARI Modules for Teaching and Design of Engineering Remote Labs etc. Also, there were sessions related to e-Learning. There were around 50 participants in the event.

Staff Development Programme

The Department of Electrical and Electronics Engineering organised a one -day staff development programme on 17April 2020. The entire event consists of two sessions. The first session was on "Understanding System Simulation using MATLAB and SIMULINK" which was delivered by Dr. P.M Tiwari and second session was delivered by Prof. (Dr.) S. K. Sinha on "Electrical Hazards Grounding and other Safety Measures".

Research Seminar: Control System Group

The Control System Group of Electrical and Electronics Engineering department organized a research seminar on 9th April2020. The talk was delivered by **Ms. Ruchira, Assistant Professor, EEE Department**, ASET. The title of the talk was "Solar Energy in Micro Grid Applications".

As we all know, the use of electrical energy is rapidly increasing due to the growing nature of world's population. The generation of energy becomes an important issue for the world. The use of renewable energy sources is a big trend to address the energy generation. Renewable energy is the energy which comes from resources that are naturally not depleted by use. Most common renewable energy sources are water, wind, solar and biofuel or biomass.

Renewable energy sources are of interest because of their ability to sustain. This results in an alternative to the decrease of conventional energy sources such as coal, petrol and nuclear energy. Renewable energy sources are clean sources of energy that have a much lower environmental impact as compared to the conventional energy sources. Renewable energy adds a remarkable scope in power system. Renewable energy sources act as the prime mover of a micro grid. The Micro grid is a small network of power system with distributed generation (DG) units connected in parallel. The scope of the seminar is to discuss the integration challenges of renewable energy sources and the control of micro grid.

Faculty Achievements

- Dr. P.M.Tiwari got the certificate of appreciation by the editor of the Journal of Aerospace Engineering as an Outstanding Reviewer for 2019.
- Dr. Divya Asija, attended the one week FDP on "Recent strategies on micro grid and smart grid technologies" from 15-19 June 2020 organised by GMR Institute of Technology.
- Ms. Ruchira attended One Week Online FDP on 'AI, Machine Learning, IoT & Big Data Applications in Power Electronics and it's Allied Areas' from 1-6 June2020 organised by GRIET , Hyderabad.
- Mr. Saket Kumar, EEE Department has got his two patents funded by Technology Enabling Centre (TEC). TEC is scheme of DST.

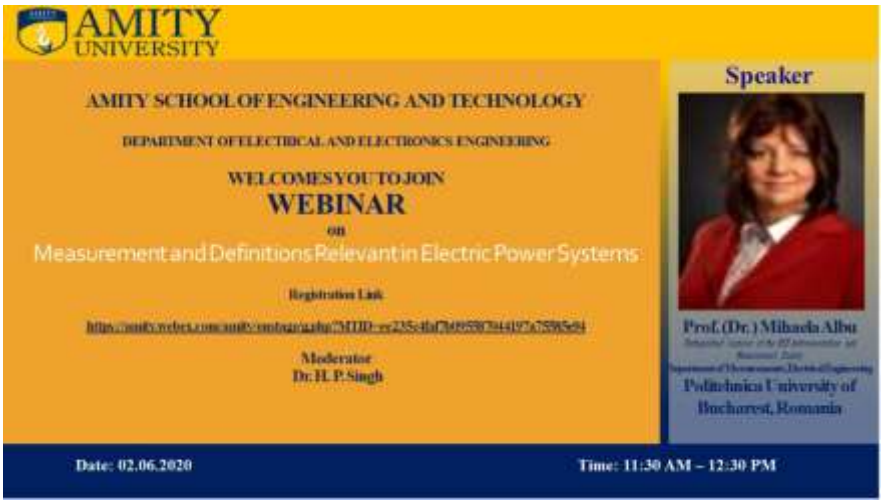
S.No.	Title of the Technology	Name of the Inventer	Fund Approved
1	Potable safety Device for Sewer Worker	Mr. Saket Kumar	14,910/-
2	Driver Identification System	Mr. Saket Kumar	33,000/-

Webinars @ EEE

For engaging the students with a lot of activities amidst lockdown, the Department of Electrical and Electronics Engineering initiated numerous webinars. The united efforts put behind these online interactive sessions actively aimed towards overall skill and knowledge enhancement of the students as well as the faculty. Some of the webinars deliverd by International Speakers are below.

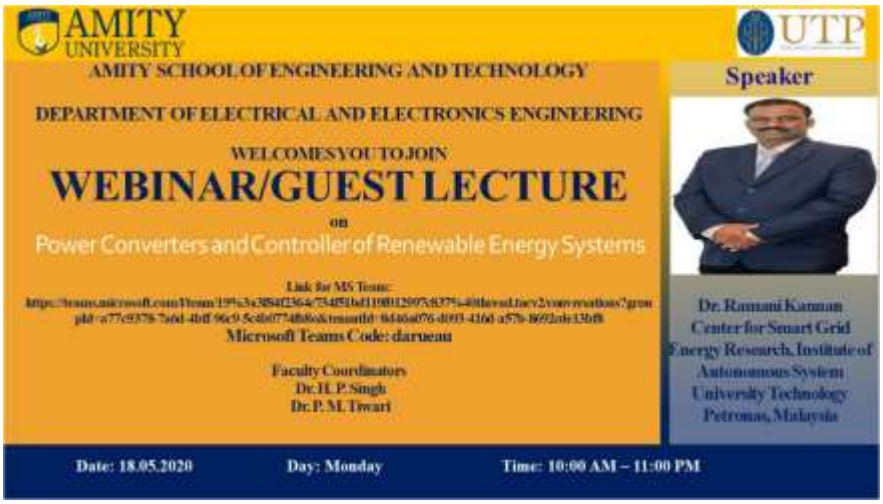
International Webinars

Measurement and Definitions Relevant in Electric Power Systems



A webinar was organised by the Department of Electrical and Electronics Engineering on "Measurement and Definitions Relevant in Electric Power System" on 2nd June 2020, through MS Teams. The session was delivered by Prof. (Dr.) Mihaela Albu from Poytehnica University of Bucharest , Romania. The session continued for more than one hour duration where she discussed the important concepts related to Electrical Engineering.

Power Controllers and Controller of Renewable Energy Systems



A webinar was organised by the Department of Electrical and Electronics Engineering on "Power Controllers and Controller of Renewable Energy Systems" on 18th May2020, through MS Teams. Dr. Ramani Kannan who is working with Center for Smart Grid Energy Research, Institute of Autonomous System University Technology Petronas Malaysia. the session was all about Power Converters and Power Controllers which form an important component of the Renewable Energy System where the world is moving forward to.

Thermal Analysis and Calorimetry- Theory and Application in Material Science

A webinar was organised by the Department of Electrical and Electronics Engineering on "Thermal Analysis and Calorimetery – Theory and Application in Material Science" on 8th June2020, through MS Teams. Dr. ZENG Hongyu , Head of Technical Center, SETARAM Instrumentation - China, Asia – Pacific Shanghai, CHINA enlightened the students and faculty with his worthy talk.

Campus to Corporate

A webinar was organised by the Department of Electrical and Electronics Engineering especially for the students on "Campus To Corporate" on 19th June2020 through MS teams. The session was delivered by Ms. Jyotsna Umesh, Sr. Manager Accenture Federal Services. In her talk , she addressed the students about how to bridge the gap between campus to corporate. She discussed about the expectations of an interviewer and the stanadard questions generally asked in the interviews. The session went in an interactive mode. The students gained about the preparation of placements which is an imporatnt milestone for the students.

Student Club Activities

TECH TRIVIA

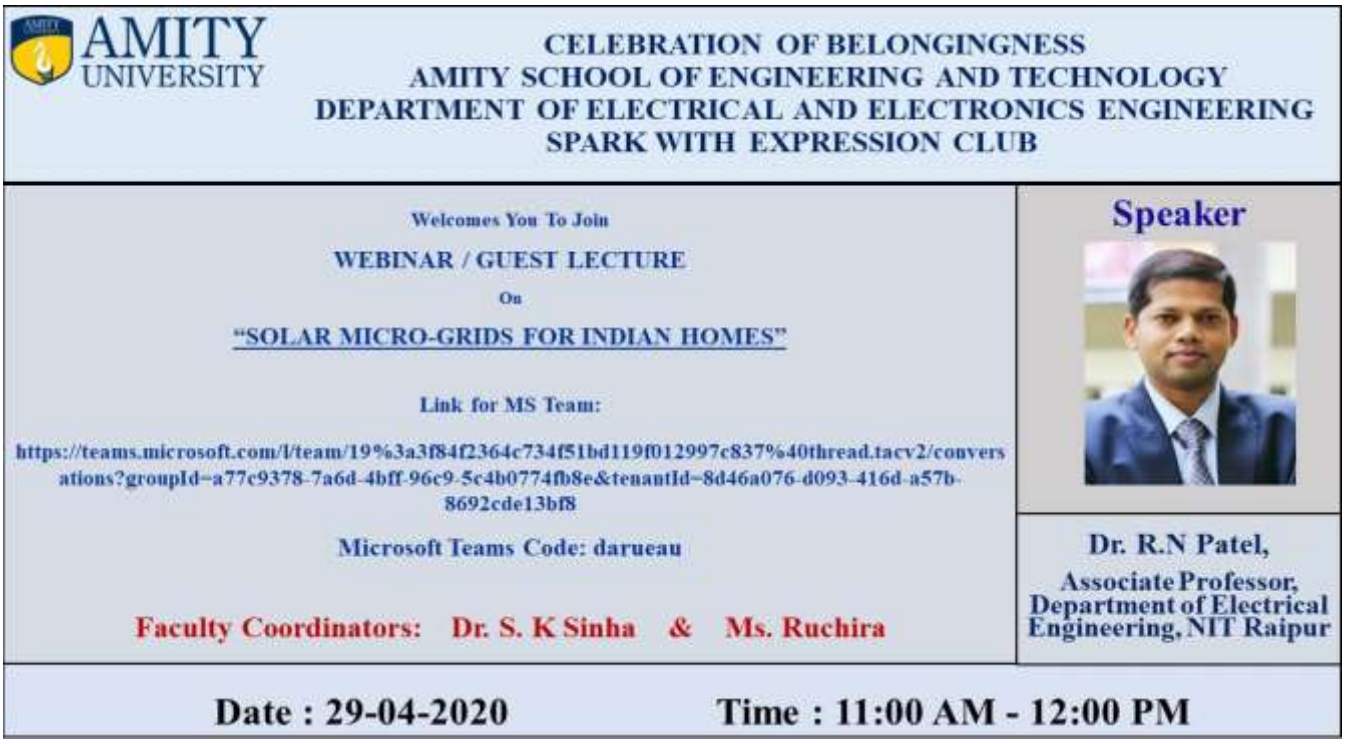
The Measure Club organised an event called Tech Trivia on 22April 2020. The event consisted of 3 rounds. The event commenced with the first technical round, where all the participants were asked questions related to Electrical and Electronics Engineering.This was an elimination of four participants from the total eight participants after this round.

The second round was the Mind Booster round, where participants were asked questions related to general awareness and riddles. This was also an elimination round where the top three participants were selected. The last round was also a technical round, where the level of difficulty of questions was raised. The three participants had to explain the logic of the circuits displayed on the screen. The winner was announced after completion of this round.

CONNECT THE DOTS

The Measure Club organised an event called Connect the Dots on 27th April 2020. It was a quiz competition with questions on mental ability and basics of electrical engineering. There were around 25 participants in this event.

GUEST LECTURE



The Spark with expression Club organised a guest lecture on Solar Micro-Grids for Indian Homes . The talk was delivered by the Prof. (Dr.) R.N Patel, Associate Professor , Electrical Engineering department, NIT Raipur. DC micro grid with centralised solar generation and decentralised storage is the simplest, reliable , cost effective, scalable and highly effcient solution to provide access to electricity. In his talk he discussed about the use of renewable energy. he emphasized on the possible areas of research in the field of Micro grid.

PANEL DISCUSSION WITH ALUMNI

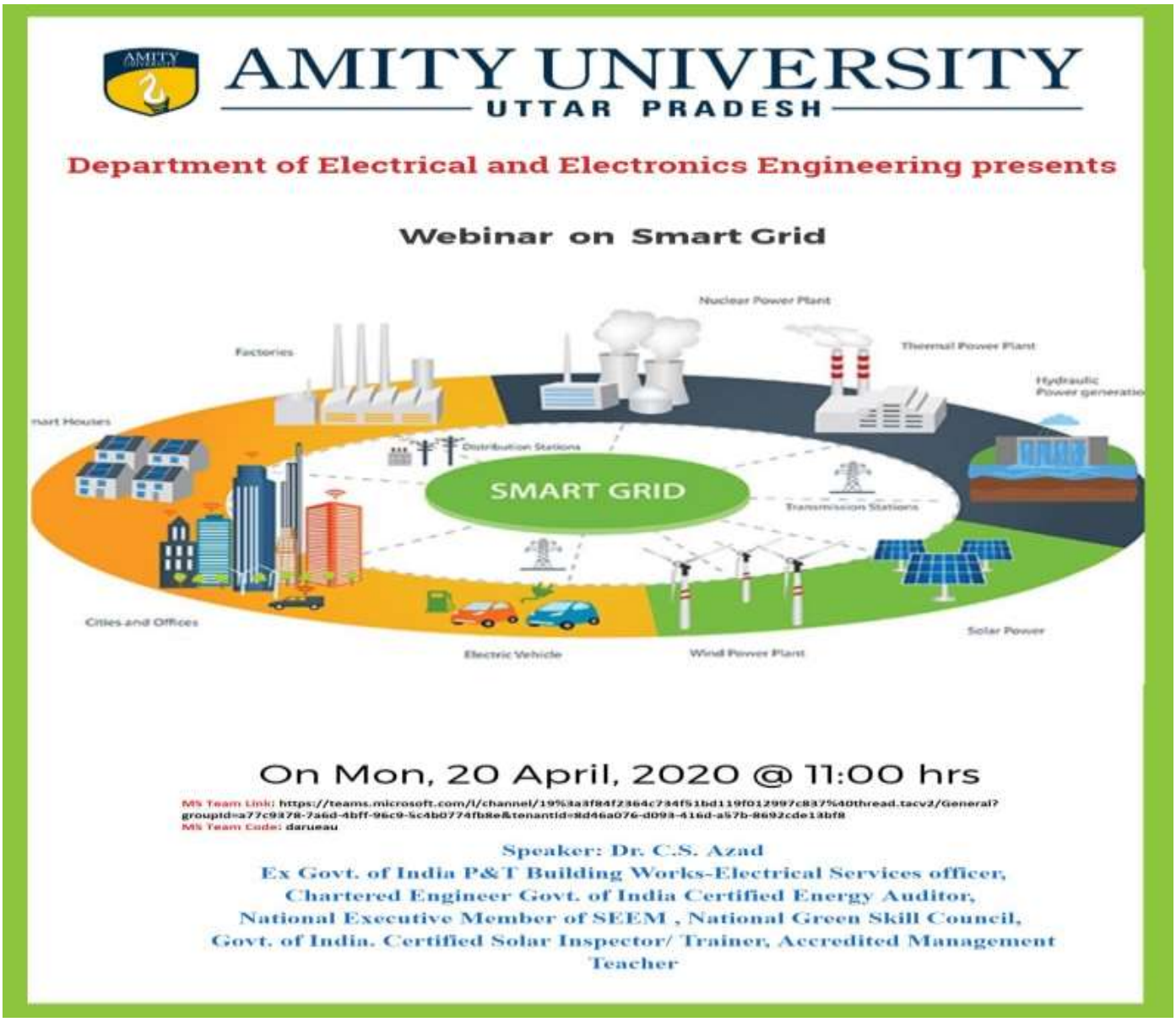
The **Spark with Expression Club** organised a panel discussion with alumni Nipun Chopra, Research Analyst, Deepjyoti Adhikari - Engineer. Jasdeep Singh Sohi- Lead Engineer- RDE and TP Emission, Shivani Negi- Team Lead ,Himadri Sharma- DevOps Manager. It was held on 28th April 2020 and there were around 70 particpants.

Day of Belongingness

AMI-EXTEMPORE The Department of Electrical and Electronics Engineering together with ECE Department, Amity University Noida Branch organized an event called AMI EXTEMPORE on 27thApril, 2020. It was held online through mS Teams. 10 students registered from different branches of engineering to participate in this event. The participants were given on the spot topic on which they had to share their views and opinion. Each participant was given 3 minutes for preparation and 2 minutes to speak and present their impromptu speech to the judges and audiences. The theme of the event was "COVID-19, Technology and Humanity".

Strokes- The Fine Arts society of ASET organised an online Doodle Competition based on the theme "Fight Against Covid -19" to celebrate the Day of Belongingness.

There were total 32 entries received from students within the university and outside too. After the submissions of the artworks via a google form an online event was organised on MS Teams Platform started at 2:25pm, which was attended by the judges, participants, and faculty coordinators. All the submissions were displayed without the disclosure of identity to keep the competition fair. Our honorable judges viewed all the artworks which were evaluated by them on certain parameters. After careful examination we received the top three performers, their efforts were acknowledged, and our faculty motivated us to keep calm and strong at these testing times. The participants and winners will be provided with an e-certificate as guided by the coordinators.



Industry Talk The **Spark with Expression Club** organised a Industry Expert Guest lecture on Smart Grid. The talk was delivered by Dr.C.S.Azad, Ex. Govt. of India P&T Building works-Electrical services officer, Chartered Engineer, Govt. of India. **Smart Grid** is an Electrical **Grid** with Automation, Communication and IT systems that can monitor power flows from points of generation to points of consumption (even down to appliances level) and control the power flow or curtail the load to match generation in real time or near real time.

Amity Youth Fest

Techwizard

May 8, 2020 | Noida, India

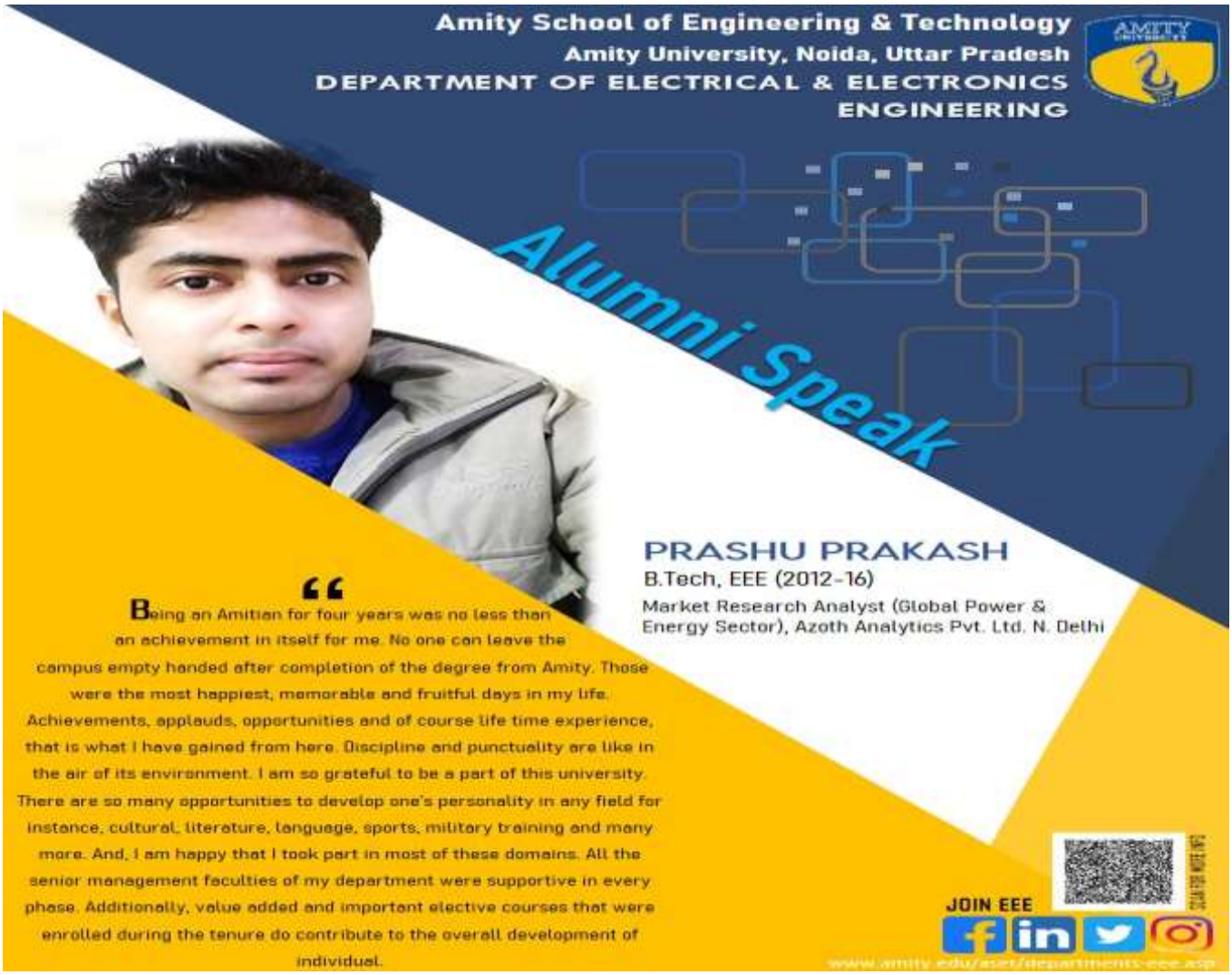
The Department of Electrical and Electronics Engineering, Amity University Noida Branch organized an event called **Techwizard** on 8th May 2020. The event was held online on MS Teams and was attended by a teenage crowd. Participants consisted of students from both Amity University and outside Amity University. The event was well organised and was a huge success. The event consisted of three rounds. In the first round, each participant was given a set of visuals of the equipment related and they have to tell the correct name and application field. The winners were declared after the third round of the event.

Alumni Speak

The Department of Electrical and Electronics Engineering organised Alumni meets to help the students understand the current industry from the words of their own seniors.

Alumni Talk on “The Fourth Industrial Revolution: Towards Smart and Digital Future”

Mr. Huned Materwala, works as a Research Assistant with the Distributed Computing and Distributed Systems Research Laboratory, College of Information Technology, UAE University, UAE. He is currently working on his PhD research. His doctoral research investigates the issue of energy consumption and performance in big data analytics for edge-cloud-based smart cities. His research interests are Control Systems applications in Computer Science, Energy-Efficiency and Management, Quality of Services, Health Informatics, and Blockchain. He has co-authored many research publications in top journals and conferences in the domain. He received his bachelor’s degree in Instrumentation and Control Engineering from Gujarat Technological University, India, in 2013, and the master’s degree in technology in control systems from the Department of Electrical and Electronics Engineering, Amity University, Uttar Pradesh, India, in 2016.



DEPARTMENT OF INFORMATION TECHNOLOGY

From HoD's Desk

I am indeed happy and pleased to share the activities of Department of Information Technology through this e-News Letter. Our curriculum is aligned with requirements of Industry 4.0, with integrated employability and skill courses. Along with academics, we stay focused about the various germane activities for grooming students towards their holistic development. Networking and Collaborative learning with industry propel to understand the industry needs and it would prepare our students to be industry ready. Additionally, the department organizes Technical Symposium, Guest lectures, Seminars, Workshops and several other student development Programmes. Our technical clubs are continuously active while the events conducted brings youth brains to show-case their skills. Also, students regularly organize departmental level technical and non-technical activities and in addition, conduct events in Amity Youth Forum

Our placement records have always been very impressive, with most of the students being placed year after year in highly reputed core companies. I wish all the outgoing students a great success and best of luck in their years ahead. I take this opportunity to appreciate every student who shared the joy of participation in co-curricular and extracurricular activities along with their commitment to curriculum.

We aim and groom our students to make outstanding IT professionals and I strongly believe we will continue to excel in all other spheres. IT department keeps upgrading its Knowledge Quotient to progress, leaps and bounds towards achieving its excellence for Students development.

Dr. A. Sai Sabitha
Head, Department of Information Technology

Take a look at IT department:

https://twitter.com/ITdepartASET?s=08;

https://www.linkedin.com/company/department-of-it-amity-university-noida

https://www.facebook.com/101557014915201/posts/101562124914690/?sfnsn=wiwspmo&extid=LekZs3gtFbzyLdOr

https://www.instagram.com/p/CAmWiebDfOJ/?igshid=6zbld8bropbx

Happenings @ Department

Technical Symposium 2020

The Department of Information Technology and ASET organised 2nd Technical Symposium on 13th and 14th February, 2020. The theme of the event was **"Advances in Artificial Intelligence and Machine Learning"**. The Guest of Honour was Shri Parimal Kumar, Scientist 'G' and Scientist Advisor to Chief of Integrated Defence Staff, DRDO. The event consisted of Hands on workshop on AI & ML. The guests addressed the students on all the ongoing hot topics of AI & ML like AI revolution, AI-ML Trends, Breakthroughs in the field of AI-ML and more. The event was successful, and the students got an opportunity to enhance their knowledge on AI & ML by directly interacting with guests from the industry.

Student Club Activities

1. Placement insider

The Department of Information Technology, ASET and the Elite Networking Club organized an event named Placement Insider on 22nd April, 2020. It was held online on MS teams. This event was comprised of interactive sessions through which students interacted with their Alumni and year placed students and learned about what to do and what not to do during the placements. This interactive session provided aspirations and inspiration for building possible road maps for student's careers and professional goals. 25 students participated in the event.

2. Ideas Against Covid-19

The Department of Information Technology, Webkraft Club organized an event named Ideas Against Covid-19 on 23rd April 2020. This event was conducted online by using Google Forms. The quiz was open for a time of six days and was open to all the students and faculty members irrespective of their fields. 28 people participated in the event.

3. Quizophile

The Department of Information Technology Technogen Club organized a technical quiz based on the latest trends in the field of IT and CSE. Students attended the event and participated with great enthusiasm. At the end of the event winners were announced. A total of 9 students participated in which 2 were awarded the appreciation certificates. Kartik of 6IT-1 secured the first position while Aksh of 6IT-1 came second.

"Winning is something but participation is everything"

4. Java Fuzzy Quiz

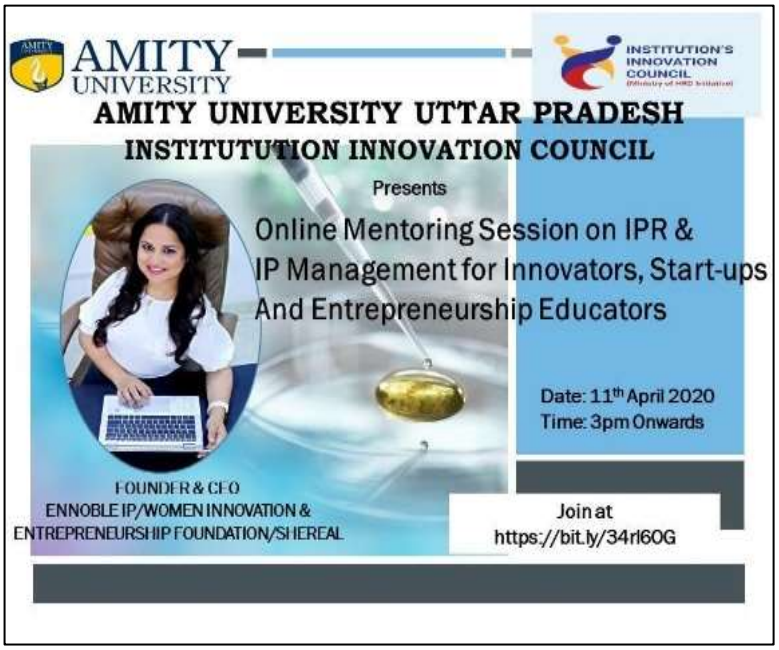
The Department of Information Technology, ASET and the E-Connect Club organised an event named Java Fuzzy Quiz on 27th April 2020. It was held online on MS teams. The event went on for an hour. In the event Java skills of students were tested. Around 21 students participated in the same. The event helped students gain knowledge and know the importance of Java in the Industry.

Student Webinars

For engaging the students with a lot of activities amidst lockdown, the Department of Information Technology initiated numerous webinars. The united efforts put behind these online interactive sessions actively aimed towards overall skill and personal development of the students.

1. Current and Future trends in Information Technology

A webinar was organised by the Department of Information Technology on **"Current and Future trends in Information Technology"** on April 28, 2020, through MS Teams. Over 200 participants were addressed through this 45min event by **Ms Guneet Singh** Global Corporate Affairs at Tata Sons Private Ltd. This event helped the participants got to know about the departmental programs and activities also got to know about the current and future IT technologies.



2. IPR & IP Management for Innovators, Start-ups and Entrepreneurship Educators

A webinar was hosted by The department of information technology on "IPR & IP Management for Innovators, Start-ups and Entrepreneurship Educators" on 11th April 2020 through MS Teams. More than 90 participants were addressed through this 1.5 hr event by the Founder & CEO Ennoble IP/women innovation & Entrepreneurship foundation /SheReal, Dr. Shweta Singh. This session helped to understand the various forms and scope of IPRs and its implications

3. Product Development, Technological Entrepreneurship & Technology Readiness Level

A webinar was hosted by The department of information technology on "Product Development, Technological Entrepreneurship & Technology Readiness Level" on 14th April 2020 through MS Teams. More than 80 participants were addressed through this 1hr 45min event by Strategic R&D Head, Indian Senior Research Associate: University of Johannesburg, Johannesburg, South Africa, Ennoble IP Consultancy Pvt Ltd, Dr. Shivendu Ranjan.

"The internet could be a very positive step towards education, organization, and participation in a meaningful society."

– Noam Chomsk

Day of Belongingness

1. Women Rock IT

The Department of Information Technology, ASET and the CISCO Networking Academy organised an event named Women Rock IT on 23rdApril, 2020. It was held online on YouTube. The event consisted of Dr. Catriona Wallace, Founder & Executive Director, Flamingo AI and Nivedha R.M., Founder of Trashcon sharing their experiences as women in IT with the students. In the event the students interacted with two women who are changing the world using trash bots and AI. Around 79 students participated in the same. The event helped students to connect with female role models and recognize the potential of AI in technology.

2. Love Amity Quiz

The Department of Information Technology, ASET and the E-Connect Club organised an event named Love Amity Quiz on 23rd April, 2020. It was held online on MS teams. The event went on for an hour. In the event, a quiz was organised that had questions revolving around Amity University and the leadership of Amity University. The quiz was conducted to celebrate the 'Day of belongingness' and bring a sense of unity among every Amitian.

Amity Youth Fest

Code Hunt 4.0

The Department of Information Technology and Computer Society of India (CSI), Amity Noida Branch organized an event called **Code Hunt 4.0** on 8th May 2020. The event was held online on MS Teams and was attended by a competent crowd. The goal of the event was to familiarise students with ciphers while simultaneously coming up with a healthy competition. Participants consisted of students from both Amity University and outside Amity University. The event was well organised and was a huge success. The event consisted of three rounds.

Online Coding Competition

The Department of IT, ASET and AIIT organised an online coding competion on 8th May 2020 and 9th May 2020. The competition consisted of three rounds. Around 30 students participated in the competition. The event was conducted through MS Teams. Students from all across Amity as well as from other universities participated . The event went very well and it had a healthy competitive environment. This event helped the students recognise and test their coding skills.

"Participation,I think, or one of the best methods of educating."
– Tom Glaz

Faculty Corner

- Dr. Purshottam Sharma, Assistant Professor, Department of Information Technology, CCNA, CCNA(R&S) Global, Cisco Instructor Trainer, was awarded the title of "Advanced Level Instructor" by the **Cisco Networking Academy**. This award recognizes his achievements as one of the top 25 percent of instructors globally in student feedback and performance. Dr. Purshottam Sharma received a certificate of excellence from the Cisco Networking Academy.
- Dr. Seema Rawat of IT department was awarded with the "Faculty Innovation Excellence Award".

Faculty Development Programme

The Department of Information Technology organised a five-day development programme for faculties from May 4 to May 8 aiming Practical learning on latest technologies from industry & Academia experts delivered via lectures and experiments on MS Teams. Around 110 faculties participated in the event. The sessions addressed raging topics like **Machine Learning, Artificial Intelligence, Internet of Medical Things, Intelligent Techniques** etc. The sessions were taken by professors from all across India and other countries as well.

Student Corner

BRICS Educational Internship Programme 2020.

Abhishek Wadhwan and Shrey of B.Tech(IT), batch 2017-21 were selected for **BRICS Educational Internship Programme 2020**. They got the opportunity to study Cyber Security in Vladivostok, Russia. They attended professional courses under companies like Kapersky and Infotecs and got exposed to the people of the BRICS countries. The university organised a local trip for all the visiting students as well.

Student Achievements

Aakarsh Shrivastava of B.Tech (IT) 2016-2020 batch won the **Honourable Mention Award** in a parliamentary debate competion at **Atma Ram Sanatan Dharm College, University of Delhi** under the event **ARSD Youth Cocnclave.**

Aakarsh Shrivastava at Debates

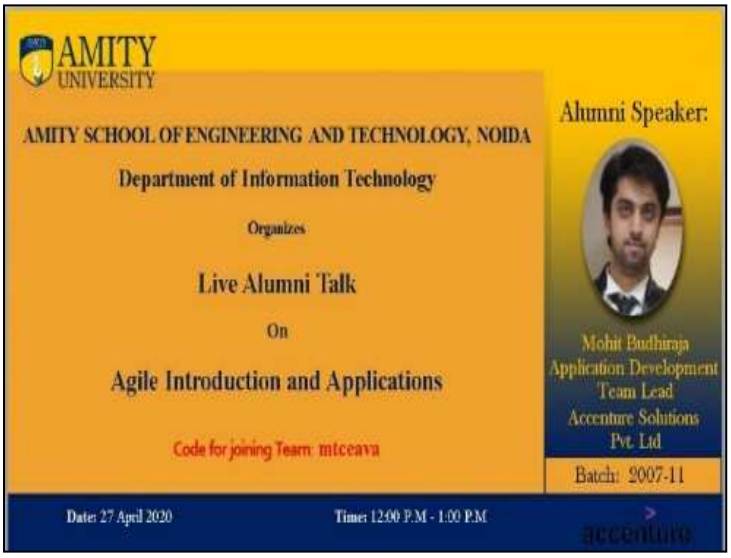
"Education is the most powerful weapon which you can use to change the world."

— Nelson Mandela

- **Aakarsh Shrivastava** of B.Tech (IT) 2016-2020 batch won the **High Commendation Award** and a **cash prize of 5000 Rupees** in a parliamentary debate competion at **Jesus and Mary College, University of Delhi** under the event **JMCMUN.**
- **Vaibhav Khanna** of B.Tech (IT) 2016-2020 batch secured the **2nd Position** in a stage competition at **BITSPILANI, Hyderabad.**

Alumni Speak

The Department of Information Technology organised Alumni meets to help the students understand the current industry from the words of their own seniors.



1. Alumni Talk on "Data Science Introduction and Application in Finance"

Mr. Harshit Singh, Director Platform at Demyst Data Ltd., New York, USA addressed the students on "Data Science Introduction and Application in Finance" on April 17, 2020, through MS Teams. Around 77 students attended the event. This event helped the participants to know about the basics of data science and its related core subjects and also learnt how to make their career in Data Science field.

2. Alumni Talk on "Agile Introduction and Applications"

Mr. Mohit Budhiraja, Application Development Team Lead Accenture Solutions Pvt. Ltd. addressed the students on "Agile Introduction and Applications" on April 27, 2020, through MS Teams. Around 61 students attended the event. This event helped the participants to know about the basics of agile technology and how it's beneficial for software development they also learnt how to make their career in Agile-Scrum Manager profile.

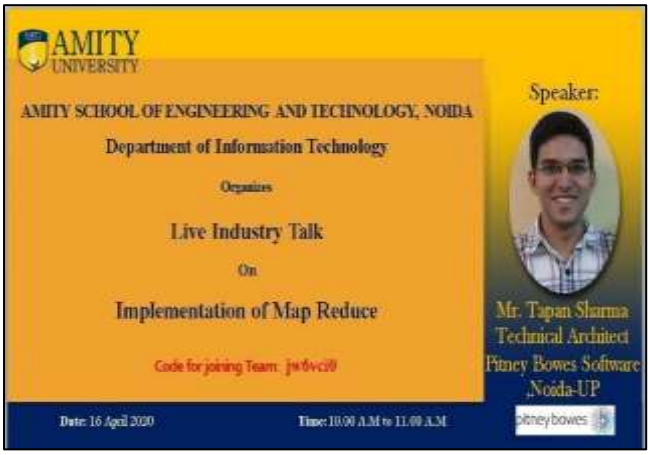
3. Alumni Talk on "Implementation of Microservices in Real Life"

Ms. Mansi Gupta, Technical Lead at Aristocrat Technologies addressed the students on "Implementation of Microservices in Real Life" on 10thJune, 2020, through MS Teams. Around 82 students attended the event. This event helped the participants enhance their knowledge on Microservices and its application in the current industry.

"What lies in our power to do, lies in our power not to do."

– Aristotle

4. Alumni Talk on "Technological changes necessary post Covid-19"



Mr. Nipun Jolly, Java web developer, Nucleus software Exports Limited addressed the students on "Technological changes necessary post Covid-19" on 17th June 2020, through MS Teams and presented the impact of Covid on the IT industry, such as: business loss of various sectors and loss of jobs. The talk covered the awareness to get the knowledge about new technical skills, new innovation ideas and various technologies like OCR, Face Recognition.

5. Alumni Talk on "Exploring JS frameworks and Angular 2+ Framework"

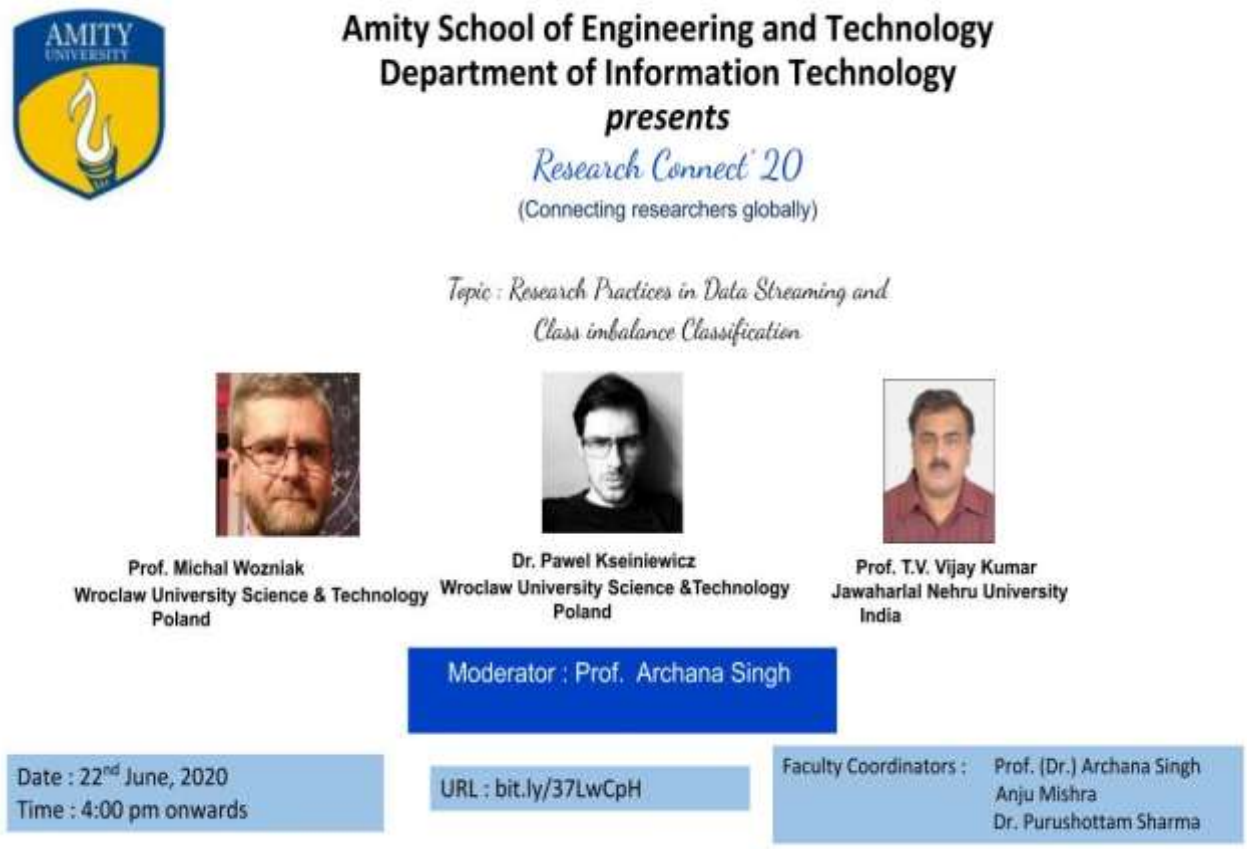
Mr Abhishek Wadhwa, Senior Analyst, Capgemini, Bangalore addressed the students on "Exploring JS frameworks and Angular 2+ Framework" on 18th June 2020, through MS Teams and presented an insight into web-based application development particularly using JavaScript. The talk covered JS frameworks and Angular framework. The talk also discussed the steps on how to develop an Angular application to increase the familiarity with the framework.

International Voice

Research Connect'20

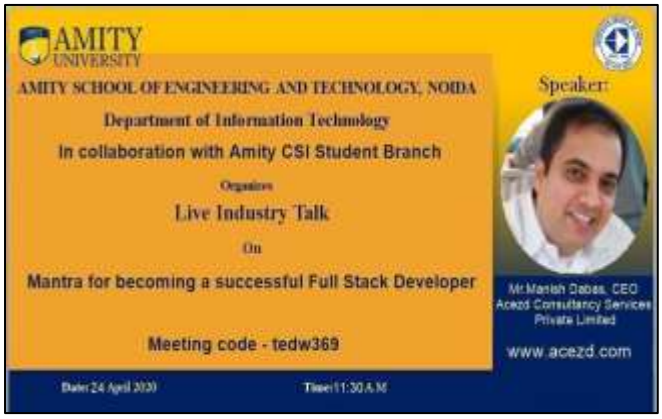
An event was organized on 22nd June 2020 to provide for a platform where worldwide researchers can come together online to exchange knowledge and their research experience. The research practices used by research scholars in Streaming data is pervasive in a multitude of data mining applications. One fundamental problem in the task of mining streaming data is distributional drift over time. Streams may also exhibit high and varying degrees of class imbalance, which can further complicate the task. In scenarios like these, class imbalance is particularly difficult to overcome and has not been as thoroughly studied. In this research connect online webinar, the issue of high class-imbalance in conjunction with data streams were discussed and presented.

"Optimism is the faith that leads to achievement; nothing can be done without hope and confidence"
-Helen Ke



Industry Interface

1. Mantra for becoming a successful Full Stack Developer



A webinar was organised by the Department of Information Technology on "Mantra for becoming a successful Full Stack Developer" on April 24, 2020, through MS Teams. Around 111 participants were addressed through this 1hr 15min event by CEO - Acezd Consultancy Services Pvt. Ltd, Mr. Manish Dabas. This event helped the participants learn about the work zone of a full stack developer and how they are expected to have an in-depth expertise on everything related to web and app development.

2. Implementation of Map Reduce (Big Data)

A webinar was organised by the Department of Information Technology on "Implementation of Map Reduce (Big Data)" on April 16, 2020, through MS Teams. Around 27 participants were addressed through this 1hour event by Mr. Tapan Sharma, Technical Architect at Pitney Bowes Software, Noida-UP. This event helped the participants in knowing about the basics of MapReduce and implementation of this tool also learnt how to implement, use, create the database and analyze the huge databases.

3. Demystifying Artificial intelligence in the era of Industry X.0

A webinar was organised by the Department of Information Technology on **"Demystifying Artificial intelligence in the era of Industry X.0"** on April 25, 2020, through MS Teams. Around 68 participants were addressed through this 1hour event by **Mr. Sanjay Ahuja**, TechDelivery Lead - Industry X.0-Accenture. This event helped the participants with the Introduction to Artificial Intelligence, Industrial Evolution from Mechanical to Cyber Physical World, create Value from AI and real-life use cases.

4. Applications of Project Management & Software Engineering in IT Industry

A webinar was organised by the Department of Information Technology on **"Applications of Project Management & Software Engineering in IT Industry"** on June 20, 2020, through MS Teams. Around 75 participants were addressed through this 1hour event by **Mr. Dipesh Kumar, IT Analyst, Tata Consultancy Services**. This event helped the participants with the Introduction to Software Project Management, create value from SE and real-life use cases.

Higher Studies

Many of our students got selected in foreign universities for higher studies. Some of them are:

- Gulpreet Kaur Chadha got selected in multiple universities like M.Sc Artificial Intelligence in Kings College London, M.Sc Computer Science in University of Melbourne with scholarship, M.Sc Data Science in University of Exeter with scholarship, M.Sc Advance Computing in Queen Mary College of London, M.Sc Advance Computing in University of Manchester and many more…

- Siddharth Sharma got admission in Master of Data Science, Monash University, Melbourne.

- Malvika Goyal got selected in MSc International Business in University of Leeds.

Amity Human Value Quarters

1. A Letter to…

The Department of Information Technology and ASET organised an event called "**A Letter to"** on 6th February 2020. In the event, the participants (max 2 per team) had to write messages for people of old age home, NGOs, Autism centre etc that the AHVQ team would be visiting in the future. These messages enabled the students to pen down their feelings and emotions for others. The event was conducted under Amity Human Values Quarters, ASET under the guidance of Ms. Ritu Punhani (Faculty Coordinator).

The event was fun as all the participants enjoyed it and were positively involved in it. The volunteers enjoyed it as well and helped in the successful execution.

2. Visit to Arunabha Welfare Society

Arunabha Welfare Society is an NGO working for the improvement of literacy conditions of the under privileged children in order to uplift the society as a whole. Two-to-three volunteers visited the NGO every Saturday, to groom the children and develop their basic knowledge in subjects like Maths and English. They were also taught about Communication Skills and Moral Science. The volunteers also contributed in the beautiful celebration on the occasion of Saraswati Puja. Amity Human Values Quarters, ASET took care of visit of the volunteers from 1st February to 29thFebruary, 2020 in Arunabha Welfare Society under the guidance of Ms. Ritu Punhani (Faculty Coordinator). The event was fun and full of learning as all the children enjoyed it and were positively involved in it. The volunteers enjoyed it as well and helped in the successful execution.

3. Visit to Literacy India

Literacy India is an NGO working for the improvement of literacy conditions of the under privileged children in order to uplift the society as a whole. It focuses on educating children and works for their social transformation. Vaibhav Khanna, Malvika Goyal and Gulpreet Kaur from B. Tech(IT) ,2016-2020 visited the NGO on 4th march, 2020 to groom the children and develop their basic knowledge in subjects like maths and English. They were also taught about Communication Skills and Moral Science.

"For a man to conquer himself is the first and noblest of all victories. "

– Plato

DEPARTMENT OF MECHANICAL ENGINEERING

From HoD's Desk

It gives me an immense pleasure to deliver this message for the Departmental newsletter. In the last few months starting from January and ending in June 2020 Department has planned and executed several activities to enhance the overall development of students, faculty members as well as staff. Even after the declaration of the national lockdown we have been involved in making the academic delivery through online mode at the level best among all. Department has successfully conducted several webinars under the aegis of Day of Belongingness. Apart from this 05 club committee events were also organized in which the students participated with full zeal and showed their great potential. Several students from our Department as well as from other Universities have also enthusiastically participated in the CAD Modeling Contest which was a featured event in Amity Youth Forum-2020. Department has also received a sponsored project from BRNS. From the upcoming session 2020-21, the Department is also starting two new programs as well (i) B.Tech. in Petroleum Engineering and (ii) B.Tech. in Mechatronics.

Department has organized (a) online workshop for school students on the topic "Digital Manufacturing and Design Technology", from 29th June to 03rd July, 2020 and is going to organize (b) Biennial International Conference named "Future Learning Aspects in Mechanical Engineering", FLAME-2020 from 05-07 August, 2020.

Prof. (Dr.) Basant Singh Sikarwar,
Post-Doc (ISU, USA), Ph.D. (IIT-K), M.Tech. (IIT-R)
Head, Department of Mechanical Engineering,
Amity School of Engineering and Technology,
Amity University Uttar Pradesh, Noida

Connect with us:
admissiomme@amity.edu, bssikarwar@amity.edu
Instagram/Twitter: @me_amitynoida
Facebook: https://www.facebook.com/AmityUniNoida
Linkedin: https://www.linkedin.com/in/meamitynoida/

FACULTY CORNER @ACHIEVEMENTS

Department received sponsored research project entitled "Study of Dropwise condensation on a plasma patterned super - hydrophobic surface for water harvesting" from Board of Research in Nuclear Sciences

(Sanction No: 57/14/14/2019).

Department faculty members Published more than 110 Scopus and SCI Indexed manuscript in this academic year (2019-20)

Many faculties of Department are working upon several Industries funding Projects

Department recently got an industry project from Airflow Pvt. Ltd., Kasna.

STUDENT CORNER: CLUB ACTIVITIES

Baja SAE: A Doorstep to opportunities
(Automobile and SAE Club)
23-04-2020, 2:30-3:30 PM

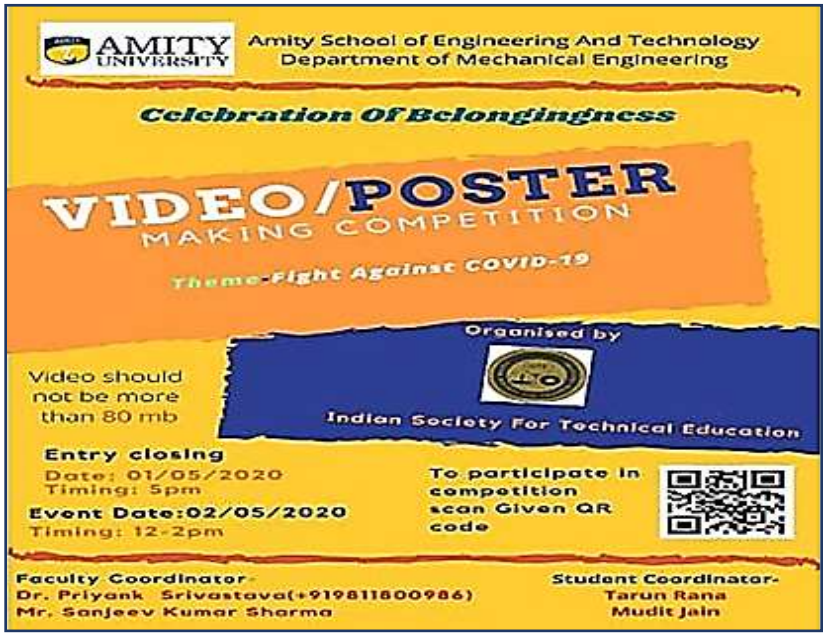
Mr. Aditya Pratap Singh, Former Team Captain, Amity Racing. He gave presentation on Baja SAE event and processes involved in the competition. He also explained about hybrid vehicles.

Challenges in early stage startups
(Automobile and SAE Club)
24-04-2020, 11:00AM-12:00 PM

Mr. Aahan Malhotra, Founder and CEO, Edudictive, Artophillic. He explained very nicely about startups initiations, problem faced during early stage of these startups and how to deal with these problems.

MECH-ED
(Online Design/Drawing competition)
(ASME Student Chapter)
29-04-2020, 4:00 to 5:00 PM

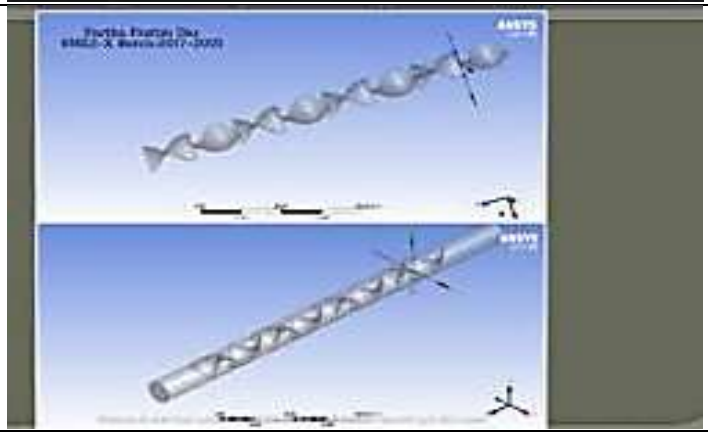
An online design and drawing event were organized by Department of Mechanical Engineering under the aegis of ASME Amity Student Chapter, Amity School of Engineering and Technology, Noida for celebrating the day of belongingness. As per the theme of the event, it is related to drawing and design of mechanical and automobile components drawn using various CAD software.



Video/Poster Making
(Theme: Fight Against COVID-19)
(ISTE Student Chapter)
02-05-2020, 12:00-13:30 PM

The event was organized to celebrate days of belongingness. The event was attended by faculties of Amity School of Engineering and Technology, Amity University, Noida. The event was started by the coordinators by sharing their views regarding COVID-19 and precautions to be taken to defeat this pandemic.

Few Glimpses of Events: Participation by the Students



The World resembles an operation theatre irrespective of caste, creed, and religion.#we stand alone to be togethor #stay home #stay safe

Alumni Speaks

Mr. Rohit Kumar
B.Tech (MAE) 2010-14 Batch.
Rohit has come a long way in his career after placement in Wipro and presently working with Capgemini as a Consultant.
For more about his experience at Amity visit
https://www.facebook.com/AmityUniNoida/videos/595057174456133/

Ms. Sukanya
B.Tech (MAE) 2010-14Batch
An alumnus of our department. She is presently working as Senior SAP Consultant, Birlasoft.
For more about her experience at Amity visit
https://www.facebook.com/AmityUniNoida/videos/4291240157583116/

Mr. Anuj Raturi,
M.Tech (Automobile Engineering), 2011-13 Batch
He is presently working as Assistant Professor in Graphic Era University.
For more about his experience at Amity visit
https://www.facebook.com/AmityUniNoida/videos/259589465370331/

Mr. Satvik Kumar
B.Tech (MAE) 2015-19 Batch
Mr. Satvik is living his dream and presently working as Professional Drone Pilot.

For more about his experience at Amity visit
https://www.facebook.com/AmityUniNoida/videos/1044061562662763/

GLOBAL EXPOSURE (HONORARY PROFESSORSHIP)

Prof. (Dr.) Anand Asundi
School of Mechanical and Aerospace Engineering, Nanyang Technological University, Singapore

Prof.(Dr.) Eugene Pak
Advanced Institute of Convergence Technology, Republic of Korea

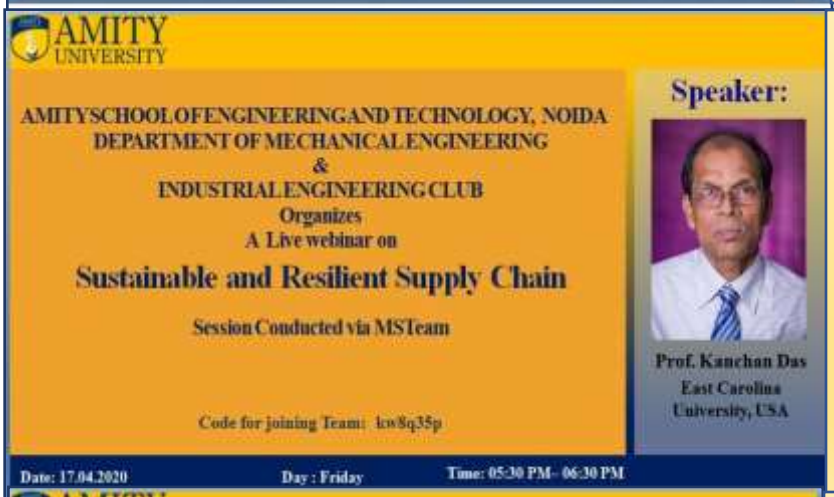
Prof.(Dr.) Eyad H. Abed
Professor, Department of Electrical and Computer Engineering and the Institute for Systems Research University of Maryland, College Park MD USA

Prof. (Dr.) Sriram Sundararajan
Professor Mechanical and Industrial Engineering Associate Dean for Academic Affairs, College of Engineering Iowa State University USA

WEBINARS CONDUCTED BY INTERNATIONAL SPEAKERS

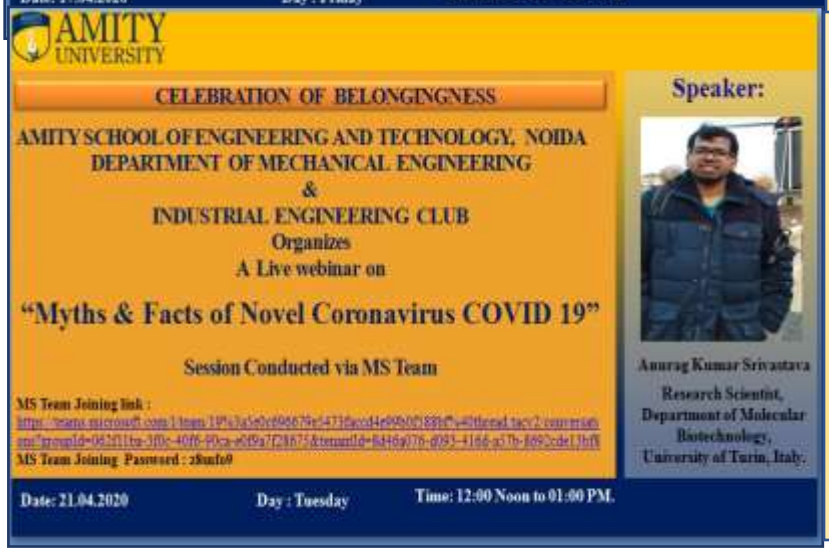
Introduction to Sustainable Manufacturing
15-04-2020, 5:30 PM to 6:30 PMT

The importance of topic "Introduction to Sustainable Manufacturing" was introduced among participants. Prof. P. N. Rao started the presentation on Sustainable Manufacturing. Initially, basic concepts of sustainability and GHG emissions were presented than he showed many of its applications.



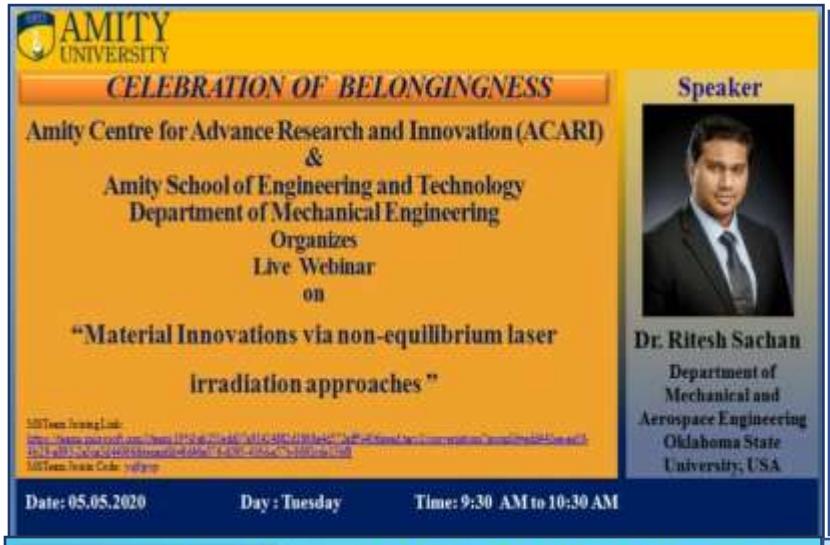
Sustainable and Resilient Supply Chain
17-04-2020, 05:30 PM to 06:30 PM

The webinar was delivered by Prof. Kanchan Das, University of North Carolina, USA. It was delivered by the speaker on Sustainable and Resilient Supply Chain. He discussed about the various aspects of the resilient supply chain in the current Covid-19 epidemic.



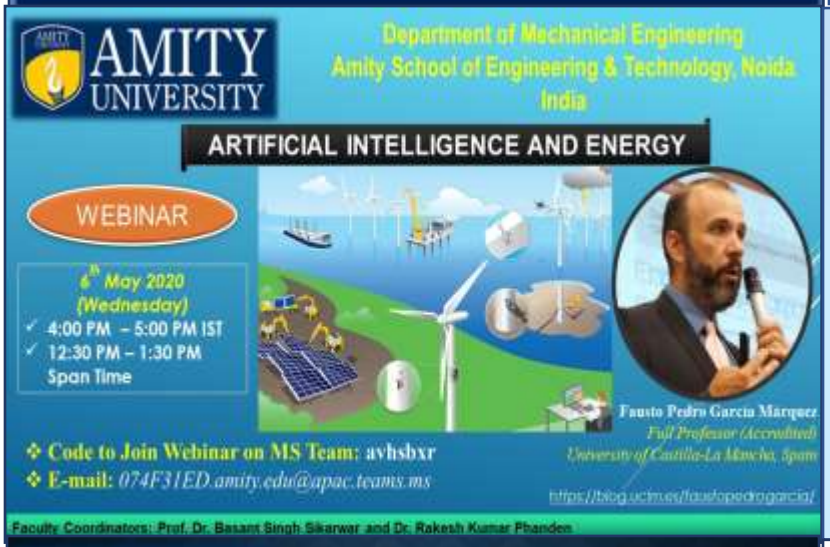
Myths & Facts of COVID 19
21-04-2020, 12:00 Noon to 01:00 PM

Webinar on Myths & Facts of Novel Coronavirus COVID 19 was organized for Student and faculty members. The webinar was delivered by Dr. Anurag Kumar Srivastava, Department of Molecular Biotechnology, University of Turin, Italy. The webinar was delivered by the speaker on Myths & Facts of Novel Coronavirus COVID 19.



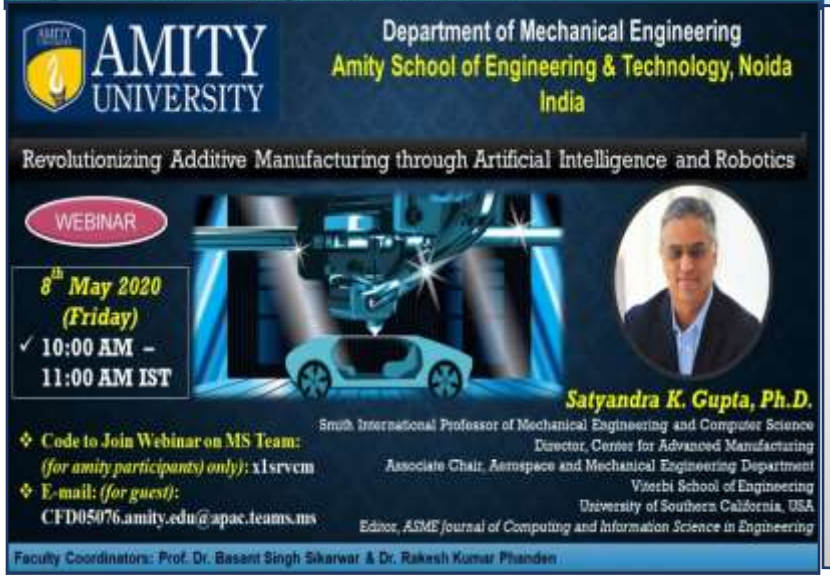
Material Innovations via non-equilibrium laser irradiation approaches,
05-05-2020, 09:30 AM to 10:30 AM

Dr. Ritesh Sachan is an Assistant Professor in Department of Mechanical and Aerospace Engineering at Oklahoma State University. His research interests primarily lie in developing a quantitative understanding of the structure-property correlations in highly non-equilibrium nanostructures and thin films coatings



Artificial Intelligence and Energy
06-05-2020, 04:00 PM to 05:00 PM

Dr. Fausto Pedro Garcia Marquez is Full Professor (Accredited) in University of Castilla-La Mancha, Spain. He delivered an impressive talk about the developments in the field of Artificial Intelligence and Energy. The event was coordinated by Prof. (Dr.) Basant Singh Sikarwar and Dr. Rakesh Kumar Phanden.



Revolutionizing Additive Manufacturing through Artificial Intelligence and Robotics
08-05-2020, 10:00 AM to 11:00 AM

Dr. Satyandra K. Gupta is Smith International Professor of Mechanical Engineering and Computer Science. He also holds various portfolios like Director, Centre for Advanced Manufacturing. He is also acting as Session Chair, Aerospace and Mechanical Engineering Department, Viterbi School of Engineering, University of Southern Carolina, USA.

INDUSTRY INTERFACE

Industry Projects Completed:

- Department successfully completed industry project entitled "Design a multi-evaporator for recover the water from RO wastage" sponsored by TEX Corp.
- Department successfully completed industry project entitled "CFD Analysis of Nozzle Check Valve" sponsored by Advance Valve.
- Department successfully completed industry project entitled "Improve the efficiency of solar panel systems" sponsored by Skilancer Solar Pvt Ltd.
- Department successfully completed industry project entitled "Improve the efficiency of Condensing systems of Air conditioning" sponsored by Amber Enterprises India Ltd.

Online Industry Visits:

- 21 students of B.Tech (Mechanical Engineering) visited AIMIL Ltd.
- 20 students of B.Tech (Mechanical Engineering) visited Yamaha Motors.
- 20 students of B.Tech (Mechanical Engineering) visited Hitachi India Ltd.

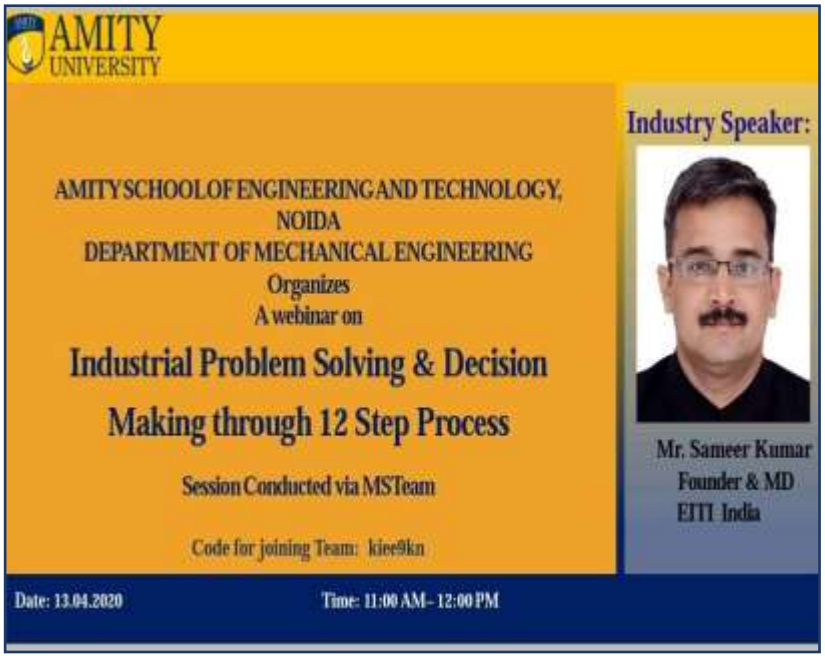
Online Summer Internship Projects:

16 students of B.Tech. (Mechanical Engineering) completed their online internship projects at INXEE

WEBINAR CONDUCTED BY INDUSTRY EXPERTS

Basics of Supply Chain & Introduction of Sourcing Process,
11-04-2020, 11:00AM to 12:00 Noon

The webinar started with introduction of Mr. Nand Kishore Mittal, Director, CAF Transport who was the guest speaker of this webinar. Mr. Mittal started his presentation with Introduction of supply chain management and its different aspects. He explained about the sourcing process. Some case studies were also discussed in the presentation.

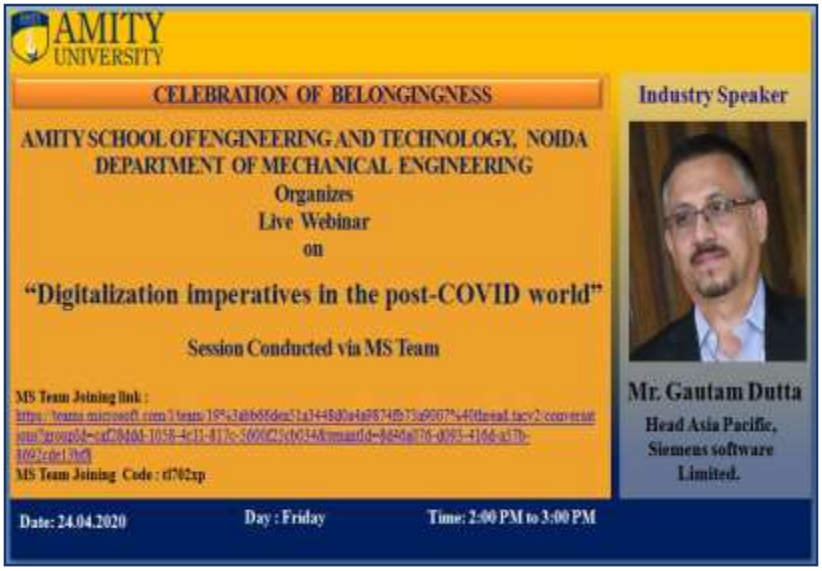


Industrial Problem Solving & Decision Making through 12 Step Process
13-04-2020, 11:00AM to 12:00 Noon

The webinar started with introduction to Mr. Sameer Kumar, Founder & MD, EITI India. Mr. Sameer started his presentation with Industrial Problem Solving &DecisionMaking Techniques. He explained about the applications of various techniques. Some case studies were also discussed during the presentation.

DIRFT: Do It Right First Time
18-04-2020, 11:00 AM to 12:00 Noon

The webinar was delivered by Mr. Parveen Yadav, Deputy General Manager, Sonalik Tractors. The webinar was delivered by the speaker on DIRFT: Do It Right First Time. He discussed about the various aspects of the DIRFT in Industries. He said that a larger percentage of a just-in-time inventory production system relies on the movement of parts and information along the



Digitalization imperatives in the post-COVID world
24-04-2020, 02:00 PM to 03:00 PM

Mr. Gautam Dutta, Head Asia Pacific, Siemens Software Limited delivered an impressive talk on the importance of Digitalization and more specifically in the post COVID era. His talk presents an eye opener picture on the latest trends in the digital arena all over the world.

Low Cost Automation: Concepts and Applications

30-04-2020, 02:00 PM to 03:00 PM

Mr. Vishwa Vijay Tyagi is presently working as Senior General Manager ast Manohar Filaments Pvt. Ltd. Previously, he worked as Ex-DGM-Operations, Rockman Industries Ltd. and Ex-Senior Manager-Production, M/s Escorts Ltd. Faridabad. He delivered the talk on the importance of low-cost automation.

RECENTLY ORGANIZED AND UPCOMING EVENT

Online workshop for school students (Recently Organized):

Department of Mechanical Engineering recently organized an online workshop for school students on the topic "Digital Manufacturing and Design Technology", from 29th June to 03rdJuly, 2020. This workshop was planned for the students of Class 10th, 11th and 12th with an aim to give them an insight view of "Technical Education" moreover focused on Mechanical Engineering. The experts who delivered the lecture during the workshop were the faculty members of the Department of Mechanical Engineering, Amity University Uttar Pradesh, Noida.

FLAME 2020, 05-07 August 2020

The conference seeks to provide a forum for a broad blend of high-quality academic papers in order to promote rapid communication and exchange between researchers, scientists, and engineers in the field of mechanical engineering. The conference publishes original research articles, review articles and feature articles. The FLAME 2020 ongoing mission to detect novel trends in Thermal, Fluids, Energy and Process Engineering, Mechatronics, Control and Robotics, Material Science and Engineering, Solid Mechanics and Structural Engineering, Dynamics and control, Engineering Design, Manufacturing and Industrial Engineering, Automobile Engineering. For more details visit https://www.amity.edu/flame2020/

INDUCTION OF NEW PROGRAMS

Department of Mechanical Engineering from the session 2020-21 has taken the initiative for starting 02 new programs namely B.Tech. (Petroleum Engineering) and B.Tech. (Mechatronics). The initial intake of students will be 120 in each of these branches. Link for the details is https://amity.edu/course-list.aspx

CORPORATE RESOURCE CENTRE

Message

In today's highly competitive world, persons with competence and drive only can stand out. It is in this direction that Corporate Resource Centre of Amity School of Engineering & Technology has been playing vibrant role in grooming of engineering students to acquire adequate knowledge, skill and exposure to the corporate world through different bridging tool like industry internship, expert lectures, industry mentors, workshops and conferences. We do a hand holding of every student with help of our faculty members, placement coordinators so that the students are groomed to be industry ready. The students are provided necessary guidance, right from setting the aspiration to providing necessary training and skilling required for achieving their set aspiration. The students get the best training from reputed industries that equips them to face the challenges and prepares them well for the corporate culture fitment. Industry has been encouraging our efforts by recruiting our students year after year. This has further strengthened our commitment to provide quality education.

I am proud to mention that our endeavour to connect our students with best of the industries continued uninterrupted even during this challenging scenario of lockdown. Kudos to the teamwork!

Dr. Madhuri Kumari
Professor, Department of Civil Engineering,
Dy. Director, Placement and Industry Relation,
Amity School of Engineering & Technology

Highlights

- ✓ 1 company for every 10 students
- ✓ 150+ companies offered placement to our students
- ✓ Hosted e-internship fair for industry-student connect
- ✓ Around 50 companies offered remote industry internship to students of batch 2017-2021
- ✓ 25+ webinars hosted during Lockdown period for promoting industry-academia handshake
- ✓ Initiated Industry Mentor-Mentee connect Programme

Upcoming Events

- ✓ e-Corporate Forum in July 2020
- ✓ Pre-placement briefing sessions for students of passing out batch 2021
- ✓ Placement preparatory activities: Grooming session & Practice sessions
- ✓ Webinars by prospective recruiters
- ✓ Initiation of Aspiration Survey for junior student batches

The role of CRC

The Corporate Resource Centre (CRC) is set up in Amity School of Engineering & Technology with the aim to bring the Industry and academia close to each other by providing need-based education and organization support.

CRC organizes industry interaction, summer training and provide guidance and assistance to students for getting suitable employment in industry.

To promote Industry we have Academic Interaction, Organizing Seminars, Workshops, Group Discussions on topics pertaining to industry – Institute Interaction with the help of students and faculty members.

Industrial interaction is very important for advancement of students and faculty involved in Industrial Technology programs. Keeping this in mind, at Amity emphasis more at Industry Interaction, encouraging engineers from industry to visit our Institution to deliver lectures. Participation of experts from industry in curriculum development. Project work in industries under joint guidance of faculty, CRC and Industrial Guide.

CRC is the nerve centre of the institution fully involved in preparation of students' data as per the eligibility criteria of the visiting company. It also coordinates, follow up, monitors the placement activities at each stage during campus placement. Grooming and Personality Development Programme by taking care of student skills in resume writing, development of interview skill, Group Discussion & Communication skills and identifying avenues for employability and other related activities.

This will have great bearing on our engineering curriculum, exposure of industrial atmosphere to engineering students and subsequent placement of young graduating engineers in industries across the country.
With the globalization and opening up of Indian economy to outside world with fierce competitions and reducing profit margins, industries look up to engineering institutions for their placement problems.

Industry Ready Process.....

Summer internship placement data

Internship is an educational and career development opportunity providing the students with hands-on work experience in an organization for which students can earn academic credit as well.

An internship is a work experience characterized by intentional learning. Students who have good internship experience are hired faster and earn more than students who do not. More and more employers are seeking students who have relevant experience and are familiar with the work environment. After a student completes an internship, there is greater possibility that the employer will hire him or her for a full-time position. The advantage here is that students are already familiar with the organization's culture and work style.

This summer due to pandemic we come up with Online Summer Internship where we associated with more than 45 companies and able to give internship to 443 students.

REMOTE INTERNSHIP APR-MAY 2020:

& more…

Final Placement

TOP 5 RECRUITERS FOR 2019-2020		
S.No.	**Company Name**	**Package**
1	SHELL	12.0 LPA
2	ACCOLITE	11.0 LPA
3	VMWARE	10.0 LPA
4	GOOGLE	8.45 LPA
5	ICERTIS &	8.0 LPA
5	ZTE	8.0 LPA

Our Top Recruiters

Our Top 5 Recruiters

Computer Science Engineering	Mechanical Engineering	Electronics and Communication Engineering

Information Technology	Civil Engineering	Electrical & Electronics Engineering

Higher education

Amit Yadav

Master of Business Analytics

Ms.Shelima Ahmed

Master of Business

Samaksh Goel

Master of Business Analytics

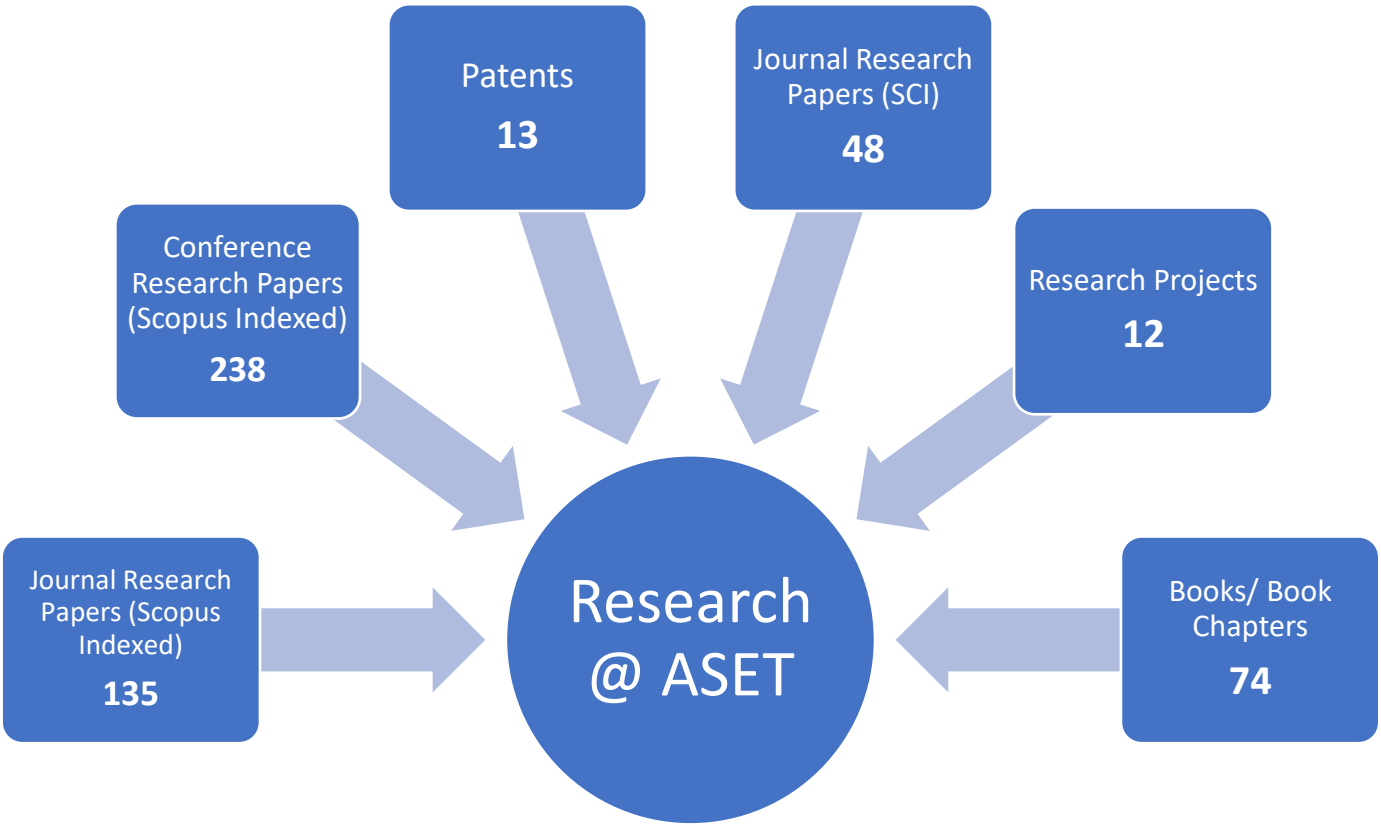
Gursimran Kaur

Master Of Science Program in college of Information and Computer Sciences

Jahnvi Tandon

Master of Management (Finance)

Research during Lockdown

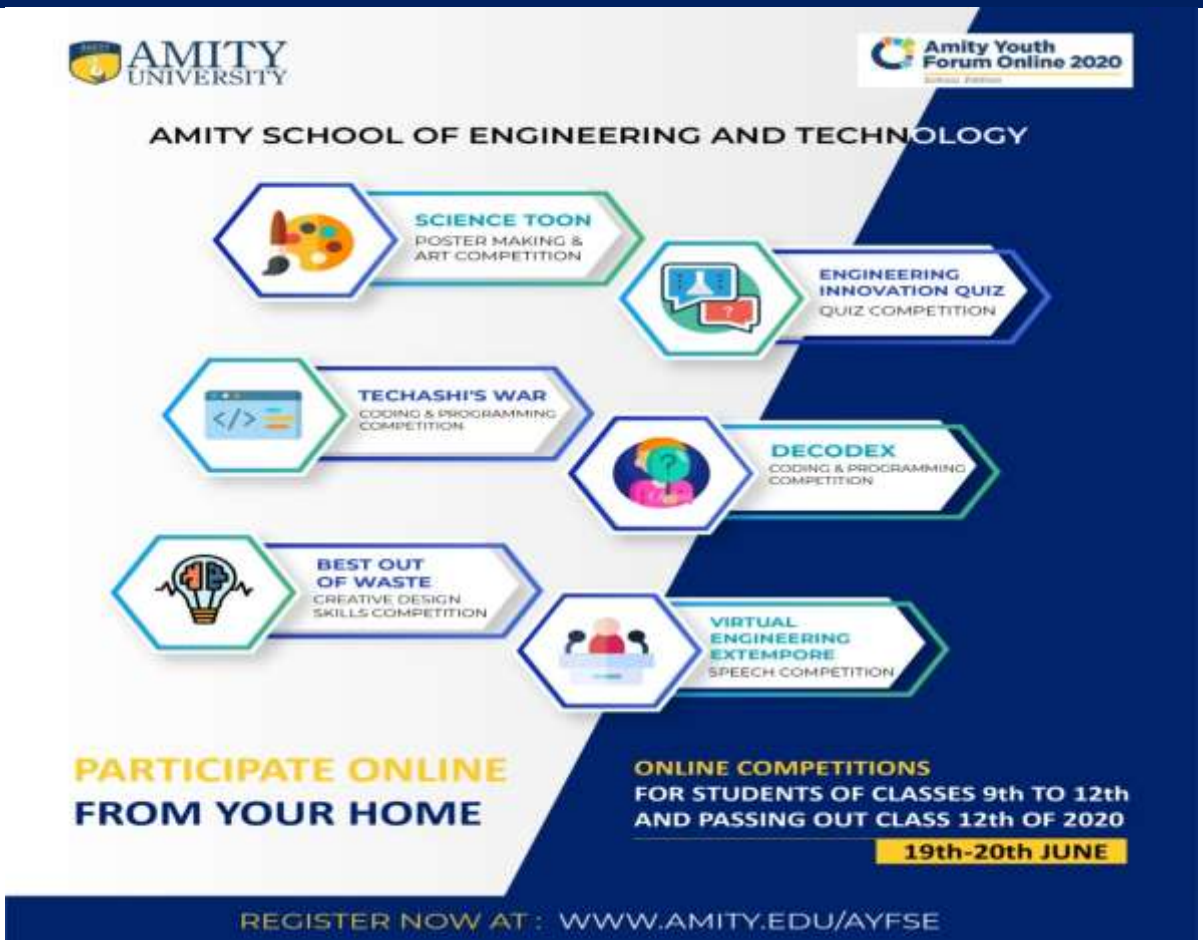


Top 10 papers with excellent Impact Factor

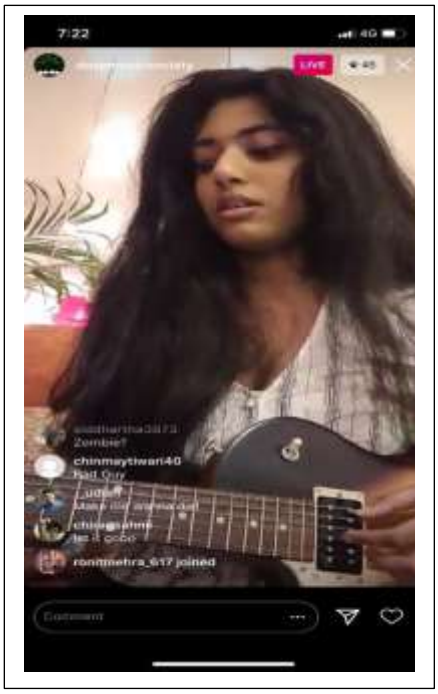
1. Vimal KEK, K. Mathiyazhagan, Vernika Agarwal, Sunil Luthra, K. Sivakumar (2020) "Analysis of barriers that impede the elimination of single use plastic in developing economy context" Journal of Cleaner Production – Accepted for publication (**Impact Factor: 6.395**).
2. Devesh Vishal, Shivesh Dubey, Rahul Goyal, Gaurav Dwivedi, Prashant Baredar, Mayank Chhabra, "Optimization of alkali-catalyzed transesterification of rubber oil for biodiesel production & its impact on engine performance" Renewable Energy, Vol. 158, pp. 167-180. (Impact Factor: 5.439).
3. Saxena V., Kumar N., Saxena V.K., "Multi-objective optimization of modified nanofluid fuel blends at different TiO2 nanoparticle concentration in diesel engine: Experimental assessment and modelling", Applied Energy (Impact Factor: 8.426).
4. Kanu N.J., Gupta E., Vates U.K., Singh G.K., "Self-healing composites: A state-of-the-art review", Composites Part A: Applied Science and Manufacturing (Impact Factor: 6.282).

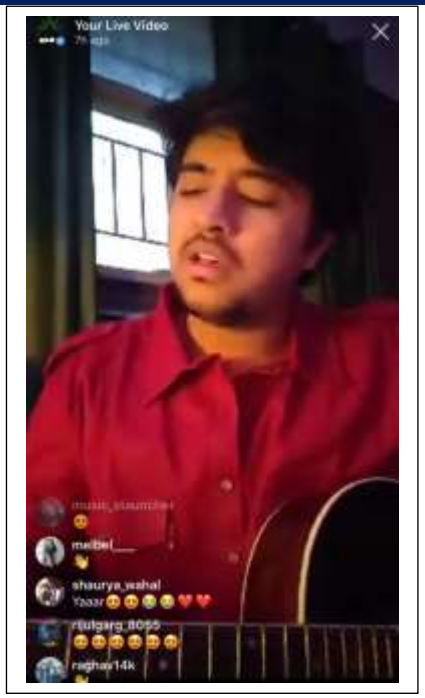
5. Bhatia, V., Rani, R., "A distributed overlapping community detection model for large graphs using autoencoder", Future Generation Computing Systems (Impact Factor: 5.768).
6. Gupta V.S., Singh D.B., Mishra R.K., Sharma S.K., Tiwari G.N., "Development of characteristic equations for PVT-CPC active solar distillation system", Desalination (Impact Factor: 6.01).
7. Akashdeep Bharadwaj, Fadi Al-Turjman, Manoj Kumar, Thompson Stephan, Leonardo Mostarda, "Capturing-the-Invisible (CTI): Behavior-based Attacks Recognition in IoT-oriented Industrial Control Systems", IEEE Access (Impact Factor: 4.098).
8. Premkumar Chithaluru, Fadi Al-Turjman, Manoj Kumar, Thompson Stephan, "I-AREOR: An Energy-balanced Clustering Protocol for implementing Green IoT for smart cities", Sustainable Cities and Society (Elsevier) (Impact Factor: 4.624).
9. P.K. Muhuri, P.K. Gupta, "A novel solution approach for multiobjective linguistic optimization problems based on the 2-tuple fuzzy linguistic representation model", Applied Soft Computing, Elsevier (Impact Factor: 4.37).,
10. Pulkit Garg, Anbesh Jamwal, Devendra Kumar, Kishor Kumar Sadasivuni, Chaudhery Mustansar Hussain, Pallav Gupta, "Advance Research Progresses in Aluminium Matrix Composites: Manufacturing & Applications", Journal of Materials Research and Technology, Vol. 8(5), pp. 4924-4939. (Impact Factor= 5.289).

EVENTS



Student Activities in Lockdown





DASP EVENT

We, from ***DASP - The Official Music Society of ASET***, have been keeping busy throughout the lockdown, doing what this society was found to do in the first place: *Spread music and joy and smiles all around to the best of our abilities.*

On the 25th of April, 2020, DASP, in association with the Mechanical department of ASET, collaboratively organized, "*A singing event*", with the theme "*A sense of belongingness*" with the vision of maintaining our unity, and reminding us that we are not alone in these difficult times.

The event was conducted under the guidance of the faculty coordinators Dr.Richa Sharma and Dr. Preeti Joshi, in presence of the faculty guests of honour, Dr. Vangmayee Sharda, Mr. Manish Kumar Ojha, and Dr. Priyank Srivastava.

Besides this, DASP has taken an initiative to help people rid themselves of their lockdown blues with a musical potpourri of rock, pop, bollywood, sufi, and dozens of other genres made by our extensive line of amazing musicians in the form of *DASP Quarantine Sessions*, a routine hour-long event in which our members took the stage (or the screen in this case) from our instagram account *@daspmusicsociety* and sing their hearts and souls to an average of 150-200 people per session.

The first session took place on the 11th of April, and we have had 17 such iterations yet, and counting.

Best Use of Lockdown by Students

Learners of Amity University, Noida earn the best use of lockdown and design a completely touchless automatic sanitizer dispenser gadget to deal with the pandemic.

The students of Amity School Of Engineering and Technology (ASET) never decline to rise to an opportunity, even amid a crisis. Yet again, they have made the university proud.The students of "TECHUINO" includes - **Rohit Kumar(B.Tech-ME), Rohit Aggarwal(B.Tech-EEE), Owasi Aslam(B.Tech-ECE)** have created a fully automated sanitizer machine of 500ml & 1L using limited resources during the lockdown. Engineers work with automobiles, designs and electronics that alter the society and enhance the way of existence. This fully automated sanitizer machine is a practical idea and can be achieved even in a fixed budget

news@ASET DESIGN CENTRE

JAN - JUNE 2020

Workshop on "Product Development Phases" by Mr. Kshitij Doval, Founder Unhu

Workshop on "National Innovation and startup policy for students and faculty on 13.2.2020

Workshop on Social Innovation and Entrepreneurship

Date: 20th February 2020
Speaker: Shri Pramod Joshi, Consultant

Internal Hackathon for Smart India Hackathon – 2020 on 21st January 2020

Entrepreneurship Development Programme on 12th March 2020

Online session on Strategizing Innovation in Engineering Domain on 5th May 2020

ONLINE HACKATHON – AMI-HACKS-2020 8th – 11th May 2020

Ami-Hacks was a three-day online hackathon which aims to push young students to provide practical and innovative solutions to real-world problems.

Some products developed by students of Innovation by Design

AMITY UNIVERSITY

NO. 1 PRIVATE UNIVERSITY IN UTTAR PRADESH

ADMISSIONS OPEN

- ELECTRONICS AND COMMUNICATION ENGINEERING
- COMPUTER SCIENCE & ENGINEERING
- INFORMATION TECHNOLOGY
- MECHANICAL ENGINEERING
- CIVIL ENGINEERING
- ELECTRICAL & ELECTRONICS ENGINEERING

IET, U.K. ACCREDITED
A+ NAAC ACCREDITATION
WASC ACCREDITED INSTITUTION
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Ms. Punj Lata Singh,

Dr. Pallav Gupta , Ms Ruchira ,Ms. Ritu Gupta ,Ms. Smriti Sehgal Ms Shuchismita Pani, Dr Vangmayee Sharda,

Student Coordinators: Ms Rushali salina Singh, Mr Aazar Imran Khan