



**DR. AKHILESH DAS GUPTA INSTITUTE OF
TECHNOLOGY & MANAGEMENT**



LECTRON 2021-2022



**ELECTRONICS AND COMMUNICATION
ENGINEERING DEPARTMENT**

OUR PATRONS



Late Shri Babu Banarasi Das Ji



Late Dr. Akhilesh Das Gupta



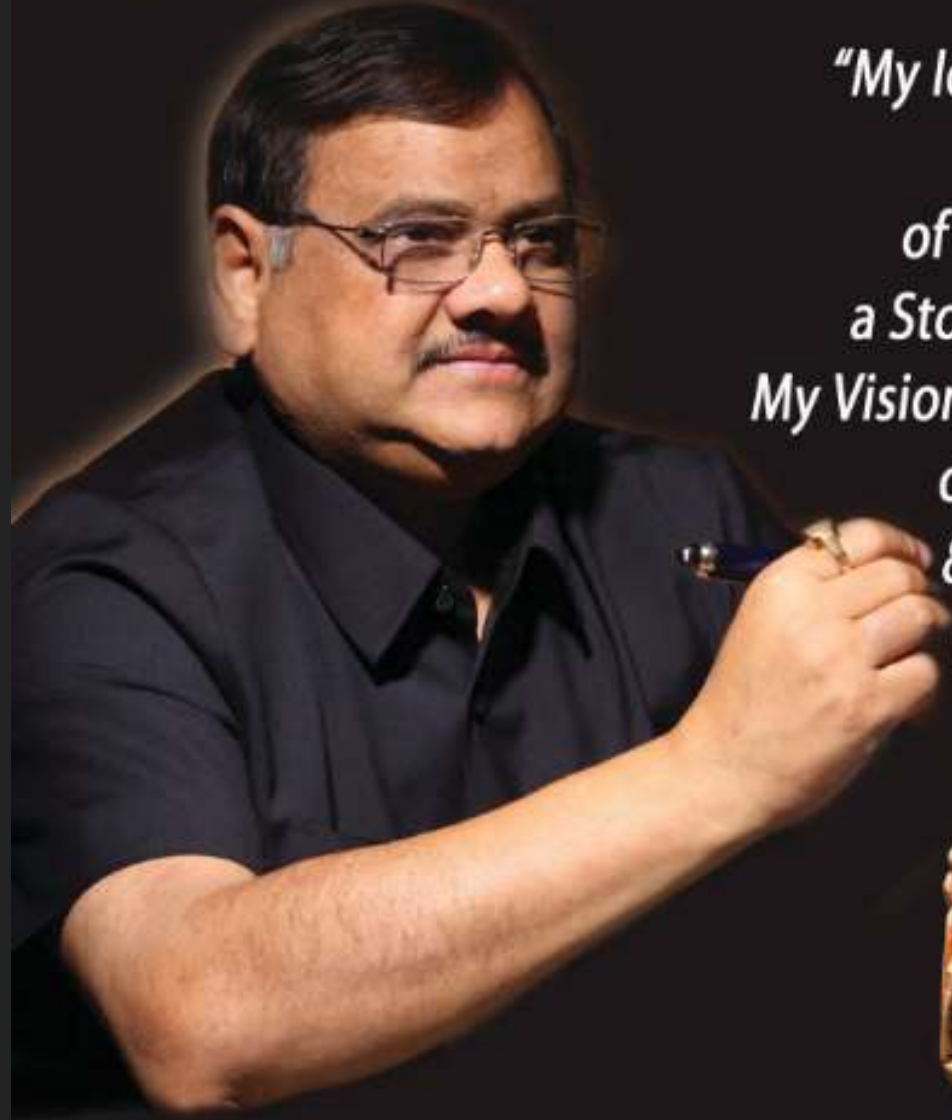
Mrs. Alka Das Gupta



Mr. Viraj Sagar Das Gupta



AKHIL JYOT



*"My Idea of a Society
is a River
of Education &
a Storm of Success.*

*My Vision of life is an Ocean
of Learning
& a Tide of
Humanity"*



शत शत नमन

Mrs. Alka Das Gupta

Chairperson
BBD Group of Education



Message from Chairperson

The Department of Electronics And Communication Engineering has always been the gem of the Dr. Akhilesh Das Gupta Institute of Technology and Management. The perennial zeal of the Department has never left the achievements stagnant. The Department not only gives students the exposure to the regular engineering curriculum but also to the aspirations of today's corporate world, thus inculcating a professional aptitude in them. The dedication of the faculty members has strengthened the learning process ensuring an environment of collaboration, experimentation, imagination, and creativity. It is such a prodigious delight in watching the students cutting edge in technical exploration, enhancing their analytical skills and brushing themselves up for the rapidly changing sector, and establishing themselves as entrepreneurs and engineers.

The Department has always reached new heights and I am looking forward to more wonders and achievements. I wish the very best to the Department of ECE for the launch of the **LECTRON**, the official technical magazine of the Department. The magazine beautifully provides an overview of academic programs, research activities, various laboratories, training and the other fields explored by our faculty members and students.

Mr. Viraj Sagar Das Gupta

President, BBD Group



Message from President

I am extremely happy to witness the shaping up of the next volume of **LECTRON**.

A special mention to the Editorial Board, who were able to capture the noteworthy proceedings of the ECE Department of Dr. Akhilesh Das Gupta Institute of Technology and Management and were also able to present it in an alluring manner. I thoroughly enjoyed myself going through the pages of this technical magazine.

This issue of the technical magazine is an insight to what campus life truly means, the surfeit events together represent the opportunities that one can take and augment their personalities up to the brim and be glorious predominantly.

I hope students and faculty members find this Edition as sound as I did. I congratulate the Department and the Editorial Board for this achievement.

Shri S. N. Garg

Chief Executive Officer



Message from CEO

Even after so many batches passing under my supervision, the joy and happiness remain constant. ADGITM is exemplary both from the point of view of merit as well as from the placement perspective. Our students have been placed in the best organisations of the country and we strive to maintain such decorum by which the students are benefited the most. With an aim to remain quality conscious ADGITM has put in efforts for providing the best industrial exposure along with a professionally ethical environment, where one can develop himself / herself on multiple levels. As technology is advancing at a very rapid rate, we have an experienced and well-qualified faculty panel to adjust to the market requirements and guide the students as and when required. The only way to become technically stimulated is by receiving the proper exposure to the world and that is what we inculcate in our students. Our institution is technology-friendly and we don't restrain students from experimenting new technologies and work styles, that is how we inculcate self-reliance and tech-savvy mind.

Prof. (Dr.) Sanjay Kumar

Director, ADGITM



Message from Director

"Engineering is not only the study of the technical subjects, but it is about living an intellectual life."

As the Director of Dr. Akhilesh Das Gupta Institute of Technology and Management, I strongly believe that education is not only about imparting knowledge but more about opening the individual's mind to self-expression. I have been personally encouraging students to develop an overall sensibility and awareness. Encouraging them to, not try, but make it happen.

I saw an overwhelming response by the students in not only technical domain but also in the branch of sports, art, dance, photography, music and a lot more. Students are our partners in our mission to set a new benchmark in the field of engineering. I am confident that with such a positive and progressive attitude they would be able to justify the credibility of the Department as well as the college by bringing laurels and what not.

I am immensely proud to observe a team of such enthusiasts. The next volume of the technical magazine of the Department of Electronics and Communication Engineering - **LECTRON**, has been able to make a count of all the achievements, hard work and dedication of the faculty members and students alike. I wish them luck.

Prof. (Dr.) Niranjana Bhattacharyya

HOD, ECE Department



Message from HOD

A child's psychology is the most difficult to understand. We at Dr. Akhilesh Das Gupta Institute of Technology and Management believe in imparting quality education to the students at a level where they can easily retain the knowledge and clear their basics to the pinnacle. Our staff members have been incessantly redefining the standard of erudition in a manner through which the students are equipped to face the challenges of future with their technical proficiency and scientific knowledge. The institution is highly esteemed with reference to its innovative endeavours, keen involvement and exceptional merit. I am proud to be a part of an institution that believes in putting the education of the students beyond everything. Igniting the youth with knowledge, life skills and ethics, we develop the students into confident, persuasive and practically insightful individuals. We encourage and imbibe them the lessons of self-reliance and discipline by letting them to take up multiple roles in different aspects of life. I extend my heartfelt congratulations to ADGITM, Delhi for being successful in producing strong individuals who believe in scripting stories of success with their unfailing resoluteness and indomitable will power.

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ABOUT ECE DEPARTMENT



The Department of Electronics and Communication Engineering is committed to render-quality and professional pedagogy to pioneering engineers. The ECE department provides opportunity for the students to learn and fulfill the industry demands of Communication Engineering. The Department has state of the art equipment, in various laboratories which is necessary to blend the theoretical & practical aspects of engineering. The Department offers Under-Graduate program in Bachelors of Technology. The Department has faculty members having expertise in wide variety of fields in Electronics & Communication. The department has a strong industry institution interaction.



VISION

To produce World class Electronics & Communication Engineers through academic excellence and innovations, who would be competent Technocrats with work ethics to meet the needs of the society.

MISSION

M1. To impart quality education for excelling in the field of Electronics & Communication Engineering to face real world challenges in existing and emerging domains.

M2. To provide a creative platform for promotion of innovations in the field of Electronics & Communication Engineering by keeping close proximity to industry.


M3. To provide conducive environment for development of work ethics and prepare socially responsible citizens.

PEOs of ECE Department

PEO1: Graduates shall excel in the field of electronics and communication engineering by applying their acquired knowledge and skills to develop feasible and viable solutions to engineering challenges of the country.

PEO2: Graduates shall be adaptive to innovations and new technologies which shall lead them to professional excellence.

PEO3: Graduates shall manage resources skillfully and practice the profession with ethics, integrity and social responsibility.



Workshop on Raspberry Pi

Raspberry Pi (RPI for short) is a widely popular range of single board computers (SBC) using Broadcom processors (Arm 32-bit and 64-bit architecture). These boards were inspired by Arduino development boards and were meant to, as said by Eben Upton, creator of these SBC's, take us "back towards that 1980's world in which every child who wanted to be a computer programmer had a machine that they can use to learn on". Owing to the power, price, flexibility, and huge community of these SBC's, RPi is very popular with hobbyists and professionals all around the world.

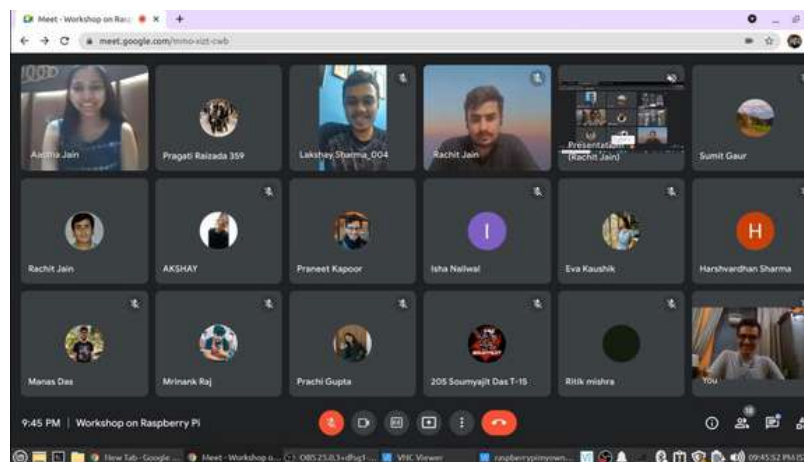
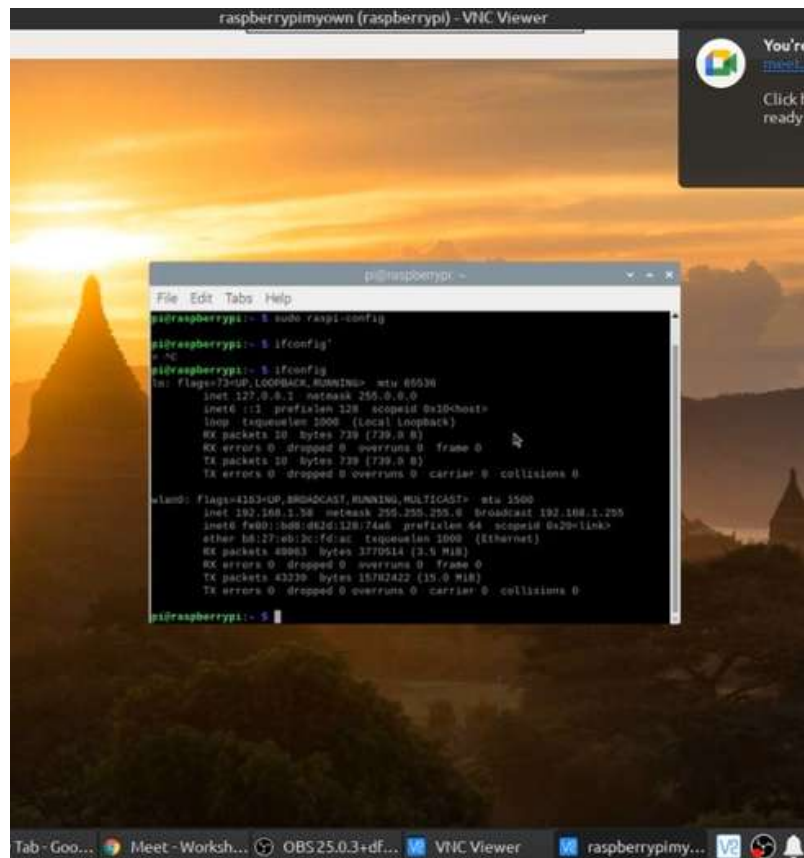
It has been observed that since the pandemic stuck in 2020, there has been a growing requirement for employees skilled in IoT. As IoT, in general, requires that the platforms be remote, a huge emphasis is being put on experience in Nodemcu and RPi.

Objectives

The objectives of this workshop were the following:

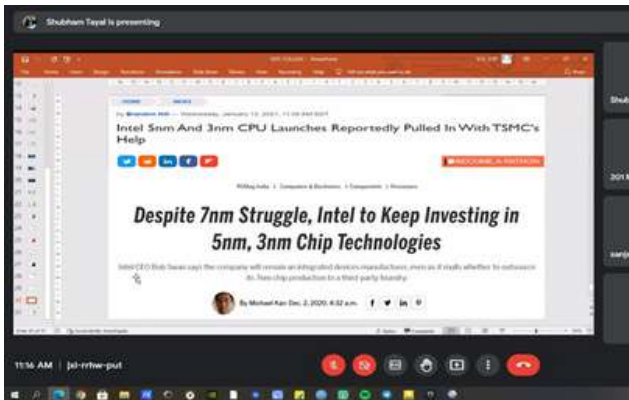
- To cultivate interest of members in the field of RPi.
- To give various practical demonstration to attendees on the working of some simple projects using RPi.
- To involve attendees in the demonstration of RPi and IoT projects.
- To answer the queries of participants as simply as possible without bogging them down with too much information.

The workshop was a huge success. All the objectives set before the workshop were achieved and the feedback of attendees was also quite positive. Attendees used were given a practical demonstration of control of RPi using VNC Viewer and SSH. Furthermore they were shown how a camera can be interfaced with RPi.

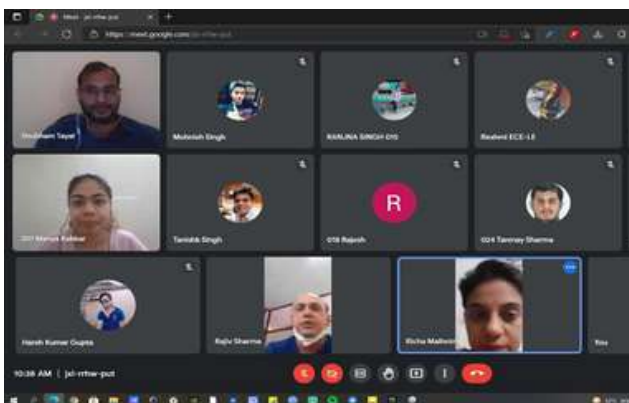


03 EXPERT TALK

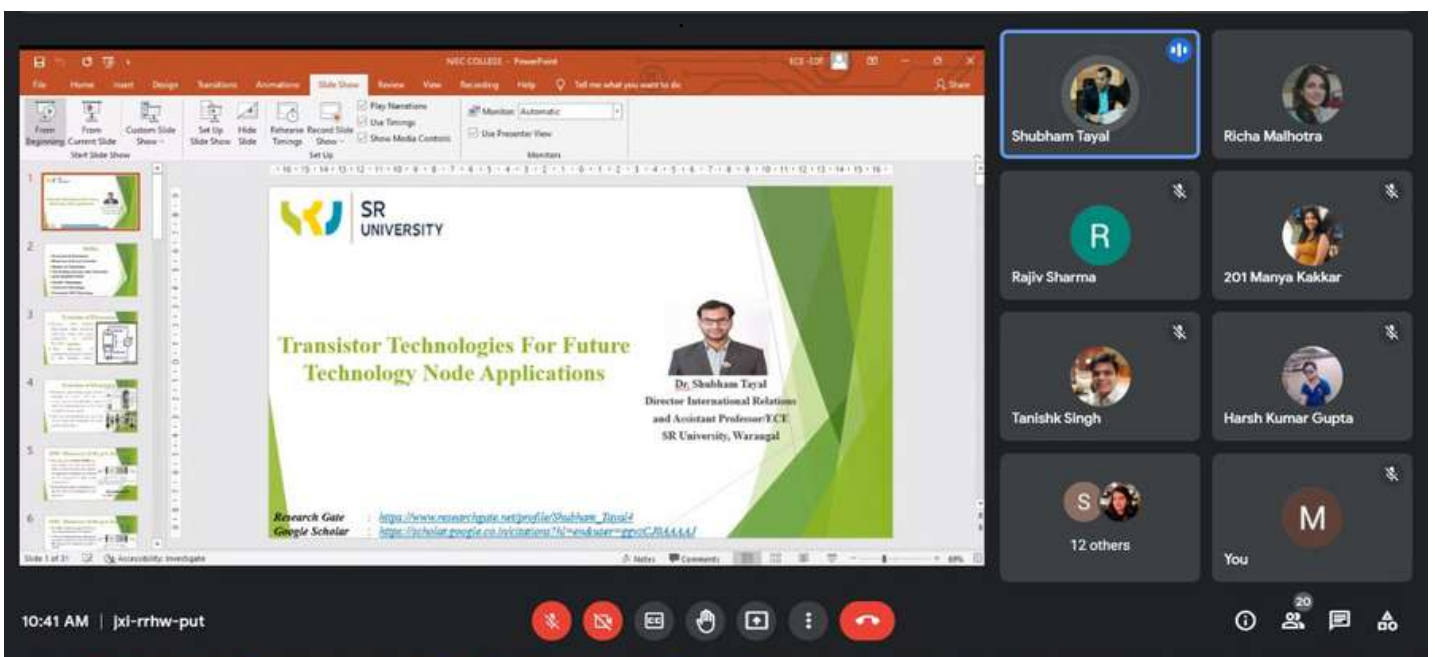
BY DR. SHUBHAM TAYAL



ECE Department of ADGITM organized a talk by Dr. Shubham Tayal, Assistant Professor in the Department of Electronics and Communication Engineering at SR University, Warangal, India.. He is the editor/co-editor of 8 books in total from CRC Press (Taylor & Francis Group, USA) and Springer Nature, and a recipient of Green Thinker Z International Distinguished Young Researcher Award 2020. His research interests include simulation and modelling of Multi-gate semiconductor devices, Device-Circuit co-design in digital/analog domain, machine learning, and IoT.



The objective of the expert talk was to give an insight to the students about how the semiconductor industry works and details of the transistors using various examples. Ms Shubham Tayal encouraged the students about how it is vital to not give up and interact with the people around you, taking small steps will assist you to accomplish your task. Students interacted and cleared their doubts about processors used these days, how the industry works He furthermore guided the students about how important final year college is for preparation.



04

STUDENT PROFESSIONAL TALK 1.0

BY MR. ANUJ GARG

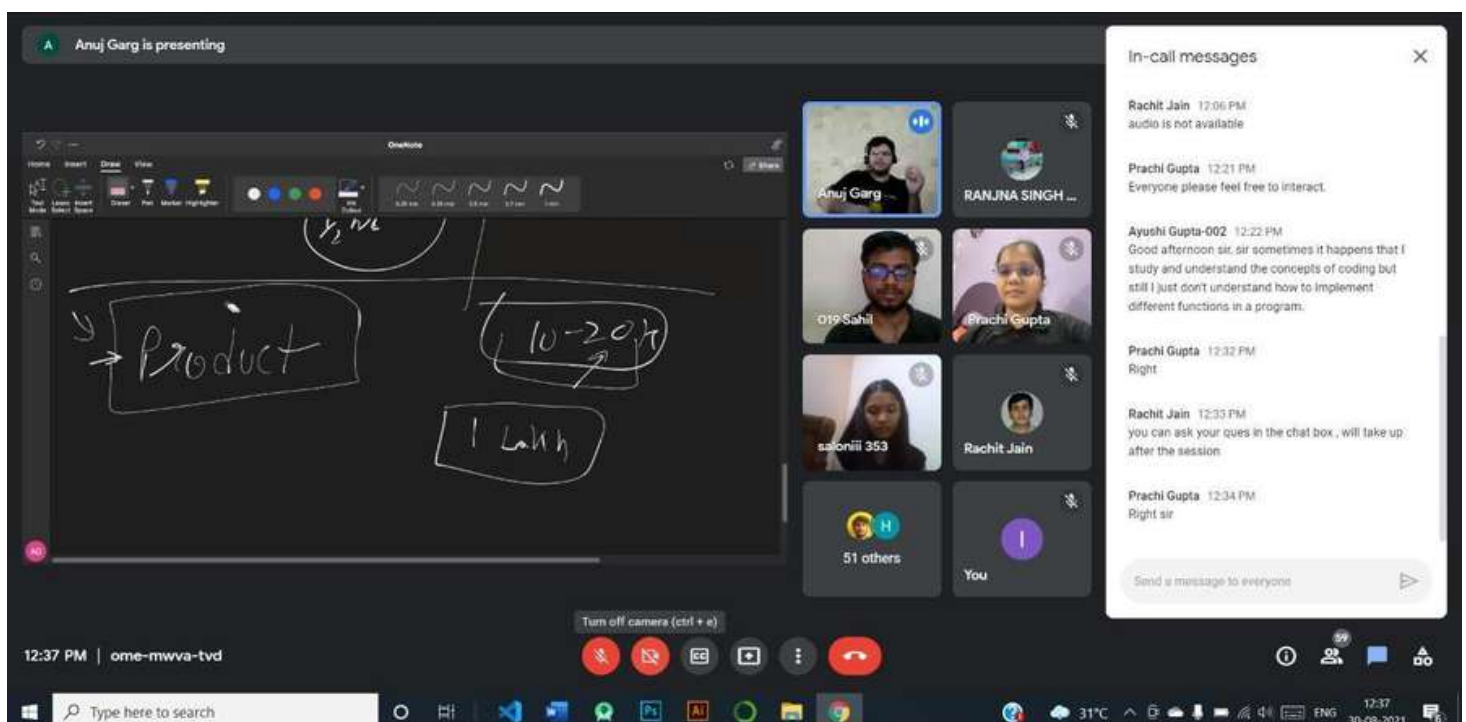


IEEE ADGTM organized a Student Professional Talk by Mr. Anuj Garg, the founder of an EdTech initiative, Code for Cause. The Session provided valuable knowledge to the attendees on Technopreneurship and understanding real-world problems. Keeping in mind the hazards of the COVID-19 pandemic, the mode of the event was online.

The objectives of the session:

The objectives were the following:

- Make the students aware of the importance of striking a balance between Academics and skill development in college.
- Make students realize the importance of a positive problem-solving attitude and implement it to solve real-world problems.
- Help students in learning more about Technopreneurship, how this has benefited businesses in a major way as they can now transmit information more quickly, replacing outdated business processes with more effective, up-to-date ones





IEEE DAY AWARENESS CAMPAIGN 2021

ADGITM conducted an IEEE Awareness Session on the Topic: "Serving Humanity through IEEE" on the occasion of IEEE Day. The guest speaker for the event was Mr. Ramneek Kalra. He is an IEEE Impact Creator, the ambassador of Delhi IEEE day, and is proficient in extraordinary and valuable skills. Attendees got to know about the IEEE organization and the opportunities that it offers to its members. The session was full of knowledge and was attended by about 40 attendees with great enthusiasm.

The objectives of the session:

The objectives were the following:

- The event aimed to spread awareness about IEEE and the opportunities it offers.
- Provide attendees with information about the opportunities and advantages available being a member of IEEE.
- Guide students so that they can take advantage of resources from the organisation like books, research papers, etc.
- Aware students that IEEE is not only limited to electronic and electrical branches but offers opportunities in other domains as well.




IEEE Day 2021 Awareness Campaign
presents

Serving Humanity through IEEE

8th September , 2021
6:00 PM (IST+5:30)

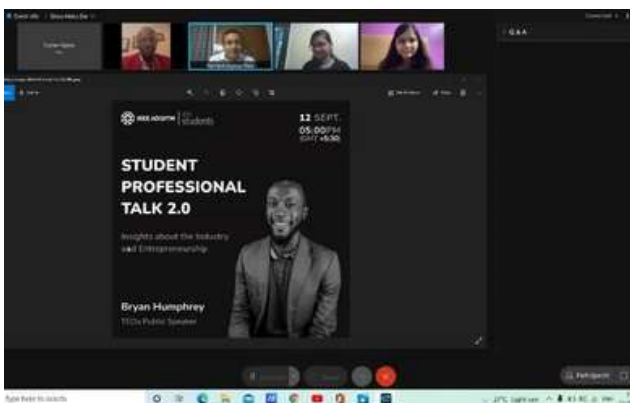
Ramneek Kalra
IEEE Impact Creator



STUDENT PROFESSIONAL TALK 2.0



IEEE ADGITM organized a Student Professional Talk 2.0 by Mr. Bryan Humphrey, a TEDx speaker, and a published author. He has been working in the mental health field for four-plus years and coaches others on becoming an author, speaker, and discovering their purpose. The Session provided valuable knowledge to the attendees on how to find their purpose in life and understanding real-world problems. Keeping in mind the hazards of the COVID-19 pandemic, the mode of the event was online.



1. Make the students aware of the importance of developing entrepreneurial skills, problem-solving attitude, and much-needed soft skills which are essential for today's job market.
2. Make students realize the importance of a positive problem-solving attitude and implement it to solve real-world problems.
3. Help students how to find their purpose and adjustment of life goals, how this has benefited individuals understand themselves and what are their strengths and weaknesses.



ARTIFICIAL INTELLIGENCE WITH IOT

BY RITESH KUMAR

ECE Department of ADGITM organized a webinar on “ Artificial Intelligence with the Internet of Things”. The event commenced with welcoming all the attendees, and the guest speaker Mr Ritesh Kumar. This was followed by inspiring words from our ECE HOD Prof.(Dr.) Niranjana Bhattacharyya. Sir motivated the students and encouraged them to achieve their goals. Our guest speaker Mr Ritesh Kumar is currently working with SO Infotech PVT LTD as IoT, Python, Data Science, Machine Learning and Artificial Intelligence Technical Consultant. He has worked with APTRON SOLUTION PVT LTD as IoT, Python, Data Science and Machine Learning Technical Consultant and is skilled in carrying out Statistical Analysis, Predictive & Prescriptive Analysis. Also is well versed with the implementation of Statistical Concepts using MS Excel, R and Python, IOT, ML. He has sound knowledge of data collection, text mining, forecasting, data visualization, linear regression models and Artificial Intelligence-based Models with IoT and is also familiar with tools like CVAVR, AVR studio, MATLAB, IDLE, RStudio, Python, Anaconda.

He talked about the future of IoT which has the potential to be limitless. Advances to the industrial internet will be accelerated through increased network agility, integrated artificial intelligence (AI) and the capacity to deploy, automate, orchestrate. Talking them about the benefits of the IoT which depend on the particular implementation; agility and efficiency are usually top considerations and informing them about the potential of artificial intelligence, as it is the simulation of human intelligence processed by machines,

The screenshot shows a Zoom webinar interface. The main content is a presentation slide titled "TO DIVERSE APPLICATIONS" which is divided into five vertical columns representing different sectors: HOME CONSUMER, TRANSPORT MOBILITY, HEALTH BODY, BUILDINGS INFRASTRUCTURE, and CITIES INDUSTRY. Each column lists specific IoT applications. The Zoom interface also shows a grid of participants on the right and a control bar at the bottom.

HOME CONSUMER	TRANSPORT MOBILITY	HEALTH BODY	BUILDINGS INFRASTRUCTURE	CITIES INDUSTRY
Light bulbs Security Pet Feeding Irrigation Controller Smoke Alarm Refrigerator Entertainment Washer / Dryer Stove Energy Monitoring	Traffic routing Telematics Package Monitoring Smart Parking Insurance Adjustments Supply Chain Shipping Public Transport Airlines Trains	Patient Care Elderly Monitoring Remote Diagnostics Equipment Monitoring Hospital Hygiene Bio Wearables Food sensors	HVAC Security Lighting Electrical Transit Emergency Alerts Structural Integrity	Electrical Distribution Maintenance Surveillance Signage Utilities / Smart Grid Emergency Services Waste Management

Zoom interface details:
- Top left: Ritesh Kumar is presenting
- Participant grid (right): Ritesh Kumar, priyanka jagya, HOD ECE, 019_Anjali Kumari, 014_Akshit Saxena, 074 Ritwik Verma, RAINJNA SINGH 015, 002_Aashish Rawat, 023_Aparna Bisht, Pragati Raizada 359, 78 others, You
- Bottom left: 3:00 PM | eqt-by-pj-uuc
- Bottom center: Meeting controls (mute, video, chat, share screen, help, end meeting)
- Bottom right: Meeting info (info, people, chat, share screen)



08 "ELECTROMAGNETIC FIELD – ORIGIN, ADVANTAGES, AND RISKS"

BY DR MUKESH KHANDELWAL

EECE Department of ADGITM organized a faculty development program. The event commenced with welcoming all the attendees, and the guest speaker Dr. Mukesh Khandelwal. The CEO, S.N Garg ji and The director of ADGITM, Dr. Sanjay Kumar welcome the guest speaker with the bouquet of flowers and memento. Our guest speaker Dr. Mukesh Khandelwal is working as deputy director, Research and development and faculty at school of engineering at Jawaharlal Nehru University, New Delhi which is one of the top ranked central university as per the National ranking Framework (NIRF). He is a senior member of IEEE and has worked on several Research projects in the field of RF and microwave engineering



The session has proposed for two hours, to be categorized in three sections. In the first section, introduction of electromagnetic waves will be discussed followed by the discussion about its origin, generation, types, nature, and other related aspects. In the second section he had discussed about the benefits of electromagnetic wave radiations. The power of electromagnetic radiation is not only used for communicating wirelessly but also it can be used constructively for curing the incurable diseases by eradicating the diseases producing pathogens and microorganism like bacteria, virus, and fungi. In the Last section he has discussed about the hazardous behaviour of the electromagnetic waves. The killing and destructive effects of electromagnetic radiation followed by some prevention techniques.

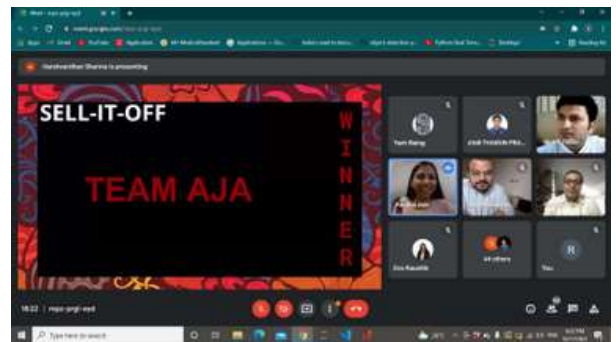
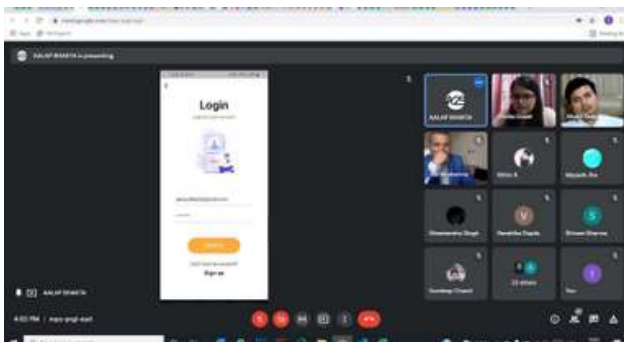
The guest speaker encouraged the teachers about how it is vital to be up to date with the latest technological advancements and keep broadening their knowledge. Teachers interacted and cleared their doubts about the problems that they were facing while implementing the technologies related to electromagnetic field. He furthermore guided the teachers about the use of technology needs rule and new laws. At last The HOD of ECE department Dr. Niranjana Bhattacharya appreciated and thanked the guest speaker for sharing his wisdom and for taking his valuable time.

TECHNORAX V7.0

On the auspicious occasion of IEEE Day, the IEEE student branch of ADGITM organized their biggest flagship event Technorax V7.0 on the 17th and 18th of October 2021. The theme of the event this year was “Leveraging Technology for a Better Tomorrow”. The event consisted of a 24-hours virtual Hackathon (T-HACKS 4.0) and a product pitching competition (SELL-IT-OFF). Technorax was a two-day package full of opportunities. The motive of this event was to expose students to the current trends in the technical and professional fields. This event also helped in encouraging students and professionals to take up engineering as a passion and not just as a profession.

Day one (October 16th, 2020) began with the inaugural ceremony of the event by our Hon’ble Director, Prof. (Dr.) Sanjay Kumar, our Branch Counselor, Dr. Parthish Kumar Paul, and the chief guest for the event, Prof. Rachana Garg. Prof. Rachana Garg is the chairperson of the IEEE Delhi Section and Student Activities Committee. All the guests graced the entire team and participants with some kind and inspiring words.

Sell-It-Off was an entrepreneurship event held under Technorax v7.0 by IEEE ADGITM. It was a product-pitching competition where participants were asked to bring a unique product idea. The top 10 teams were shortlisted based on their idea. These teams were then required to pitch their product and try to sell it to a panel of judges in the final round of SELL-IT-OFF.



TRAINING PROGRAM BY TRIDENT TECHLABS

One day training was organized by Trident Techlabs pvt. Ltd on “HEP-1 IC nanometer design” by mentor graphics from 10:00 a.m. to 4:00 p.m. on 28.october.2021(Thursday). Upendra Kr. Gupta, Application engineer from Trident Techlabs pvt. Ltd was the trainer/resource person. This training was scheduled as per the requirement with the purchase of the HEP-1 bundle tool from mentor graphics. 11 participants (faculty members and lab technicians) attended the training program. Complete flow of the tool was elaborated by the trainer.

THE SCIENCE OF LEADERSHIP THROUGH THE ART OF MENTORING



The Director (IQAC) of ECE department Prof. Dr. Niranjana Bhattacharyya has taken the initiative to refine the ways of mentoring. He has told that mentoring is an essential feature to render equitable service to all the mentees having heterogeneous background. He cleared the difference between leadership and mentoring.

He categorised the session to make it easier to understand the relationship between mentor and mentee. In the first section Dr. Niranjana has told about the mirror test that mentee will not do what you tell them to do but do what you do. As efficiency is less important than effectiveness. After that he remarked some attributes of a good mentor such as avoid gossips, be honest, be humble, learn to say sorry. He furthermore elaborated few aspects of right approach like leading from front, talk about delayed gratification, persistence, promotion of activities. He generalised some points which the mentor should avoid such as partiality, bouncers, negative self-talk, frequent referrals of higher authority. He has assigned the groups of students to each mentor who would perform the mentoring duties. The system is created to augment the student-centric teaching and development.



INAUGURATION OF CENTRE OF EXCELLENCE OF VLSI AND EMBEDDED SYSTEM LAB



The director of ADGITM Prof. (Dr). Sanjay Kumar, The HOD of ECE department Prof. (Dr). Niranjana Bhattacharyya, event incharge Ms. Richa Malhotra, and all the faculty members welcomed Mr. Vaibhav Mishra. Pine is programming in electronics. At pine, all the faculty members are working at top 10 leading semiconductor industry in parallel with teaching, so they know the latest trend and also it gives benefits in terms of placement. He told that their group of teachers is a network of passionate individuals who want to contribute towards better outcomes and performance of students. Pine training academy has expertise in frontend FPGA design, ASIC verification, layout, physical design, embedded system and many more. He also added the broader points about FPGA design such as requirement definition, modelling, design, simulation, back end, integration. At last the director sir the HOD sir and faculty of ECE department appreciated and thanked the Vaibhav Mishra for sharing his innovative ideas and for taking his valuable time



"AFTER GRADUATION OPPORTUNITIES."

DR. SUMEDHA NITIN PRABHU

The HOD of ECE department Prof. Dr. Niranjana Bhattacharyya, event incharge Ms. Richa Malhotra, and all the faculty members have welcomed Dr. Sumedha Nitin Prabhu. Dr Sumedha Nitin Prabhu is currently working in sessional teaching and research academic - engineering Project Management in school of engineering in Macquarie University, Sydney, Australia. She is a member of IEEE student Branch Executive committee and currently working in engineering affinity group vice chair for 2020-21. She had won a silver award from the early women in STEM paper and grant writing Association. She has published many journal papers, conference paper and poster representation.

She has encouraged the students regarding higher studies. Also she has well explained that it is not impossible for students to complete as their dreams of studying in abroad as they have many options of international scholarships by which they can pursue their education as well as could manage their expenditures also. Students interacted and cleared their doubts about the problems that they can face in pursuing higher studies; She furthermore guided the students that study in abroad enhances employment opportunities that are by the value of education and reputed institutions to broaden the chances to get a good job. At last the faculty of all other departments and students appreciated and thanked the Dr. Sumedha Nitin Prabhu mam for sharing her wisdom and for taking her valuable time.

The screenshot displays a Zoom meeting in progress. The main window shows a PowerPoint presentation slide titled "AFTER GRADUATION OPPORTUNITIES" by Dr. Sumedha Nitin Prabhu, who is identified as having a B.Sc. & M.Sc. in Biotechnology and a Ph.D. in Biomedical Engineering. The slide includes an image of a graduation cap and a rolled-up diploma. The Zoom interface shows a grid of participants, including Sumedha Prabhu and several other attendees. The Windows taskbar at the bottom indicates the time is 10:05 and the meeting is an "Expert Talk".

IEEE ADGITM: MEMBERSHIP DRIVE

On 4th and 5th March, IEEE ADGITM conducted a Membership Drive to recruit new students and talent; give some new members a chance to discover their newfound interest in technology and different particular domains. The event was conducted on two consecutive days in two different modes: Offline and Online. We aimed to make students understand the importance of IEEE in their technical careers and how it can benefit them in the long run. We had around 175 students who attended the event in both online and offline modes. The offline event was conducted at the IEEE Maker's space, ADGITM. The event was managed by a set of volunteers. There were around 10 topics that were covered by different subject experts who are a part of IEEE ADGITM presently. Each prospect who was interested in a specific domain was guided to their particular subject expert by the volunteers. The online event took place on IEEE ADGITM's official Discord server in a similar way.

Doubt clearing and counseling session across various domain was conducted by the subject mentors. The attendees were guided on how to join the organization and what benefits it would award them Goodies and flyers were provided to all the participants towards the end of the event Certificates to all the volunteers and the attendees were provided on the successful completion of the event



IEEE ADGITM
MEMBERSHIP
DRIVE

RECRUITMENT &
COUNSELLING SESSION

DATE :
4-5 MARCH 2022

TIME :
2:30 PM

The poster features the IEEE ADGITM logo at the top left, followed by logos for PES and other affiliations. The main text is in large, bold, white letters on a dark background. A blue button contains the text 'RECRUITMENT & COUNSELLING SESSION'. Below this, the date and time are listed. An illustration of a woman in a green dress sitting on a pink circle with a laptop and a mug is at the bottom right.



WIEKAS 2.0: EMPOWERING THE WOMEN AROUND US



On the 8th of March 2022, WIE-IEEE ADGITM collaborated with NSS ADGITM to celebrate International Women's Day. We aimed to make the women aware of the importance of menstrual hygiene. There were more than 80 attendees including women, children and volunteers. The event was held in two sessions- First, we interacted with women, and they shared their experiences with us. Furthermore, they were provided with care packages that contained sanitary pads, disposable bags for sanitary pads, masks and hair oil with a chocolate each. We played games with women to get them more comfortable and to spend time with them.



Later, we conducted activities for children in small groups including dance, poem recitation, interactive knowledgeable videos, and more. Every child was rewarded with a packet of stationery items and chocolates in the end. The event was concluded with a cake-cutting ceremony and the women and children were boosted with positivity and knowledge. They were enthusiastic and interactive throughout the event and we hope that it was as amazing an experience for them as it was for us.



PROJECT DEVELOPMENT PROGRAM EPISODE-1

IEEE ADGITM conducted a project development program. There were various projects that were displayed in the program in the IEEE maker's space. Many new students joined this program and they were very highly inspired to see various Projects that were made by students of our college including all the branches. These projects were basically made using many new technologies or domains like AI and ML, IoT, etc.

GSM based Fire Detector & SMS Alert System using Arduino Here, the SIM800L GSM module, a buzzer, and the flame sensor are used for detecting the fire. When the flame sensor detects the fire, the buzzer will be turned "ON" and SMS alerts, as well as phone call alerts, will be sent to the predefined phone numbers stored inside the Arduino sketch.

TRIXIS is a project that can play songs, send emails, and whatsapp messages, set reminders, give battery updates, can do google searches, tell you jokes, talk to you, give you weather and news reports, open and close applications, interact with your operating system and so much more, It won't just answer them back like a robot, but understand Your emotions like a friend. It is capable of detecting hate speech, and has a great feature of emotion detection.

This project is about music generation using RNN, this neural network is best suited for sequential data, our model takes around 400 Irish folks instrumental music and converts its music notes to alphabets, then model is trained on these notes, now we just give the model a single note and it generates new instrumental song.

```
#include <Arduino.h>
#include <Wire.h>

// Pin definitions
const int buzzerPin = 8;
const int flamePin = 0;

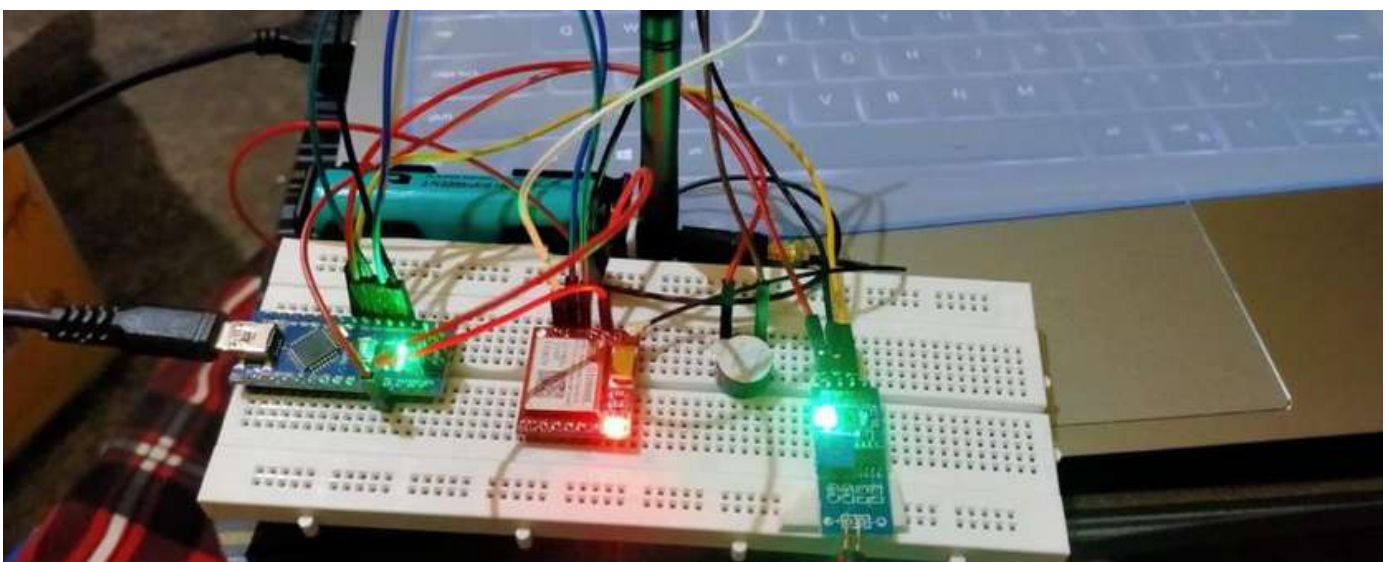
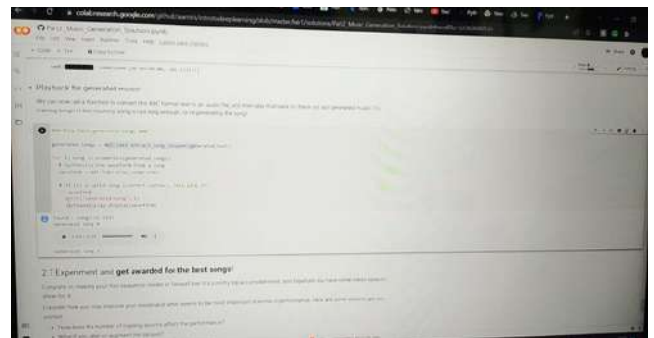
// Variables
int buzzerState = 0;
int flameState = 0;

// Setup function
void setup() {
  pinMode(buzzerPin, OUTPUT);
  pinMode(flamePin, INPUT);
  Serial.begin(9600);
}

// Loop function
void loop() {
  // Read flame sensor
  flameState = digitalRead(flamePin);

  // Control buzzer
  if (flameState == HIGH) {
    digitalWrite(buzzerPin, HIGH);
  } else {
    digitalWrite(buzzerPin, LOW);
  }

  // Send status to serial
  Serial.print("Flame: ");
  Serial.println(flameState);
}
```



PLACEMENT DETAILS

Sl No	Student Name	Roll No	College	Branch	Company Name	Salary Package (LPA)
1	AAYUSH KATHURIA	35196202818	ADGITM	ECE	WIPRO	3.50
2	AAYUSH KATHURIA	35196202818	ADGITM	ECE	Insentapp	9.00
3	ABHISHEK DANGI	215602818	ADGITM	ECE	TCS	3.60
4	ABHISHEK DANGI	215602818	ADGITM	ECE	INFOSYS	3.60
5	ABHISHEK DANGI	215602818	ADGITM	ECE	WIPRO	3.50
6	ABHISHEK KUMAR	296202818	ADGITM	ECE	DXC TECHNOLOGIES	4.00
7	ABHISHEK KUMAR	296202818	ADGITM	ECE	INFOSYS	3.60
8	ABHISHEK SHARMA	396202818	ADGITM	ECE	WIPRO	3.50
9	ABHISHEK SHARMA	396202818	ADGITM	ECE	TCS	3.60
10	ABHISHEK SHARMA	396202818	ADGITM	ECE	INFOSYS	3.60
11	ABHISHEK YADAV	40696202818	ADGITM	ECE	NewGen	3.60
12	ABHISHEK YADAV	40696202818	ADGITM	ECE	Capgemini	4.00
13	ADARSH MISHRA	20915602818	ADGITM	ECE	DXC TECHNOLOGIES	4.00
14	ADARSH MISHRA	20915602818	ADGITM	ECE	WIPRO	3.50
15	ADARSH MISHRA	20915602818	ADGITM	ECE	INFOSYS	3.60
16	ADARSH MISHRA	20915602818	ADGITM	ECE	Newgen	4.25
17	ADARSH SHARMA	35115602818	ADGITM	ECE	WIPRO	3.50
18	Akansha Bharti	45215602818	ADGITM	ECE	Wipro	3.60
19	Akansha Sharma	115602818	ADGITM	ECE	Capgemini	4.00
20	AKSHAT SANKHYAN	515602818	ADGITM	ECE	Zycus	4.00
21	AKSHIMA SHARMA	44115602818	ADGITM	ECE	WIPRO	3.50
22	AKSHIMA SHARMA	44115602818	ADGITM	ECE	TCS	3.60
23	Akshit Changra	40315602818	ADGITM	ECE	Wipro	4.25
24	Akshit Changra	40315602818	ADGITM	ECE	Ciena	9.00
25	AMAN GOEL	696202818	ADGITM	ECE	INFOSYS	3.60
26	AMAN GUPTA	42696202818	ADGITM	ECE	DXC TECHNOLOGIES	4.00
27	AMIT SINGH	20696202818	ADGITM	ECE	Birlasoft	3.60
28	AMIT SINGH	20696202818	ADGITM	ECE	TCS	3.60
29	AMIT SINGH	20696202818	ADGITM	ECE	Coforge	4.25
30	Amit Singh	20696202818	ADGITM	ECE	HCL	4.25
31	ANANT AGRAWAL	615602818	ADGITM	ECE	WIPRO	3.50
32	ANJALI CHAUHAN	00996202818	ADGITM	ECE	TCS	3.60
33	ANKIT KUMAR	41496202818	ADGITM	ECE	Insentapp	9.00
34	ANKIT RAO	41796202818	ADGITM	ECE	INFOSYS	3.60
35	ANKIT RAO	41796202818	ADGITM	ECE	Insentapp	9.00
36	ANKIT SARANGLE	44815602818	ADGITM	ECE	WIPRO	3.50
37	ANKIT SARANGLE	44815602818	ADGITM	ECE	INFOSYS	3.60
38	ANKIT SUHAG	1196202818	ADGITM	ECE	TCS	3.60
39	ANUBHAV ARORA	1296202818	ADGITM	ECE	DXC TECHNOLOGIES	4.00
40	ANUBHAV ARORA	1296202818	ADGITM	ECE	INFOSYS	3.60
41	Anubhav Arora	01296202818	ADGITM	ECE	HCL	4.25
42	ANUBHAV ARORA	01296202818	ADGITM	ECE	NewGen	3.60
43	ANUBHAV KUMAR	41215602818	ADGITM	ECE	Birlasoft	3.60
44	ANUBHAV KUMAR	41215602818	ADGITM	ECE	TCS	3.60
45	ANUBHAV KUMAR	41215602818	ADGITM	ECE	INFOSYS	3.60
46	ANUSHKA GUPTA	00415607319	ADGITM	ECE	WIPRO HR Services	3.30
47	APOORV CHANDHOK	1396202818	ADGITM	ECE	WIPRO	3.50
48	APOORV CHANDHOK	1396202818	ADGITM	ECE	TCS	3.60
49	APOORV CHANDHOK	1396202818	ADGITM	ECE	INFOSYS	3.60
50	ARJIT AGRAWAL	1496202818	ADGITM	ECE	INFOSYS	3.60
51	ARPIT ARYA	01596202818	ADGITM	ECE	S-Cube	3.40
52	Arpit Arya	01596202818	ADGITM	ECE	Nagarro	4.50
53	ARYAN GANDHI	35215602818	ADGITM	ECE	WIPRO HR Services	3.30
54	ARYAN JHA	915602818	ADGITM	ECE	WIPRO	3.50
55	ARYAN JHA	915602818	ADGITM	ECE	TCS	3.60
56	Aryan Yadav	01696202818	ADGITM	ECE	Nagarro	4.50
57	Ashish	1015602818	ADGITM	ECE	Capgemini	4.00
58	Ashish	1015602818	ADGITM	ECE	Reliance Jio	4.00
59	ASHISH MISHRA	1796202818	ADGITM	ECE	DXC TECHNOLOGIES	4.00
60	ASHISH MISHRA	1796202818	ADGITM	ECE	WIPRO	3.50

60	ASHISH MISHRA	1796202818	ADGITM	ECE	WIPRO	3.50
61	ASHISH MISHRA	1796202818	ADGITM	ECE	INFOSYS	3.60
62	ASMI JAIN	01896202818	ADGITM	ECE	Atos Syntel	3.50
63	ATISHAY JAIN	20315602818	ADGITM	ECE	WIPRO	3.50
64	ATISHAY JAIN	20315602818	ADGITM	ECE	INFOSYS	3.60
65	ATISHAY JAIN	20315602818	ADGITM	ECE	TCS	3.30
66	AVISHI SINGHAL	35315602818	ADGITM	ECE	TCS	3.60
67	AVISHI SINGHAL	35315602818	ADGITM	ECE	Wipro	3.50
68	Avishi Singhal	35315602818	ADGITM	ECE	Nagarro	4.50
69	AYANABHA PAUL	20415602818	ADGITM	ECE	INFOSYS	3.60
70	AYANABHA PAUL	20415602818	ADGITM	ECE	Paytm	5.00
71	AYUSH RAWAT	42615602818	ADGITM	ECE	WIPRO	3.50
72	AYUSH RAWAT	42615602818	ADGITM	ECE	INFOSYS	3.60
73	BHAVAY	42815602818	ADGITM	ECE	Coforge	4.25
74	BHAVESH KAKANI	42596202818	ADGITM	ECE	Coforge	4.25
75	BHAVESH KAKANI	42596202818	ADGITM	ECE	Cvent	6.53
76	DEEPANSHU	00515607319	ADGITM	ECE	Finoit Technologies	4.20
77	DEEPANSHU	00515607319	ADGITM	ECE	Reliance Jio	4.00
78	DEEPANSHU GOEL	2396202818	ADGITM	ECE	DXC TECHNOLOGIES	4.00
79	DEEPANSHU GOEL	2396202818	ADGITM	ECE	INFOSYS	3.60
80	DEEPANSHU GOEL	2396202818	ADGITM	ECE	Sopra Steria	6.00
81	Deepanshu Rathore	01215602818	ADGITM	ECE	NTT Data	3.50
82	DHEERAJ BISHT	1315602818	ADGITM	ECE	INFOSYS	3.60
83	DHEERAJ BISHT	1315602818	ADGITM	ECE	WIPRO	3.50
84	DHIRAJ SINGH	1415602818	ADGITM	ECE	TCS	3.60
85	DHIRAJ SINGH	1415602818	ADGITM	ECE	Mindtree	3.12
86	EISHA GOEL	1615602818	ADGITM	ECE	WIPRO	3.50
87	EISHA GOEL	01615602818	ADGITM	ECE	Federal Bank	5.25
88	EISHA GOEL	1615602818	ADGITM	ECE	Fidelity International	5.65
89	GAURAV	20196202818	ADGITM	ECE	Coforge	4.25
90	GAURAV KUMAR JHA	2496202818	ADGITM	ECE	DXC TECHNOLOGIES	4.00
91	HARDIK GUPTA	2696202818	ADGITM	ECE	WIPRO	3.50
92	HARDIK MARWAH	2796202818	ADGITM	ECE	INFOSYS	3.60
93	HARDIK VASHISTHA	42915602818	ADGITM	ECE	Coding Blocks	12.00
94	HARSH JAIN	2996202818	ADGITM	ECE	WIPRO	3.50
95	HARSH JAIN	2996202818	ADGITM	ECE	TCS	3.60
96	HARSH JAIN	2996202818	ADGITM	ECE	INFOSYS	3.60
97	HARSH JAIN	02996202818	ADGITM	ECE	Birlasoft	3.60
98	HARSHIT BAJAJ	20815602818	ADGITM	ECE	TCS	3.60
99	HARSHIT BAJAJ	20815602818	ADGITM	ECE	RxLogix Corporation India Pvt Ltd	7.00
100	HARSHIT JAIN	40396202818	ADGITM	ECE	WIPRO	3.50
101	HARSHIT JAIN	40396202818	ADGITM	ECE	TCS	3.60
102	HIMANSHU GUSAIN	3096202818	ADGITM	ECE	Coforge	4.25
103	HIMANSHU PARASHAR	3196202818	ADGITM	ECE	DXC TECHNOLOGIES	4.00
104	HIMANSHU PARASHAR	3196202818	ADGITM	ECE	TCS	3.60
105	HRITIK RAMUKA	01915602818	ADGITM	ECE	RxLogix Corporation India Pvt Ltd	7.00
106	HRITIK RAMUKA	01915602818	ADGITM	ECE	NTT Data	3.50
107	JHANSHI LAKSHMI D	42796202818	ADGITM	ECE	TCS	3.60
108	JHANSHI LAKSHMI D	42796202818	ADGITM	ECE	INFOSYS	3.60
109	KAJAL	40196202818	ADGITM	ECE	WIPRO HR Services	3.30
110	KESHAV	696207319	ADGITM	ECE	Coforge	4.25
111	KESHAV GUPTA	42496202818	ADGITM	ECE	WIPRO	3.50
112	Keshav Gupta	42496202818	ADGITM	ECE	Nagarro	4.50
113	KRISHAN KUMAR PANDEY	20215602818	ADGITM	ECE	WIPRO	3.50
114	KRISHANK SHARMA	00196207319	ADGITM	ECE	WIPRO HR Services	3.30
115	MADHAV SHARMA	3496202818	ADGITM	ECE	INFOSYS	3.60
116	MADHAV SHARMA	03496202818	ADGITM	ECE	PEPCODING EDUCATION PRIVATE LTD	9.00
117	Madhur Joshi	03596202818	ADGITM	ECE	Reliance Jio	4.00
118	MAHESH GARG	43515602818	ADGITM	ECE	Zensar	4.00
119	MAHESH GARG	43515602818	ADGITM	ECE	RxLogix Corporation India Pvt Ltd	4.50
120	MANALI PRAKASH	2415602818	ADGITM	ECE	WIPRO	3.50
121	MANAN KANSWAL	03696202818	ADGITM	ECE	NTT Data	3.50
122	MANAS DAS	43015602818	ADGITM	ECE	NPCI	6.89

123	MANISH GOEL	20715602818	ADGITM	ECE	DXC TECHNOLOGIES	4.00
124	MANISH GOEL	20715602818	ADGITM	ECE	TCS	3.60
125	MANISHA KUMARI	3896202818	ADGITM	ECE	WIPRO	3.50
126	MANSI CHOPRA	35396202818	ADGITM	ECE	Intellipaat	9.00
127	MANSI CHOPRA	35396202818	ADGITM	ECE	WIPRO	3.50
128	MANSI CHOPRA	35396202818	ADGITM	ECE	Coforge	4.25
129	MANYA KAKKAR	20115602818	ADGITM	ECE	DXC TECHNOLOGIES	4.00
130	MANYA KAKKAR	20115602818	ADGITM	ECE	WIPRO	3.50
131	MAYANK GUPTA	4096202818	ADGITM	ECE	TCS	3.60
132	MOHD SAYEEM	35596202818	ADGITM	ECE	WIPRO	3.50
133	MOHD. SAYEEM	35596202818	ADGITM	ECE	INFOSYS	3.60
134	MOHIT BISHT	4396202818	ADGITM	ECE	DXC TECHNOLOGIES	4.00
135	MOHIT BISHT	04396202818	ADGITM	ECE	WIPRO	3.50
136	MOHIT BISHT	4396202818	ADGITM	ECE	TCS	3.60
137	MOHIT BISHT	4396202818	ADGITM	ECE	INFOSYS	6.25
138	MOHIT GUPTA	2615602818	ADGITM	ECE	DXC TECHNOLOGIES	4.00
139	MOHIT GUPTA	2615602818	ADGITM	ECE	WIPRO	3.50
140	MOHIT GUPTA	2615602818	ADGITM	ECE	TCS	3.60
141	MOHIT JANGIR	35696202818	ADGITM	ECE	Capgemini	4.00
142	MOHIT JANGIR	35696202818	ADGITM	ECE	Tata Elxsi	3.50
143	MOHIT JANGIR	35696202818	ADGITM	ECE	Insentapp	9.00
144	MOHIT KESERWANI	02715602818	ADGITM	ECE	Reliance Jio	4.00
145	MRINANK RAJ SINGH	41715602818	ADGITM	ECE	TCS	3.60
146	MRINANK RAJ SINGH	41715602818	ADGITM	ECE	WIPRO	6.50
147	MUSKAN AGGARWAL	2815602818	ADGITM	ECE	INFOSYS	3.60
148	MUSKAN AGGARWAL	2815602818	ADGITM	ECE	WIPRO	3.50
149	NAKUL SINGH	4596202818	ADGITM	ECE	JOSH TECHNOLOGY GROUP	10.50
150	NAVNEET KUMAR SINGH	2915602818	ADGITM	ECE	WIPRO	3.50
151	NAVNEET KUMAR SINGH	2915602818	ADGITM	ECE	TCS	3.60
152	NAVNEET KUMAR SINGH	2915602818	ADGITM	ECE	INFOSYS	3.60
153	NAVODIT AHUJA	44215602818	ADGITM	ECE	INFOSYS	3.60
154	NAVYA PAL	44915602818	ADGITM	ECE	Newgen	4.25
155	NAZIL WASIM	4696202818	ADGITM	ECE	WIPRO	3.50
156	NIKHIL ARORA	3115602818	ADGITM	ECE	INFOSYS	8.00
157	NITESH GARG	3215602818	ADGITM	ECE	TCS	3.60
158	NITESH GARG	3215602818	ADGITM	ECE	WIPRO	3.50
159	NITESH GARG	3215602818	ADGITM	ECE	Google	28.88
160	NITIN SHARMA	3315602818	ADGITM	ECE	INFOSYS	3.60
161	NITIN SHARMA	3315602818	ADGITM	ECE	WIPRO	3.50
162	NITIN SHARMA	03315602818	ADGITM	ECE	RemoteState	5.00
163	PALAK RASTOGI	35715602818	ADGITM	ECE	DXC TECHNOLOGIES	4.00
164	PARAS GOEL	35815602818	ADGITM	ECE	INFOSYS	3.60
165	PARAS GOEL	35815602818	ADGITM	ECE	TCS	3.60
166	Paras Goel	35815602818	ADGITM	ECE	RemoteState	5.00
167	Paras Goel	35815602818	ADGITM	ECE	Nagarro	4.50
168	PIYUSH CHANDEL	05096202818	ADGITM	ECE	HCL	4.25
169	Piyush Chandel	05096202818	ADGITM	ECE	Nagarro	4.50
170	PRABH TANEJA	5196202818	ADGITM	ECE	WIPRO	3.50
171	Prabh Taneja	5196202818	ADGITM	ECE	NTT Data	3.50
172	PRACHI CHUGH	5296202818	ADGITM	ECE	WIPRO	6.50
173	PRACHI CHUGH	5296202818	ADGITM	ECE	INFOSYS	3.60
174	PRACHI VATS	00815607319	ADGITM	ECE	Digit General Insurance	6.50
175	PRAGATI RAIZADA	35915602818	ADGITM	ECE	WIPRO	3.50
176	PRASHANT	05496202818	ADGITM	ECE	RxLogix Corporation India Pvt Ltd	7.00
177	PRATEEK ARORA	3815602818	ADGITM	ECE	DXC TECHNOLOGIES	4.00
178	PRERIT SHARMA	36015602818	ADGITM	ECE	DXC TECHNOLOGIES	4.00
179	PRERIT SHARMA	36015602818	ADGITM	ECE	TCS	3.60
180	PRERIT SHARMA	36015602818	ADGITM	ECE	Capgemini	4.00
181	PRERIT SHARMA	36015602818	ADGITM	ECE	Hexaware	4.00
182	PRERIT SHARMA	36015602818	ADGITM	ECE	Newgen	4.25

183	PRERIT SHARMA	36015602818	ADGITM	ECE	Vodafone India Services Private Limited	4.75
184	PRIYANSHU SRIVASTAVA	40496202818	ADGITM	ECE	Coforge	4.25
185	Priyanshu Srivastava	40496202818	ADGITM	ECE	NTT Data	3.50
186	PULKIT PRAKASH	3915602818	ADGITM	ECE	WIPRO	3.50
187	PULKIT PRAKASH	03915602818	ADGITM	ECE	Zemso Technologies	6.89
188	RAGHAV KHANEJA	20496202818	ADGITM	ECE	INFOSYS	3.60
189	RAHUL AGRAWAL	41315602818	ADGITM	ECE	TCS	3.60
190	RAHUL AGRAWAL	41315602818	ADGITM	ECE	INFOSYS	3.60
191	RAHUL AGRAWAL	41315602818	ADGITM	ECE	RxLogix Corporation India Pvt Ltd	7.00
192	RAJAN KUMAR SINGH	43915602818	ADGITM	ECE	WIPRO	3.50
193	RAJAN KUMAR SINGH	43915602818	ADGITM	ECE	TCS	3.60
194	RAJAN KUMAR SINGH	43915602818	ADGITM	ECE	Zensar	4.00
195	RAJEEV RAJPUT	4115602818	ADGITM	ECE	WIPRO	3.50
196	RAJEEV RAJPUT	4115602818	ADGITM	ECE	TCS	3.60
197	RAJESH KUMAR GHOSH	5596202818	ADGITM	ECE	Accenture	4.50
198	RAJESH KUMAR GHOSH	5596202818	ADGITM	ECE	INFOSYS	3.60
199	RAJESH KUMAR GHOSH	5596202818	ADGITM	ECE	WIPRO	3.50
200	RASHI KAUSHIK	35796202818	ADGITM	ECE	DXC TECHNOLOGIES	4.00
201	RASHI KAUSHIK	35796202818	ADGITM	ECE	Intellipaart	9.00
202	RASHI KAUSHIK	35796202818	ADGITM	ECE	RxLogix Corporation India Pvt Ltd	7.00
203	RASHI KAUSHIK	35796202818	ADGITM	ECE	HCL	4.25
204	RIDHI GAUR	42215602818	ADGITM	ECE	Coforge	4.25
205	RIDHI GAUR	42215602818	ADGITM	ECE	WIPRO HR Services	3.30
206	RISHABH MEHTA	4215602818	ADGITM	ECE	Coforge	4.25
207	RISHABH MEHTA	4215602818	ADGITM	ECE	Zemso Technologies	6.90
208	Rishabh Mehta	04215602818	ADGITM	ECE	Nagarro	4.50
209	RITESH PAHAL	44315602818	ADGITM	ECE	WIPRO	3.50
210	Ritik Jain	4315602818	ADGITM	ECE	RemoteState	5.00
211	ROHIT	00796207319	ADGITM	ECE	Wipro	3.50
212	ROHIT VERMA	5896202818	ADGITM	ECE	WIPRO	3.50
213	ROHIT VERMA	5896202818	ADGITM	ECE	INFOSYS	3.60
214	RUPAL	05996202818	ADGITM	ECE	mCaffeine	8.00
215	SAKSHAM JAIN	41615602818	ADGITM	ECE	WIPRO	3.50
216	SAKSHAM RAJ	6196202818	ADGITM	ECE	WIPRO	3.50
217	SAKSHAM RAJ	6196202818	ADGITM	ECE	TCS	3.60
218	SAKSHAM RAJ	6196202818	ADGITM	ECE	Insentapp	9.00
219	SAKSHI VERMA	20296202818	ADGITM	ECE	DXC TECHNOLOGIES	4.00
220	SAKSHI VERMA	20296202818	ADGITM	ECE	WIPRO	3.50
221	SAKSHI VERMA	20296202818	ADGITM	ECE	TCS	3.60
222	SANYAM ARORA	6296202818	ADGITM	ECE	DXC TECHNOLOGIES	4.00
223	SANYAM ARORA	6296202818	ADGITM	ECE	TCS	3.60
224	SANYAM JAIN	4515602818	ADGITM	ECE	DXC TECHNOLOGIES	4.00
225	SANYAM JAIN	04515602818	ADGITM	ECE	GRAB	23.22
226	SARTHAK JAIN	42396202818	ADGITM	ECE	DXC TECHNOLOGIES	4.00
227	SARTHAK JAIN	42396202818	ADGITM	ECE	INFOSYS	3.60
228	SARTHAK JAIN	42396202818	ADGITM	ECE	Zycus	4.00
229	SARTHAK JAIN	42396202818	ADGITM	ECE	TATA ELXSI	3.60
230	SARTHAK JAIN	42396202818	ADGITM	ECE	RxLogix Corporation India Pvt Ltd	7.00
231	SARTHAK JAIN	42396202818	ADGITM	ECE	Compro Technologies	3.60
232	SARTHAK JAIN	42396202818	ADGITM	ECE	Publicis Sapiant	5.10
233	SATYAM RAI	35996202818	ADGITM	ECE	Insentapp	9.00
234	SHIVAM GUPTA	44715602818	ADGITM	ECE	INFOSYS	3.60
235	SHIVAM GUPTA	42196202818	ADGITM	ECE	Coforge	4.25
236	SHIVAM GUPTA	42196202818	ADGITM	ECE	TCS	3.60
237	SHIVAM GUPTA	44715602818	ADGITM	ECE	TCS	3.60
238	SHIVAM VOHRA	6696202818	ADGITM	ECE	DXC TECHNOLOGIES	4.00
239	SHIVANSHU CHAUHAN	4915602818	ADGITM	ECE	INFOSYS	3.60
240	SHIVANSHU CHAUHAN	4915602818	ADGITM	ECE	Paytm	5.00
241	SHUBHAM KUMAR MISHRA	42715602818	ADGITM	ECE	WIPRO	3.50
242	SHUBHAM KUMAR MISHRA	42715602818	ADGITM	ECE	INFOSYS	3.60
243	SHUBHAM KUMAR MISHRA	42715602818	ADGITM	ECE	TCS	3.60
244	SHUBHAM KUMAR MISHRA	42715602818	ADGITM	ECE	Accenture	4.50
245	SHUBHAM SHARMA	5115602818	ADGITM	ECE	INFOSYS	5.00
246	SHUBHAM SHARMA	5115602818	ADGITM	ECE	Kranti Tech Services	3.60
247	SHUBHAM SHARMA	05115602818	ADGITM	ECE	RxLogix Corporation India Pvt Ltd	7.00

248	SHUBHAM SHARMA	05115602818	ADGITM	ECE	Paytm	5.00
249	SHUBHANGI	00296207319	ADGITM	ECE	WIPRO HR Services	3.30
250	SOHAM GHOSH	36096202818	ADGITM	ECE	DXC TECHNOLOGIES	4.00
251	SOUMYAJIT DAS	20596202818	ADGITM	ECE	INFOSYS	3.60
252	SOURAV SHARMA	42296202818	ADGITM	ECE	WIPRO	3.50
253	SOURAV SHARMA	42296202818	ADGITM	ECE	INFOSYS	3.60
254	SOUVIK BANERJEE	6996202818	ADGITM	ECE	INFOSYS	3.60
255	SOUVIK BANERJEE	06996202818	ADGITM	ECE	HCL	4.25
256	SUBHRANSHU SHEKHAR	7096202818	ADGITM	ECE	INFOSYS	3.60
257	SUHANA	41515602818	ADGITM	ECE	TCS	3.60
258	Sujit Kumar	07196202818	ADGITM	ECE	Capgemini	4.00
259	Sujit Kumar	7196202818	ADGITM	ECE	Nagarro	4.50
260	SUSHANT KAPOOR	7296202818	ADGITM	ECE	DXC TECHNOLOGIES	4.00
261	SUSHANT KAPOOR	7296202818	ADGITM	ECE	WIPRO	3.50
262	Suvam Bhunia	36215602818	ADGITM	ECE	NTT Data	3.50
263	SWATI	20615602818	ADGITM	ECE	WIPRO	3.50
264	SWATI	20615602818	ADGITM	ECE	INFOSYS	3.60
265	SWATI KAUSHIK	5415602818	ADGITM	ECE	WIPRO	3.50
266	SWATI KAUSHIK	5415602818	ADGITM	ECE	Coforge	4.25
267	TANIA NARANG	7396202818	ADGITM	ECE	WIPRO	3.50
268	TANIA NARANG	7396202818	ADGITM	ECE	INFOSYS	3.60
269	TANIA NARANG	7396202818	ADGITM	ECE	KPIT	4.00
270	TANIA NARANG	07396202818	ADGITM	ECE	Digit General Insurance	6.50
271	TANIA NARANG	07396202818	ADGITM	ECE	Zensar	4.00
272	TANIA NARANG	7396202818	ADGITM	ECE	Newgen	4.25
273	Tanishk Singh	42296202816	ADGITM	ECE	NewGen	3.60
274	TEJASV SINGH RAJPUT	05515602818	ADGITM	ECE	WIPRO HR Services	3.30
275	TEJASV SINGH RAJPUT	5515602818	ADGITM	ECE	E-Shipper (Tech Haus)	4.80
276	TEJASV SINGH RAJPUT	5515602818	ADGITM	ECE	NewGen	3.60
277	TRUNMAY DESHPANDE	36196202818	ADGITM	ECE	Coforge	4.25
278	TUSHAR MEHTA	7496202818	ADGITM	ECE	TCS	3.60
279	TUSHAR MEHTA	7496202818	ADGITM	ECE	WIPRO	3.50
280	UJJAWAL AGGARWAL	5615602818	ADGITM	ECE	WIPRO	3.50
281	VAIBHAV SETH	40296202818	ADGITM	ECE	INFOSYS	5.00
282	VAIBHAV SETH	40296202818	ADGITM	ECE	WIPRO	3.50
283	VAIBHAV TRIPATHI	715607319	ADGITM	ECE	Coforge	4.25
284	VANI BANSAL	5815602818	ADGITM	ECE	WIPRO	3.50
285	VANSH GUPTA	5915602818	ADGITM	ECE	INFOSYS	3.60
286	VIBHASH VAIBHAV	40615602818	ADGITM	ECE	Coforge	4.25
287	VIDIT TYAGI	7796202818	ADGITM	ECE	TCS	3.60
288	VIDIT TYAGI	7796202818	ADGITM	ECE	WIPRO	3.50
289	VINAY SINGH	7996202818	ADGITM	ECE	TCS	3.60
290	VINAY SINGH	7996202818	ADGITM	ECE	INFOSYS	3.60
291	VINAY SINGH	7996202818	ADGITM	ECE	Paytm	5.00
292	Vinesh Kumar	43715602818	ADGITM	ECE	Fidelity International	5.65
293	VIPUL KUMAR	6015602818	ADGITM	ECE	WIPRO	3.50
294	VIPUL KUMAR	6015602818	ADGITM	ECE	Mindtree	4.12
295	VISHAL YADAV	41015602818	ADGITM	ECE	WIPRO	3.50
296	VISHESH JOSHI	43315602818	ADGITM	ECE	Coforge	4.25
297	VISHESHTA MAROTHIA	115607319	ADGITM	ECE	S-Cube	3.40
298	VIVEK KUMAR	6115602818	ADGITM	ECE	TCS	3.60
299	VIVEK SHARMA	8096202818	ADGITM	ECE	DXC TECHNOLOGIES	4.00
300	VIVEK SHARMA	8096202818	ADGITM	ECE	Cognizant	4.02
301	YASH ROOP RAI	40415602818	ADGITM	ECE	INFOSYS	3.60

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Ms. Richa Malhotra
Editor



I am extremely delighted to introduce the latest edition of ECE Departmental technical magazine "LECTRON" for the session 2021 - 2022.

LECTRON provides you a perfect opportunity to immerse oneself in the technical developments of ECE DEPARTMENT as it gives you insights about the latest achievements in field of technology, placements, high quality publishing, original contributions & happening events from both i.e. faculty and students, point of view. I would like to thank all the members of the editorial board for putting up such a brilliant piece of work within such a short span of time which included collection of data, compiling, proof reading, editing, checking plagiarism etc.

I would also like to thank all the people who have contributed in some way or the other towards the magazine release. It will be highly appreciated if our team is provided with your valuable suggestions for the further improvement and enrichment of our upcoming volumes.