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Visit@https://www.amity.edu/aset/

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- Prof. (Dr.) Sujata Pandey

Coordinators:
Ms. Punj Lata Singh, Dr. Pallav Gupta, Ms. Ruchira, Ms. Ritu Punhani, Ms. Anjali Kapoor, Ms. Smriti Sehgal, Dr. Dolly Sharma, Ms. Shikha Bathla, Ms. Richa Sharma, Ms. Priyanka Singh, Mr. Bhupendra Kumar Sharma

AMITY UNIVERSITY
–UTTAR PRADESH–

TECHFEED

NEWSLETTER JANUARY–DECEMBER 2021

AMITY SCHOOL OF
ENGINEERING & TECHNOLOGY

MESSAGE FROM JOINT HEAD

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

MESSAGE FROM JOINT HEAD

An institute is always recognized by its academic rigor and the quality of management of its academic activities which go a long way in enriching the educational horizons of the students making them successful in their walk of life. Amity University is recognized worldwide for always striving towards achieving academic excellence and the all-round holistic development of the students and the university takes the pride of having a rich array of alumni who have kept the flag of the university soaring high in sky. This magazine provides an overview of various academic, cocurricular, and extracurricular activities of the university.

Amity University Noida is moving progressively to fulfil the vision of Dr Ashok K Chauhan, Hon'ble Founder President of creating a world-class, Research and Innovation driven Institution. The Journey to achieve excellence continued despite pandemic and lock down. The faculty, staff and students continued their undeterred endeavours not only to achieve academic excellence but also to serve the society and humanity. The dynamic leadership of Dr Atul Chauhan, Hon'ble Chancellor AUUP to kept us motivated to fight against all odds and give our best despite adversities.

The environment in current circumstances is characterized by the acronym VUCA which stands for Volatile, Complex, Uncertain and Ambiguous. Economic recessions and natural calamities are not new, and managers know how to traverse through the business cycles, but this pandemic has completely transformed the way we live, work, collaborate and communicate. Severe impact of pandemic on economy is visible. The unprecedented challenges posed by pandemic has forced to rethink everything including future of jobs and education. Traditional ways of working might be redundant in this new normal and students need to acquire skills that make them capable of facing the challenges with courage and confidence. After getting used to online way of teaching and learning it was an opportune time for students to showcase their creativity for creating awareness regarding COVID appropriate behaviour or importance of Vaccination.

Amity School of Engineering and Technology, Amity University Noida has always been at the forefront when it comes to serving society. Several webinars and expert sessions were conducted to help individuals and corporates cope up with the changes and lead in an effective way during pandemic. The focus of any quality institutions should be to achieve academic excellence through industry integration, experiential learning, innovative pedagogy, and research in this age of disruption. Being multilingual and understanding of cross-cultural communication also helps professionals to advance their business operations globally. I am glad that all Departments, Sections, and student clubs have contributed whole heartedly to achieve the vision and mission of making Amity as one of the best institutions globally. I am happy to see that many initiatives of our faculty and students have been appreciated at national and international level.

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

RECOGNITIONS & ACCREDITATIONS

DEPARTMENTS OF AMITY SCHOOL OF ENGINEERING TECHNOLOGY

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

PROGRAMMES OFFERED

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

UG Programme (B.Tech)
- Computer Science Engg.
- Computer Science Engg.- evening
- Artificial Intelligence

Integrated Programmes
- B.Tech (CSE)+MBA

Ph.D (Computer Sc. Engg)

PG programme (M.Tech.)
- Computer Science Engg.
- Computer Science Engg. – Weekend
- Data Science
- Artificial Intelligence

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

UG Programmes (B.Tech)
- Electrical & Electronics Engineering
- Electronics & Instrumentation Engineering

Ph.D (Electrical Engg)

PG Programmes (M.Tech.)
- Power Systems Engineering
- Control Systems Engineering

DEPARTMENT OF CIVIL ENGINEERING

UG Programme (B.Tech)
- Civil Engineering

Integrated Programmes
- B.Tech (Civil)+ MBA

Ph.D (Mechanical Engineering)

PG Programmes (M.Tech.)
- Structural Engineering
- Structural Engineering- Weekend
- Environmental Engineering

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

UG Programmes (B.Tech)
- Electronics & Communication Engineering
- Electronics & Communication Engineering- Evening
- Robotics Engineering
- Electronics & Telecommunication Engineering

Integrated Programme
- B.Tech (ECE)+MBA

Ph.D (Electronics & Communication Engineering)

PG Programmes (M.Tech.)
- Electronics & Communication Engineering
- Electronics & Communication Engineering- Weekend
- VLSI
- Embedded Systems Technology
- Wireless Communication Technology

PROGRAMMES OFFERED

DEPARTMENT OF INFORMATION TECHNOLOGY

UG Programme (B.Tech)
- Information Technology
- Computer Science & Business Systems
- Computer Science & Social Sciences

PG Programmes (M.Tech)
- Information Technology
- Computer Network & Information Security

DEPARTMENT OF MECHANICAL ENGG.

UG Programmes (B.Tech)
- Mechanical Engineering
- Mechanical Engineering- Evening
- Mechatronics
- Petroleum Engineering

Integrated Programmes
- B.Tech (ME) + MBA
- B.Tech (ME) + M.Tech (AME)

Ph.D (Mechanical Engineering)

PG Programmes (M.Tech.)
- Automobile Engineering
- Mechatronics
- Thermal & Fluid Science
- Industrial and Production Engineering

PROGRAMMES OFFERED WITH INTERNATIONAL EXPOSURE

- B.Tech. (ME) – International
- B.Tech. (ME) - 3 Continent
- B.Tech. (CSE)- 3 Continent
- B.Tech. (CSE)- International
- M.Tech. (CSE)- International
- B.Tech. (EEE)- International
- B.Tech. (ECE) -3 Continent
- B.Tech. (Civil)-International
- B.Tech. (Civil)-3 Continent

NEW PROGRAMMES INTRODUCED

B.Tech Mechanical with Honors specialization in Computational Engineering and Digital Manufacturing

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Prof. (Dr.) Sanjeev Thakur
HoD, Dept. of Computer Science & Engineering
Amity School of Engineering & Technology

A warm greetings to all!!

It is my pleasure to announce the release of the Jan-Dec, 2021 issue of newsletter by the Department of Computer Science & Engineering, ASET. This newsletter provides a platform to discuss the highlights of the events organized and those upcoming in near future. The current technology revolution has made the world a smaller place. With technology getting integrated into the fabric of every individual's life, the world has become a more connected and digitised place. Department has successfully organized many webinars/events online under the club-committee umbrella to showcase student's talent and take benefit from them. Career counselling sessions are being successfully held for admission aspirants online. Department of CSE can be reached through social media @Facebook, @Youtube, @Linkedin and @twitter. I wish best of luck to the students and thank my colleagues to bring laurels to the department.

NATIONAL INSTITUTIONAL RANKING FRAMEWORK

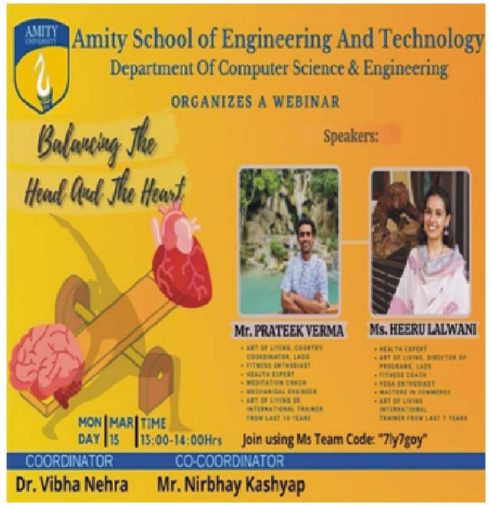
HAPPENINGS@DEPARTMENT

Conference

11th International Conference Confluence was held on 28th-29th January 2021. The Theme of Confluence-2021 was Cloud Computing, Data Science & Engineering. More than 50 Keynote & Distinguished Speakers / Guests attended the conference.

WEBINARS ORGANISED

Many webinars on important topics were conducted during the previous academic year. A glimpse of the same have been shown below:



INDUSTRY CONNECT

Industry and academia meet under the umbrella of Industry Connect. A glimpse of all those events has been shown below:

AMITY UNIVERSITY
AMITY SCHOOL OF ENGINEERING AND TECHNOLOGY
Department of Computer Science & Engineering
Organizes
Workshop
on
"Dev Ops"
18th, March 2021
Time: 8:30 AM
MS-Team Code: ef2ctdu
Industry Speaker
Mr. ANKIT
Software Developer
Quick scale Consultants
Faculty Coodinator : Dr. Richa Tiwari

Amity School of Engineering and Technology
Department of Computer Science & Engineering
Presents Industry Webinar On
Linux Network Administration
GUEST SPEAKER
Mr. Vishnu Mishra
Automation Architect
Mission Critical Apps PDU
Ericsson
Moderator:
Prof. (Dr.) Sanjeev Thakur
Faculty Coordinators:
Dr. Ashok Kumar Yadav
Mr. Amrit Nath Thulal
Student Coordinator:
Mr. Arshad Khan
29th October, 2021
03:15 pm
MS Team Code : fmoe5zo

AMITY UNIVERSITY
AMITY SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
INDUSTRY GUEST
LECTURE
" Industry expectations form CSE graduate "
GUEST
Mr. Eishwak Sengupta
Digital Performace Strategist
Groundwork
Date: 29 October, 2021
Time: 2pm onwards
Teams Link: bit.ly/3pOMKC4
FACULTY CO-ORDINATORS
Dr. Garima Aggarwal
Associate Professor
CSE Department, ASET
Dr. Anant Jaiswal
Assistant Professor
CSE Department, ASET
Dr. Sumita Gupta
Assistant Professor
CSE Department, ASET
Teams Code: ec4ia06

AMITY UNIVERSITY
AMITY SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
INDUSTRY GUEST
LECTURE
Dark Side of Social Media and Criminal Investigation
GUEST
Mr. Amit Dubey
Author & National Security Expert
09 September, 2021
11:15 to 12:15
FACULTY COORDINATOR
Ms. Swati Singal
Asst. Professor
Department of Computer Science & Engineering
Amity School of Engineering & Technology
STUDENT COORDINATOR
Debopriya - +91 6200 114 415
TEAM CODE : 3f1v4fo

www.amity.edu
AMITY SCHOOL OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF CSE
NETWORKING AND CLOUD COMPUTING RESEARCH GROUP PRESENTS
CLOUD COMPUTING WORKSHOP
Develop And Deploy Full Stack Application
To Cloud Using Microsoft Azure
ESTEEMED SPEAKER
Mr. Viswanathan Swamy
Associate Architect, AIS.
C# Corner MVP
THURSDAY, 18TH FEBRUARY 2021 | 3:00 PM TO 4:00 PM
FACILITATOR: DR. ACHYUT SHANKAR | COORDINATOR: DR DOLLY SHARMA
STUDENT COORDINATOR: ARSHAD KHAN (+918929422558)
REGISTER NOW - http://bit.ly/asetcloud

AMITY UNIVERSITY
AMITY SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
WORKSHOP
ON
"MICROSOFT AZURE FUNDAMENTALS"
DAY 1 - 18th Feb 2021
2:00 PM to 6:00 PM
DAY 2 - 20th Feb 2021
10:00 AM to 2:00 PM
INSTRUCTOR
Mr. Mohit Kakkar
Corporate Trainer, Koenig Solutions
Microsoft Certified Professional
PERKS (ONLY FOR FIRST 100 REGISTERED PARTICIPANTS) -
AZURE PASS (USD 100) TO DO HANDS ON LABS.
MICROSOFT PARTICIPATION CERTIFICATE.
Microsoft Team Code :- w7aq3pv
Register at https://bit.ly/2OC6Bnc

VALUE ADDED SESSIONS

ALUMNI CONNECT

Alumni Forum for Internship / Placement Guidance on held on 16th September 2021. Alumni Entrepreneur Forum on “Entrepreneurship with New Age Technologies” on held 7th September 2021. Alumni lecture on “Let’s talk JavaScript” was held on 26th August 2021. These lectures were attended by more than 350 students.

ALUMNI AWARDS

Following alumni were awarded as Young IT Achievers:

- **Mr. Piyush Arora,** Senior Interaction Designer, Google, USA
- **Ms. Saniya Sahdev,** Senior Technology Consultant, Ernst & Young, USA
- **Ms. Katha Chanda,** Software Engineer, Microsoft, USA
- **Ms. Shreya Sahani,** Software Development Engineer, Amazon, USA
- **Mr. Shivang Kumar,** Operations Lead, ANZ, Melbourne, Australia
- **Mr. Mihir Sardana,** Analyst, Goldman Sachs, USA
- **Mr. Karan Raizada,** Amazon, Canada

FDP ORGANISED

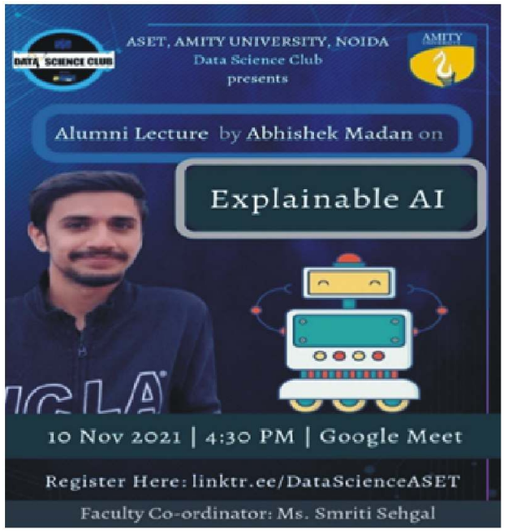
An FDP was organised for students and faculty members on CompTIA Security and Training. A glance of the same has been shown below:

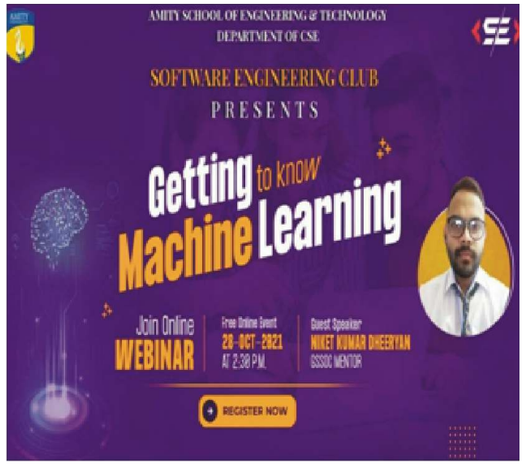
CLUB ACTIVITIES

CSE Department has the following clubs:

- Cloud Security Club
- Software Engineering Club
- Artificial Intelligence Club
- Alias Club
- Data Science Club

Various events were organized under the clubs on regular basis. They are as shown below:





AMITY SCHOOL OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF CSE
SOFTWARE ENGINEERING CLUB
PRESENTS
TIME
2:30 P.M.
SPEAKER
BIKIRON BORA
TOPIC
UX/UI DESIGN
DATE
26th AUGUST
INSTAGRAM
se.club_

Newton School
Coders Assemble!
presents
GRAND CODING CONTEST
Cash and Gift Prizes worth Rs 5Lakhs
• Prizes for 1500+ participants
• Exciting gifts like Amazon Echo, HomePod mini, ergonomic Keyboards to people answer at least one question correctly
• Direct Entry to Newton School for top 500 students
• Direct Job Opportunities
FREE REGISTRATION
30,000+ registrations!
What are you waiting for?

AMITY SCHOOL OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF CSE
SOFTWARE ENGINEERING CLUB
PRESENTS
ROADMAP
TO CODING &
WEB DEVELOPMENT
By - Mr. Praveen Kumar Purushothaman
25th September - 04:00 pm
On ZOOM
For More Information Contact:
Jasmine: 81304 17505
Manav Asija: 88601 07800
Ankit Goyal: 99105 70523

AMITY SCHOOL OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF CSE
Presents
Hacktober fest 21
Speakers:
Mr. Vinit Shahdeo
Mr. Dev Valecha
Mr. Aman Kumar
30th September - 2:30 pm
@se.club
/amity_seclub

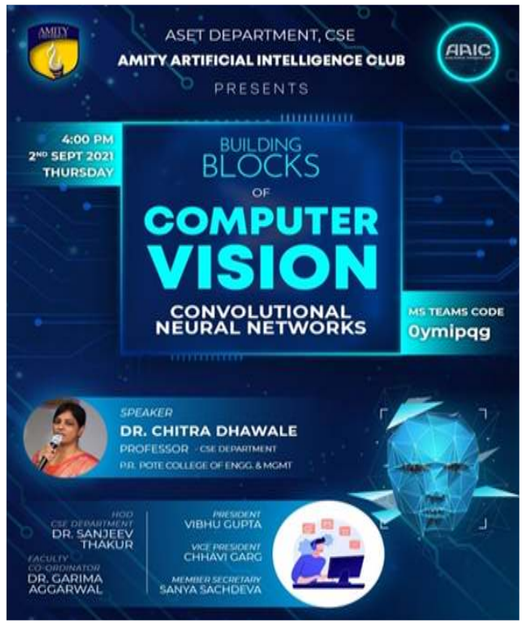
2021
Hacktober fest
Contributing to
Android Open Source
Make your first Pull Request on GitHub & earn a limited edition T-Shirt
Date: 7th Oct, 2021
Time: 2:30 PM
Teams Code: jg73e8w
Queries:
Vidhi - 9654392065
Siddharth - 7009924902
Faculty Coordinator
ASET ALIAS:
Dr. Shilpi Sharma
DigitalOcean
appwrite
intel
deepsource

ALiAS presents
Talk on React Native and JS
Build your first web app and cross - platform mobile aplication using react js and react native
Date: 30 January 2021
Time: 12:30 - 2:30
MS Teams Code: jg73e8w
FOR QUERIES:
Vidhi - (9654392065)
Sid - (7009924902)

ALIAS
PRESENTS
#AMA SESSION
ASK ME ANYTHING!!!
PERCONA
Google Summer of Code
LIVE AND INTERACTIVE
Speaker :
• Puneet Kala
(Org Admin)
8th March, 2021
TIMING-6 PM
Register At:
https://bit.ly/gsoc-21
Contacts:
Chinmaya - (9873526069)
Siddharth-(7009924902)
For more refer to

AMITY ARTIFICIAL INTELLIGENCE CLUB
PRESENTS
AI & ML
WHAT? WHY? HOW?
Mr. SANJEEV TRIPATHI
HEAD OF AI @ FIS CLOUDS
AUGUST 26
1:30 PM IST
MS TEAMS LINK:
bit.ly/amity_ai_club
CONTACT
Dr. GARIMA AGGARWAL
VIBHU GUPTA
CHHAVI GARG
SANYA SACHDEVA

CISCO
Amity School of Engineering & Technology
CSE DEPARTMENT
AMITY ARTIFICIAL INTELLIGENCE CLUB
PRESENTS
INTRODUCTION
TO
NATURAL
LANGUAGE
PROCESSING
MS Teams Code - Oymipqg
05:00 PM onwards
11 November 2021
Dr. Garima Aggarwal
Faculty Co-ordinator
(Prof.) Dr. Sanjeev Thakur
HoD, CSE Department
Vinodhini R.
Senior Data Scientist, CISCO
For Queries reach below:
Vibhu Gupta (President) - 9312442563
Chhavi Garg (Vice President) - 7678158081
Sanya Sachdeva (Member Secretary) - 9971105376

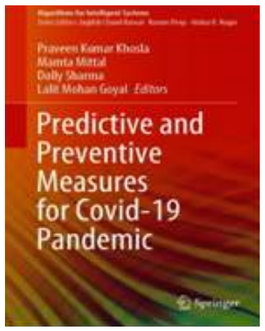

ASET DEPARTMENT, CSE
AMITY ARTIFICIAL INTELLIGENCE CLUB
PRESENTS
4:00 PM
2ND SEPT 2021
THURSDAY
BUILDING BLOCKS OF
COMPUTER VISION
CONVOLUTIONAL NEURAL NETWORKS
MS TEAMS CODE
Oymipqg
SPEAKER
DR. CHITRA DHAWALE
PROFESSOR - CSE DEPARTMENT
P.R. POTE COLLEGE OF ENGG. & MGMT
HOD
CSE DEPARTMENT
DR. SANJEEV THAKUR
FACULTY CO-ORDINATOR
DR. GARIMA AGGARWAL
PRESIDENT
VIBHU GUPTA
VICE PRESIDENT
CHHAVI GARG
MEMBER SECRETARY
SANYA SACHDEVA

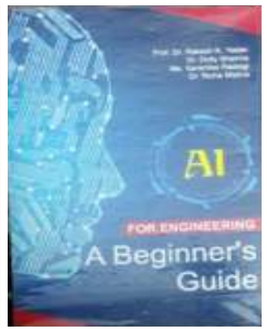
FACULTY CORNER

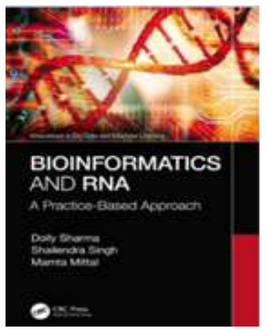
Awards & Achievements

- Dr. Achyut Shankar is serving as an Associate Editor in Journal of Intelligent and Fuzzy Systems (SCIE, IOS Press) & SN applied sciences (SCOPUS & ESCI, Springer) and Guest Editor in International Journal of System Assurance Engineering and Managementhttps://www.springer.com/journal/13198/updates/18724778 [ESCI Journal]
- Dr. Achyut Shankar is serving as reviewer of IEEE Transactions on Intelligent Transportation Systems, IEEE Sensors Journal, IEEE Internet of Things Journal, ACM Transactions on Asian and Low-Resource Language Information Processing and other prestigious conferences
- Dr. Pooja Singh, CSE Department, ASET-Noida, was awarded as Best Faculty Award 2020-21, Recognized & Licensed by Ministry of Corporate Affairs Government of India, under section-8 by All India Eminent Faculty Council of Engineering, Management & Technology.
- Ms. Smriti Sehgal completed 6 weeks training on “Data Science using Python” from Intershala Training.
- Dr. Dolly Sharma delivered a webinar on "Unleashing Machine Learning and Cloud Computing" on 19th May 2020 through GoogleMeet to Holy Cross College (Autonomous) Affiliated to Bharathidasan University, Nationally Accredited (4th Cycle) with 'A++' Grade (CGPA 3.75/4) by NAAC, Tiruchirappalli. 200 Faculties from various institutes joined.
- Dr. Achyut Shankar was session chair in International Conclave “AIE 2021- AI at the Edge: The Next Generation of Data Processing” and IEEE International Conference on Computing, Communication, and Intelligent Systems (Co-Sponsored by IEEE).
- Dr. Shilpi Sharma completed FDP- Wipro - TalentNext - 2021 - WCF Training - Wipro Certified Faculty training program and got trained on Wipro’s Project Based Learning framework in Java-J2EE and Python from 04-10-2021 to 22-10-2021
- Dr. Dolly Sharma completed FDP Advanced Excel with Data Visualization organised by E & ICT Academy, IIT Kanpur from 5th Jul 2021 to 10th Jul 2021
- Dr. Dolly Sharma chaired a session on “Industry 4.0: Challenges and Applications” in International Conference on Futuristic Sustainable Energy & Technology-2021.
- Dr. Madhulika filed a patent “Late Blight Diagnosis in Agricultural Land by IOT Based System" in Oct 2021.
- Dr. Dolly Sharma filed two Patents “A urine collector system with a patient data collector wearable device” and “A wearable head mounted assembly for conducting an online exam” filed with Amity University as applicant.
- Dr. Shilpi Sharma filed a patent application filed 'A System for Audio Expression of Text Characteristics’.

Books published







- Dr. Madhulika published a book “Diagnostic Applications of Health Intelligence and Surveillance Systems (Advances in Medical Technologies and Clinical Practice) 1st Edition” in January 2021.
- Dr. Dolly Sharma published one Book on "Predictive and Preventive Measures for COVID-19 Pandemic" Published by Springer Singapore, Jan 2021.
- Dr. Achyut Shankar edited a book titled "Exploratory Data Analytics for Healthcare (Innovations in Big Data and Machine Learning)" edited by R. Lakshmana Kumar (Editor), R. Indrakumari (Editor), B. Balamurugan (Editor), Achyut Shankar (Editor), Year Dec 2021
- Dr. Dolly Sharma published Book (Text Book) on “AI FOR ENGINEERING: A Beginner’s Guide”, JBC Publishers, Jul 2021.
- Dr. Dolly Sharma published Book "Bioinformatics and RNA: A Practice Based Approach" CRC Press, Taylor and Francis.

LIGHT CORNER

How do your engineering stream can be propose a solution that can help humanity at the time of COVID'19?

- The new coronavirus behind the pandemic causes a respiratory infection called COVID-19.
- Estimates so far show that about 6% of people who have Covid 19 get critically sick and about 1 in 4 of them may need a ventilator to help them breathe.
- Ventilator is a machine that helps to take breathe. Its a mechanical process to help pumping oxygen into body.
- Our Engineering streams can provide their services and help to manufacture more ventilator which are very much in need at this present situation.
- Times have changed and because people are very much afraid nowadays it has become mandatory to people to help the humanity to save others by their experiences in respective fields.

- We can also manufacture Robots in our institutions to engage them to Hospitals or homes to look after patients those are isolated.
- ABB Ltd, Switzerland based technology has come out with an idea to manufacture service robots in China, can be used in healthcare sectors in the post pandemic era.
- Today everyone is facing problem to provide required services to the patients and avoid togo near the patients due to infection. But a robot can do the same. Robots all consist of some sort of mechanical construction. The mechanical aspect of a robot helps it complete task in the present environment. Robots job to perform the task longer, faster and more efficiently than a human.
- Robots can also protect the high risk of spread.
- Most of the Countries are affected and Doctors, Scientists are doing their research to come out with a vaccine but it may takes time.
- In the meantime, we need to protect ourselves by using masks, to maintain social distancing's and sanitizers to wash our hands.

- Dr. Shilpi Sharma

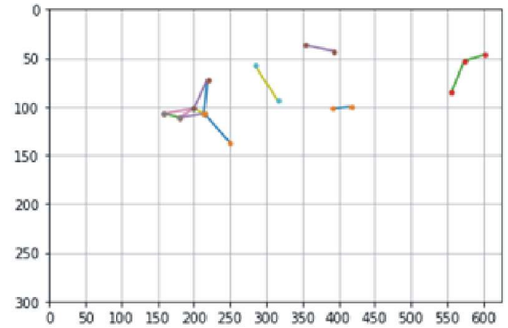
TECH CORNER

Utilizing Deep Learning & Yolo V4 for Social Distance monitoring

COVID-19 is a major pandemic that has caused hundreds of thousands of deaths and affected millions of people worldwide. Social distancing has proven to be an effective preventive action to stop the spread. But it has been noted that it's not followed properly. So, an intelligent system has been developed for surveillance of public places to enforce social distancing especially for prevention of Covid-19 spread by maintaining the minimum prescribed distance among individuals. The system use 'You Only Look Once' object detection technique for detection of the individuals which are there in the scene and calculate the distance among them. The individuals that are standing too close to each other are then counted and marked using audio-visual cues and given as output to the monitoring staff. This data is then stored to be used for prediction of future violations.The number of COVID-19 cases was thought to have passed the peak, but a second wave has been observed throughout the world. Many countries which thought to be COVID free are also experiencing new cases. So, its high time to enforce strict social distancing norms along with other practices to prevent the spread of this deadly virus. The social distancing detector system presented here can prove to be a major tool in maintaining social distancing in public places. The system presented through this make use of YOLO V4 deep learning-based model and computer vision to achieve the results. The system was able to accurately detect and count the total number of social distancing violations. This data would be used by concerned authorities for making policies.

The system being implemented can serve to get the required data for social distancing violations which can be used for making policies and directly prevent the spread of COVID-19 virus itself. This system has been designed for maintaining social distancing in public places like schools, universities, offices, airports, supermarkets, hospitals, shopping malls, movie theatres, concerts, hotels, restaurants, gymnasiums, etc.

This system is especially been designed to prevent the spread of COVID-19 but it has some more applications post COVID-19 times from security point of view in similar applications. This can also be used in designing anti-cheat systems for offline examinations, in banks and ATM queues to prevent gunpoint robbery, prevention of riots by stopping people from standing close to each other, etc. The speed of the system can further be increased by using better hardware and optimizing the model further by changing the model structure of different layers of CNN.



Positions of people violating social distancing on the cartesian plane for frame.

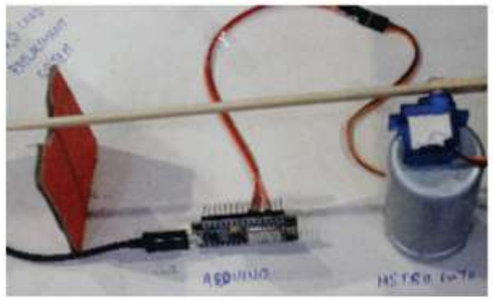
Dr. Madhulika Bhadauria
Associate Professor

Prof. (Dr.) Abhay Bansal
Joint Head, Amity School of Engineering & Technology
Director, International Collaboration for Engineering & Technology

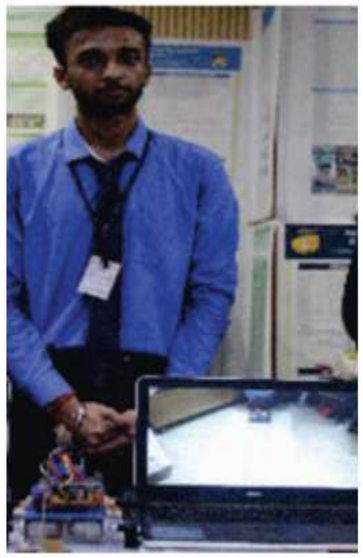
STUDENTS' CORNER

Student Innovations

- An innovative device "Metro card Replacement system" by Mr. Priyakant Bhardwaj of B.Tech Computer Science and Engineering. The web application will provide all the necessary data about travel and transactions and when linked with IoT model, it will work as digital metro card, making everything hassle free.



- A project titled “Elderly Care System with smart homes” by Mr. UtkarshJain ofB.Tech Computer Science and Engineering. This project will lead to better quality of living for the elderly people which would indeed result in increase in happiness within the family.
- A project on “Smart Agriculture and Agronomy using IOT” by Mr. Ishan Saini of B.Tech Computer Science and Engineering. This system is designed for helping farmers in upgrading their technological concepts of IoT to generate better produce.
- An innovative device “Self-Driving Vehicle using Artificial Intelligence” by Mr. Sahil Gupta of B.Tech Computer Science and Engineering. The project applies concepts of Artificial Intelligence to implement a Self-Driving Vehicle.



Student Publications

Students have published more than 35 papers under the guidance of faculty members. Few SCI indexed quality publications have been shown below:

- Chakraborty A., Jindal M., Mohammad R. K., Singh P., Shankar A., Diwakar, M., "A Secure IoT-Based Cloud Platform Selection Using Entropy Distance Approach and Fuzzy Set Theory", Wireless Communications and Mobile Computing, vol. 2021.
- Sengupta, E., Nagpal, R., Mehrotra, D., & Srivastava, G. (2021). ProBlock: a novel approach for fake news detection. Cluster Computing, 1-17 (in process).
- Mehrotra, D., Srivastava, R., Nagpal, R., & Nagpal, D. Multiclass classification of mobile applications as per energy consumption. Journal of King Saud University-Computer and Information Sciences,33(6), 719-727, 2021.

Student Entrepreneurs

- **Mr. Ashish Anand, Mr. Falguni Pandit, Mr. Abhishek Bhattacharya** started “Whrrl”.
- **Mr. Devansh Chopra** was founder of “Sorditcon Pvt. Ltd.”
- **Mr. Adarsh Vardhan** started company “Blue Stackancy”
- **Dr. Siddhant Satija** founded company “Digital Media RBEF”
- **Anuvrat Parashar** was the Founder of “Essentia SoftServ LLP”

Student Awards

- **Aditya Oberai,** A2305218017, B.Tech CSE (2018-22) participated and won the Microsoft Imagine Cup 2021 National Winner - Education category.
- **B.Tech (CSE) Student** got 1 Year IET Membership for event IET Prize Nominations 2021 .
- **7 B.Tech (CSE)** (6 in 2021+1 Students in 2022) Selected in Google Summer of Code Programme.
- **Aditya Oberai,** A2305218017, B.Tech CSE (2018-22) participated and wWon the Microsoft Visual Studio Code Hackathon as Best Overall Winner.
- **Priyanshu Singhal,** B.Tech (CSE) (2016-20) got an placement offer in VALUELABS/Unicommerce eSolutions as Software Engineer with Salary Package (16 LPA)

PLACEMENTS

Major Recruiters of 2021 Batch

- The major recruiters of 2021 batch are cognizant (215 students), Accenture (144 students), DXC (146 students), Capgemini (137 students), IBM (85 students), EY (48 students), Shell 74 students), TCS (52 students), Hanu (50 students), PayTM- 37 and CISCO (5 students).

PLACEMENT ACHIEVERS

Ayush Agarwal
B.Tech 8 CSE 8Y
A2305216567
2016 – 2020

My four years at Amity have indeed been a captivating journey just like a fresher imagines a college life to be. Be it any sphere of learning i.e. academics or extracurricular, I was provided with the endless opportunities which helped me in my overall personality development hence resulting to be an essential asset. The excellent infrastructure provided every possible resource I needed, whether it was a well-equipped library or a sports complex for bursting stress. Amity also financially supported me by offering a 100% scholarship based on my academic merit for the entire duration of my course at the university. International exposure through projects and conferences made my experience even more enriching which eventually added up in my professional growth. During my final year, I was selected for an internship + Full-time role as an Associate Software Engineer at Sabre Corporation, which adds up as a major achievement in my portfolio. My advice to every student would be to remain consistent, determined, and focussed so much so that you put in continuous efforts towards what you want to achieve in life.

Rishabh Shukla
Batch (2016-20)
Placed in Google
CTC: 11.3 LPA

I learned a lot in my time at the University. From cultural clubs to technical events and to international collaboration, everyone gets a lot of exposure and opportunities to grow here.

I am a big admirer of the culture and environment Amity University provides. I found that if a student pushes themselves in learning something and is willing to look for support, they will get a lot of help from the awesome faculty team and other staff members. Also because of continuous support and guidance of Amity University, I was able to get such an opportunity to get a job at Google.

Jigyasa Handa
B.Tech CSE (2016-20)

Amity University has played a vital role in the growth and achievement I have made so far in my life. From supportive professors to perfect work culture of the organisation has helped me reach a platform where i could showcase my talent and skills to organisations like ‘Royal Dutch Shell PLC’ , one of the oil and gas "supermajors" and the third-largest company in the world, and get an opportunity to work as a software IT engineer at a starting package of 10 lakhs in Shell.

Amity also made me practically execute and learn new things and made me inquisitive to research on new, latest topics resulting in me writing a few research and review papers to add on to my knowledge and skills. The credit for my confidence and hardworking spirt goes to my universe- Amity universe.

Vipul Gupta
Working remotely
with London
based company

The dictionary defines superlative as: of the highest kind, quality, or order, surpassing all else, or others. Supreme. The sheer amount of personal, and professional development I have had at Amity University is what I term as 'Supreme'. This institution provided me support, skills, scholarship, guidance at key points throughout my 4-year journey of pursuing my B.Tech degree. Whether that would be for sponsoring me at prestigious international hackathons like HackMIT to supporting me for attending international conferences like PyCon US and Mozfest. I am grateful for the positive initiatives and opportunities provided by Amity Univesity for students to promote excellence in every field. Moreover, leading the ALiAS community and running the successful GSoC AMA program gave me a chance to grow as a leader and help spearhead open-source culture at Amity University. During my summer internships, I contributed to many open-source projects with Google Summer of Code as well as built technical projects for clients as a freelancer, polishing my soft skills by working with the communities in Delhi-NCR.

In the end, all efforts lead to fruition, as I received offers from highly acclaimed MNC's and startups such as Google, TravisCI, and Accenture. I accepted an offer and started working remotely as a software engineer at Balena along with working on my own initiative, Mixster to build better documentation for startups. Looking back, I feel lost for words to thank my teachers, mentors, peers, and ALiAS family at Amity University who played a major role in helping me where I am right now both as a professional and as a better human being.

Swati Singh
B.Tech-CSE (2016-20)
Cisco Systems
16.3 LPA +
Additional Benefits

Amity University provides a platform not only for intensive professional development but also for our rigorous personal development. The courses that I took, be it, core-tech classes, foreign language, or behavioral classes, collectively played a crucial in my journey of becoming a passionate tech enthusiast. I am extremely thankful to my HOD Prof. Abhay Bansal for supporting me when I traveled to San Jose for a hackathon. This goes to show how Amity is leaving no stone unturned in motivating students to achieve their goals, whatever that may be. At Amity, students are encouraged to expand their horizons, explore global opportunities, and become the leaders of today.

I am glad to tell you that I have accepted an offer from Cisco as an Associate Solutions Engineer. Thank you to Amity and everybody else who supported me throughout the process!

INTERNATIONAL EXPOSURE TO STUDENTS

Tushar Singh Manchanda
B. Tech - CSE (2017-2021)
International Exposure: BRICS Educational Internship Programme
Far Eastern Federal University, Vladivostok, Russia

Before joining Amity, I was well aware about the immense pool of opportunities this university offered to its students. Being able to grab one was surreal for me. BRICS Educational Internship Programme was one of a kind. This internship was on scholarship basis with vacancy of just 25 students from all over India and offered multiple courses to choose from. I knew it was very difficult for me to actually get selected for this, but I believed in myself and participated in the selection process. On receiving my selection letter, I was over the moon but also in a state of disbelief. I never knew that I had it in me to actually achieve such a big milestone. From here, my journey of making new friends, learning new concepts and great international exposure began. I was selected for the portfolio of International Business and Project Management. Coming from a technical background, it was a new challenge/experience for me to gain expertise in this profile.

We were assisted by Dr. Manoj Sharma Sir at each and every step of our journey. Before embarking on this international voyage, Prof. Dr. Abhay Bansal Sir and Dr. Garima Aggarwal Ma'am helped us clear all our doubts and kept us motivated. They were kind enough to spare out time from their busy schedule to help us prepare for the challenges we would be facing. Without the assistance of our faculty, it would've been a struggle for us.

In the internship, I got the opportunity to connect with the people from different parts of the world like Russia, South Africa and Brazil (to name a few). Due to the unprecedented times amid the COVID-19 pandemic, the students from China were not able to join us physically but thanks to technology, we were virtually connected to each other. I studied subjects like International Marketing and Corporate Finance, participated in events like MUN and BRICS Dialogue, travelled across the city of Vladivostok trying different cuisines and exploring the culture and people. This internship was a dream come true for me.

Last but not the least, I would like to again thank Prof. Dr. Abhay Bansal Sir, Dr. Manoj Sharma Sir, Dr. Garima Aggarwal Ma'am and our faculty for their constant support throughout our internship period. I would also advice all the students to actively seek out life changing opportunities like this and always believe in yourself!

RESEARCH@CSE

More than 500 papers are published by CSE faculty members in international journal and scopus indexed conferences.

Dr. Rakesh Kumar Garg has published a paper "Decision Support System for Evaluation and Ranking of Robots Using Hybrid Approach" in Journal IEEE Transactions on Engineering Management having Impact Factor: 6.146.

UPCOMING EVENT

DEPARTMENT OF CIVIL ENGINEERING

Prof. (Dr.) R.K. Tomar
HoD, Dept. of
Civil Engineering
Amity School of
Engineering
& Technology

It gives me immense pleasure to welcome the Amity fraternity to the Civil Engineering department's newsletter. I am glad to share some of the wonderful news from Amity School of Engineering & Technology's Department of Civil Engineering in the last few months or years. It allows pupils to get a thorough knowledge and grasp of subjects. It attempts to instill values such as basic engineering, scientific, computer, mathematical, communication skill, and management approaches, as well as the capacity to apply basic problem-solving strategies. In this period of less mobility, the momentum of the holistic development of our students has gained impetus through a series of webinars conducted by renowned researchers, industry leaders, and faculty members.

The department of Civil Engineering with its multifaceted faculties has a strong connection to the industry that very often engages with our students for counseling. 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.

HAPPENINGS@DEPARTMENT

- FDPs conducted on Software and advancement in construction sector based on the topics “Recent Advances in Construction Management” and “Software Application in Civil Engineering” approached sustainable building Structures and opportunity for creating a relationship management and construction.
- This academic year the students experienced great internship opportunities provided by renowned companies like L&T, JMC Projects, Polyplex Hydra, BIRJA Constructions LLP were among others. The students worked on live projects and gained knowledge and practical implications of studies matters, notable tasks were completed by students to understand the working of the plants along with site management for Hydropower Plant Operation and Maintenance. Other than these companies’ students have undertaken internships in DMRC, MP Jal Board, and other significant bodies of construction regimes under the different state government bodies. Even during the Covid times with the highest level of precautions the zeal to learn among students remained high and they strived towards learning and exploring the practical field of civil engineering.
- Digitalization fetched new talent needed in the emerging world due to the pandemic pause and expectations of the changes too. An alumni meet held on 17th Apr, 2021 met the objectives to adapt to new technology roles and develop new skills with enclosed 113 Alumni. The intriguing discussion and questionnaire amended the students towards the motivational technical support.

Award Name: Amity Alumni Achiever Award for Outstanding Contribution to Alma Mater **Awardee Name:** Mr. Vivek Garg	**Award Name:** Amity Alumni Achiever Award for Outstanding Entrepreneurship **Awardee Name:** Mr. Piyush Kumar Chauhan	**Award Name:** Amity Alumni Achiever Award for Corporate Excellence **Awardee Name:** Mr. Utkarsh Singh

- Graduating through Learning with pleasure finally to a pivotal time of expressing Convocation in hybrid mode

ACHIEVEMENTS/MILESTONES

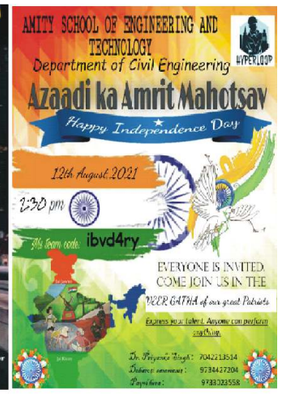
Students' Achivement

Students participated in the Noida Police Road safety Program during the Road Safety Awareness week and won Award for Esteemed Contribution in implementing iSAFE UP by establishing Road Safety Club.

- Ms. Mrignayani Chandra of M.Tech (Env. Engg), Department of Civil Engineering, ASET is among the 20 selected students at national level for Thesis Competition (Season 2) by National Mission of Clean Ganga.

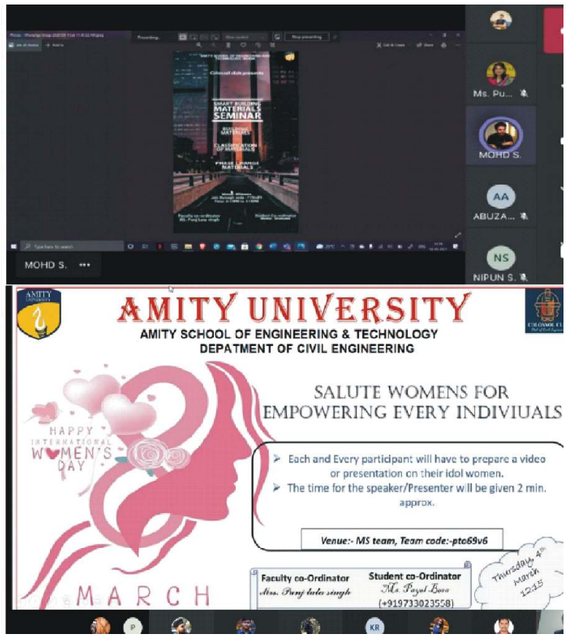
Club Activities

The clubs of the Civil Engineering Department have conducted several events, online seminars along with workshops and have also gone to the lengths of conducting the cultural event on the eve of Independence Day 2021. The industry – oriented lectures certainly have impressed its students and participants about the wide scope of civil engineering and related domains.



The online debate competition was organized by the Colossal Club of Civil Engineering Department of Amity School of Engineering and Technology. The event was organized by faculty coordinator Mrs. Punj Lata Singh along with coordinators of Colossal Club. The session was an interactive one with students' counters pointing to their opponent's points that lived up to the true spirit of the debating event. The event was successfully acknowledged by its participants that showcased how well-acquainted students are informed about political and global affairs or provided a venue for students to train for debate competitions with a local school, or at a national level.

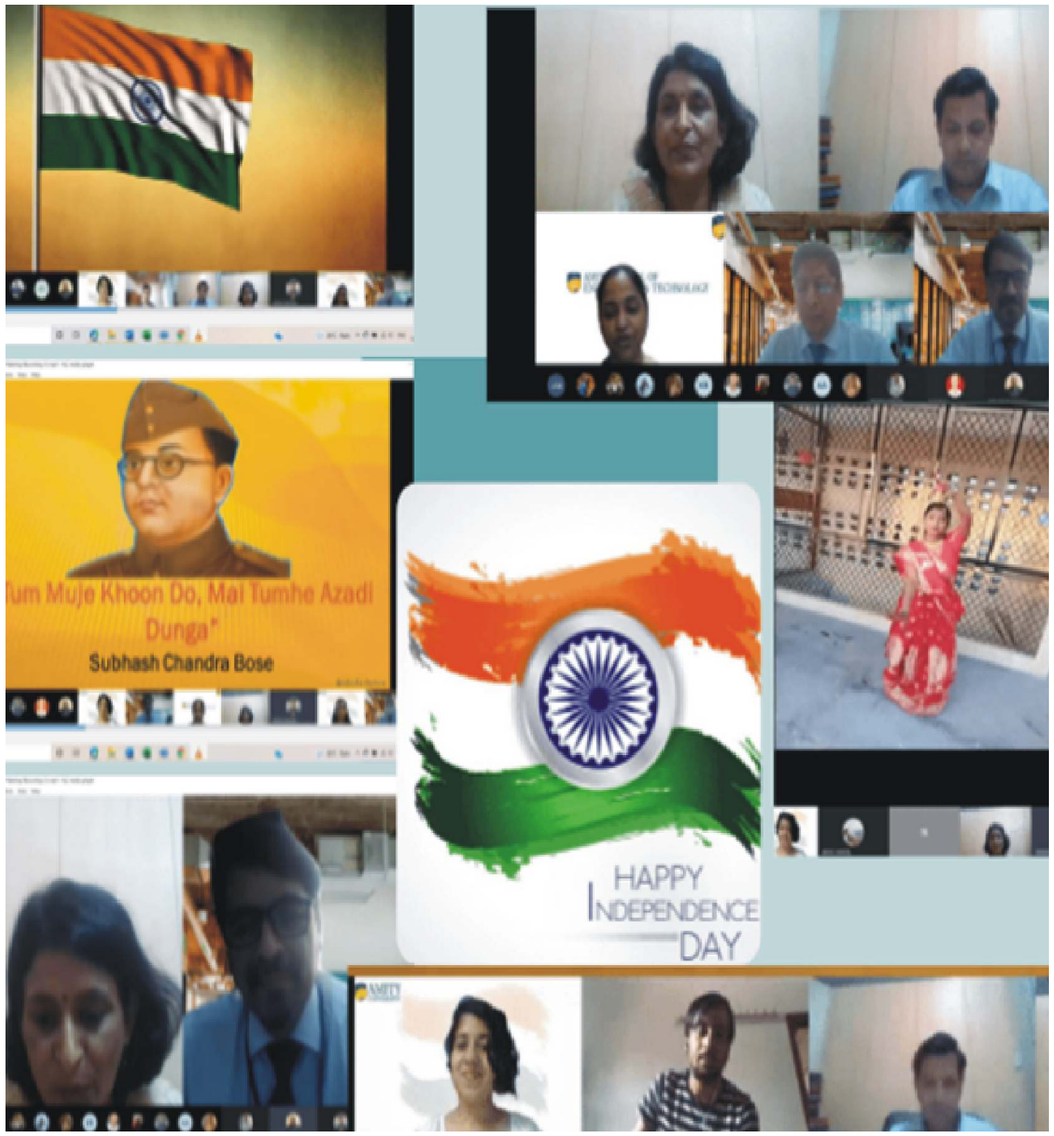
Another interesting event conducted at the department was the smart building materials seminar that was organized by the members of the Colossal club that targeted the junior students to motivate towards their understanding of smart materials and modern construction materials that plays the major attention grabber of study base at present times. The seminar was n interactive one with a two-way discussion between the panelists and the audience that helped get a clearer understanding of building materials.



The organizing team of the Hyperloop Club invited the dignitaries, participants, and students to the MS-team platform, to commence the program "Azadi ka Amrit Mahotsav" with Lord's Grace. The occasion was graced by the presence of our Joint Heads of Amity School of Engineering and Technology, Prof. Dr. Abhay Bansal and Prof. Dr. M.K. Pandey, the occasion was graced by their insightful motivation to the students, to the leaders of tomorrow. Followed by this we had our beloved HoD sir, Dr. R. K. Tomar who motivated students towards nation-building, followed by Dr. Madhuri Kumari, Deputy Director, CRC.

Photographs of the event

Students participated in the Noida Police Road safety Program during the Road Safety Awareness week and won Award for Esteemed Contribution in implementing iSAFE UP by establishing Road Safety Club.



Social Activities of Students

Activities for Human Values Quarter Outreach has seen the active participation of students, also the philanthropic initiatives taken by students by contributing towards the social betterment by distributing foods, clothes, giving online classes to students at the local schools via the NGOs's gives the bright insight about the shining tomorrow of the budding talents of the departmentThe influence on the community is one of the most well-known advantages of volunteering. Unpaid volunteers are frequently the ties that bind a community together. Volunteering helps you to connect with your community and help it to improve. Even the tiniest actions may make a significant difference in the lives of people, animals, and organizations in need. And volunteering has a two-way advantage: it may assist you and your family as well as the cause you choose to support. Volunteering helps to meet new people, build existing networks, and improve overall social skills.

FACULTY CORNER

Research and Publications

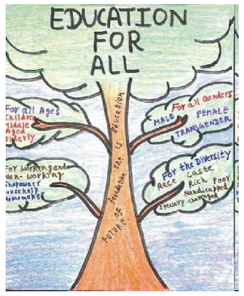
- Faculty members presented their research work through 8 research papers in esteemed Journals, 20 research papers in conference and 30 paper in book chapters.
- Ms. Punj Lata Singh has the research interest in the area of Optimization Technique. The faculty has recently published a SCI research paper titled “Can Industry 5.0 revolutionize the wave of resilience and social value creation? A multi-criteria framework to analyze enablers in Journal "Technology in Society" Elsevier Publisher.
- Ms. Punj Lata Singh has published a book entitled as “Multi-Criteria Decision Modelling: Applicational Techniques, and Case Studies”

STUDENTS' CORNER

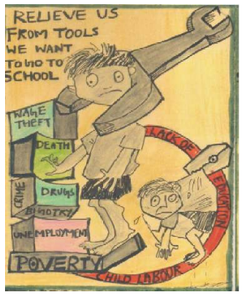
Students here have the rich talents of painting, dancing, debating writing columns that can truly transform a thought process, we have talented students proficient in playing musical instruments that are the show stoppers to every mesmerizing event at Amity. Some glimpses of all of their performances are:

Posters

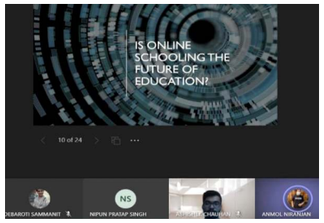
Vekhohu Puro



Anmol Niranjan



Rehaan Ahmad



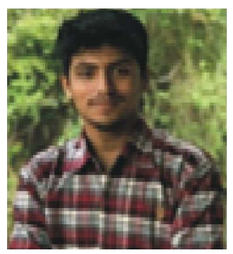
Debate Sessions by Nipun Pratap Singh

Flute performance by Tanmay Mittal

ALUMNI CONNECT

I am Niharika Keswani an alumni of Department of Civil Engineering (2017-21), ASET, Amity University, Noida. My four years at Amity passed in a blur, learning the technical and non technical aspects of the construction industry. The campus is full of limitless opportunities and the all-time support and motivation from the faculty members has enlightened me throughout this wonderful journey and gave me the confidence to face the challenges and turbulence in life.

Niharika Keswani
Department of Civil Engineering (2017-21)

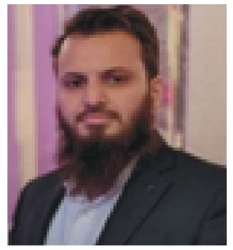


“Amity University, on the whole, has given me a new kind of perspective in life. The environment, classroom and teachers all make it one of the most ideal places for higher technical education. The labs are well quipped, teachers are cooperative and students are high spirited. If you want to see the entire nation at one place, come to Amity University.

Dinesh Rawat
Structural Engineer (2018-2020)

Amity University is committed to the highest standards of educational and other provision for its students. Students here are provided with the platform for both personal as well as professional growth. The years spent here were full of learning opportunities with the right blend of fun and academics. The overall exposure prepares you to face the challenges of the corporate world. The teachers and mentors are supportive and helped me improve my academic and interpersonal skills. My gratitude to faculties and instructors who supported me throughout. I will be forever grateful to Amity University for the journey from college to corporate..

Bhumika Pandey
UltraTech Cement Limited (2017-2021)



Being a part of Amity University in the past and completing my graduation from this organization, I am able to explore and utilise my potentials to the fullest. I was not just guided in my academics but also supported in the journey of life mentally and emotionally to maintain a balance between personal as well as professional life. Later on becoming the part of Welcome Enterprises Pvt. Ltd. I am able to bridge the gap between past Civil Engineering trends and the recent advances and developments in the respected field.

Bilal Parvez
Technical Engineer at Welcome Enterprises Pvt. Ltd.

I, Yamini Pankaj entered my dream branch-Civil Engineering at Amity University with big dreams and no experience. My department helped me gaining not only knowledge and experience but also made me ready for the future. I would like thank all my faculties for their knowledge and guidance that I received in the my time at Amity. I learned a lot through the events I organised and took part in. These events taught me collaboration and helped me explore my creative side. Amity opened doors for new experiences and opportunities for me.

Yamini Pankaj

INTERNATIONAL EXPOSURE

Students exploring Dubai during their SAP Programe

Students pursuing higher studies at eminent Universities

INDUSTRY CONNECT

Speaker Name	Company Name	Topic
Mr. Sahil Singh Deshwal (Director & Founder)	Positrons Construction Pvt. Ltd., New Delhi	Precast Road Construction In India
Prof. (Dr.) J. Bhattacharjee (CEO)	Shyam Designers and Consultant Pvt. Ltd., New Delhi	Emerging issues for Road Construction and Maintenance- A Futuristic View
Mr. Nishant Joshi	Global Scientific Lnc. India (Marketing and Operations Manager)	Modernisation and Capacity Expansion For Ntiem Cetp
Ms. Modita Kulshrestha (Senior Manager)	Engineers India Ltd.	Costing & Estimation
Ms. Shivangi Singh (Design Engineer)	Pollucon Technologies Limited	A design of an economical filter for water treatment
Ms. Humaira Athar (Scientest B)	CSIR-Central Building Research Institute, Roorke	Translucent concrete: An Emerging Green Building Material

The department connected Industrial interface to organise guest lecture in areas of Transportation, structure analysis, construction technology, concrete mixture, water treatment, Costing & Estimation. The few lecture talks fullfill the student's project and internship requirements as follows.

UPCOMING EVENT

The upcoming event at department is TRACE - 2022 and International Lecture Series. The aim of TRACE-2022 is to bring together the national and 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.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Prof. (Dr.) H.P. Singh
HoD, Dept. of Electrical and Electronics Engineering,
Amity School of Engineering & Technology

Greetings to all!

I hope you enjoy reading about the interesting things that have been happening in the Electrical and Electronics Engineering department recently. This discipline is making significant contributions to key issues facing society in areas such as power and energy, networked communications, new inventive materials and technology that enable us to enjoy and see greener, more energy-efficient solutions in our world today.

The interaction between students and professors greatly enriches the educational experience for all. Our department provides students with the opportunities to gain and use knowledge to build successful lives and careers and become an integral part of the community.

Our faculty members provide the students the right balance of theory and practice. We emphasize team work to give opportunity to each student to benefit from the ideas and intelligence of their classmates. My sincere thanks to the management, all my faculty members and all my students for supporting me at every point to keep the department in high esteem.

SOCIAL MEDIA LINK

Departmental website: https://www.amity.edu/aset/departments-eee.asp

Twitter: https://twitter.com/Amity_EEE?t=SWar2LmUXdKvCI8CR6kGRg&s=08

Facebook: https://www.facebook.com/AmityElectricalDepartment/

Linkedin: https://www.linkedin.com/in/amity-eee-939b561a7

Instagram: https://instagram.com/amity_eee?utm_medium=copy_link

HAPPENINGS@DEPARTMENT

International Conference RDCAPE 2022

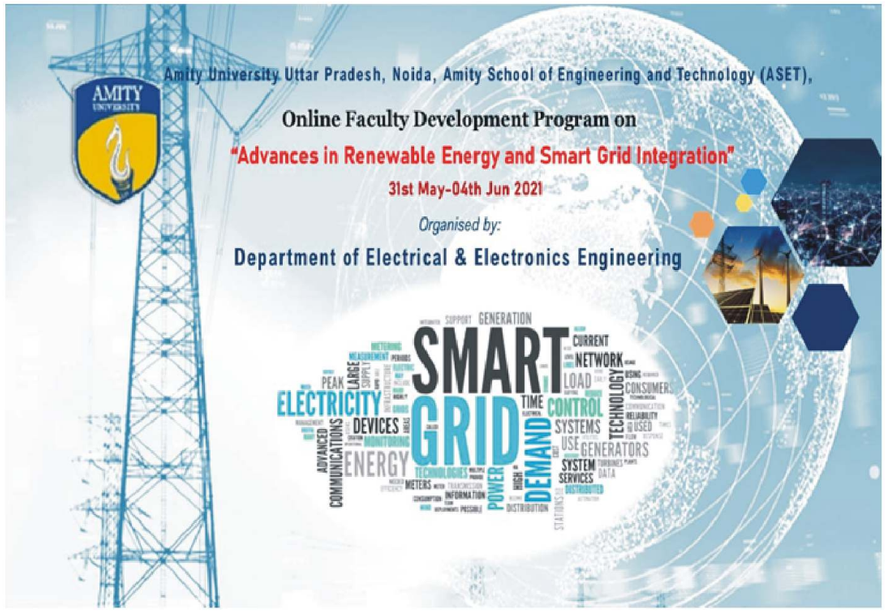
The Department of Electrical and Electronics Engineering, Amity University, Noida organized 4th International Conference on Recent Developments in Control Automation and Power Engineering (RDCAPE 2021) technically co-sponsored by IEEE U.P.Section. The conference held during 7th to 8th October 2021. The conference started with lighting of lamp in the inaugural session on 7th October. The Guest of Honor speeches were delivered by Dr. Ramani Kannan, Department of Electrical and Electronics Engineering, Universiti Teknologi PETRONAS, Malaysia, Dr. S.N.Singh, Professor Department of Electrical and Electronics Engineering, IIT Kanpur and Prof. (Dr.) Asheesh Kumar Singh, Chairperson, IEEE UP Section,. Further, RDCAPE 2021 Souvenir Proceedings was released by the dignitaries.

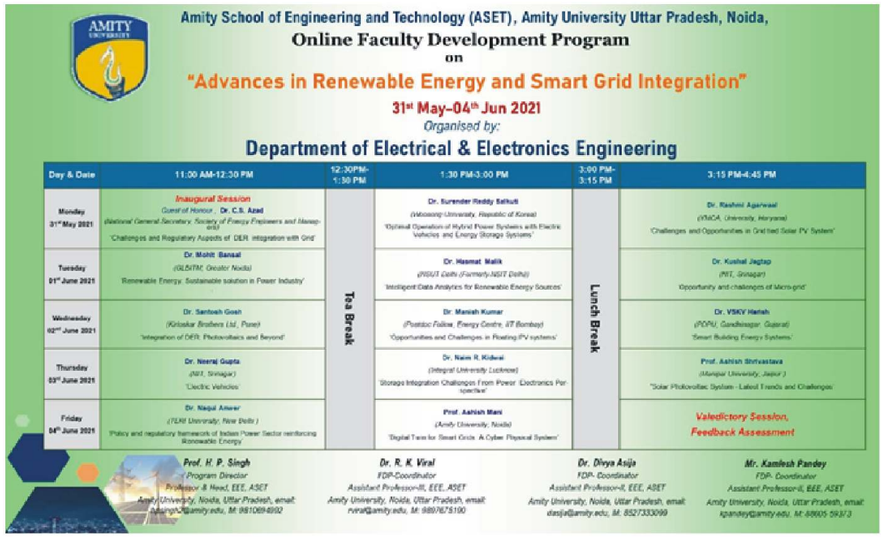
In this conference, 356 papers were submitted. After review process only 128 papers were finally selected for the conference. Over the period of two days on 7th and 8th October, there were 20 technical sessions and 23 keynote talks by various speakers from foreign institutions and gave their expert lectures. On day 1, in all 60 papers were presented in the areas of power system, control system, power electronics renewable energy and other emerging areas of science and technology. Day 2, started with technical sessions in which 68 research papers were presented.

The guest of honours for the valedictory session are Dr. Bhim Singh, National Science Chair and CEA Chair Professor, Department of Electrical Engineering, IIT Delhi, Dr. Mohammad Rihan, Vice Chair-IEEE, U.P.Section, Dr. Mihaela Albu, University Politehnica of Bucharest, Romania, and Prof. Cecilia Metra, Professor & Deputy President Engineering School, University of Bologna, Emilia-Romagna, Italy.

FACULTY DEVELOPMENT PROGRAMME

The Department of Electrical and Electronics Engineering organised a five days faculty development programme from 31st May 2021 to 04th June 2021 on “Advances in Renewable Energy and Smart Grid Integration”. In this programme, people from Industry & Academia experts delivered their talks on MS Teams. The FDP was very useful and there were more than 50 participants in the event.





RESEARCH SEMINARS

There are two research groups in the department of Electrical and Electronics Engineering namely Power System Group and Control System Group.

Date	Research Group/ Department	Topic (s) of the Seminar	Name of Speaker
25.02.2021	Power System	Adaptive Prioritization of a situation-based Power Management for Hybrid Electric Vehicles	Dr. B. Moulik
19.03.2021	Power System	Integration of Vehicle to Grid Technology	Dr. P. Choudekar
25-03-2021	Control System	Artificial Intelligence (AI) for Prognostic Electrical Systems	Mr. Mukul Varshney
25.03.2021	Power System	New advancement in utilization of Electrical Energy	Mr. Kamlesh Pandey
15.04.2021	Control System	Image Processing Applications in Electric Power System	Dr. V. K. Tayal
22.04.2021	Power System	Magnetic Characterization for Transformer Using Nanocomposites	Ms. Eva Gupta (Research Scholar)
13.05.2021	Control System	Development of observer based robust controller for vibration mitigation	Dr. P.M. Tiwari
20.05.2021	Power System	CDM in Small Hydro Power Projects	Dr. R. K. Viral
17.06.2021	Control System	Recent trends in measuring and instrument engineering	Prof. H. P. Singh
24.06.2021	Power System	Distributed Energy Resources and Microgrids	Dr. Divya Asija

RESEARCH HIGHLIGHTS

Research Heads	Faculty Research	Student Research Highlights
International Journals (SCI+ Scopus+WoS)	08	06
International Conferences	34	28
Book Chapters	30	22
Books	01	00
Patents	07	02

FACULTY PUBLICATIONS

- Dr. Vijay Kumar Tayalpublished copyright on “Automatic Chargeable Wallclock Design” on 02-09-2021, Reg. No L-107173/2021.
- Saket Kumar, Rajkumar Viral, V. Deep et al., “Forecasting major impacts of COVID-19 Pandemic in country driven sectors: challenges, lessons, and future roadmap,” Personal and Ubiquitous Computing, Springer Nature, Switzerland, SCI, IF:2.212, Jan 2021. e-ISSN:1617-4917, https://doi.org/10.1007/s00779-021-01530-7, 27 Jan 2021.
- Saket Kumar, and R. K. Viral, “Effect, Challenges and Forecasting of COVID-19 situation in India using ARMA Model,” IEEE Transactions on Computational Social Systems, Vol-8, No.4, pp. 955-963, Jul 2021, https://doi.org/10.1109/TCSS.2021.3059773, ISSN : 2329-924X, IF:2.92.
- Akansha Sharma, H. P. Singh, R. K. Viral, and Naqi Anwar, “Renewable Energy Development in Uttar Pradesh State of India: Status, Technology Options, Challenges, Best Practices and CO2 Mitigation Analysis”, Journal of Energy Systems (JES), official journal for European Conference on Renewable Energy Systems, Erol KURT, DergiPark, Vol. 5 No.2, pp. 92-120, Jun 2021, e-ISSN 2602-2052, https://doi.org/10.30521/jes.816049
- Divya Asija, Pallavi Choudekar, Congestion management using multi-objective hybrid DE-PSO optimization with solar-ess based distributed generation in deregulated power Market, Renewable Energy Focus, Volume 36, 2021, Pages 32-42, Impact factor 4.08, ISSN 1755-0084, https://doi.org/10.1016/j.ref.2020.10.006.

CLUB ACTIVITIES

The department of Electrical and Electronics Engineering has two clubs namely Spark club and Measure club. Some of the club activities are highlighted below.

SPARK CLUB
organised
TECHWIZARD
on
13th March 2021

MEASURE CLUB
organized

Guest lecture on Moving Towards net zero emission on 28th Oct. 2021.

Guest lecture on EV Battery Testing Research and Development on 29th Nov. 2021.

STUDENT ACHIEVEMENTS

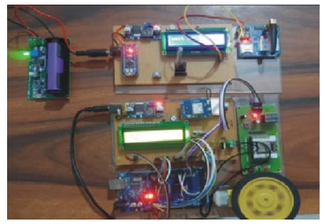
- Mr. Rohan Nandi of B. Tech. - EEE (2019-23) has been selected students for Trident Summer Internship Program in Industry Summer Internship will be during May-June 2022. The stipend offered during the summer internship program - Rs. 50,000 per month.
- Mr. Vivek Mohan Tiwari, B.Tech. Student got selected for the industry internship with DRDO in 2021. He worked on the project “CSTBT - Carrier stored trench gate bipolar transistor”.
- Ms. Rupam Singh, M.Tech student (2014-16) is working as a Post - Doctoral Fellow with the Institute for Intelligent System Technologies , Alpen-Adria Universitat, Klagenfurt , Austria.
- Ms. Bhumica Dutta, B.Tech (E&I) student qualified GATE exam with AIR 406 and got admission in M.tech In IIT Hyderabad.
- Mr. Bibaswan Bose, M.Tech student (2019-21) got selected for PhD in IIT Delhi.

STUDENT PROJECTS

Project means applying your technical knowledge in shaping a real-life object. The skills learnt during their 4 years of engineering life, will be applied in development of any real-life object. Every student needs to make a project that helps not only in making a resume attractive, but gives them an experience of working on skills and technology. Team project helps the students learn different skills like team management skills, communication skills, and time management skills. Projects really can help you in landing in your dream jobs. Some of the good projects developed by the EEE students are:

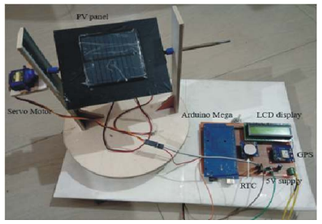
Name of the Project:
Design and implementation of intelligent Speed breaker system for vehicles using IOT

Students involved:
Ishika Chandra
and
Sarah Biswal



Name of the Project:
GPS based Solar Tracking and Power Maximization

Students involved:
Shivam Sharma
and
Manish Kumar



Name of the Project:
GRAVITRICITY: A novel and reliable renewable energy storage system

Students involved:
Pranidhi Kulshrestha
and
Richa Misha

ALUMNI CONNECT

The virtual alumni meet was organised by the Electrical and Electronics Engineering Department. The meet came as an opportunity for the alumni to reconnect with each other after a long time, walk down the memory lane and relive the fond memories of those years of togetherness and friendship. Three students were awarded Amity Alumni Achievers Award for Social Entrepreneurship.

AMITY ALUMNI ACHIEVER AWARD FOR SOCIAL ENTREPRENEURSHIP
during
ONLINE ALUMNI MEET 2021
Theme: Future skills and job roles for industry 4.0 and beyond

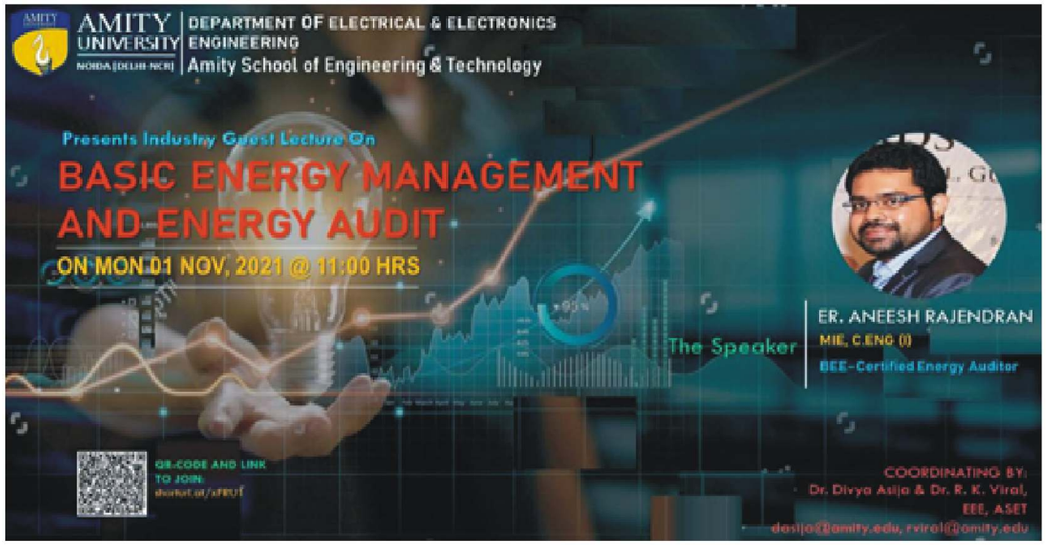
Mr. Kritarth Malhotra
Social Entrepreneur & Seed Investor
Founding Partner, HUM Communities

Mr. Lucky Gautam
Aiistant Manager (Fleet Marketing), Indian Oil Corporation Limited
Founder, Self Reliant India

Mr. Nitin Sharma
Consultant-Economic Development Advisory, KPMG

INDUSTRY CONNECT

Industry Institute Interaction continuously supplied input to better teaching-learning processes, create awareness among the students about the environment of industry, provide real practical knowledge to students and provide self-confidence for students to become an entrepreneur. Industry lectures were organised to give industrial exposure to faculty members and students, thus enabling them to tune their knowledge to cope with the industrial culture.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Dr. J.K. Rai
HoD, Dept. of Electronics and Communication Engineering
Amity School of Engineering & Technology

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 year 2021. It briefly showcases Department's strength in successfully organizing various guest lectures by speakers from Industry, Research Organizations and Academia from India and abroad.

The department has successfully organized 8th International Conference on Signal Processing and Integrated Networks (SPIN-2021) on 26-27 August 2021 technically sponsored by IEEE UP Section.

The department also organized an e-Executive Development Programme for ENGINEERS OF MINDA SILCA ENGG PVT. LTD. on Essentials of Electronics for Manufacturing Industry.

Looking into the future requirement the Department has also started a new programme in B. Tech (Robotics) from the Academic Session 2020-21 onwards and also offers Honours Degree in the field of Robotics, Internet of Things, Artificial Intelligence and ML, Cloud Computing, Data Science and Analytics and Electrical Vehicles.

The department is also proud to share that Bharti Airtel Limited has awarded Excellence awards during Convocation-2021 to our four students namely Mr. Aditya Arora-B. Tech (ECE), Ms. Devica Verma-B. Tech (ECE), Ms. Aanchal Sharma-M.Tech (ECE) and Mr. Vipin Kumar-M. Tech (EST). The excellence award comprised of the Cash Prize of Rs 10,000/- each, a certificate and trophy.

The department has organized technical competitions online even during Lockdown and COVID-19 time period like CODEITWITHDL during Amity Youth Festival, 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. This newsletter also brings some of the research achievements and contribution of faculty in the field of research and innovation.

Our students' extraordinary achievements in different fields have found mention in the newsletter like Ms. Anchal Chauhan, B. Tech (ECE)-2016 Pass out is selected for Civil Services, UPSC and ranked 183, Ms Dheerika Pandey, B.Tech, ECE, Batch 2017-21 Batch launched her new book, "Bookmarked". 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.

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.

SOCIAL MEDIA LINK

- https://www.facebook.com/eceamitynoida
- https://instagram.com/eceamitynoida?utm_medium=copy_link

HAPPENINGS@DEPARTMENT

International Conference on Signal Processing and Integrated Networks (SPIN) 2021

In succession of the International Conferences SPIN-2014, SPIN-2015, SPIN-2016, SPIN 2017, SPIN 2018, SPIN 2019, SPIN 2020, 8th International Conference on Signal Processing and Integrated Networks, SPIN-2021 had been organized by Department of ECE, Amity School of Engineering & Technology, Amity University Uttar Pradesh on 26th – 27th August 2021. 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.

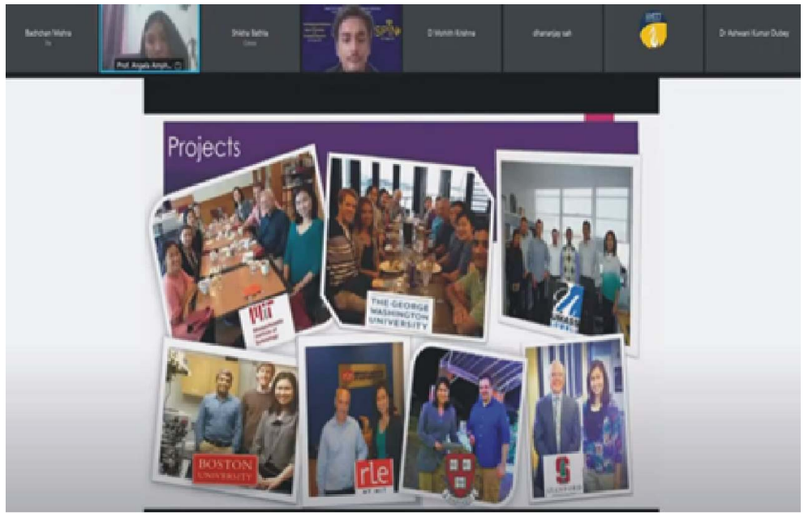
The two-day event observed the participation of more than 35 International delegates and keynote speakers from countries such as USA, U.K, Russia, Oman, South Korea, Romania and Luxembourg amongst others. A total of 213 research papers were presented by researchers and scholars from across the globe. SPIN 2021 also featured more than 42 technical sessions with each session chaired by renowned scientist, researchers and professors from India as well as abroad.5 Honorary Professorships have been awarded during the conference.

During these two days, many other events have been organized:

- Industry Session on "Accelerating Digital Adoption & Innovation is the New Way of Life"

- Special Session on Women in Engineering to Promote Women Engineers and Scientists by 6 panelist from academics, industry, government and alumni.

- A Networking session with Keynote speakers was conducted to explore the possibility in research and collaboration.



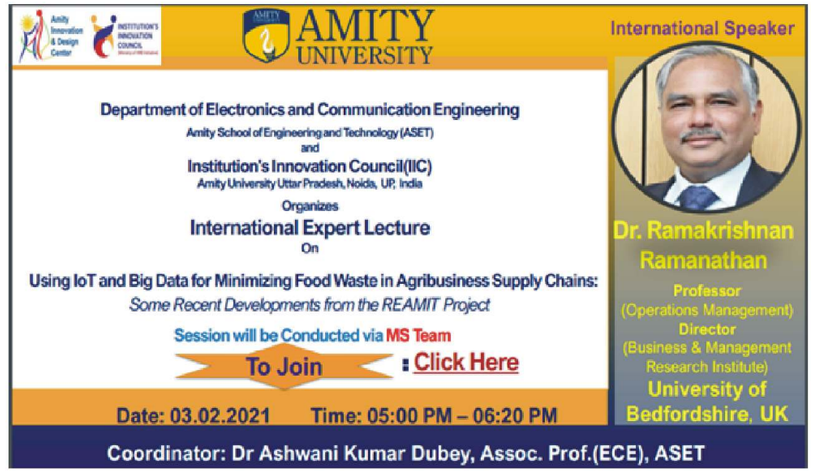
1. e-EXECUTIVE DEVELOPMENT PROGRAMME

Department of ECE, ASET organized e-Executive Development Programme for ENGINEERS OF MINDA SILCA ENGG PVT. LTD. on Essentials of Electronics for manufacturing industry from 6th March, 2021 to 27th March, 2021.

2. GUEST LECTURE

Department of ECE had organized 3 guest lectures.

One of them was organized on topic “Using IoT and Big Data for minimizing food waste in agribusiness supply chains: Some recent developments from the REAMIT project” on 3rd Feb 2021.



3. ALUMNI MEET

An alumni meet was organized by Electronics and Communication Department on 25th March 2021 to strengthen the Alumni Connect. The event was organized on the theme ‘Future Skills and Job Roles in Electronics and Communication Engineering for Industry 4.0 & Beyond’ under which Panel Discussion on Disruptive Technologies (AI, Robotics, IoT, 5G): Role in Industry, Education, Research & Future Employment, Recent Trends in VLSI and Nano-Technology for Industry 4.0 & Beyond and Experience Sharing and general discussion with the Alumni is done. This all activity is conducted keeping in view the Benefit of Students and University.

4. ALUMNI INTERACTIONS

Department had organized 11 guest lectures by alumni.

One of them was on **"Alumni Forum for Placement Guidance"** by Ms. Pranjul Kumar, Consulting Engineer, Cisco and Mr. Pulkit Pandey, Associate Principal Analyst, Gartner on 25th Sept,2021

RESEARCH CORNER

Faculty Publications

The faculty of ECE have published around 75 International Conference Papers and 43 papers in reputed journals. Also department of ECE has filed 6 patents in this duration. Some of the papers are given below:

- Kaushik, M. & hak gupta, Sindhu & Balyan, V.. (2021). An approach to detect human body movement using different channel models and machine learning techniques. Journal of Ambient Intelligence and Humanized Computing. 10.1007/s12652-021-03237-2, SCI,Scopus.
- Kaushik, M. & hak gupta, Sindhu & Balyan, V.. (2021). An approach to optimize performance of CM3A cooperative WBAN operating in UWB. Sustainable Computing: Informatics and Systems. 30. 100523. 10.1016/j.suscom.2021.100523, SCI,Scopus
- Kaur, Sanmukh and Neha Tabassum. "Performance Analysis of Radio Over Fiber System Employing Photonics Antenna and Different Modulation Schemes." IETE Journal of Research (2021): 1-11, SCIE, Scopus
- Apoorva & Kumar, Naveen & Amin, Intekhab & Anand, Sunny. (2021). Design and investigation of negative capacitance–based core-shell dopingless nanotube tunnel field-effect transistor. IET Circuits, Devices & Systems. 15. 10.1049/cds2.12064, SCI, Scopus.

Patents

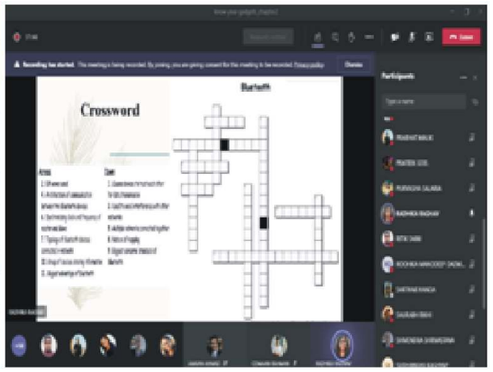
- Sumit Bhardwaj, Bhuvidha Singh Tomar, "A system for determination and analysis of joint mobility using real time evaluation" Application No. 202111004526.
- Akansha Singh, Neha Tabassum, Sanmukh Kaur, "Zero Waste Management System for Eco-Friendly Environment", Application No. 202011002348
- Iman Ali, Ashad Ahmed, Konark Gupta, Sanmukh kaur, "A digital image processing based fans/lights enabled with green house gas separation technology" Application No. 202011006026
- Pranay Mallik, Susmita Sen Gupta, Jitendra singh Jadon, "Machine Learning Crop Yield Prediction System with Cloud Network Connectivity" Application No. 202111031774.
- Sumit Bhardwaj, Shubham Vats, "A System For Early Detection of Pulmonary Illness by Audio Analysis" Application No. 202111030687.
- Gaurja Bahl, Yatin Singh Sammal, Nivedita Nair, Sanmukh Kaur, "A LIFI Based System for Vehicle Communication" Application No. 202111023703.

CLUB ACTIVITIES

ECE department has six different clubs namely Embedded System Design & Robotics Club, Signal and Image Processing Club, Communication System Design Club and VLSI & Digital System Design Club, Electronic Design and Innovation Club , Artificial Intelligence and Internet of Things Club running under the supervision of their chair persons Dr. Neeraj Khera , Dr. Ashwini Dubey , Dr. Sindh Hak Gupta , Dr. Anu Mehra , Mr. J. S. Jadon , Dr. Rinki Gupta respectively. Several technical events are organized by the students of these clubs under the supervision of chairperson.

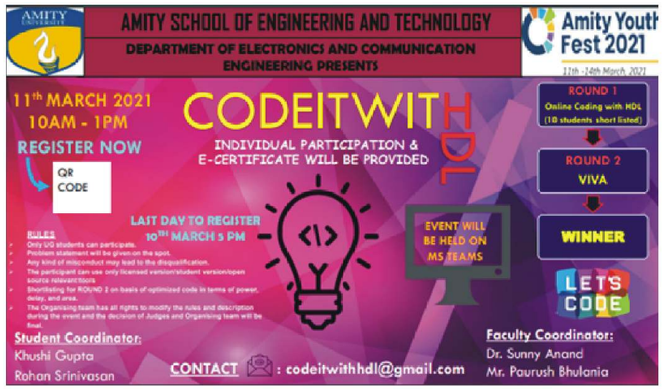
1. SIGNAL AND IMAGE PROCESSING CLUB

Title of the event : KNOW YOUR GADGETS | Date: 21 January 2021

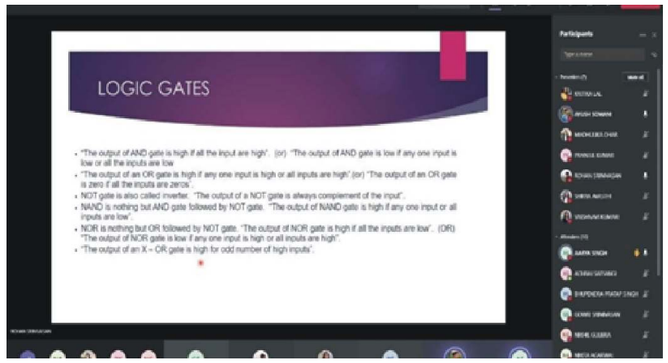


2. VLSI & DIGITAL SYSTEM CLUB

Title of the event: CODE IT WITH HDL | Date: 11th March, 2021

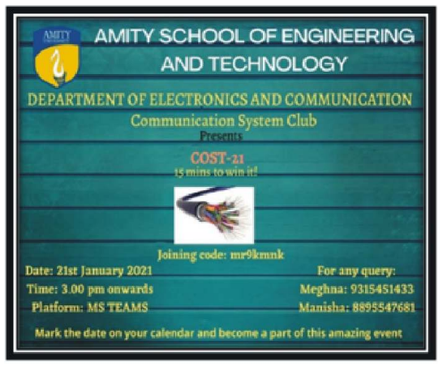


Title of the event: CIRCUIT BREAKER | Date: 14th Jan, 2021



3. COMMUNICATION SYSTEM DESIGN CLUB

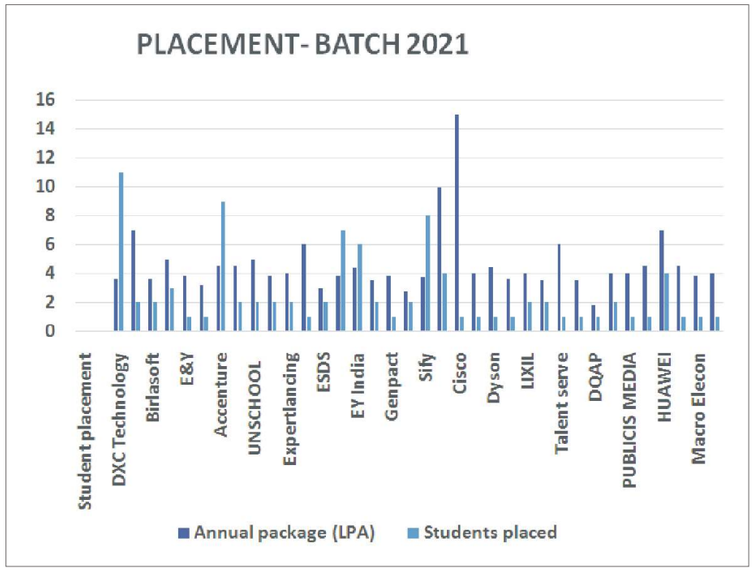
Title of the event : COST-21 | Date: 21 January 2021

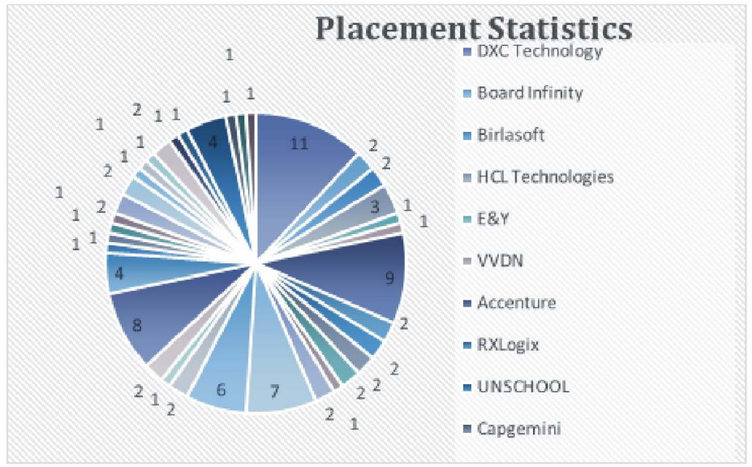


STUDENTS' CORNER

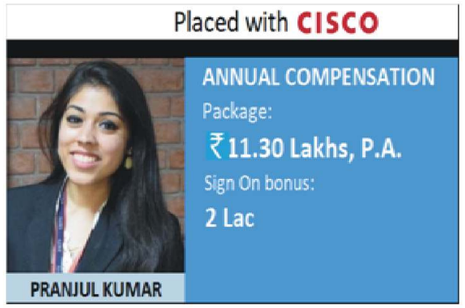
Placement 2021

- Many reputed companies visited the Campus for the recruitment drive. Out of total 94 students 73 students got selected finally after going through various technical and non-technical rounds. The average package offered by the companies was 4.35 lacs. Student highest package of 2021 is 11.30 lakhs+2lakhs bonus given by CISCO to Ms. Pranjul Kumar.





STAR ACHIEVERS 2017-2021 BATCH



ALUMNI CONNECT

Ridhima Puri
B.Tech-ECE (2016-2020)
ZTE Telcom India Pvt. Ltd.

Amity University works for scholastic and co-scholastic development of their students. This institute extends beyond the classrooms and provides hands-on exposure to the students. Working towards excellence not only includes students exposure to various fields but also professional attitude of our lecturer/professors which help in building up our technical skills. Scholarships offered by Amity University not only builds up and boosts up our confidence but also enhances the willingness to do well in life. The constantly expanding number of companies that visit the campus for recruitment are a testimony to the quality that Amity University is known for. Amity students emerge out

Jai Sehgal
B.Tech - ECE (2016-2020)
ZTE Telecom India Ltd.

It was prestigious 4 year long journey at Amity University, Noida. I was awarded scholarship throughout the program.From the beginning of my degree i was enthusiastic about Electronics and wanted to learn about how Chips are Designed and work. From Meeting visionary to extraordinary professor,scholars ,researches and experiencing advance labs enabled me to explore my interest. During my summer internship I was selected by Mentor Graphics a Siemens business for their well know higher education program there i learned about hardware verification. During the program every year the department organizes SPIN (Signal processing and integrated networks) international conference which undoubtedly gave outstanding opportunity to students for participating and knowing about cutting edge research.

Recently I am placed with ZTE telecom India LTD as a graduate trainee engineer(soon joining in june 2020). Finally I would like to say this programs gave me lot of things either it is soft skills, technology insight or research mindset.

Prerna Medhi
B.Tech - ECE (2011-15)
5G Vehicular Communication, Hamburg-Harburg

Department of ECE, ASET gave me a platform to develop my skills and knowledge to excel in the professional world. The well structured program of ECE taught by learned professors, good laboratories and tons of opportunities and facilities gave me an excellent exposure. Various additional courses like business communication, organizational behaviour and foreign language gave me an edge and proved very useful to help me step into the professional world and get job offers from companies like Emerson Process Management and Yokogawa Electric Co. The placement team of Amity is very helpful and helps students get placed in various companies and helped me to get placed in Aricent. Various student clubs help delve into various areas of interest and develops both technical and soft skills. I was the secretary of Institute of Engineering & Technology, Amity student chapter which improved my problem solving skills, leadership skills and team spirit I was awarded the “Best in interpersonal skills and team spirit” award. As an alumni, I am proud of Amity and ECE department! Joining Amity was till date the best decision of my life!

She is currently pursuing MSc Information and Communication Systems, Technical University Hamburg-Harburg working on 5G Vehicular Communication.

FACULTY ACHIEVEMENT

- **Ms. Nidhi Gaur** was awarded for her exceptional contribution as a Primary Evaluator in Toycathon, 2021 by Ministry of Education's Innovation Cell (Govt. of India) in Dec., 2021

Dr. Shubhra Dixit was awarded patent titled " CLOSED LOOP LEAST MEAN-SQUARE ADAPTIVE NOISE CANCELLER" by Intellectual Property of India, Govt of india, The Patent office, Patent Application No. 39/DEL/2012.

INTELLECTUAL PROPERTY INDIA

भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE
पेटेंट प्रमाणपत्र
PATENT CERTIFICATE

पेटेंट सं. / Patent No. : 275481
आवेदन सं. / Application No. : 39/DEL/2012
फाइल करने की तारीख / Date of Filing : 05/01/2012
पेटेंटी / Patentee : AMITY UNIVERSITY

It is hereby certified that a patent has been granted to the patentee for an invention entitled CLOSED LOOP LEAST MEAN-SQUARE ADAPTIVE NOISE CANCELLER as disclosed in the above mentioned application for the term of 20 years from the 5th day of January 2012 in accordance with the provisions of the Patents Act, 1970.

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

STUDENT'S ACHIEVEMENTS

- **Alumni achievement: Ms. Anchal Chauhan,** B. Tech (ECE)-2016 Pass out is selected for Civil Services , UPSC and ranked 183 in the list.
- •? https://www.amarujala.com/uttar-pradesh/baghpat/anchal-chauhan-touched-the-civil-service-examination-baghpat-news-mrt4946670140
- •? https://www.jagran.com/uttar-pradesh/bagpat-aanchal-chauhan-acheeved-183-rank-in-upsc-civil-service-exam2019-20592653.html

Publish Date:Wed, 05 Aug 2020 07:29 AM (IST) | Author: Jagran

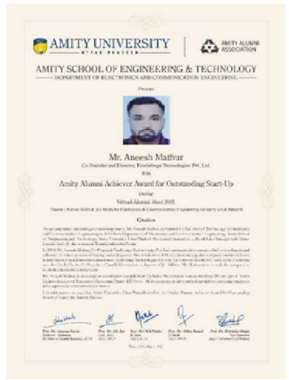
बागपत की बेटी आंचल चौहान ने यूपीएससी की सिविल सर्विस परीक्षा 2019 में 183वां स्थान प्राप्त हुआ है। इस उपलब्धि से आंचल का परिवार काफी खुश है।

- **Ms. Dheerika Pandey,** B.Tech, ECE, Batch 2017-21 recently launched her new book, Bookmarked. Bookmarked is a small collection of poetry, letters, and musings. It is a collection that will comfort you on bad days, love you on rough days, and remind you to be grateful for the happy ones. Bookmarked is ranked at 40 in the Amazon Bestsellers List (Poetry).

- **Mr. Sagar C V,** B.Tech, ECE, Batch 2019-23, participated on UIETMUN 5.0, UIET Chandigarh and among 200 participants he scored second position.?
- Bharti Airtel Limited has awarded Excellence awards during Convocation-2021 to our four students namely Mr. Aditya Arora - B.Tech (ECE), Ms. Devica Verma - B.Tech (ECE), Ms. Aanchal Sharma - M.Tech (ECE) and Mr. Vipin Kumar - M.Tech (EST). The excellence award comprised of the Cash Prize of Rs. 10,000/- each, a certificate and trophy.

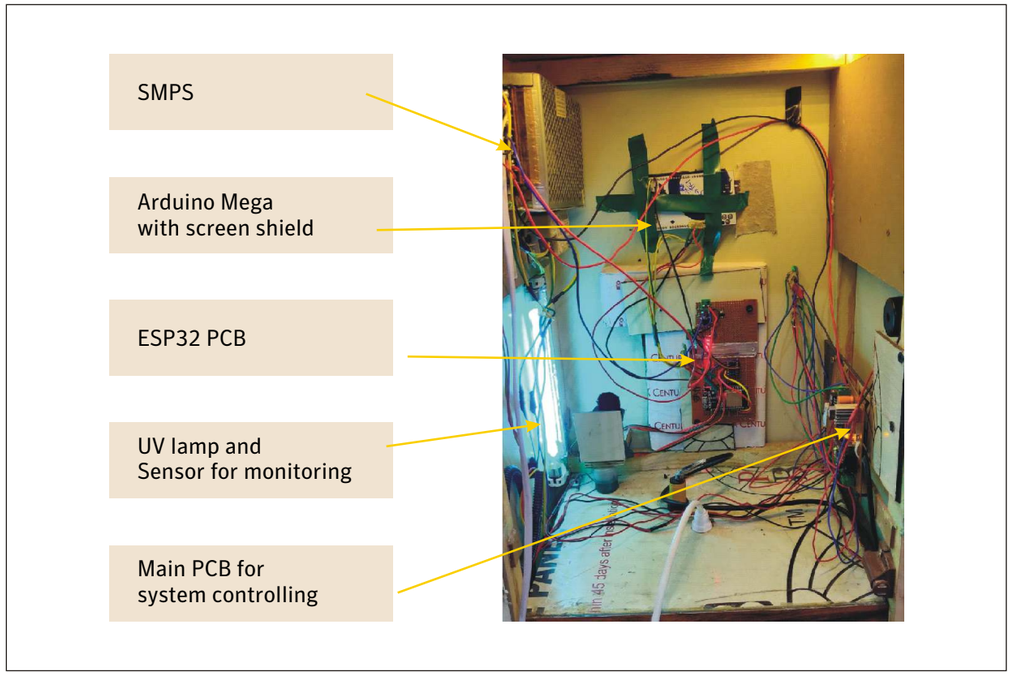
Award Instituted by	Enrollment No. & Name of the Awardee with Full Name of Degree	Award (Monetary / Salver / Medal)
Bharti Airtel	Enrollment No.: A2305117044, Name: **Mr. ADITYA ARORA** Degree Name: Bachelor of Technology (Electronics & Communication Engineering)	Bharti Airtel Award of Excellence for "First in Telecom Subjects in B.Tech Electronics and Communication Engineering" (Male) (Rs 10,000/- Monetary & Shield)
Bharti Airtel	Enrollment No.: A2305117064, Name : **Ms. DEVICA VERMA** Degree Name: Bachelor of Technology (Electronics & Communication Engineering)	Bharti Airtel Award of Excellence for "First in Telecom Subjects in B.Tech Electronics and Communication Engineering" (Female) (Rs. 10,000/- Monetary & Shield)
Bharti Airtel	Enrollment No.: A2315319006 Name : **Ms. AANCHAL SHARMA** Degree Name : Master of Technology (Electronics & Communication Engineering)	Bharti Airtel Award of Excellence for "Best Dissertation in M.Tech-Electronics and Communication Engineering" (Female) (Rs 10,000/- Monetary & Shield)
Bharti Airtel	Enrollment No.: A2329419003, Name : **Mr. VIPIN KUMAR** Degree Name : Master of Technology (Embedded Systems Technology)	Bharti Airtel Award of Excellence for "Best Dissertation Work in M.Tech. in the field of Disruptive Technologies" in M.Tech (EST) (Male) (Rs 10,000/- Monetary & Shield)

- Alumni Achievements: 3 Alumni received Amity Alumni Awards during Alumni meet 2021.
  - **Mr. Avneesh Mathur** for outstanding start up
  - **Mr. Joyjeet Chatterjee** for outstanding Contribution in Education
  - **Ms. Sonia Manchanda** for Outstanding Contribution to Alma Mater



STUDENT'S INNOVATIONS

- **Mohd. Owais Aslam,** 2017-21designed an IoT based hardware project titled "Development of an IoT based Screening and Sanitizing System for Protection against Covid-19". The proposed system ensures no human contact while screening and all the vital stats from the sensors are transmitted in real time through IoT.



- **Gandham Venkata Sai Lohit,** Batch 2017-21 designed and implemented a hardware project titled " Reforestation using drones and deep learning techniques for a greener future". Drone reforestation can plant tens and thousands of trees faster than any human planting system which will allow to repopulate the earth with trees at a rapid pace, which will help in countering the effect of climate change and global warming.

STUDENT'S RESEARCH PUBLICATIONS

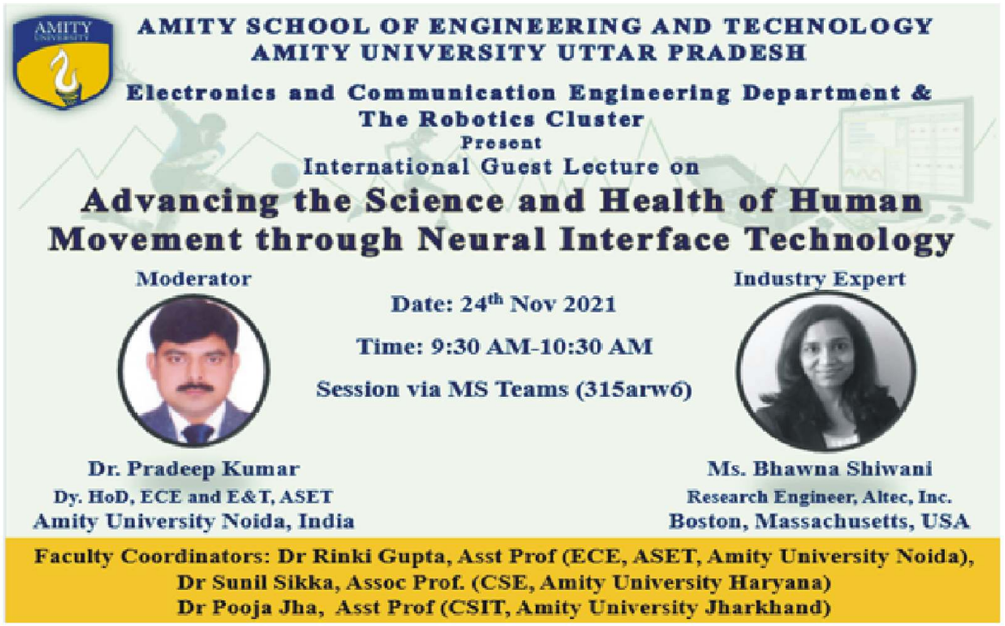
The student of ECE have published around 121 International Conference Papers and 19 papers in reputed journals.

- Archika singh, Mumin Sajad, Amandeep Singh, Naveen Kumar, S. Intekhab Amin, Sunny Anand, "Design and analysis of negative capacitance based dual material dopingless tunnel FET", Superlattices and Microstructures, Volume 156, 2021.
- Rajawat, Asmita & Mohta, Mohit & Sharma, Aayush & hak gupta, Sindhu (2020). Design and Performance Exploration of a Compact Dual-Band Antenna for WBAN-On Body Applications. Journal of Circuits, Systems and Computers. 30. 10.1142/S0218126621500341.
- Verma, Shilpi & Hak Gupta, Sindhu & Sharma, Richa. (2021). Analysis and Optimization of Low Power Wide Area IoT Network. Transactions on Computational Science XXXVIII (pp. 98-112), 10.1007/978-3-662-63170-6_6.

INDUSTRY CONNECT

Department of ECE had organized 12 industry expert lectures.

- One of them was on Advancing the Science and Health of Human Movement through Neural Interface Technology on 24th November 2021.



INTERNATIONAL EXPOSURE

Department of ECE had organized 17 international research seminars for Faculties and students.

- Innovations in Beyond 5G Technologies" - Topic "Fuzzy Logic-based Resource Allocation Algorithm for 5G C-V2X Networks"

  Speaker: Prof. Peter Han Joo Chong, Associate Head of School (Research), School of Engineering, Computer & Mathematical Sciences, Faculty of Design & Creative Technologies, Auckland University of Technology, Auckland, New Zealand

  Date: 05 June, 2021

- Innovations in AI Techniques for Computer Vision Applications.

  Area : "AI & Computer Vision"

  Topic of the Session: Does Explainable Artificial Intelligence explain AI Models?

  Speaker: Prof. (Dr.) Halina Kwasnicka (DSc, PhD), Department of Artificial Intelligence, Faculty of Information and Communication Technology, Wroclaw University of Science and Technology, Poland, and Member of the International AIQS Foundation Advisory Board.

  Date: 09 November, 2021

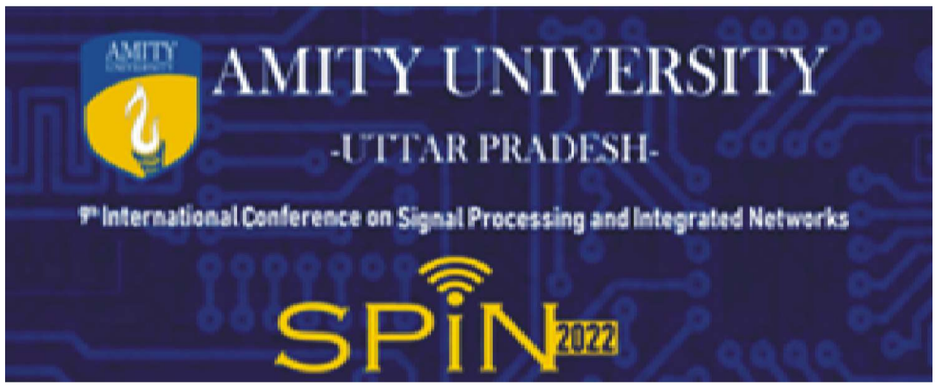
- INNOVATIONS IN ROBOTICS
  Minimally Invasive Surgery -Teleoperation with Greater Dexterity and Safety

  Speaker: Prof. Sanja Dogramadzi, Director, Department of Automatic Control and Systems Engineering, The University of Sheffield, UK.

  Date: Topic 13 May, 2021

UPCOMING EVENTS

Department is going to organize 9th International Conference on Signal Processing and Integrated Networks (SPIN-2022).



DEPARTMENT OF INFORMATION TECHNOLOGY

Dr. Nitasha Hasteer
Dy. Director (Academics), ASET
Head, Department of Information Technology
Amity School of Engineering & Technology

We are what we repeatedly do. Excellence, then, is not an act, but a habit - Aristotle

To impart profound knowledge and equip budding engineers with the latest skills in this constantly evolving Information Technology world is a challenge and also is our prime focus. Information, Computing, and Communication technologies pervade nearly all aspects of this digital society and open a plethora of opportunities for a successful and rewarding career.

We offer programs at undergraduate and postgraduate levels in Information Technology and groom our students through various international conferences, technical workshops on cutting edge technologies, distinguished lecture series from scientists and experts from industry across the globe, outcome-based education, and a lot more for their holistic development.

Our students have developed many innovative projects, bagged research scholarships, got lucrative placements offers, and have brought laurels to their parents and the Institute. As per the vision of our Hon'ble Founder President, the education at Amity is value oriented. All our teachings seek to impart values and cultivate among our students the habit of reflecting on rich values. With committed faculty, Industry oriented programs, great job opportunities, and a strong commitment to excel in research and innovation; we continue to produce academic and industry leaders.

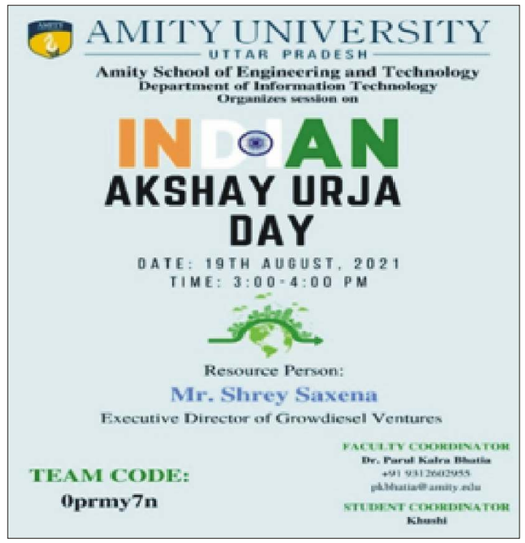
PROGRAMMES OFFERED

- Bachelor of Technology in Information Technology (B.Tech- IT)
- Master of Technology in Information Technology (M.Tech-IT)
- Master of Technology in Computer Networks and Information Security (M.Tech CNIS)

SPECIALIZATIONS OFFERED IN B.TECH (INFORMATION TECHNOLOGY)

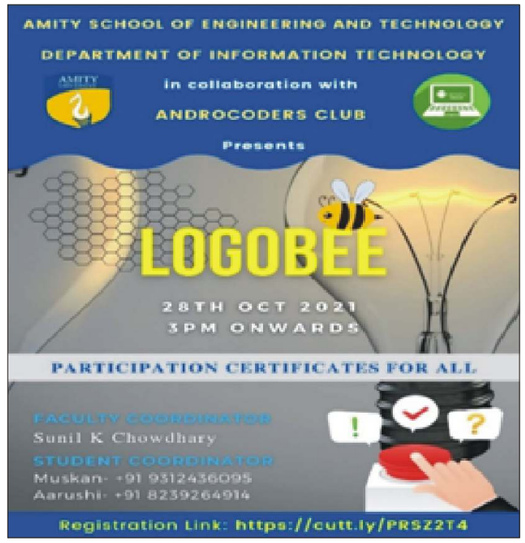
- Internet of Things
- Data Science and Analytics
- Artificial Intelligence and Machine Learning
- Cloud Computing
- Networks and Information Security

HAPPENINGS@DEPARTMENT

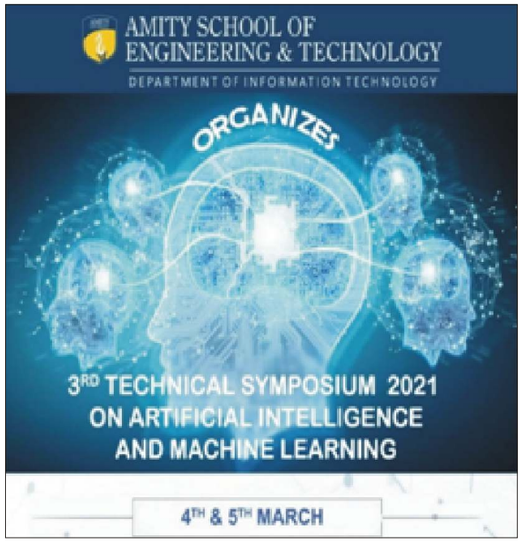


Session on Indian Akshay Urja Day on August 19, 2021

Session on Future of digital world was organized by Webkraft Club on September 11, 2021



An event LOGOBEE was organized by Andro Coders Club on October 28, 2021



Technical Symposium on Artificial Intelligence and Machine Learning was organized on March 4-5, 2021

- Alumni Talk series #6 on Agile and Design Thinking by Mohit Budhhiraja on January 21, 2021
- Alumni Talk Series #7 on Challenges and Engineering Trends in Artificial Intelligence and Data Sciences by Saumya Bhatnagar on January 23, 2021
- Alumni Talk Series #8 on Secure journey to the cloud: hoe security is managed in cloud infrastructure by Abhishek BhattacharyaonFebruary 18, 2021
- Alumni Talk Series #9 on Blockchain Essentials by Saumya Bhatnagar byJanuary 23, 202

- Alumni Talk Series #10 on Machine learning over Conventional Rule based Systems by Karuna PurionFebruary 20, 2021

Panel Discussion was organized for 2nd year student on the topic of Strategies for Developing skills and Competency to be Industry Ready for successful progression of graduates from Campus to Corporate on August 11, 2021.

On December 17, 2021, Convocation 2021 was held. Congratulations to the Department of Information Technology Faculties who received their Ph.D. degrees at Convocation 2021.

- Dr Chetna Chaudhary
- Dr Abhishek Singh
- Dr Monica Kaushik
- Dr Yogesh Kumar

In Convocation 2021, 129 B. Tech IT students and four M.Tech CNIS students received their degrees.

Following students of B. Tech (Information Technology) were awarded Salvarsduring Convocation 2021 for their significant achievements during their four-year academic journey at Amity University:

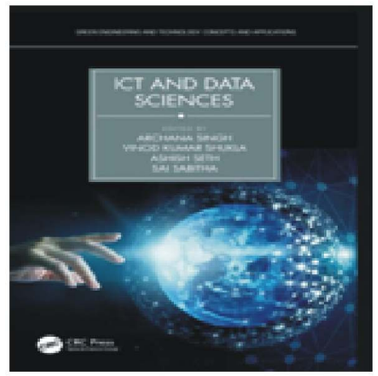
- Ms. Saumya Sharma got Shri Baljit Shastri Award for Best in Human & Traditional Values.
- Ms. Vidushi Singh got Salvar Award for Interpersonal Skills and Team Spirit.
- Mr. Naman Gupta got Salvar Award for Excellence in Knowledge Creation.
- Ms. Shruti Joshi got Salvar Award for Leadership Quality.

Following students of B. Tech (Information Technology) were awarded academic and non- academic awardsduring Convocation 2021 for their significant achievements during their four-year academic journey at Amity University:

- Ms. Harsha Munshi: For performance in activities related to Placements and Industry Interaction.
- Mr. Gaayan Verma: For performance in activities related to Placements and Industry Interaction.
- Ms. Aakankshu Rawat: For Performance in Cultural Committee.
- Ms. Shivai Raheja: Performance in Academic Committee.
- Mr. Tushar Gupta: Significant contribution in Research.
- Mr. Rahul Gupta: Significant contribution in Research.
- Ms Isha Sharma: Best Logistics Coordination.
- Ms. Akriti Mathur: Best Summer Training.
- Mr. Ashish: Best Sports person.

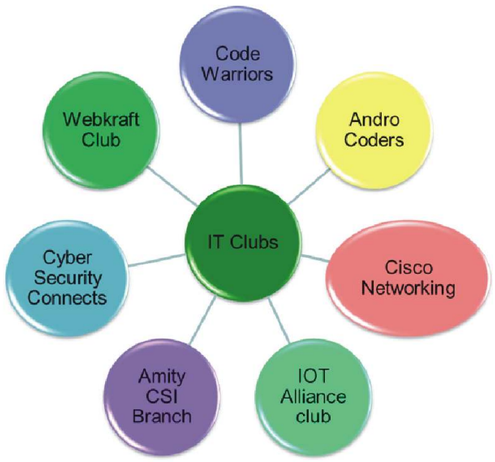
RESEARCH CORNER

- Deepti Mehrotra has published a paper titled as “Multiclass classification of mobile applications as per energy consumption” in Journal of King Saud University - Computer and Information Sciences with impact factor of 13.473.
- Dr. Nitasha Hasteer along with co-authors from Amity University and IIM Amritsar have published a research paper on Exploring “what,” “why” and “how” of resilience in MSME sector: a m-TISM approach Benchmarking: An International Journal, ESCI.ISSN: 1463-5771
- Prof. Archana Singh has published a book entitled ICT and Data Sciences, ISBN 9780367501143, March 16, 2022, by CRC Press.
- Ms. Anjali Kapoor has filed a patent titled -Sustainable healthcare system based on IoT and AI for indoor environment monitoring and its control and Patent Application No.: 202111045498.
- Dr. Purushottam Sharma has filed a patent titled -A System for unlocking and monitoring various unlocking devices and Patent Application No.: 202111023897.

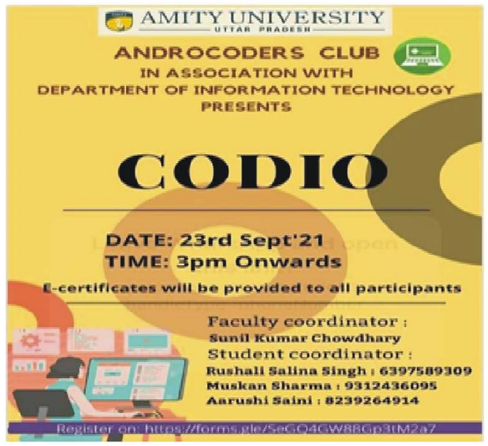


CLUB ACTIVITIES

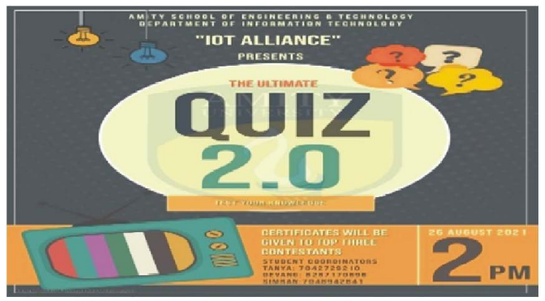
On campus, students can get involved and hone skills such as multitasking, organisation, team building, leadership, and service mindedness by joining a variety of clubs. Some clubs exist at the university level, while others exist at the departmental level. There are numerous clubs in the Department of Information Technology, including the Code Warriors Club, Andro Coders Club, Cisco Networking, IOT Allience Club, Amity CSI Student Branch, WebKraft Club, and E-Connect Club. Students can showcase their interests while maintaining a work/life balance by joining a club. As a major benefit, club members form bonds with one another, which can help them advance in their careers. Some glimpses of club events are featured underneath.



Quiz Master event was organized by WebKraft Club on July 29, 2021



Codio event was organized by Andro Coders Club on September 23, 2021

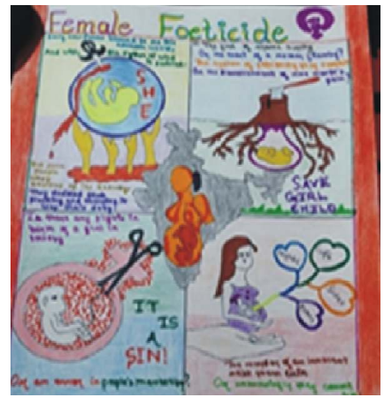


- Quiz 2.0 event was organized by the IoT Alliance Club on Aug 26, 2021.
- Cyberneq 2.0 event was organized by EConnect Club onAugust 19, 2021.
- Placement 1.0 event was organized by Code Warriors Clubon August 28, 2021.

Social Activities for Human Value Development

Future of Digital World event was organized by WebCraft Club on September 11, 2021.

A Poster Making experience on the intersections of science, and/or technology with human values was held for our students on February 16, 2021. The overall goal of the event was to inculcate the value of technology in the areas of Science, Technology, Art & Culture, and Human Values.



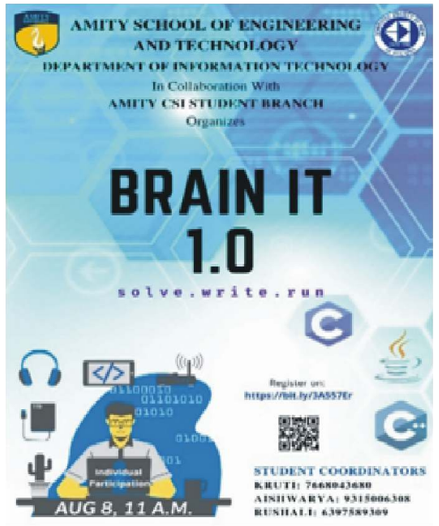
The students visited an NGO - Janak Sewa Smiti, Old Age Home, on March 16, 2021.During their time with elders, they listened to their poems, bhajans, and played different games.

Our students interacted with special people during a visit to The Earth Saviours Foundation Gurukul on February 20, 2021. They intermingled with them and donated daily necessities as part of their community service.

Our students were visited the Arunabha Welfare Society on February 15, 2021 to March 15, 2021. During this one-month activity students taught underprivileged children and gave them the awareness about computers, hygiene factors and environmental cleanliness

Our students visited the NGO RISHIKULSHALA, an initiative of Paavan Chintan Dhara, on March 16, 2021. Through moral storytelling exercises, our scholars were able to speak with children and gain insight into their perspectives.

Amity CSI Student Branch Events



BRAIN IT 1.0 was an event held for students to demonstrate their knowledge of technology

Programmatore 2.0 was an event where participants showcased their coding skills and solve questions in their preferable programming language within the required time frame

Decrypton 8.0 event was organized to decipher the problem statements given to the participants

Poster Prideeventwas the poster making competition on Topic Matyr Monuments/ Tourist places of state and district

Webster 2.0 event was organized to design an interactive website by the participants.

Zecriut 2.0 event was organized to provide students with an introduction to placement rounds.

COLLABORATIONS WITH INDUSTRIES

Prof. J. K. Deka, IIT, Guwahati

Dr. S. N. Singh, Professor, IIT Kanpur & IEEE R10(Asia-Pacific)

IEEE

Dr. Pradeep Atrey, State University New York, USA

Dr. Ralf Toenjes, University of Applied Sciences Osnabrück, Germany

HOCHSCHULE OSNABRÜCK

Dr. Gareth White, Director- CRG, University of South Wales, UK

University of South Wales Prifysgol De Cymru

Dr. Rishi Mohan Bhatnagar, Aeris Communications

aeris

Mr. Yogesh Kochhar, Ex Director, Strategic Engagements, Microsoft, India

Microsoft

Mr. Sachin Saxena, Scientist 'C', Ministry of Electronics and IT

Mr. Anuj Kapur, Lucideus

Mr. Paras Arora, CEO & Founder, PAC Security

Ms. Sandhya Bhasin, HCL Technologies

Ms. Nidhi Garg, Aristocrat

Mr. Avishek Kumar, Dell Technologies, USA

Mr. Janmejay Rai, R1 RCM|

Mr. Rajesh Karki, University of Saskatchewan, Canada

Mr. Arpit Gupta, CEO, T.R.E.E.S. Pvt. Ltd

Dr. Nitin Pandey, CISCO System USA

Shri Parimal Kumar, Scientist 'G', DRDO

Mr Girish Goel Project Director, H.P

Gp. Cpt. C.S Chawla, Deputy Planning Officer, Ministry of Defence.

Mr Upakul Barkakaty, Practice Lead, Infogain

Dr. Shivendu Ranjan Scientist, DST

Dr. Niladri Chatterjee IIT, Delhi

Mr. Sharad Chandra, Cloud Architect, IBM

Dr. Amit Prakash Singh, GGSIPU

Mr. Sanjay Ahuja V.P, Accenture

Dr. T. V. Vijay Dean, JNU

Mr. Prateek Gupta, AVP, Genpact

Mr. Rakesh Rathi, Segment Head- Sify

SOME OF OUR RECRUITERS

Highest Package Offered: **16 LPA** (CISCO)

TOP PLACEMENTS

Ms. Shivani Rakheja
B.Tech (IT)
AB In Bev 12 LPA

Ms. Mehak Aggarwal
B.Tech (IT)
SHELL 12 LPA

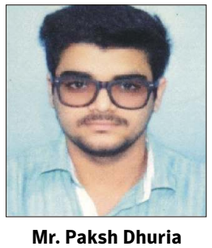
Mr. Jeffrey Runjen R
B.Tech (IT)
8.2 LPA SAP

Mr. Aazar Imran Khan
B.Tech (IT)
SHELL 11.5 LPA

Ms. Astha
B.Tech (IT)
McAFee Software 8 LPA

Ms. Mallika Sharma
B.Tech (IT)
McAfee Software 10 LPA

Ms. Harsha Munshi
B.Tech (IT)
Google 11 LPA



Mr. Paksh Dhuria
B.Tech (IT)
AB InBev 12LPA

CONGRATULATIONS TO THE STUDENTS THAT WERE AWARDED THE HIGHEST CISCO SALARY PACKAGE FOR THE 2017-2021 BATCH DURING ACADEMIC YEAR 2020-2021 (14-16 LAKHS)

Ms. Aakriti Mathur
B.Tech (IT)

Mr. Gaayan Verma
B.Tech (IT)

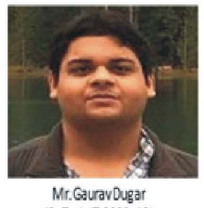
Mr. Kumar Shaswat
B.Tech (IT)

Mr. Prangshu Dweep
B.Tech (IT)

Mr. Aditya Shrivastava
B.Tech (IT)

Mr. Yogesh Kumar
B.Tech (IT)

ALUMNI ACHIEVERS



Mr. Gaurav Dugar
(B. Tech IT 2009-13)
Software Engineer
Google Sunnyvale, California

Mr. Somya Pandey
(B. Tech IT 2008-12)
Data Analyst
Google Sunnyvale, California

Ms. Komal Panzade
(B. Tech IT 2012-16)
Technical Consulting Engineer
Cisco

Mr. Abhishek Aggarwal
(B. Tech IT 2010 -14)
Vice President, Software R&D
Myelin Innovation Pvt. Ltd.

Mr. Ayush Goenka
(B. Tech IT 2007-11)
Vice President
Morgan Stanley, New York, USA

Mr. Rishi Kapoor
(B. Tech IT 2006-10)
Senior System Analyst
UST Global, UK

Mr. Paras Chadha
(B. Tech IT 2011 -15)
Management Consulting
Deloitte, New York, USA

Ms. Manpreet Kaur
(B.Tech IT 2016-20)
Network Engineer
CISCO, Bangalore

ALUMNI IN HIGHER STUDIES

Mr Rashbir Singh
RMIT University
Melbourne

Ms Vedita Malhotra
University at Buffalo,
USA

Mr Nishant Sharma
NJIT, USA

Mr Krishna
Georgia State
University, USA

Mr Pankit Arora
Texas A&M, USA

Mr Harshit Singh
New York University,
USA

Mr Abhi Bajaj
Pace University,
USA

Mr Bharat Singhal
Carnegie Mellon
University, USA

Ms Tanvi Gupta
Purdue University,
USA

Ms Pratima Deshpande
Stevens Institute of
Technology, USA

TOP PLACEMENTS

Ms Surbhi Dang & Mr Shivam Gupta
Indian Navy

Ms Kritika Goyal
Narcotics Control Bureau

Ms Aditi Gupta
Ministry of Social Justice

Ms Rashmi Sinha
Reserve Bank of India

Ms Mouly Saini
Punjab National Bank

STUDENT ENTREPRENEURS

Mr Utkarash Lokesh &Mr Shantanu
Co-Founders Educative Technologies

Mr. Parikshit Saxena
Founder Pakzinc Technologies

Mr. Ankit Chaturvedi
Co-Founder ZipHop Technologies Pvt. Ltd.

Mr Prateek Sabarwal
Co-founder at Perfecto Pictures

ALUMNI CONNECT

Mr. Garvit Mittal
B. Tech (IT) 2014-2018
Entrepreneur

ASET gives us the liberty to explore ourselves not just in academics but also in extracurricular. Being from the IT dept, I got a chance to increase my knowledge and skills in my field and at the same time, improved my networking skills by participating in and organizing new events.

I am thankful to ASET and my faculty for helping me at every step. From organizing and managing events in ASET, I'm managing my own business today.

Ms. Sanyukta Shreshtha
B.Tech (IT) 2017-2021
System Engineer, IBM

I would like to express my gratitude to the Department of Information Technology, ASET for helping me in getting placed in three multinational companies (IBM, DXC Technology, and Capgemini). Currently, I am working as a System Engineer at IBM. Amity university gave me numerous opportunities to be a part of clubs, workshops, seminars, and even International Conferences through which I published research papers and got connected to various Industry leaders. Being the president of the 'Computer Society of India' Amity Student Branch gave me confidence and a great learning experience. Dedicated faculties and their support helped me nurture my skills, values, multifaceted qualities and shape my future.

Ms. Rich Thakur
B.Tech (IT) 2012-16
Assistant Manager
KPMG India

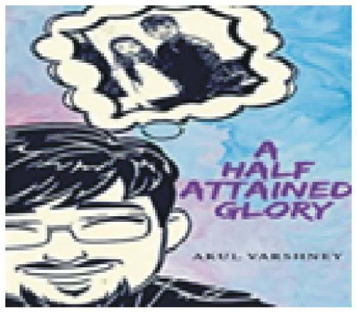
It has always been my honour and pleasure to have graduated from the Department of Information Technology. I was fortunate enough to receive immense support and guidance from my esteemed faculty and mentors throughout my curriculum. IT Department provided me with a plethora of opportunities by being part of multiple seminars and conferences to explore the latest research and connect with the world's eminent professors and industry leaders. This helped me in embarking a foothold towards a challenging position in the corporate world. Thank you, Amity, for teaching me the beautiful lesson of life that "If you only do what you CAN do, you`ll never be MORE than you are NOW".

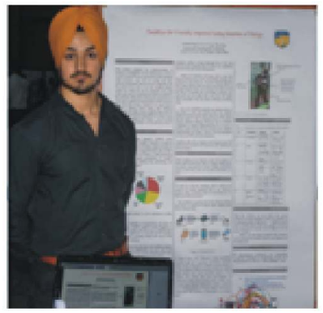
Ms. Sakshi Agarwal
B.Tech (IT) 2011-2015
Sr. Software Quality Assurance Engineer at Tesla

I am Sakshi Agarwal from the IT 2011-2015 batch. I started my career as an engineer at Samsung R&D Institute Delhi developing Automation tools for unit and integration testing of APIs. I moved to the US in 2019 and currently I am working as a Senior Software QA Engineer at Tesla designing, developing, and maintaining automation tools for ERP applications.

STUDENT/FACULTY ACHIEVEMENTS

1. Ms. Aakriti Mathur and Mr. Aditya Srivastava were hired by Cisco with a salary package of 14 lacs.
2. Ms. Ritu Punhani won the best paper award at the Indo-European Conference on Data Analytics and Management (ICDAM-2021).
3. Mr. Hrithik Raj (B. Tech. IT) received Major League Hacking Fellowship of USD 200/- per month for the duration of three months as an award.
4. Ms. Nimriti Varun and Mr. Gautam Agarwal (B. Tech. IT) Participated in CSI- YITPA2021 Contest (Northern Region) and got Special-mention Award for displaying their project " Image Classification based on Sensitivity of Data". The organizing body was CSI Ghaziabad Chapter.
5. Mr. Abhishek Wadhawan (B. Tech. IT) was awarded a BRICS internship in Russia from February to July 2020.
6. Mr. Shrey Kumar Singh (B. Tech. IT) was awarded a BRICS internship in Russia from February to July 2020.
7. Mr. Akul Varshney of (B. Tech IT) was published a Novel on Amazon Kindle- A Half Attained Glory. He was 3 Star coder on HackerRank in C, C++, JAVA. Also, an Alpha Member of Microsoft Learn Student Ambassador group.
8. An extraordinary work done by Mr. Rashbir Singh student of B.Tech. IT. He designed the economically cheap model based on Internet of things (IoT) for the visually impaired people using Arduino, SDK programming tools and sensors.

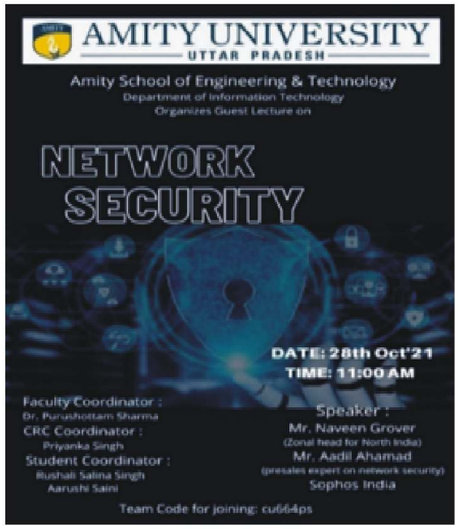




INDUSTRY CONNECT

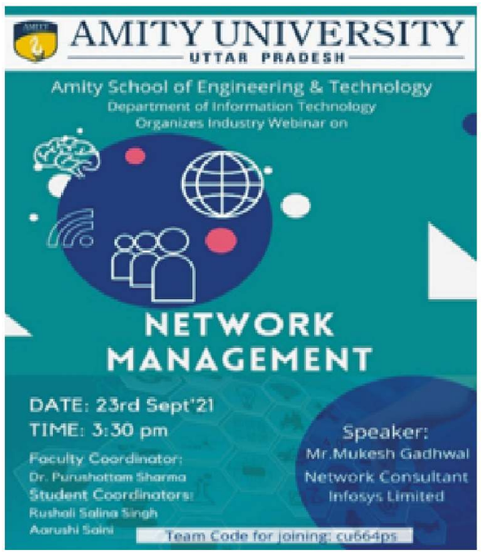
Cloud Computing: Concepts and its Languages was organized on November 15, 2021

Programming Languages and Industry Trends Guest Lecture was organized on November 26, 2021



Guest Lecture on Network Security was organized on October 28, 2021

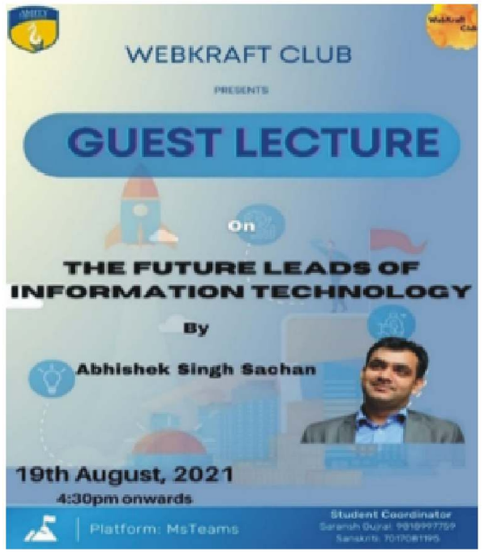
Online Gaming Development: Avenues & Skillsets webinar was organized on July 22, 2021



Network Management: An Industry Webinar was organized on September 23, 2021

Guest Lecture on Project Management on March 18, 2021 by Amity CSI Student Branch

Guest Talk on Project Management on March 4, 2021 by Amity CSI Student Branch



Guest Lecture on The Future Leads of Information Technology was organized by the Webkraft on August 19, 2021,

Guest Lecture on Campus to Corporate: Exploring Career Opportunities after BTech on November 12, 2021

UPCOMING EVENTS

IOT alliance club will organize an activity on Innovetia: Give your idea the recognition it deserves on January 20, 2022

Innovative Idea Competition on January 6, 2022 to January 26, 2022.

The department of Information Technology at Amity University Uttar Pradesh, Noida, India is organizing the 2nd International Conference on the theme **"Computational Intelligence: Automate your World"** from March 3, 2022 to March 4, 2022. The conference is being planned in the hybrid mode.The International conference is being organized in association with springer and is supported by Science & Engineering Research Board (SERB), Department of Science & Technology & DRDO, Govt. of India.

The Code Hunt 6.0 event will be on March 5, 2022, which comprises of three technical rounds.

A Guest Talk will be organized by Amity CSI Student Branch on March 24, 2022, by the Industry Personal to share the insights on Project Management Skills according to market trends.

A Guest Lecture on Strategic Planning for Project in IT industryby Mr. Nishant Joshi on April 7, 2022will be organized by the Amity CSI Student Branch.

DEPARTMENT OF MECHANICAL ENGINEERING

Dr. Basant Singh Sikarwar
HoD, Mechanical Engineering, ASET

It gives me an immense pleasure to deliver this message for the departmental magazine. In the last 06 months starting from July and ending in December 2021 Department has put in tremendous effort for an overall development of students, faculty members as well as staff. Classes of B.Tech. (2nd, 3rd and 4th year) students as well as M.Tech (2nd Year) students initially commenced in the hybrid mode and later on were transformed to face to face mode. Faculty members of the department have also put in a lot of effort for developing the e-content for making the academic delivery at its level best. Department also organized The First International Symposium on Fluids and Thermal Engineering on 22 July, 2021. The theme for this symposium was Thermal Management of Electronics Devices and Components. The symposium FLUTE 2021 included 07 plenary talks, 13 keynote speeches, 1 panel discussion and 30 research papers presentations from all over the Globe. Many Webinars were also conducted such expert lecture on digital manufacturing by Prof. J. Ramkumar, Career Awareness Programme for M.Tech. (Defence Technology).

Apart from faculty members students also showed their talent in Mechathon event which is organized by Robotics Club of the Department in AYF-2021. Recently, Department has also established Plasma Research Facility sponsored by BRNS. Our students also participated in two mega events namely (a) Mega ATV Championship (b) Model Air Show and showcased their talents in it. Alumni Talks were also organized by the department in Ist International Conference on Students' Progression (ICSP'21). Around 90% of the students have got their job offer in 2021 passout batch which shows their talent along with the good teaching methodology of our faculty members. At the last, Department is going to organize 3rd Biennial International Conference on Future Learning Aspects of Mechanical Engineering (FLAME - 2022) from 3rd – 5th August 2022 which will have reputed scientist throughout the globe to present their research work.

SOCIAL MEDIA LINKS

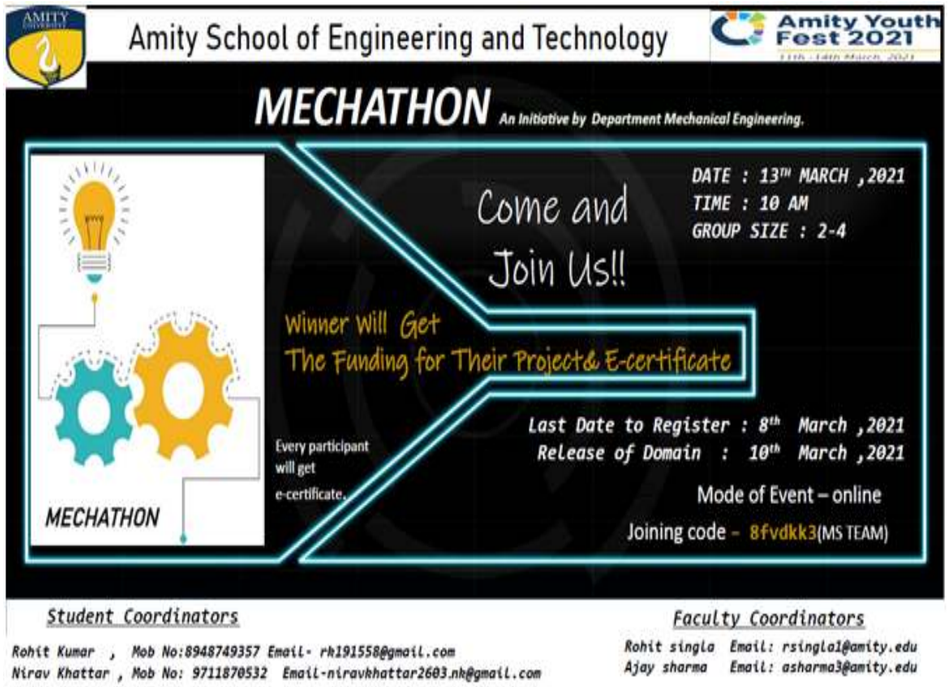
Twitter
Connect with us: admissionme@amity.edu, bssikarwar@amity.edu
Instagram/Twitter: @me_amitynoida
Facebook:https://www.facebook.com/AmityUniNoida
Linkedin: https://www.linkedin.com/in/meamitynoida/

HAPPENINGS @DEPARTMENT

(A) FLUTE-2021

FLUTE 2021 was conducted by Department of Mechanical Engineering, AUUP, Noida. The symposium provided a forum for high-quality academic papers in order to promote rapid communication and exchange between researchers, in the field of fluid and thermal engineering.

(B) AYF - 2021



Mechathon is a technical event organized by Robotics Club, Department of Mechanical Engineering. It was organized on 13 March, 2021. In this competition, one topic was given to every group. This event was intended to encourage and motivate the students to refresh their technical understanding on the upcoming technologies.

(C) Online Guest Lecture on "Digital Manufacturing"

For enhancing the technical skills of the students, Department organized an online guest lecture on "Digital Manufacturing" by Prof. J. Ramkumar from Indian Institute of Technology-Kanpur.

(D) Career Awareness Programme for M.Tech. (Defence Technology)

Department of Mechanical Engineering in collaboration with Ladakh Science Foundation organized a Career Awareness Programme for the aspirants of M.Tech. (Defence Technology). For this programme we had Mr. Shabir Ahmad, Scientist F and Joint Director, IRDE, Dehradun and Mr. Tsering Tashi, Founder Director, Ladakh Science Foundation.

(E) Visit to IRDE Lab, Dehradun

Prof. (Dr.) Basant Singh Sikarwar, HOD-ME along with Dr. W. Selvamurthy, President, ASTIF visited IRDE Lab Dehradun from 28-10-2021 to 29-10-2021 for enriching research / academic collaboration with DRDO. The mutual areas of interest which were identified out of this visit were Electro-Optical System, Thermal Imager, Optical Technology & Lasers.

RESEARCH CORNER

- No. of Publications in High Impact Factor Journals: 53
- No. of Publications in Conferences: 133
- No. of Books Published: 06
- No. of Book Chapters: 08
- No. of Patents: 03
- No. of Research Projects Sanctioned: 01 (Core Research Grant, SERB, DST)

LIST OF RESEARCH PAPERS PUBLISHED BY FACULTY MEMBERS WITH IMPACT FACTOR MORE THAN 6

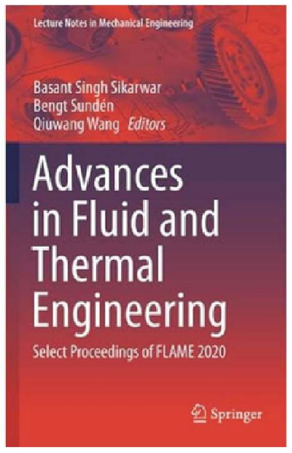
Dutta, G., Kumar, R., Sindhwani, R.& Singh, R.K. (2021), "Digitalization priorities of quality control processes for SMEs: a conceptual study in perspective of Industry 4.0 adoption", Journal of Intelligent Manufacturing, 32, 1679–698. https://doi.org/10.1007/s10845-021-01783-2 (Impact factor: 6.485).

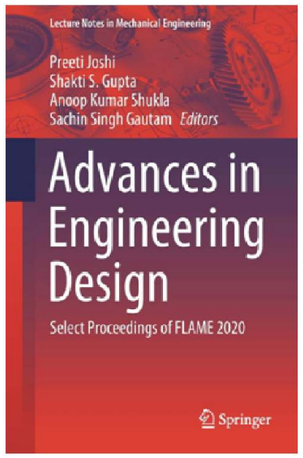
Kumar, R., Singh, R.K. & Dwivedi, Y.K. (2020), "Application of industry 4.0 technologies in SMEs for ethical and sustainable operations: Analysis of challenges", Journal of Cleaner Production, 275, 124063. https://doi.org/10.1016/j.jclepro.2020.124063 (Impact factor: 9.297)

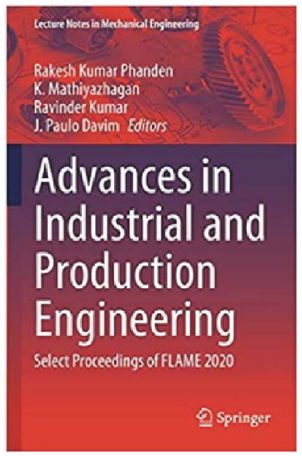
Khandelwal, N., Sharma, M., Singh, O. &Shukla. A.K., (2021), "Thermo-economic analysis of an integrated solar thermal cycle (ISTC) using thermal storage". Journal of Cleaner Production, 320, 128725. https://doi.org/10.1016/j.jclepro.2021.128725(Impact factor: 9.297)

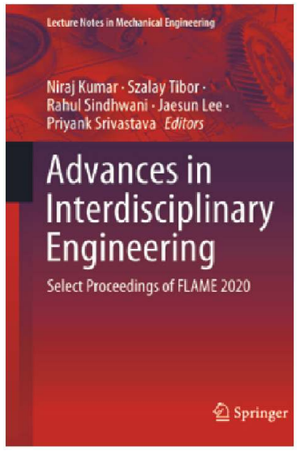
Panchal, D., Chatterjee, P., Sharma, R& Garg, R.K., (2021), "Sustainable oil selection for cleaner production in Indian foundry industries: A three phase integrated decision-making framework". Journal of Cleaner Production, 313, 127827. https://doi.org/10.1016/j.jclepro.2021.127827(Impact factor: 9.297)

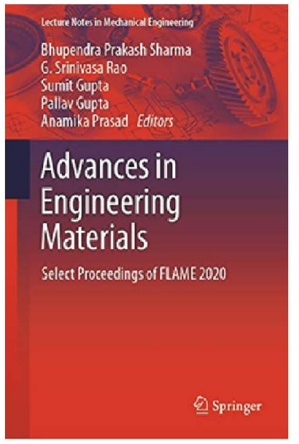
LIST OF BOOKS PUBLISHED BY FACULTY MEMBERS

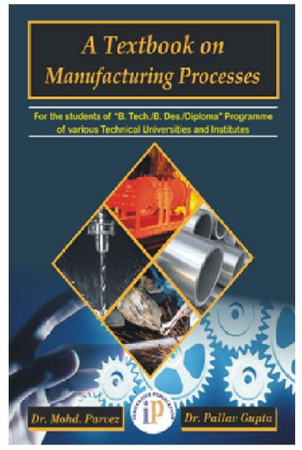




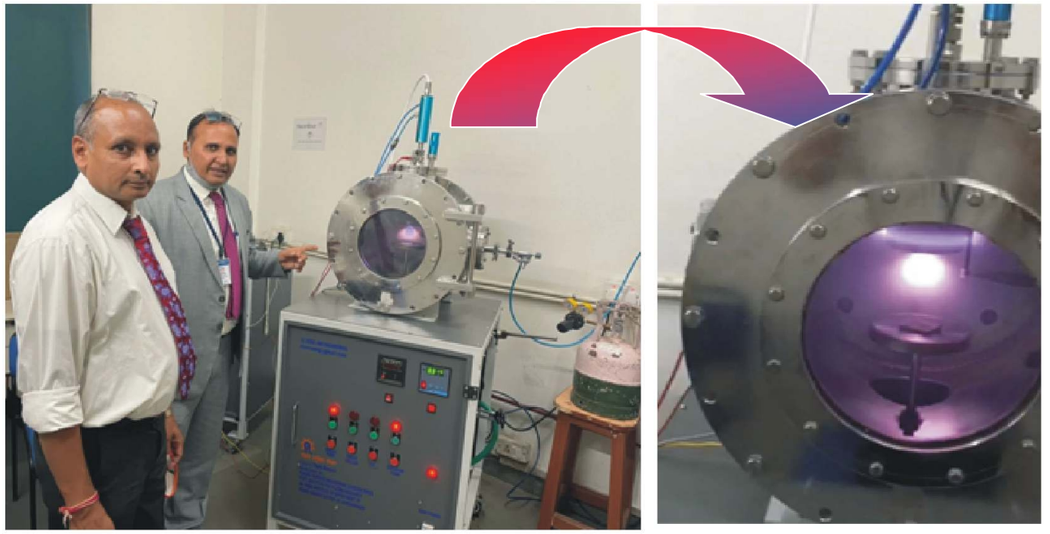








TECH PAGE



Department of Mechanical Engineering has recently established a new and innovative Plasma Research Facility sponsored by BRNS. This facility will be useful for Plasma Itching, Plasma Coating & Material Functionalization. It will be helpful for the scholars pursing their B.Tech. projects, M.Tech. Dissertation and Ph.D.

CLUB ACTIVITIES

- No. of Publications in High Impact Factor Journals: 53
- No. of Publications in Conferences: 133
- No. of Books Published: 06
- No. of Book Chapters: 08
- No. of Patents: 03
- No. of Research Projects Sanctioned: 01 (Core Research Grant, SERB, DST)

S. No.	Name of the Club	Name of the Club Coordinator	Name of Student Coordinator
1. 2.	Auto Botz Robotics Club Mechanical Engineering Modelling Club	Dr. Rohit Singla Dr. Rohit Sharma	1. Mr. Rohit Kumar 1. Mr. Kunal Mehta, 2. Mr. Ishan Dalmia, 3. Mr. Apoorva Singh
3.	Hybrid Automotive Vehicle Club	1. Ms Khushbu Yadav 2. Mr. Sumit Sharma	1. Mr. Anubhav
4.	Computational & Simulation Club	1. Dr. Ravindra Kannojia	1. Piyush Aneejwal 2. B.V. Siva Sainath 3. Sidharth Radhakrishnan 4. Bappaditya Das
5.	Additive Manufacturing and Industries 4.0 Club	1. Dr. Sumit Gupta	1. Mr. Ayushman Sharma
6.	ASHRAE	1. Dr. U. K. Vates	1. Ms. Raj Nandini
7.	Cultural	1.Dr. Meeta Sharma 2. Mr. Manish Kumar Ojha	1. Yash Anand 2. Ojasvi Rajeev Sharma 3. Swabhi Dinesh Bajpai 4. Sania
8.	ASME	1. Dr. Rohit Sharma	1. Mr. Kunal Mehta, 2. Mr. Ishan Dalmia, 3. Mr. Apoorva Singh
9.	SAE Student Chapter	1. Mr Ajay Sharma 2. Dr. Vipin Kaushik	1. Mr. Rohit Kumar
10.	ISTE Club	1. Dr. Priyank Srivastava	1. Mr. Sony Setia

(A) Additive Manufacturing & Industries 4.0 Club

IET Student Chapter, Department of Mechanical Engineering, IET Student Chapter and Additive Manufacturing & Industries 4.0 Club organized a webinar on "Dream Big and Study at the Top Rated Global Universities" on 31-03-2021 by Mr. Anurag Kumar Srivastava from University of Turin Italy.

(B) Hybrid Automotive Vehicle Club

Visit of 04 students namely Mr. Shailendra Kumar Singh, Ms. Ragini K. Sinha, Mr. Satyam Singh and Mr. Ali Mehdi from M.Tech. (Automobile Engineering) along with two of our faculty members Mr. Sumit Sharma and Dr. Vipin Kaushik was carried out to "Renewable Energy India Expo 2021" which was planned under the ages of Hybrid automotive vehicle club, SAE club, and ASME club combined on 17/09/2021 (Friday) to enlighten the vision and knowledge of students with futuristic technologies.

STUDENT CORNER

(A) EVENT NAME- "Mega ATV Championship" Season-5. (2021)

Students of Department of Mechanical Engineering participated in Mega ATV Championship which is a national level ATV (All terrain vehicles) racing championship in India organized by "Autosports India". It was an inter college national level racing championship for engineering students basically for mechanical/automobile branches. It is a four-day design, manufacturing, and racing competition. The event was spread over a surprising 1000 acres with the longest track being 8.5 kilometers in length for Endurance race. Students were successful in clearing Safety test, Break test and technical inspection.

(B) EVENT NAME- Model Air Show

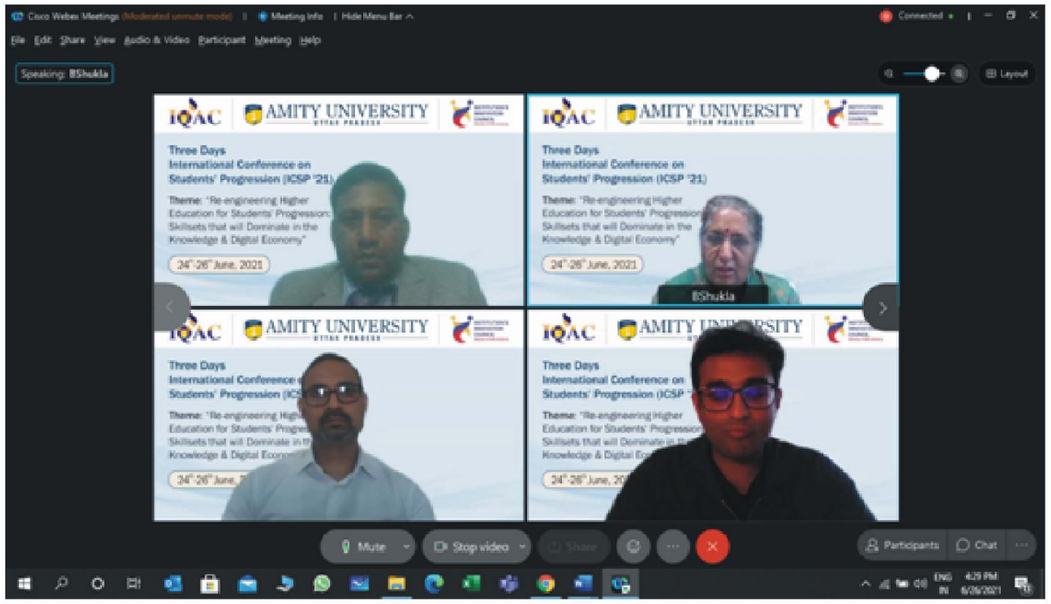
A 7 day workshop of Unmanned Aerial Vehicle (UAV) was conducted at Manikya Lal Verma Govt. Textile and Engineering College, Bhilwara, Rajasthan by RC Rajasthan. Students from various background attended the event. The highlight of the event was how students can learn to engineer drones and use them in various industries.

Mr. Piyush Aneejwal from our Department handled the engineering and piloted the drones. Also explaining the students the working and manoeuvring of the drones. The outcome of the event was students were motivated to pursue aeromodelling and learned its application.

ALUMNI CONNECT

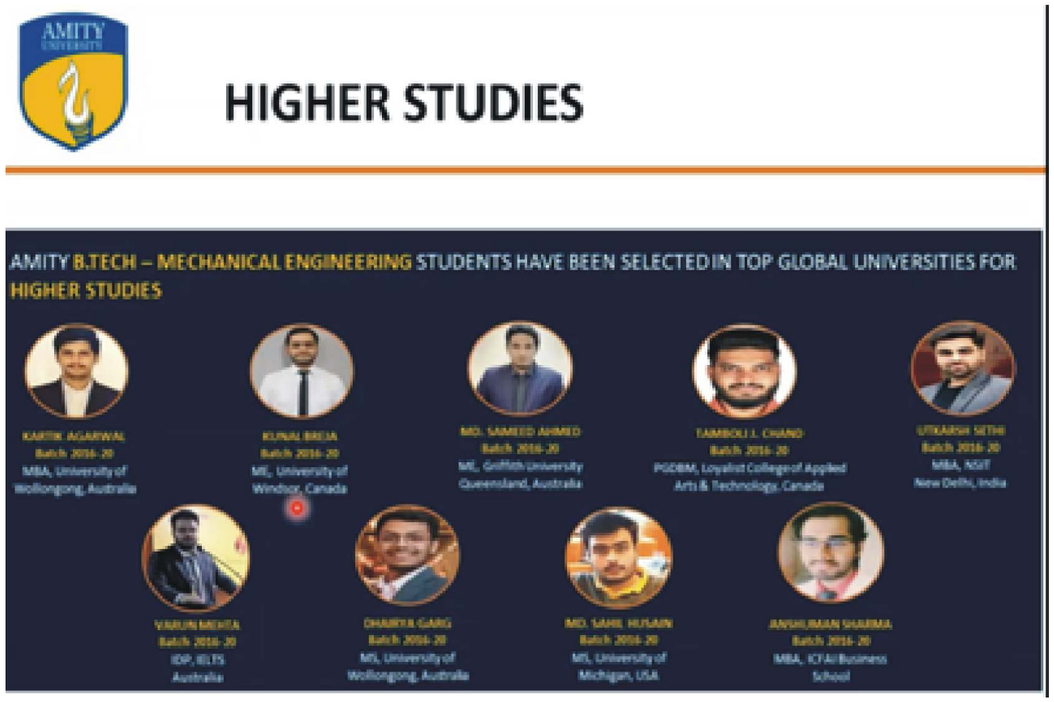
(A) Title of Activity: Ist International Conference on Students' Progression (ICSP'21)

Theme: "Re-engineering Higher Education for Students 'Progression: Skillsets that will Dominate in the Knowledge & Digital Economy".



STUDENT CORNER

(B) Title of Activity: Department of Mechanical Engineering on 02/07/2021 at 10:00 AM - 11:00 AM, Amity University, Noida



(C) Notable Alumni

Mr. Saurabh Ladia (2007)
Engine Calibration Engineer,
Volvo Trucks, Sweden

Mr. Siddharth Gupta (2008)
Vice President
Harish Chandra India Limited

Mr. Shobhit Arora (2008)
Head of Channel and Distribution-
Europe Region, Apollo Vredestein B.V.

Mr. Karan Chopra (2008)
Head Marketing,
US Advertising

Mr. Nitin Rawat (2008)
Managing Partner
Prthiwiraj Industries

Mr. Bharat (2008)
Partner
Samta Motors

Mr. Ankur Dwivedi (2008)
General Manager,
PCA General Trading

Mr. Amandeep S. Chhabra (2008)
Partner,
Amardeep Co. Baby & Toy Prod.

Mr. Sahaj Sandhu (2009)
Founder,
Sandglass Innovation Lab Pvt. Ltd.

Mr. Himanshu Bajpai (2011)
Founder,
3S Fitness Technology Pvt. Ltd.

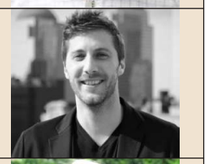
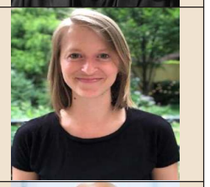
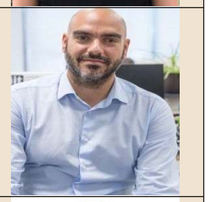
Mr. Aditya Pratap Singh (2016)
Propulsion System CAE Engineer,
Volvo

Ms. Rimi Sinha (2020)
Product Analyst (R&D)
Michelin India

(d) Internationalization

(i) SAP Exposure

Mr. Utsav Walia, a student of B.Tech. (ME) visited to Amity University, Dubai Campus in his 8th semester for having international exposure.

S. No.	Name of the Speaker	Designation and Name of the Organization	Title of the Lecture and Date	
1.	Mr. Deepak S. Mane	Data Scientist/Enterprise Solution Architect, Tata Consultancy Service (Research Wing), Sydney, New South Wales, Autralia	Machine Learning in Thermal Management of Smart Cities / 15-04-2021	
2.	Dr. Ryo Kikuuwe	Professor, Machinery Dynamics Laboratory, Graduate School of Advanced Science and Engineering, Hiroshima University, Japan	Applications of Differential Inclusions to Control and Simulation of Mechanical Systems / 23-06-2021	
3.	Mr. Kenton Phillips	Senior Energy Analyst, Buro Happold Engineering	HVAC-Driven Building Envelope Design / 12-07-2021	
4.	Ms. Aurora Jensen	Sustainability Engineer, Buro Happold Engineering	Studying embodied carbon of within building and HVAC systems / 12-07-2021	
5.	Dr. Daniele Pucci	Professor and Head of Dynamic Interaction Control Center for Robotics and Intelligent Systems Istituto Italiano di Tecnologia (IIT) Genova	Give humans the ability to exist in another place via humanoid robots / 27-07-2021	
6.	Prof. Ayon Chakraborty	Associate Professor, School of Engineering, Information Technology and Physical Sciences, Federation University, Australia.	Quality 4.0 / 07-10-2021	

(iii) International Visiting Faculty in the Department

S. No.	Name of the Faculty	Name of the Department and Institute	Designation	Title of Joint Work	
1.	Dr. Adam Jacso	Department of Mechanical Engineering, Budapest University of Technology and Economics, Hungary	Associate Professor (Manufacturing)	Development of New Tool Path Generation Algorithms For High-Speed CNC Milling Using AI	

STUDENT PLACEMENTS/ ACHIEVEMENTS

(A) Student Placements

Mr. Ritam Vajpeyi
2017-2021
Aimil

Mr. Harshal Vaid
2017-2021
Aimil

Mr. Kawin Singh
2017-2021
iconma Expertise You Can Trust

Mr. Rishab Chaudhary
2017-2021
iconma Expertise You Can Trust

Mr. Shubham Singh
2017-2021
amazon

Mr. Yash Bajpai
2017-2021
DXC.technology

Mr. Ripudaman Sharma
2017-2021
DXC.technology

Mr. Vikramjeet Kundu
2017-2021
DXC.technology

Mr. Sarthak Kaintura
2017-2021
DXC.technology

Mr. Avi Agarwal
2017-2021
DXC.technology

Mr. Anshraj Mathur
2017-2021
DXC.technology

Mr. Abhishek Singhal
2017-2021
DXC.technology

Mr. Shubham Jain
2017-2021
DXC.technology

Mr. Sourabh
2017-2021
maxop

Mr. Lalit
2017-2021
maxop

Mr. Rahul
2017-2021
maxop

Mr. Inderjeet
2017-2021
maxop

Mr. Shubham Mathur
2017-2021
maxop

Mr. Harshit Sharma
2017-2021
maxop

Mr. Praveen Rajpoot
2017-2021
maxop

Mr. Aman Khurana
2017-2021
PHRONESISPARTNERS simplifygrowth

Mr. Salil
2017-2021
PHRONESISPARTNERS simplifygrowth

Mr. Kumar Swastik
2017-2021
PHRONESISPARTNERS simplifygrowth

Mr. Sajal Garg
2017-2021
MOON BEVERAGES LIMITED

Mr. Prairit Sharma
2017-2021
MOON BEVERAGES LIMITED

Mr. Tarun Rana
2017-2021
MOON BEVERAGES LIMITED

Mr. Sarthak Mamgain
2017-2021
MOON BEVERAGES LIMITED

Mr. Aseem Acharya
2017-2021
MOON BEVERAGES LIMITED

Mr. Mukul Srivastava
2017-2021
MOON BEVERAGES LIMITED

Mr. R. Sri Rama Sarma
2017-2021
COMPAGE AUTOMATION

Ms. Priyanka Singh
2017-2021
COMPAGE AUTOMATION

Mr. Sumeet Dixit
2017-2021
Reliance

Mr. Anshul Bisht
2017-2021
Reliance

Mr. Harsh Wardhan Singh
2017-2021
Reliance

Mr. Harshit Sharma
2017-2021
Reliance

Mr. Tanmay Gupta
2017-2021
Reliance

Mr. Debdotto Chakravorty
2017-2021
LIDO

Mr. Mohd. Shad Siddiqui
2017-2021
LIDO

Mr. Kartik Sharma
2017-2021
TalentServe

Mr. Navnidh Singh
2017-2021
nagarro

(B) Students Achievement

Name and Programme of Student	Achievement/ Award title	Awarding/ Organising Body	Date/Duration of Achievement
Vishakha Baghel, Ph.D. ME Department, ASET, Noida)	Post-Doctoral Fellow	IPR Gandhinagar, Gujarat, India	15-03-2021
Bilal Nazeer, B. Tech (ME Department, ASET, Noida)	Project (Regenerative Clutch system), INR 9.5 lacs	MoEs Innovation Cell, AICTE	18-11-2021

UPCOMING EVENTS

Department of Mechanical Engineering is going to organize the 3rd Biennial International Conference on Future Learning Aspects of Mechanical Engineering from 3rd to 5th August, 2022. The conference will have renowned speakers from India and Abroad. Apart from that the conference will have pool of scientists and scholars across the globe for presenting their work.

AMITY INNOVATION AND DESIGN CENTRE

Dr. Sujata Pandey
HoD-Amity Innovation and Design Centre

It gives me immense pleasure to inform about the activities of Innovation and Design Centre. This centre was established at ASET in 2018. Through this centre we are reaching all the institutions of Amity University to develop an innovation and Entrepreneurial mindset of the students and help them realizing their ideas. The centre is working proactively to work on different inoovative projects of the students with funding from Amity University Uttar Pradesh. We are also doing activities of Institution Innovation Council, associated with Ministry of education Innovation cell. The main agenda of IIC is to promote Innovation and Campus Entrepreneurship. We invite all to join in the programmes and initiatives of innovation and design centre.

HAPPENINGS@AIDC, ASET

Display during NAVY DAY, 4th December 2021

Mr. Rohit Kumar, 4th year B.Tech EEE student displaying his prototype, “Health saviour for fire fighters for Indian Navy” before Shri Rajnath Singh, Hon'ble Defence Minister, Govt. of India.

Prototypes developed at AIDC

Tethered Under Water Vehicle with Dextrous Arm for Indian Navy

Indian Navy offer a project to our interns about the Underwater vehicle with dexterous arm. The Under Water Vehicle has several features as per Navy suggest. The UWV has included two dexterous arm which is the requirement of Indian Navy. The two dexterous arm is under development. The vehicle shown in figure is under process of development, but we achieve the target of moving forward backward, up and down in inside the water.

Portable Roasting machine

Our proposed invention is the miniature automated roasting machine which is specifically designed for domestic use and can also be used in the small-scale business. The proposed machine will be used for roasting of murmura, nuts, chana, peanuts, fox-nut, etc. The businesspeople can be consistent because everything will be in their hand. Domestic individuals can eat these roasted products without the worry of hygiene. The machine is user friendly and doesn't require user attention all the time. The machine will be enabled with smart technologies with the use of IoT and can be operated from a mobile app from anywhere in the house. The processing time can be seen through both the app and the control panel in the machine.

Design 1

Design 2

RoboDoc

The robot is capable of monitoring vital signs for healthcare while providing the doctors a safe distance from the patient to lower the risk of infection. Signs like - Heart rate monitoring, body temperature detection through infrared sensors, food and medicine delivery system, constant video streaming ability for the doctors through the robot and a set of robotic grippers in accordance with an inbuilt system of sanitizing through alcohol using certain pipes and pumps throughout the bot, allows us to make a fail proof system.

Amidst the current crisis of availability of PPE for doctors and health workers we have seen cases where they are exposed to potential cases and are at a risk of infection, we seek to provide a cost effective yet robust and modern solution to tackle this situation with utmost efficiency and do our bit as engineers.

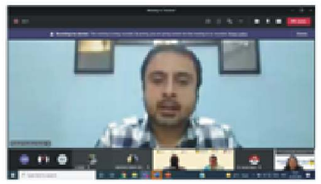
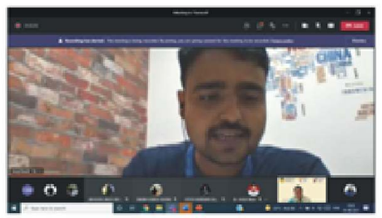
3D printed ideas of students of IPDE course " Introduction to 3D Printing"

CLUB/COUNCIL ACTIVITIES

Institution Innovation Council- Amity University is organising various innovation and Entrepreneurship related Activities

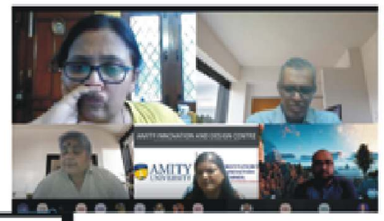
Innovation and Entrepreneurship Talk Series –Episode 6

Date: 5.8.2021
No. of Students: 234
No. of Faculty: 20

Orientation Session for IIC4.0 new members

Date: 7.8.2021
No. of students: 95
No. of Faculty: 30



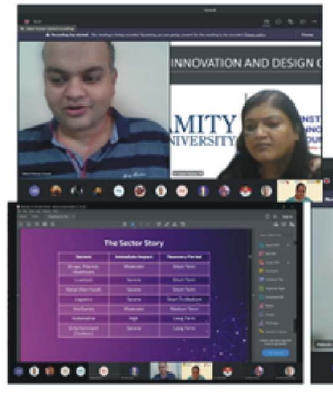
Orientation Session
for
IIC 4.0 Council
2021-22
by
Innovation Mentors

Saturday, 7th August 2021
12:00 PM-01:30 PM

Registration Link: https://bit.ly/37p85HK

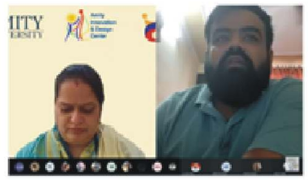
Online Workshop on Entrepreneurship and Innovation as Career Opportunity

Date: 7.8.2021
No. of Students: 101
No. of Faculty: 26



My Story – Motivational Session by Startup Founders

Date: 12.8.2021
No. of Students: 250
No. of Faculty: 14

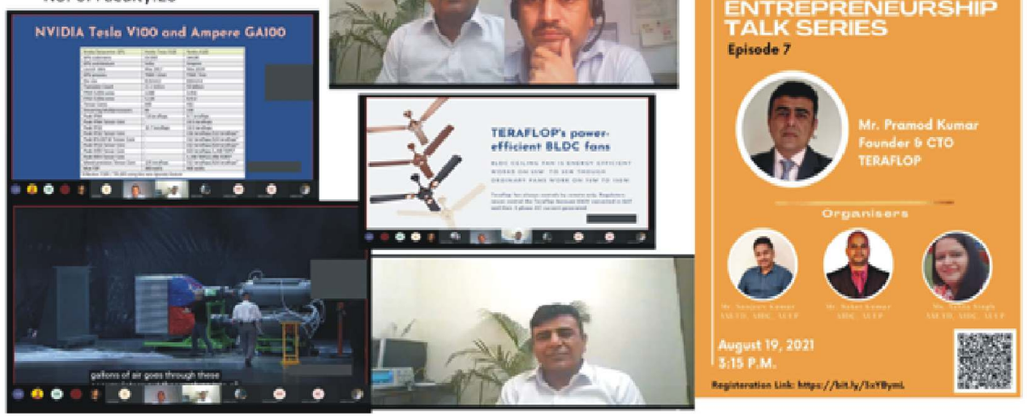


Capacity Building Workshop on Android Application for budding Entrepreneurs/Startups

Date: 19th August 2021
No. of Students: 160
No. of Faculty: 17

Innovation and Entrepreneurship Talk Series – Episode 7

Date: 19.8.2021
No. of Students: 62
No. of Faculty:20



Weeklong celebration of World Entrepreneurs' Day

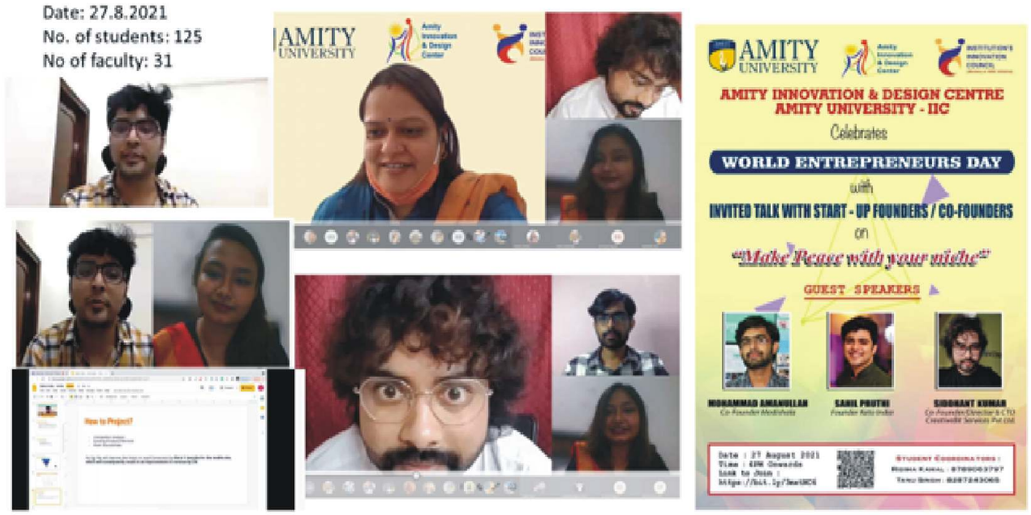
Date: 21.8.2021 – 28.8.2021

Panel discussion with student entrepreneurs

Date: 26.8.2021

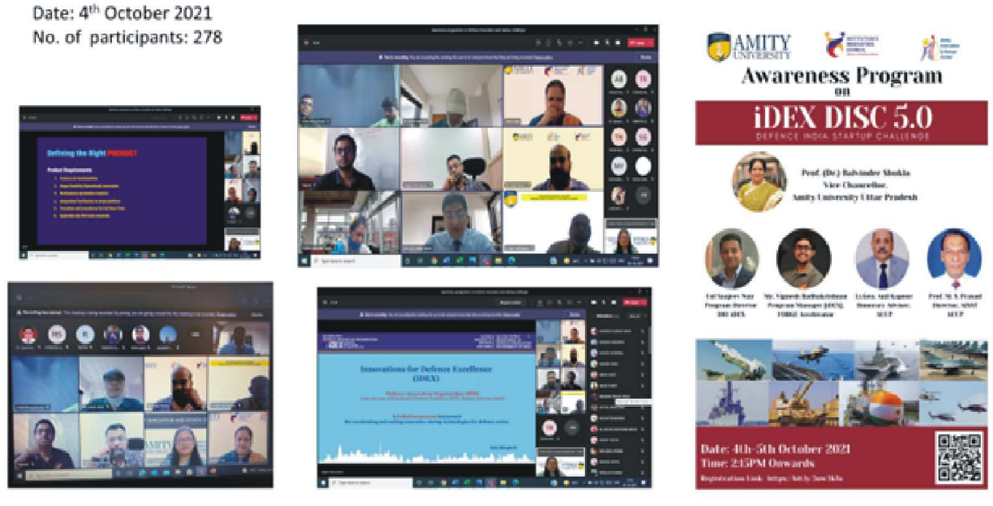
Invited talk with Start up founders/co-founders

Date: 27.8.2021
No. of students: 125
No of faculty: 31



Awareness programme on iDEX Defence Innovation Startup Challenge 5.0

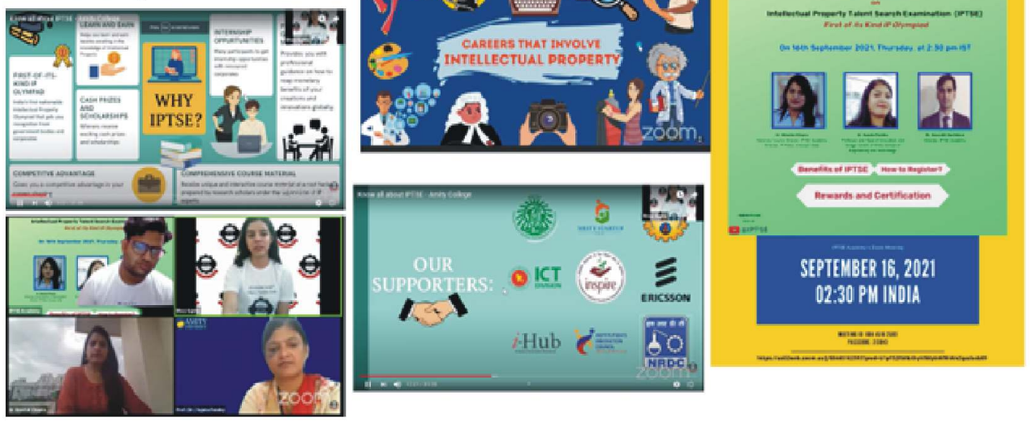
Date: 4th October 2021
No. of participants: 278



Podcast on Importance of Intellectual Property and Intellectual Property Talent Search Examination

https://www.youtube.com/watch?v=-4CnVdkpFxA

Date: 16.9.2021
No. of students: 102
No. of faculty: 12



Webinar on How to file Innovative Design Patent and Copyright

07th October 2021, 02:15 PM onwards
Total participants attending the event: 130

Inauguration of INNOVATION WEEK celebration

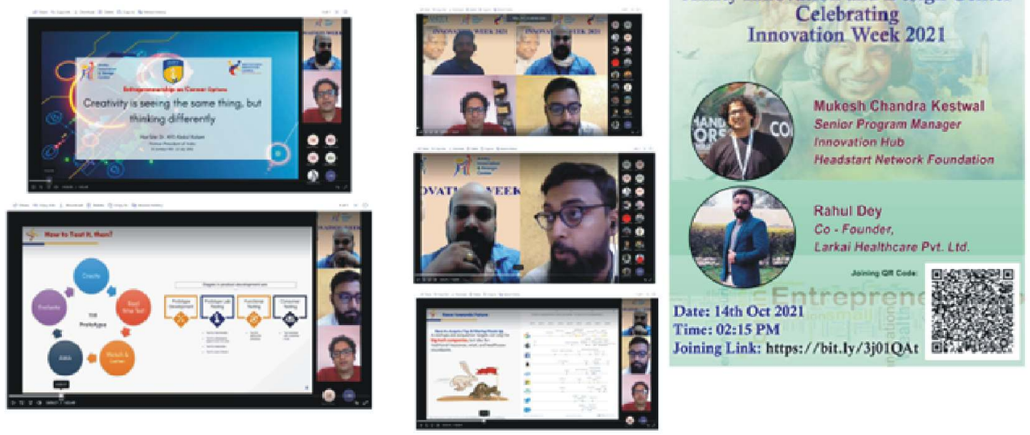
Date: 11.10.2021

Speakers: Mr. Arun Malik. AIRTEL
Dr. Neeraj Sharma DST
Dr. Mohit Gambhir, MIC

Panel discussion on Entrepreneurship as Career Option

14th October 2021, 2:15 PM onwards

Total participants attending the event: 130



How an idea turned into a startup

Date: 14th 10.2021
No. of participants: 104

Success Stories of Alumni Entrepreneurs

14th October 2021, 4:15 PM onwards

Total participants attending the event: 189

Session on "Managing Innovation Through Customized Product Development"

18th October 2021, 2:10 PM onwards

Total participants attending the event: 177

Valedictory session of INNOVATION WEEK CELEBRATION

Date: 22.10.2021

Speakers: Dr. Soumyakant Das, Co-Founder at MedTel Healthcare
Mr. Prasoon Gupta, Co Founder & CEO at Sattviko
Mr. R. Panneerselvam, Principal Director, MSME TDC

RESEARCH@AIDC

No. of Journal Publication: 6

No. of Conference Publications: 12

UPCOMING EVENTS

AMITY UNIVERSITY
Amity Innovation & Design Center
INSTITUTION'S INNOVATION COUNCIL
ONLINE EUREKA 2022
INNOVATIVE DESIGN PROJECT & POSTER MAKING COMPETITION
SHOWCASE YOUR DESIGN SKILLS
AT 4TH INTERNATIONAL CONFERENCE ON ENTREPRENEURSHIP, INNOVATION & LEADERSHIP (ICEIL) 2022
20th -22nd JANUARY, 2022
LAST DATE OF REGISTRATION: 10TH JANUARY 2022
TOP 3 WINNERS WILL GET MERIT CERTIFICATES & 1 YEAR FREE MEMBERSHIP OF TIE DELHI NCR
PARTICIPATION CERTIFICATES FOR ALL
NO REGISTRATION FEE REQUIRED
FOR MORE DETAILS, PLEASE CONTACT
REGISTRATION LINK: www.amity.edu/iceil2022
Supported by
DELHI NCR

AMITY UNIVERSITY
UTTAR PRADESH
Amity School of Engineering Technology
IEEE INTERNATIONAL
MOBILE AND EMBEDDED TECHNOLOGY CONFERENCE
(MECON - 2022) IEEE Record No. #53876
10th - 11th March 2022, Amity University Uttar Pradesh, Noida, India
Amity Innovation & Design Center
Technically Co-Sponsored by IEEE
In Association with:
Industry Session
Future Research Trends in Mobile Communication
Emerging Research & Development areas in Embedded Technologies
Upcoming Innovation and Products in Mobile and Embedded Technologies
Submission Deadline: 20th Jan 2022
Acceptance Notification: 30th Jan 2022
Registration Deadline: 10th Feb 2022
Submission QR Code
Easychair Link: https://easychair.org/conferences/?conf=mecon2022
Distinguished Speakers
Dr. Ashok Agrawala Fellow IEEE, Maryland University, USA
Dr. Mohd S. Obaidat Fellow IEEE, University of Sharjah, UAE
Dr. Oliver Arnft Friedrich-Alexander Universität Erlangen-Nürnberg (FAU) Germany
Dr. Kazuya Kobayashi Fellow IEEE, Fellow URSI, Chuo University, Japan
Dr. Manos Tentzeris Fellow, IEEE, Georgia Institute of Technology, USA
Dr. C. J. Reddy Fellow IEEE, Electromagnetics Altair, USA
Dr. Lajos Hanzo Fellow, EURASIP, University of Southampton, U.K.
Dr. Emil Bjornson Fellow IEEE, KTH Royal Institute of Technology, Sweden
Dr. Amlan Chatterjee California State University USA
Dr. Kaibin Huang Fellow IEEE, The University of Hong Kong, Hong Kong
Dr. Giulio Antonini University delivers studi dell'Aquila,'Aquila, Italy
Dr. Nuno Borges Carvalho Fellow, IEEE, Universidade de Aveiro, Portugal
Dr. Timothy O' Farrell University of Sheffield , UK
Dr. Zeljko Zilic Mc Gill University Canada
Dr. Rafael F. S. Caldeirinha Polytechnic Institute of Leiria and Instituto de Telecomunicações, Portugal
Dr. Anthony Ghiotto Bordeaux Institute of Technology, France
Dr. Xavier Fernando Ryerson University Canada
Dr. Sharad Sharma Bowie State University, USA
Dr. Xiaohang Li KAUST, UAE
Dr. Yogesh S. Chauhan Fellow, IEEE, Indian Institute of Technology Kanpur, India
Dr. Slawomir Nowaczyk Halmstad University Sweden
Dr. Sardar M. N. Islam Victoria University Australia
Dr. Afaq Ahmad Sultan Qaboos University Oman
Dr. Atif Shamim KAUST, UAE
Dr. Shankar Prakriya Indian Institute of Technology Delhi, India
Dr. Nasimuddin Institute for Infocomm Research, A-STAR, Singapore
Dr. Meena Jha Central Queensland University, Australia
Dr. Ramani Kannan Universiti Teknology PETRONAS (UTP), Malaysia
Dr. Mahesh P Abegaonkar Indian Institute of Technology Delhi, India
Dr. Karun Rawat Indian Institute of Technology Roorkee, India
Dr. Mohamed-Slim Alouini KAUST, UAE
Dr. Keshav Singh National Sun Yat-sen University, Taiwan
Dr. Kinde Anlay Fante Jimma University Ethiopia
Dr. Korhan Cengiz University of Fujairah UAE
Dr. Eng Hock Lim University Tunku Abdul Rahman, Malaysia
Dr. Seshan Srirangarajan Indian Institute of Technology Delhi, India

CORPORATE RESOURCE CENTRE

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.

MESSAGE FROM DY. DIRECTOR,
PLACEMENT AND INDUSTRY RELATION OF CRC

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. We have presented great opportunities with high salary packages in niche areas and core companies to the students of passing out batch of 2022. Kudos to the teamwork!

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

HIGHLIGHTS OF 2021 -2022

- one company for every 10 students
- 350+ 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 2018-22
- 25+ webinars and Value Added workshop hosted for promoting industry-academia handshake
- Initiated Industry Mentor-Mentee connect programme
- Added 45+new Accounts in the year 2021 2022 including 14 accounts for non-Circuit branches.
- 25 Accounts with salary above 10 LPA and around 150 students placed with package more than 10 LPA.
- Highest salary package offered by CRC is 52 LPA (Amazon)
- Average salary package offered by CRC is 6.47 LPA

UPCOMING EVENTS

- Pre-placement briefing sessions for students of passing out batch 2023 in July 2022
- Skill Development Workshop on Employability Skills for Industry Ready Engineers in July- August 2022
- Corporate Forum in September 2022
- Placement preparatory activities: Grooming session & Practice sessions
- Webinars by prospective recruiters
- Initiation of Aspiration Survey for junior student batches

SUMMER INTERNSHIP PLACEMENT

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 characterised 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 MAY-JUNE 2021

airtel	NOKIA	AT&T	L&T		BIF BROADBAND INDIA FORUM	ULAVI
COGNITENSOR by AI COMPANY	SANDHAR Growth. Motivation. Better Life	motherson techno tools	REVE Systems		ITyukt	maxop
FITNESS TECHNOLOGIES		BlueTeak Labs	EVI Technologies	radio design	TIPL	CLEAR EXAM
ESCORTS	amazon	spice Digital	BLUETOWN	RateGain	mCARBON	JS Enviroteics
	GEAZY BUSINESS SOLUTIONS	OHSL	theflak group	POLYPLEX	Dixon	---and many more

PLACEMENT 2021-2022 BATCH

S. No.	Company Name	Package
1.	Amazon	52 LPA , 30 LPA & 28 LPA
2	Appwrite Code LTD	35.5 LPA
3	Trilogy Innovations	36.5 Lakhs
4	PALO ALTO NETWORKS	36.5 LPA
5	COMMVAULT	29 LPA
6	MORGANSTANLEY	27 LPA
7	AlphaGrep	20 LPA
8	Lowe's India	19 LPA
9	Workz Group Dubai	17 LPA, 14 LPA
10	INE	15LPA
11	GROUPON	15 -18 LPA
12	Akamai	13 LPA
13	CISCO NetAcadIdeathon	19 LPA , 17.5 LPA & 14.95 LPA
14	TEKION INDIA PRIVATE LIMITED	12 LPA
15	CIENA INDIA	12 LPA
16	Chaayos	12 LPA
17	HT Media	12 LPA – 15 LPA
18	ZS Associates	11.7 LPA
19	Shell	11.3 LPA
20	Fractal Analytics	10.5 LPA
21	VMWARE	10.5 LPA

S. No.	Company Name	Package
22	MCAFEE	10 LPA
23	Absolute Foods	10 LPA
24	SHL India	10 LPA
25	ZopSmart Technology Pvt Ltd	10 LPA
26	Raitgain	10 LPA
27	Adobe	10 LPA
28	Verse Innovations	10-12 LPA
29	GE Research	B.Tech – Rs 9,43,968/- M Tech – Rs 10,16,365/-
30	Amadeus Software Labs	9.3 LPA
31	LEAD	9 LPA
32	BirdEye	9 LPA
33	FIS GLOBAL	8.6 LPA
34	Precisely Software & Data India Private Limited	8.5 LPA
35	HashedIn by Deloitte	8 LPA
36	ACCOLITE DIGITAL	8 LPA
37	PURE SOFTWARE	8 LPA
38	Yamaha	8 LPA
39	mphrX	8 LPA
40	JSW GROUP	8 LPA

OUR TOP RECRUITERS

INTERNATIONAL@ASET

Shreya Kastura
B.Tech.(CSE)
Batch:2018-2022
Semester Abroad
University of Florida, USA

Devansh Goel
B.Tech.(CSE-3C)
Batch: 2018-2022
Semester Abroad
University of Florida, USA

Ayati Maitra
B.Tech.(CSE)
Batch: 2018-2022
Semester Abroad
University of Florida, USA

Sukanth
B.Tech. (CSE-3C)
Batch: 2018-2022
Semester Abroad
University of Florida, USA

Kumar Vinayak
B.Tech. (IT)
Batch: 2018-2022
Semester Abroad
University of Florida, USA

Akshita Sharma
B.Tech. (CSE)
Batch: 2018-2022
Semester Abroad
University of Florida, USA

Vishnu S Nair
B.Tech. (CSE)
Batch: 2018-2022
Semester Abroad
University of Florida, USA

Gurazeez Singh
B.Tech. (CSE)
Batch: 2018-2022
Semester Abroad
University of Florida, USA

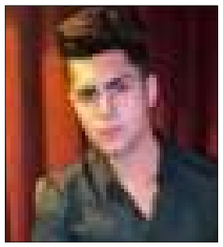
Apoorva Padhi
B.Tech.(CSE)
Batch: 2018-2022
Semester Abroad
University of Florida, USA

Saksham Nagar
B.Tech. (CSE)
Batch: 2018-2022
Semester Abroad
University of Florida, USA

Amisha Singhal
B.Tech. (CSE)
Batch: 2018-2022
Semester Abroad
University of Florida, USA

Hritik Baweja
B.Tech. (CSE)
Batch: 2018-2022
Semester Abroad
University of Florida, USA

Abhay Aggarwal
B.Tech. (CSE-3C)
Batch: 2018-2022
Semester Abroad
University of Florida, USA



Shaurya A Wahal
B.Tech. (CSE-3C)
Batch: 2018-2022
Semester Abroad
University of Florida, USA

Param Gupta
B.Tech.(CSE-3C)
Batch: 2018-2022
Semester Abroad
University of Florida, USA

Kushank Singh
B.Tech. (CSE)
Batch: 2018-2022
Semester Abroad
University of Florida, USA

Raghav Soni
Programme: B.Tech. (CSE)
Batch: 2018-2022
Semester Abroad
University of Florida, USA

Avneesh Atrey
B.Tech. (CSE)
Batch: 2018-2022
Semester Abroad
University of Florida, USA

Adityansh Kapasia
B.Tech. (CSE-3C)
Batch: 2018-2022
Semester Abroad
University of Florida, USA

Prateek Sharma
B.Tech. (CSE)
Batch: 2018-2022
Semester Abroad
University of Florida, USA

Vivaan Goomer
B.Tech. (CSE-3C)
Batch: 2018-2022
Semester Abroad
University of Florida, USA

Pratham Agarwal
B.Tech. (CSE)
Batch: 2018-2022
Semester Abroad
University of Florida, USA