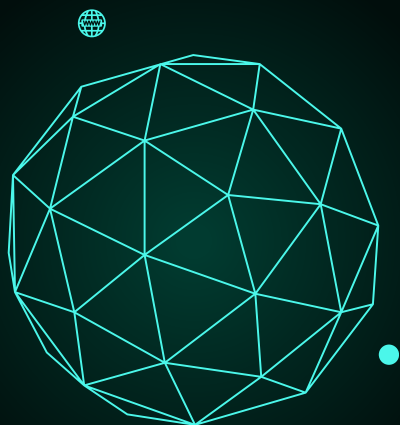




ECE-TELLER



Quaterly Teller
(SEPT-DEC)



Prof. (Dr.) Niranjan 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.

Editor's Note



I am extremely delighted to introduce the quarterly **TELLER OF ECE Department** that is from september to December .

TELLER provides you a lot of information and on the same side 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 **TELLER**.

MS. RICHA MALHOTRA

Editor-in-Chief



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.





INTERNET OF THINGS

ABOUT EVENT

We know that IoT is facing a high demand nowadays. Over the past few years, IoT has become one of the most important technologies of the 21st century which would shape our future world.

So, IEEE PES ADGITM organized an SIG Webinar on IoT for our IEEE geeks where we demystified the essentials of the Internet of Things. Attendees started from a beginner's level and soon realized why this one skill is so appealing to recruiters.

Our Guest speaker for the event was *Mr. Shrey Sharma*, Founder & CEO of SmarDEN (IoT Based Startup) | Professional IoT Trainer | IoT and Embedded Engineer. It was an interactive session that was organized keeping in mind that Technology has helped make searching for jobs more convenient than ever.



The growth of technology use in business has opened many job opportunities to those with the aptitude and willingness to learn how to use information technology.

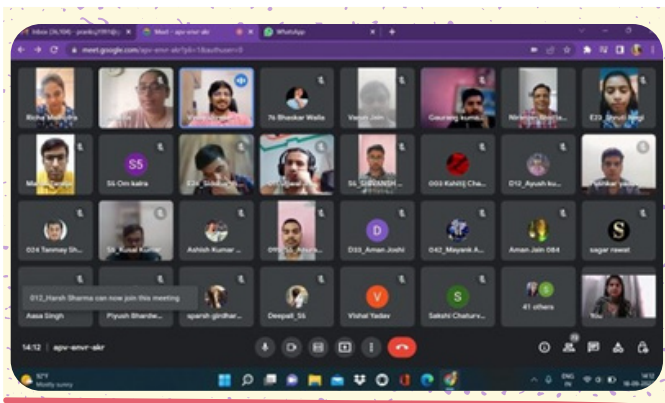
OBJECTIVE

1. To cultivate interest of members in the field of Embedded Systems and IoT.
2. To give a basic idea to the new students on how to use Arduino UNO.
3. To give a basic idea how to use different special techniques in the field of IoT



ALUMINI TALK

SEP 18, 2022



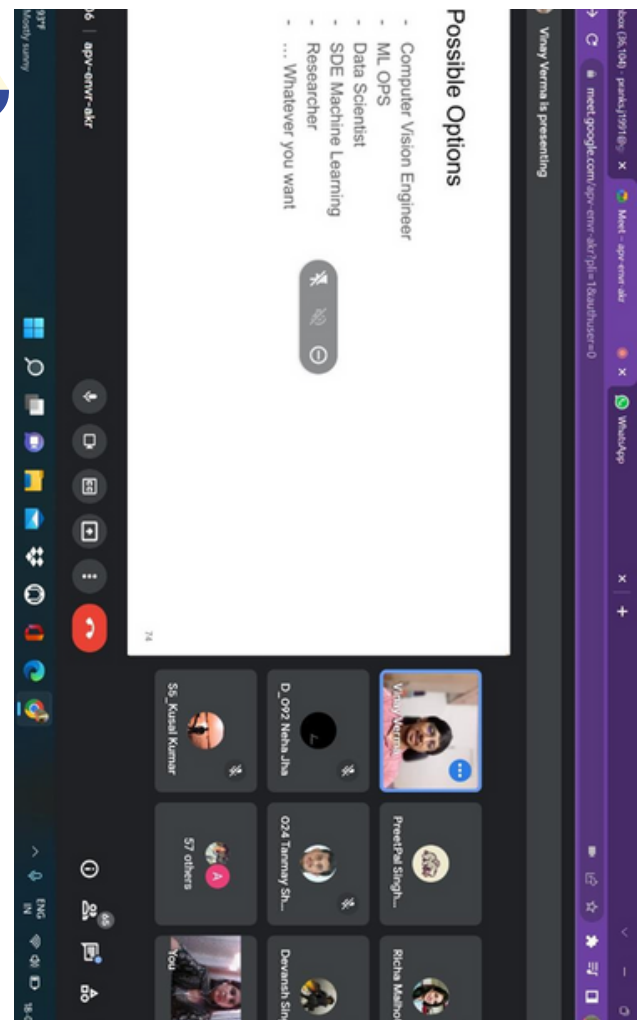
At last, he gave us real life examples and project ideas to work upon. The earlier students start picking up these skills, the more they will prepare for the job interviews in the future. He further added that internships help to build up our skills and supplement our knowledge.

PRESENTER - Mr. Vinay Verma

He is machine learning development engineer, former senior computer vision engineer at wobo.ai and former vice chairperson IEEE ADGITM

IEEE First of all, he told us about computer vision and role of college studies in it. He started with an introduction to computer vision and how interested students can pursue career in it. He emphasized on the fact that proper amount of data and knowledge of mathematical calculation is always necessary for working with machine learning. He gave a detailed insight of how the image is processed in machine learning and the output is predicted.

All these skills need a lot of training and we must refer to related books for the same. Next, we also got to know about what is deep learning and its various levels, representational learning, AI and real-life models working on it. Neural networks can predict wrong information sometimes by basic structure of images. To optimise this error, we need to show differences and classify things from simple to more complex pattern.





KHAYAL

29th September, 2022

ABOUT EVENT

IEEE ADGITM organized an educational-cum-charity drive where we tried to put a smile on these cute faces by planning some fun activities and providing them with some donations that they generally need but can seldom afford. The event was a huge success, given the fact that we had the best team to make our plan work!

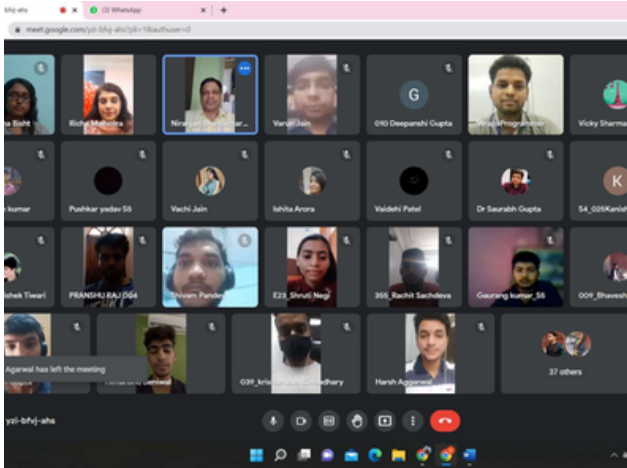
This event included a 2-day donation drive in the college campus on 27-28th of September. In this drive students from our college were asked to bring their old stationary and games for donation.



On 29th September we visited S.S Jain kanya Pathshala school in Chandini Chowk. This school has classes from 1st to 5th. The school had around 80 students present that day and we took 25 volunteers with us in our team. We were divided into group of 5 and were allotted one class. Various activities were conducted by volunteers in these classes. Classes 1st and 2nd made paper Planes and painted them whereas 3rd to 5th made Diwali cards. After that all of them were shown educational videos on laptops carried by the volunteers with them. We also played games with them such as to throw ball at a cup pyramid. Classes 3rd to 5th also did clay moulding, and we ended the day with hand impression activities.



ROADMAP FOR ANDROID DEVELOPMENT



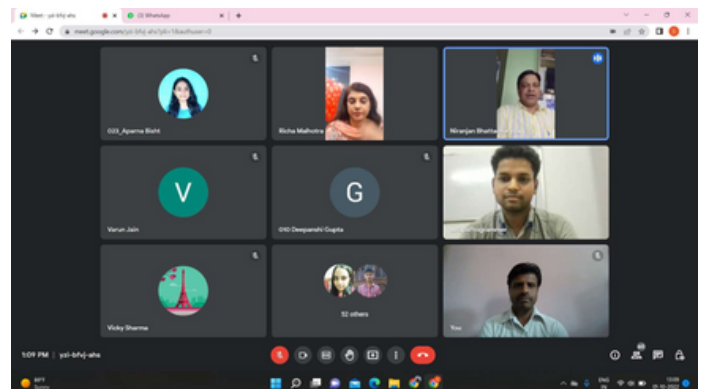
ACTIVITIES

He told the students about his journey from ordinary student to inspirational figure. He always had a dream of being an engineer. To make his engineering studies more interesting, he started to work with Arduino and projects based on it, like the Line Following Robot. As he stated, "If your journey starts to look boring, your goal will become hard to achieve." This thought took him to participate in SIH, KPIT, and e-Yantra. He and his friend started doing freelancing during lockdown, whose output came out wonderful. Then, he discussed what to study for Android development and how a different year student can work to polish their skills for it. He then discussed internships in big companies' and start-ups'.

He enthralled all the young minds with a detailed discssion numerous opportunities and career paths available. He also the student to only go with their passion and interest. He was enthusiastic about creating awareness about the scope of Android application development. He taught how to make efficient use of LinkedIn for job and internship opportunities.

ABOUT THE EVENT

IEEE PES ADGITM conducted a webinar on the topic COMPUTER VISION-FROMINSIGHT TO IMPLMENTATION on 17th July, 2022 for all students. It was organized keeping in mind the interests of students who seek to become acquainted with computervision that includedbasic knowledge of neural networks and how data processing s done. It was delivered by our very specialguest speaker, Mr. Vinay Kumar Verma.



OBJECTIVE

This programme aimed to give the platform for placement opportunities in Android development by Mr. Manish Singh, former winner of the Smart India Hackathon abbreviated as "SIH."

TECHNORAX

V8.0

ABOUT THIS EVENT

One of the biggest celebrations of technology in the world is the celebration of the IEEE day. All the members of IEEE all over the world celebrate IEEE day to mark the great technological advancements that have been done so far and to encourage young minds to come forward with their ideas to change the world.

IEEE ADGITM celebrated IEEE DAY on 13th and 14th October 2022 as its annual flagship event TECHNORAX V8.0 which is also the official technical fest of Dr. Akhilesh Das Gupta Institute of Technology and Management. The celebration was much more enthusiastic and grander from the previous ones with technical as well as non-technical events. Initiation of the new events like Robo race, LFR Race, Robo soccer, Robo tug o' war, ElectroGeeks helped in encouraging students and professionals to take up engineering as a passion and not profession. This also helped the students to know more about IEEE as a community of enthusiastic and passionate engineers who work for the betterment of society.

These events were prepared keeping in mind the interests and technical exposure of the students and professionals. Colleges from all over India were invited to this technical festival. Participation was received from other student branches and colleges which helped in the growth of the whole IEEE community.

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DAY 1

Day one (October 13th, 2022) began with the inaugural ceremony of the celebration by lighting the lamp by our Honourable CEO- Shri S.N. Garg, Respected Director sir- Dr. (Prof.) Sanjay Kumar, Director IQAC and Dean-Student Welfare-Respected Prof.(Dr.) Niranjan Bhattacharyya along with our Branch Counsellor Mr. Mohd. Saquib Faraz and Head of Departments of respective department. Day one was scheduled to have a 12-Hour Hackathon, T-Hacks 5.0 where 16 teams from different colleges and student branches were invited. These 16 teams were selected among 1028 teams that registered for the event after peer rigorous evaluations that the organising team conducted.

At the closing ceremony, the top 2 winning teams of the hackathon were presented with cash awards along with winning certificates to mark their win and appreciate their ideas & effort.



DAY 2

Day two (October 14th, 2022) consisted of many events including an exclusive house packed seminar was hosted by Founder and CEO of GeeksForGeeks, Mr. Sandeep Jain, which was a huge success and a milestone in the history of IEEE ADGTM and Technorax. Following this, there were many fun gaming stalls set up to beat the blues and provide some fun non-tech experience to our attendees. An open mic session took place in the auditorium where the students flaunted their talent and it served as a great interactive session with the attendees and the participants.

Then a career guidance session was conducted by Coding Blocks, where our speaker, Mr. Monu Kumar guided the students on how they can make their profile more competent and bag great placements. Events like, Robo wars, Robo Soccer, Robo Tug O' War, Tech-Expo were also conducted.

INDUSRTY

ACADEMIA INTERACTION

This program aimed to give exposure to students to the industry and the upcoming technologies and the fields to indulge in. "To the optimist, the glass is half full. To the pessimist, the glass is half empty. To the engineer, the glass is twice as needs to be."



Ms. Sudeshna Borah

A well know Chief Architect in Digital and Emerging Technology Ernst and Young, who began the day of Industry-Academia Interaction. She started by describing how she went from being a small-town girl to a well-known chief architect who works for Ernst and Young in the area of new and emerging technologies. She also discussed her prejudice against male dominance and how it didn't stop her from succeeding. She spoke with students on environmental degradation in particular. She inspired students and urged them to have faith in themselves and pursue their goals. Later, she spoke in detail about a few cutting-edge technologies, including green cloud, ESG, data science, etc.

Mr. B.K. Khatri

He was incredibly vivacious and engaged with the students. He is currently working as the Director- of Government Business SUSE India- Indian Subcontinent. He communicated with students using his slides, answered their questions, and provided them with guidance for their life ahead. He gave students an explanation of how business is run. Later, he inspired students and helped them realize their potential. He motivated the students to push their limits to achieve their goals



Mr. Ramesh Sharma

who holds the position of Sr. Principal Engineer in the Cadence Design System. With his vast years of comprehensive work experience in his field, not only he shared his valuable learnings with the students but also guided them in various sectors of life. Not forget to mention that a questionnaire was also held in which the students participated enthusiastically. He also expressed confidence that students will certainly come out with solutions to the problems they might be facing. Later on, he talked about some of the philosophical topics thus making a prominent conclusion of the session

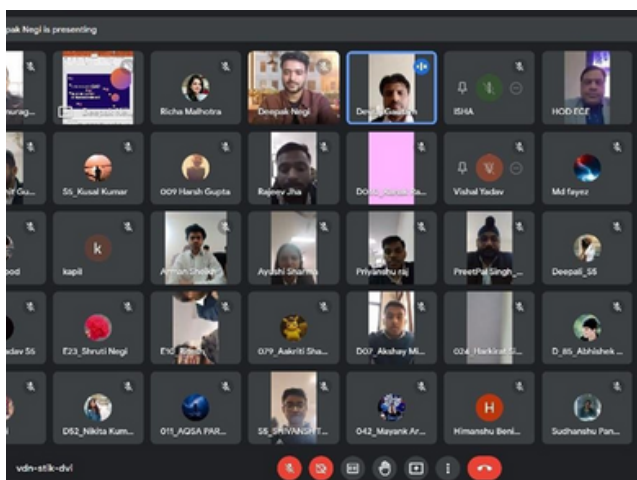


This program aimed to give guidance on how to crack CAT Exam

HOW TO CRACK CAT



Through slides, he spoke with the students and gave them advice for their future. He emphasized how to manage one's time effectively as well as how to remain dedicated and focused on achieving the desired results. Additionally, he motivated students by encouraging them to pursue their dreams and to believe in themselves. The quote "build critical thinking rather than problematic thinking" was used to steer the conversation in the right direction. Not forget to mention that a questionnaire was also held in which the students participated enthusiastically which ultimately made the session very interactive. In the end, it must be concluded that it was worthwhile to attend the session. The students benefited much from it.



IEEE TRAINING SESSION



IEEE ADGTM PES

IEEE XPLORE

Guest Speaker:
Mr. Ritesh Kumar
Senior Training Manager
EBSCO, Information Services India Pvt. Ltd.

IEEE Xplore®
Digital Library

SALIENT POINTS

1.	Introduction to IEEE Explore Digital Library Platform,
2.	Introduction to Code Ocean – Platform for reproducibility.
3.	Introduction to new Author profile page.
4.	Update on 2021 and 2022 new journal/conferences.
5.	Make decisions faster by accelerating the research, and problem-solving with various search functionalities.

ABOUT EVENT

IEEE ADGTM has been supporting the literary and academic activities through various modes and opportunities as offered by IEEE from time to time. In the same regard, a training session was scheduled on 22nd Dec 2022 at ADGTM to explore IEEE Explore DigitalLibrary Platform for interested faculty, lab staff and students. The training session was chaired by Mr. Ritesh Kumar, Senior Training Manager, EBSCO Information Services India Pvt. Ltd. He was felicitated with a memento from Respected Director Prof. (Dr.) Sanjay Kumar, and Respected Director IQAC and Dean-Student Welfare Prof. (Dr.) NiranjanBhattacharyya along with IEEE BranchCounselor Mr. Vikas Varshney.



TECHNO UTSAV

EVENTS

01 HACKATHON
COD
NIRMAAN

02 TREASURE HUNT
TUG OF BOTS
VINTAGE RACING

03 DESIC
MARKETING BUZZ
DATA TREK

TechnoUtsav-2022 was organised on 23-Dec-2022 at ADGITM, Delhi in association with the following Societies:

1. Logix, Kritrim Dhi, Datazoic
2. NEEV
3. RoboGyan
4. SAE
5. Sankalp
6. IEEE-ADGITM (Sponsored Society)



ACHIEVING HEIGHTS

 **DR. AKHILESH DAS GUPTA INSTITUTE OF TECHNOLOGY & MANAGEMENT**
(FORMERLY KNOWN AS NORTHERN INDIA ENGINEERING COLLEGE)
FC-26, SHASTRI PARK, NEW DELHI - 110053

 **BBD GROUP**

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Congratulations

SHIVAM VOHRA
Enrollment number : 06696202818

B.TECH (ECE)

FOR GETTING PLACED IN
"DXC Technology"

PACKAGE : 4 LPA



 **DR. AKHILESH DAS GUPTA INSTITUTE OF TECHNOLOGY & MANAGEMENT**
(FORMERLY KNOWN AS NORTHERN INDIA ENGINEERING COLLEGE)
FC-26, SHASTRI PARK, NEW DELHI - 110053

 **BBD GROUP**

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Congratulations

RAJEEV RAJPUT
Enrollment number : 04115602818

B.TECH (ECE)

FOR GETTING PLACED IN
TCS(Digital profile)

PACKAGE : 7.6 LPA



 **Dr. Akhilesh Das Gupta Institute of Technology & Management**
(Formerly Known as Northern India Engineering College)
FC-26, Shastri Park, New Delhi - 110053

 **BBD GROUP**

Congratulations

NITESH GARG
B.Tech ECE Branch 2018-22
on getting multiple placement offer



PLACED IN **Google**
28.88 LPA

 **DR. AKHILESH DAS GUPTA INSTITUTE OF TECHNOLOGY & MANAGEMENT**
(FORMERLY KNOWN AS NORTHERN INDIA ENGINEERING COLLEGE)
FC-26, SHASTRI PARK, NEW DELHI - 110053

 **BBD GROUP**

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Congratulations

AMAN GOEL
Enrollment number : 00696202818

B.TECH (ECE)

FOR GETTING PLACED IN
"INFOSYS"

PACKAGE : 3.6 LPA



 **DR. AKHILESH DAS GUPTA INSTITUTE OF TECHNOLOGY & MANAGEMENT**
(FORMERLY KNOWN AS NORTHERN INDIA ENGINEERING COLLEGE)
FC-26, SHASTRI PARK, NEW DELHI - 110053

 **BBD GROUP**

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Congratulations

ANANT AGRAWAL
Enrollment number : 00615602818

B.TECH (ECE)

FOR GETTING PLACED IN
"WIPRO"

PACKAGE : 3.5 LPA



Much more

