EXTREME

THE ESSENCE 2022-23

GALGOTIAS EDUCATIONAL INSTITUTIONS

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Annual Magazine of
COMPUTER SCIENCE AND ENGINEERING DEPARTMENT

GALGOTIAS COLLEGE OF ENGINEERING AND TECHNOLOGY

COMPUTER SOCIETY OF INDIA ESTD. 1965

IEEE UP SECTION (INDIA) STB07021

श्री राधा

वृन्दावनेश्वरी राधा कृष्णो वृन्दावनेश्वरः।
जीवनेन धने नित्यं राधाकृष्णगतिर्मम।।

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The Department of Computer Science & Engineering provides world-class research and education in modern computer science. The department has a cohesive team of well experienced faculty members having wide experience in recent technologies like Cloud computing, Grid Computing, High Performance Computing, Multimedia etc. It has different computer labs like IOT lab, Data Structure lab, Operating System lab, Multimedia lab, Web Technology lab, Research & Development lab. It also promotes active industry-institute collaboration by identifying areas of interest.

Some of the major research areas which the faculty members and students working on are Computer Networks, Database Systems, Multimedia, Image Processing, Software Engineering, Computer Architecture, Information System – Security and Data Mining, Machine Learning, IOT.

The department excels in varied focus areas ranging from curriculum as prescribed by AKTU to game engineering. An extracurricular calendar of events and competitions give students ample opportunities to work together while gaining real-world experience that prepare them for their future careers. The department has extensive student engagement framework through regular interactions, annual educational tours, regular feedback mechanism, professional chapters and societies. The focus of the department is on state-of-the-art projects to be done by our B. Tech students, excellent teaching learning process, better alumni relations, good industry linked program and outcome based education.

Galgotias Computer Science graduates are recruited by industry-leading companies where they work to develop the hard and soft technologies we use everyday - the innovations that will make this world a better place for future generations.

Galgotias Educational Institutions (GEI) have been inculcating practical skills and creating 'Global Professionals' for more than 15 years. Founded by Smt. Shakuntala Educational and Welfare Society, Galgotias Educational Institutions is currently led by Mr. Suneel Galgotia, Chairman and a resolute visionary. Galgotias College of Engineering & Technology is placed among the best in professional education in Dr. APJ Abdul Kalam Technical University (Formerly U.P. Technical University). It has achieved top positions in MBA, MCA and B.Tech. finals and has a record of 100% placements with the best corporate houses. It has also been ranked amongst the top engineering colleges in India by DATAQUEST NASSCOM survey and OUTLOOK-C Fore College Survey.

Galgotias Educational Institutions combine a supremely empowering educational process, industry stalwarts in their faculty, global educational associations and relentless placement efforts, to offer the best of career opportunities to its students. Galgotias Educational Institutions are known for a combination of state-of-the-art campus, strategic teaching-learning process, together with the most advanced facilities, creating an environment in which wholesome corporate personalities are created.

GALGOTIAS EDUCATIONAL INSTITUTIONS

GALGOTIAS EDUCATIONAL INSTITUTIONS

VISION

To be a leading educational institution recognized for excellence in engineering education & research producing globally competent and socially responsible technocrats.

MISSION

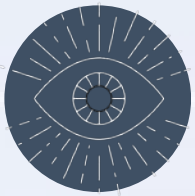
- To provide state-of-the-art infrastructural facilities that support achieving academic excellence.
- To provide a work environment that is conducive for professional growth of faculty & staff.
- To collaborate with industry for achieving excellence in research, consultancy and entrepreneurship development.

OUR VISION AND MISSION

COMPUTER SCIENCE & ENGINEERING

VISION

To be center of excellence in providing contemporary education and research in the field of computer science and engineering.



MISSION

1. To create conducive learning environment through effective teaching and learning process promoting quality education and research

2. To promote research, consultancy and entrepreneurship development through industry - institute collaborations

3. To make the students corporate ready with the right spirit and interpersonal skills

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

1. Excel in their career by acquiring knowledge in the field of Computer Science & Engineering with the usage of modern tools and emerging technologies.

2. Demonstrate and analyze real life problems of the society and produce innovative solutions.

3. Exhibit amicable communication skills and team work in the industry and research organization through professional development and lifelong learning.

PROGRAM SPECIFIC OUTCOMES (PSOs)

1. Design computer based systems using theoretical computer science that demonstrate the comprehension of the trade-offs involve in the design choice.

2. Design, develop and test software for different applications with real time constraints.

FROM THE DESK

''I feel immensely proud that our institution is committed to impart education and provide an environment for a holistic development. I feel privileged to be leading a talented group of student and faculty. With this new issue of the magazine, We bring you a glimpse of myriad of streams of activities being pursued."

Dr. Vishnu Sharma,
HOD - CSE & Allied Specialized Branches

FROM THE DESK

''Computer Science and Engineering Department has always been supreme in it's approach to education. The way we teach and the way our students learn is unique and creative. It has made its mark in academic, sports and cultural fields. Overall development of the individual is the goal of education and we all have to ensure that there is no stone left unturned to equip the students of today for the challenges of life."

Ms. Ritu Dewan,
Vice President, Extreme Club (CSE), GCET

FROM THE DESK

It is an honour to be a part of an institution that aims at overall development of its students. The Department of CSE provides an inclusive environment that motivate students to bring out their best, be it in academics, sports or social activities. It provides various opportunities not only to polish their talents but also to enhance their personalities. We also ensure that students become disciplined and modest as they reach great heights in their career ahead bringing glories to their families and institution.

Ms. Shikha Singh,
Event Chair, Extreme Club (CSE), GCET

EXTREME

EXTREME TEAM

The EXTREME Team is a group of enthusiasts of 2nd and 3rd year students from the CSE Department of Galgotias College of Engineering and Technology, who are working together, with their talent, curiosity to learn, and dedication to achieve the bigger goal of all-round development of personality, skills and knowledge.

Vice President
Dr. Inderpreet Kaur
President
Dr. Vishnu Sharma
Events Chair
Ms. Shikha Singh
SECRETARY
JOINT SECRETARY
SOCIAL
MEDIA

EVENTS

EVENTS & ACTIVITIES

Childrens' Day

Children's Day was celebrated in a government primary school on November 16th by the CSE Department and STB07021. The students had a great time playing games and dancing with the children. A notepad, stationary, and snacks were given to each child, and a brief speech from the Vice President and Event Chair of the CSE Department was given to the children. The day became livelier and more energetic for everyone, with big smiles on their faces.

Langar Sewa

The department of CSE & Allied Branches and STB07021 organized Langar Sewa to celebrate the occasion of Guru Nanak Jayanti. Students of the department actively participated in the community service at Shri Guru Nanak Dev Darbar Gurudwara - Alpha II, Greater Noida. They donated pulses, rice, ghee and cash to the Gurudwara and interacted with the people of the Sikh community. All participants had the opportunity to have a delightful meal at the Langar along with the other guests at the Gurudwara. The event successfully celebrated the festival of Guru Nanak Jayanti and helped in exploring the culture of the Sikh community. It was an extremely fulfilling experience and all the participants got to seek blessings of Guru Nanak Dev Ji.

Christmas Carnival

The department of CSE & Allied Branches and STB07021 organized a Christmas Carnival to celebrate Christmas at Galgotias College of Engineering and Technology on 25th December, 2022. The E-Block Arena was decorated with red and white colored decorations. The event started with a dance performance by Kanika followed by a group dance by Aryan, Vansh, Sanjana and Akansha. The center of attraction was the skit performed by the students of the department which was on the 'Missing Santa'. Exciting game stalls were there to entertain the participants. Finally, a DJ was arranged by the members of the club to dance open heartedly. The event was successfully conducted in the presence of the faculties, club heads and club members of the department.

WORKSHOPS, SEMINARS & TRAININGS

The seminar was conducted by a reputed professional who has extensive experience working and studying abroad. It aimed to provide students with insights into the different career paths available abroad and the opportunities available for students to pursue higher education abroad. The speaker shared his personal experiences of working and studying abroad and how it had shaped his career. He discussed the different job roles and responsibilities, growth prospects, and salary ranges for various careers. He also discussed the admission process, eligibility criteria, scholarships, and funding options available for students. Overall, the seminar was a success, providing students with a clear understanding of the different career paths available abroad and the opportunities available for pursuing higher education abroad.

Seminar on best career in abroad

The session was aimed at helping students enhance their personal and professional skills,
improve their confidence, and develop a positive attitude towards life.
The session began with an introduction by the facilitator, who emphasized the importance
of personality development in today's competitive world. He discussed the various aspects
of personality development, including communication skills, time management, goal
setting, stress management, and more.
The facilitator then conducted a series of interactive exercises to help students identify their
strengths and weaknesses and develop strategies to overcome their limitations.

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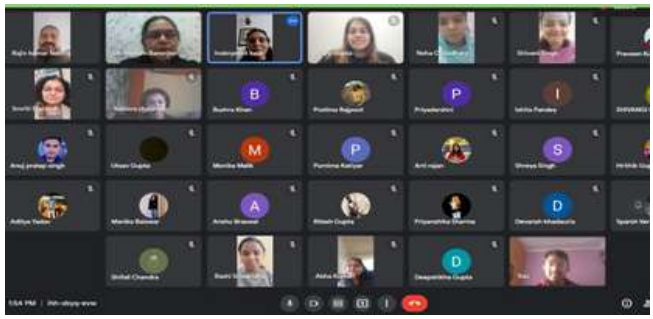
strengths and weaknesses and develop strategies to overcome their limitations.

Seminar on Know your Personalities

"Celebrating World Mental Health Day 2022 with Dr. Aanchal Makhija: Insights, Awareness, and Appreciation"
Dr. Aanchal Makhija was a dental surgeon transformed to Clinical Psychologist and Mental Health Counsellor. She has done Psychological and Counselling Diploma and courses (SEEK) from JohnsHopkins Emergency Medical System and UNESCO respectively. She has worked with many organizations like Ram Manohar Lohia Hospital, New Delhi, as mental health counsellor in Covid-19 with Delhi Government, with different NGOs like Udayan Care, as a Patient Support Group Counsellor in Mohan Foundation and many more. She highlighted the importance of yoga and inhale exhale exercise, and explained how one can identify that they are suffering from some issue. At the end of the session, Dr. Annu and Dr. Bipin Srivastava presented E-momento to Dr. Aanchal Makhija along with a vote of thanks to the Speaker, all the participants and volunteers, Kartikey Pratap Singh, Anshika Nigam, AmitVerma and Zainab on behalf of the whole Galgotias family.



Webinar on "World Mental Health Day 2022" by Dr. Aanchal Makhija

Samarthya: An IAS Talk

The talk session was conducted by a senior Indian Administrative Service (IAS) officer and was organized in collaboration with the NSS Hindu Cell. It aimed to inspire and motivate students to pursue a career in civil services and to create awareness about the role of civil servants in society. The session began with an introduction by the IAS officer, who discussed the role of civil servants in implementing government policies and programs, and how their work impacts the lives of citizens. The session concluded with a call to action for students to consider pursuing a career in civil services and to work towards making a positive impact on society. Overall, the talk session was a success, providing students with a clear understanding of the role of civil servants in society and the qualities required to become a successful civil servant.

The sole purpose of the workshop was to inculcate the basic idea of cloud computing.
In this workshop, the students of computer science department were invited. Initially, the
speaker told the attendees about the absolute idea of cloud computing and its vast industrial applications.
The speaker also demonstrated the practical application of offshore web hosting, i.e., the
practice of hosting a website on servers located outside one's own country and also
mentioned that technically you can host a website on foreign servers anytime if you are engaging in offshore hosting.
The attendees showed great enthusiasm and joined the workshop. The workshop was
conducted by the computer science department under the kind supervision of Prof. (Dr.) Vishnu Sharma (President – Extreme Club, HOD -Computer Science and Allied Specialized Branches)

Workshop on Cloud Computing and AWS

Career Counselling Workshop

During the workshop, the speaker from T.I.M.E informed the participants about how to decide our future. They also talked to the participants about different opportunities after having a bachelor's degree. Today we often hear reports showing different opportunities in different fields. The speaker also talked about different exams like CAT, GATE, etc... and how to prepare for such types of exams. They also talked about how T.I.M.E can help students to achieve their future goals.

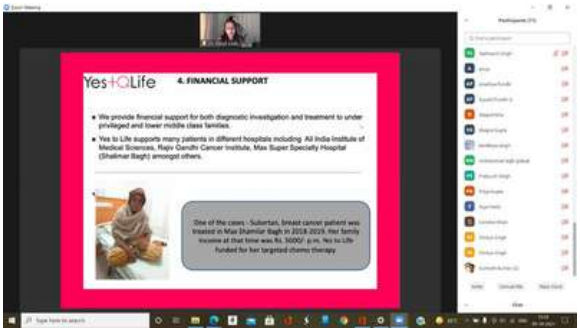
The annual Conference of C# Corner, CSharpCon22, was organized on October 15th, 2022 at Hyatt Centric, Delhi. It featured eminent industry guest speakers, keynote speakers, workshops, and motivational talks. Key technologies highlighted were.NET, Mobile, Cloud, Data, Security, Web 3.0, NFTs, Metaverse, Defi, Blockchain, and Crypto. Tracks in the conference included Cloud & Data, Data career path, Machine Learning, NLP, Twitter Sentiment analysis, Sounds of Silence: Experience Vibrational Technology of Consciousness. Net 6 Minimal API including swagger, and Scaling.Net Application using Azure. Keynote speakers included Magnus Martensson, Umang Sharma, Viral Jain, Harish Kumar, and Deepak Sharma. The conference gave a new way for Career path in Data Science and Data Engineering.

C# Conference visit for students at Hyatt Centric, New Delhi.

Data Science Seminar

The event started with telling what actually does data science mean.
He emphasized on how data science is used for ameliorate marketing along with more refined innovations which help in enriching lives and moreover by analyzing the large datasets from customer feedback, companies can make the required amendments.
The relation of data science with artificial intelligence and machine learning was also explained. Data science is majorly applied in search-engines, transport, finance, e-commerce, health care and in technologies like image recognition, targeting recommendation and in medicine and drug development. He also prioritized on the usage of databases rather than excel sheets for large amount of data.
The event was highly informative as well as useful. Moreover, it aided the students in clearing their doubts of the emerging technologies in today's era.

In this event, the attendees got to know about the basics of Machine Learning.
The participants showed great enthusiasm and joined the workshop, after the end of the workshop, many students were interested in learning this particular skill as it is one of the highly demanded skills. Machine Learning opens a world of opportunities to build cutting edge applications to deploy some great models that can be beneficial for our society.
The future of machine learning is already here, it's just that machine learning career is exploding now because of smart algorithms being used everywhere from email to mobile apps to marketing campaigns.
Workshops are a great way to introduce someone to a new experience, technology or any skill. It is one of the things that helps the student to grow in their cooperate life.



Workshop on Data Analytics

Workshop on Data Science

The event emphasized on how data science is used for ameliorate marketing along with more refined innovations.
Data science is used to improve marketing, refine innovations, and analyze large datasets from customer feedback. It is used in search-engines, transport, finance, e-commerce, health care, and technologies like image recognition, targeting recommendation, and medicine and drug development. Databases are preferred for large amounts of data, and the event was informative and useful. It helped students clear their doubts of the emerging technologies in today's era.

The 4th IEEE International Conference on Advances in Computing, Communication Control and Networking (ICAC3N-2022) was held on 16-17th December, 2022 at the Department of Computer Science & Engineering, Galgotias College of Engineering & Technology, Greater Noida, India. The conference brought together leading academicians, researchers and research scholars to share their experiences and technological advancements in Computing, Communication Control & Networking. The Chief Patrons Hon'ble Shri Suneel Galgotia, Chairman, GEI and Hon'ble Shri Dhruv Galgotia, CEO, GEI highly acknowledged the efforts of Prof. (Dr.) Vishnu Sharma, Convener & Conference Organizing Chair- ICAC3N-22, HOD-CSE Department.

The ICAC3N-2022 conference was organized by Prof. Vishnu Sharma, Convener & Conference Organizing Chair- GCET. It was segregated into 14 technical tracks explaining the steams of Artificial Intelligence, Data Science, Machine Learning, Deep Learning, Cyber Security and Cloud Computing. The conference received tremendous response from all around the world, receiving over 600 research papers from many countries. There were 14 keynotes delivered in the conference overall by eminent speakers from all around the globe. The participants enjoyed the conference to a great extent as it helped in increasing their knowledge sharing through connection and exploration.

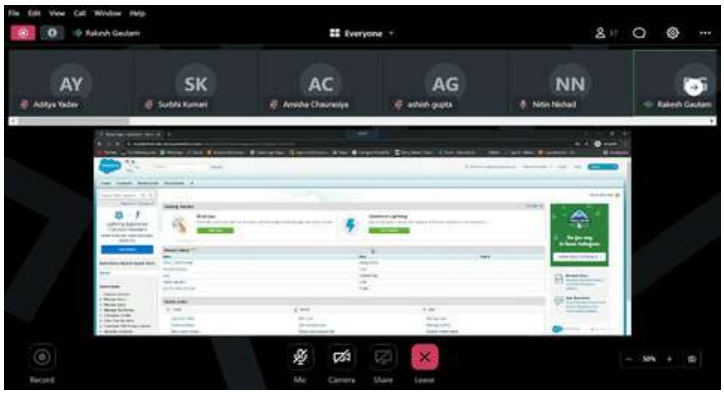
ICAC3N-22, IEEE Conference

Workshop on Data Analytics and its Tools

The Extreme Club of the Computer Science and Engineering Department organized a workshop on "Data Analytics and its Tools" to equip students with the necessary knowledge and skills to work with big data and analytics. The workshop covered topics such as data collection, data cleaning, data visualization, and statistical analysis. Experts from Shape My Skills provided insights into the practical applications of data analytics in various industries. Participants were able to apply the theoretical concepts they learned to solve real-world problems using data analytics tools. The workshop was well-received by the participants, who appreciated the expertise of the trainers and the opportunity to learn from industry leaders.

The C.S.E department and STB07021 organized a Workshop on Data Science and Artificial Intelligence. In this event, the attendees got to know about the basics of Data Science & AI and its importance and applications. The participants showed great enthusiasm and joined the workshop, after the end of the workshop, many students were interested in learning this particular skill as it is one of the highly demanded skills. Workshops are a great way to introduce someone to a new experience, technology or any skill. It is one of the things that helps the student to grow in their cooperate life.

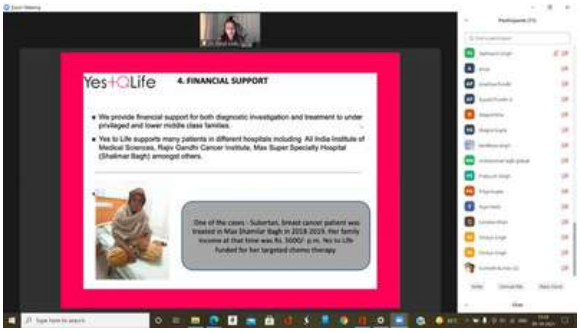
Workshop on Data Science and Artificial Intelligence



Public Lecture by Cefipra Lecture Series

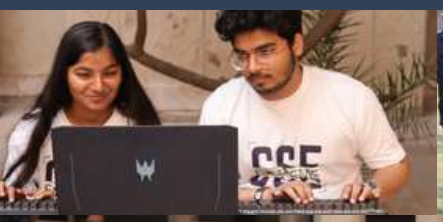
The Cefipra Lecture series organised a public lecture at Shiv Nadar University, Greater Noida on 13th February 2023 for the students of C.S.E. Department. The students were welcomed by Mr. Nitin Singh Negi and were shown the Biodiversity Garden and the Art Gallery. The panel discussion was interactive and focused on the current research going-on in the field of Quantum Technology. The session ended with a positive note that while doing research, one should not think of what to achieve as it would limit the possibility of achieving something greater. The students were provided refreshments and returned back to college at 3:30 p.m.

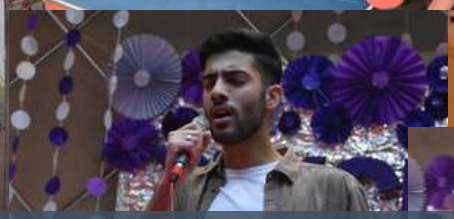
The Department of Computer Science and Engineering organized a workshop on Introduction to Virtual Labs in association with the Indian Institute of Technology, Kanpur (IITK) on 27th, Feb 2023 at E-022 from 03:00 P.M. to 05:00 P.M. The workshop provided students with hands-on experience in using virtual labs to conduct experiments and simulations in various fields. It covered topics like virtual instrumentation, data acquisition, signal processing, and control systems. The workshop was conducted by experts from IIT Kanpur and was attended by students from various colleges and universities. The participants were able to apply the theoretical concepts they learned to solve real-world problems using virtual labs. The workshop concluded with a hands-on session where participants were able to experiment with virtual labs and gain a deeper understanding of the technology.

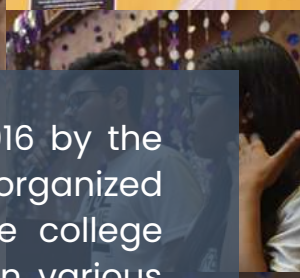


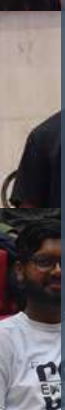
Workshop on Introduction to Virtual Labs

DAKSH'23







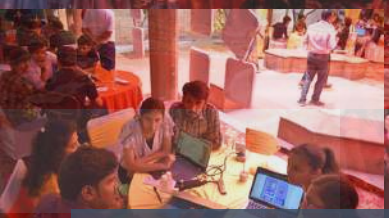


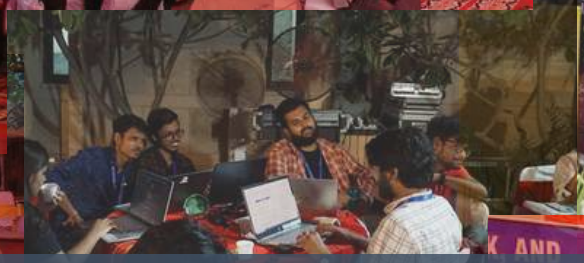
DAKSH is a techno-cultural fest which is held every year since 2016 by the department of Computer Science and Engineering. Every year it is organized within the college premises and the students from all over the college actively participate in the fest, showcase their talents and skills in various fields, winning various awards and certificates. This year, we were accompanied by our hon'ble Director Dr. Mohd. Asim Qadri, Head of Computer Science Department Dr. Vishnu Sharma, Vice-President, Extreme Club Mrs. Ritu Dewan and the HOD's of various other departments.

As always, the fest started with the Inauguration Ceremony which comprised offering of prayers and lighting diyas before the Goddess of Wisdom, Saraswati ji. It was then followed by various activities including dance performances and a skit performance demonstrating the theme of the event, 'An Ethereal Odyssey', followed by Jashn-E-Hunar event and fun galore activities and performances including those of our department faculties.

Various events like, Pixel perfect, Treasure Hunt, Graphic Genie, X-Tempo-Rate, Badminton, Table Tennis, Doodle art, Tug-o-War and many more were organised this year. Huge number of participations and excitement was witnessed, at DAKSH 2023. Winners of each competition were awarded with certificates and medals.

TECHNOTHON 2.0





TECHNOTHON'23 was a hackathon event organized by the Department of Computer Science and Engineering, Galgotias College of Engineering and Technology.

It was the biggest, international event of its kind, which aimed at offering a platform for technical competence for creative minds to identify momentous challenges and provide solutions for these real life scenarios. It encouraged young minds to think innovative ways and prototype their ideas and develop the necessary product as per the emerging trend.

The grand event was coordinated by our deemed Professors **Dr. Inderpreet Kaur, Dr. Pallavi Goel, Ms. Ritu Dewan, Ms. Shikha Singh, Mr. Mohit Chowdhary, Mr. Kanhaiya Kumar, Ms. Aparna Singh**. Also, the event was managed by the volunteers from 3rd year, **Ayush Ranjan (JS-Technical), Ayush Aggarwal (JS-Sponsorship)** and coordinators (secretariat) from 3rd year under the guidance of our hon'ble **Dr. Vishnu Sharma (HOD, CSE and Allied Specialized Branches)** and highly respected **Dr. Ritesh Srivastava (Dy. HOD, CSE Department).**

Technothon'23 covered the emerging technologies and based it's themes on the same- **Artificial Intelligence**, **Internet of Things**, **Blockchain Tech**, **Cyber security**, **Healthcare and Biomedical devices**, **Automobile**, **Robotics and Drones**, **Agriculture**, **and Automation**, **Graphics and Gaming**, **Banking and FinTech**.
There were 300 teams consisting of 1-4 members in each team.

- Round 1 took place in online mode wherein the teams had to pass the screening where they submitted a novel problem statement belonging to the themes of the Technothon and were given improvement suggestions.
- In Round 2 teams were evaluated on the basis of Novelty & Efficacy of the suggestions & improvements given in the first round by the jury.
- In 3 rd and final round, the final implementation and demonstration of working model were evaluated by the jury members.

MCN Solutions Pvt. Ltd.

The C# Corner organized an industrial visit training for the students of GCET on 25th February, 2023 at MCN Solutions Pvt. Ltd. Sector 63, Noida. The session was taken by Mr. Rohit Gupta, an Intel® AI Edge Scholar, ML & Cognitive Robotics Enthusiast, and 2 times C# Corner MVP. The main area of interest was the difference between the Monolithic and Microservices architecture in software projects. A mini social media activity was organised to write the best comment on C# session feedback. The visit helped the students to understand more about the technical software industries and their working methodologies.

TRAINING BASKET Pvt. Ltd.

The Extreme Club of the Computer Science and Engineering Department organized an industrial visit to Training Basket Pvt. Ltd. on 25 March 2023 to provide students with practical exposure to the concepts of networking and help them understand the implementation of networking concepts in the industry. The visit started with a presentation by the experts from Training Basket Pvt. Ltd. on the basics of networking, followed by a tour of the company's networking infrastructure. The students also interacted with the company's networking professionals, who shared their experiences and insights on working in the networking industry. The visit was well-received by the students, who appreciated the opportunity to learn from industry experts and observe real-world applications of the concepts they studied in class.

PLACEMENT RECORDS

Cognizant

Abhishek Chaudhary
Ajitesh Gautam
Akhilesh Kumar
Anjali Sharma
Ashutosh Bajpai
Ekagra Gupta
Hrithik Gupta
Kaushal Chauhan
Manika Baiswar
Naman Jain
Saurabh Jain
Shantanu Singh
Tanisha Jain
Tanishk Merothiya
Veid Krishna Mishra
Waqar Ahamad
Arpita Srivastava
Mohammad Hashir

HCL

Amar Rai
Divyanshu Kumar
Naman Gupta
Sparsh Verma

JOSH Technology Group

Abhimanyu Tiwari

Capgemini

Akhilesh Kumar
Amar Rai
Anand Yadav
Anurag Chauhan
Ayush Srivastava
Devraj Pahariya
Kunal Gupta
Nikhil Gupta

Infosys

Akhilesh Kumar
Anand Yadav
Anubhav Rai
Anuj Dhakrey
Ashutosh Bajpai
Devraj Pahariya
Mohammad Kazim Abbas
Naman Jain
Rupesh Kumar
Saurabh Jain
Tanishk Merothiya
Shifali Chandra

TCS TATA CONSULTANCY SERVICES

Aditya Jaiswal
Akhilesh Kumar
Himanshu Verma
Manvendra Singh
Naman Gupta
Naman Jain
Prakhar Gupta
Pratham Mangla
Rashi Srivastava
Sanyam Sharma
Shivani Singh
Shreyash
Siddharth Bhadauriya
Tanishk Merothiya
Vikas Kumar Bedi
Vivek Keshari
Mohammad Shoaib

cvent

Atul Dayal

accenture

Abhishek Chaudhary
Ajitesh Gautam
Anshu
Anurag Chauhan
Ekagra Gupta
Harshit Garg
Kunal Gupta
Mayank
Mohammad Mudassir
Naman
Prachee Singh
Priyanshi Jain
Puneet Kumar Singh
Rahul
Shantanu Singh
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Intelligent System For Automatic Medicine Alert Generating Using Internet Of Things

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Artificial Intelligence Technology Based Intelligent Mobile Robot System

1.Mr. Zatin Gupta, 2.Mr. Vivek Tomar, 3.Dr Amrit Kumar Agrawal, 4.Mr. Ashish Kumar Gupta, 5.Dr. Mohd Sadim, 6.Dr. Sher Jung, 7.Dr. Sandhya Tarar, 8.Dr. Praveen Kumar Rai, 9.Dr. Sunil Kumar Chawla, 10.Dr Anand Prakash Shukla

Robotic Device For Sample Collection At Archaeological Site

1.Dr. Manish Kumar Gupta, 2.Dr. Anurag Choubey, 3.Dr. Hitesh Kumar, 4.Dr. Anoop Kumar Pathariya, 5.Dr. Akhilesh Kumar Choudhary, 6.Akanksha Vijay Agrawal, 7.Dipak Prabhakar Charde, 8.Manish Kumar Sharma, 9.Abhishek Kumar, 10.Shraddha N. Zanjat

Prediction of Leaf Diseases and Infection Levels in Combination with Process Monitoring using Deep Learning

1. Dr. G. Karthick , 2. Mr. T. Akilan, 3. Dr. U. Hariharan , 4. Ms. M. Chandraprabha, 5. Dr. Jaya Sinha, 6. Ms. P. Durgadevi, 7. Mr. Vivek Keshari

IoT Based Cattle Health Monitoring And Movement Tracking System

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System To Combine Multi-Source Content In Digital TV Program Guides

1.Ms. Ritu Dewan, 2.Dr. Vishnu Sharma, 3.Dr. Mayank Kumar Goyal

System and Method for DTH Services by ONE Multiple SIM Intelligent DTH Box

1.Ms. Ritu Dewan, 2.Dr. Vishnu Sharma, 3.Dr. Mayank Kumar Goyal

YOUNG MINDS

Embracing the Unexpected

Imagine yourself in a situation where you waited for a particular phase for a long time and when finally you're into it, everything turns out to be completely different. You spent all the time thinking 'bout how you're goin' to handle it all, what all mistakes you won't make, what all stuff you'd like to give your time for, your highs and how you're goin' to live for them 'n at the same time, 'bout your lows 'n you know that you're able to handle them better than anybody else. But then, out of just nowhere, you just find yourself thrown into it, 'n now, suddenly, you don't know how to do it, you just forget it all, you thought you mastered it Pre - handedly, but while you're into it, you feel like an amateur, you feel clueless, and frustrated. You try to improve the situation, work on it, you strive harder, you try to work on yourself, you just try to make it all better, like how you imagined it all to be, but guess what? That's not helpin' you.

It all just appeared differently inside your head. No matter how hard you try, how things work for sometime, 'n after sometime you just again find yourself at the same spot where you were when you first started building yourself even before this phase, from where it all started. Remember?? Don't tell me you don't remember that feelin'.

But maybe, sometimes, all the preparations that we make, all the observations, all the wisdom, it just fades away, OR, to be more precise, it APPEARS to be fading.

Just when these thoughts strike you headfirst, remember, here in this moment, it ALL lies. Either you can again build yourself up, or you can just let this fade away too. But this is 'bout you? Isn't it? So what will you choose?

Letting all of that consume you? Or consuming it all and consuming all the perfectly imperfect part of yourself that you previously didn't know 'bout? Accepting yourself completely and again let yourself meet the horizon of the inner-self that you are, that you already know you had back before, you discovered it way before anyone, 'n yes its not a competition, its something which makes you realise what your inner self is capable of. Your true potential. It can heal you. YOU can heal YOU. Nobody else can do that for you, only you posses the power and the control.

''N when this starts to happen, just stop thinkin' 'bout everything else for while 'n think 'bout yourself. 'Cause that's the time when you need YOURSELF the most. Where you need your advice. Your conscious should speak for itself by that time. So for that to happen, give it a chance, 'n it'll speak for itself.

N now that you know 'bout them, 'n you've accepted it, you'll figure this out super soon. Just don't stop workin' on it. 'N remember there's always a space for improvement, always. 'N just when you'll think that you have known yourself, life's goin' to hit you with a truck of newness. So be ready for it all, ig we're never ready. Its just about complete spontaneity,

'N Ms. Perry (Katy Perry) once said:-

"'Cause baby you're a firework,
Come on show them what you're worth. "

Okay, these were not mine.

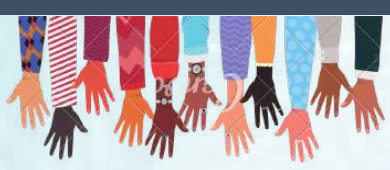
'N Ik you're goin' to search for this afterwards. (Oh not again that reader part of you, telling you to search for this on the internet 'n then spend your next 5 minutes or maybe 15 trying to read all the in-betweens? Know it all kind haan?) Sounds quite relatable? Ikr. Hehe.

- RIDHI RAJPUT
CSE

Understanding the climate change and its impact on our planet

Climate is an average weather pattern; it is the mean of meteorological variables over decades.Changes in climate pose risk to human and natural systems. It has increased the severity of heat waves coastal inundation due to rise in sea level and changes in rainfall patterns.
Visible changes over the 20th century are rise in average air and ocean temperature, sea level, long term sustained reduction of snow and changes in the atmospheric and ocean circulation and regional weather patterns which influences seasonal rainfall conditions.
Greenhouse gas effect, a natural process that warms the Earth surface when the sun's energy reaches Earth's atmosphere, a portion of it is reflected back to space in under breasts absorbed and re-radiated by greenhouse gases.Increased greenhouse gases have increased the average temperature of earth. The concentration of greenhouse gases is increased due to human activities like burning fossil fuels, agriculture and land clearing.
Australia's changing climate was the reason behind the massive bushfire, killing wild species and burning down trees. A warming climate can cause seawater to expand and ice over land to melt, both of which can cause a rise in sea level. Earth is becoming hotter, and more prone to extreme heat, bushfires, droughts, floods and longer fire seasons because of climate change.
Hotter air can hold more water fumes. For every level of warming, the air's ability for water fumes goes up by around 7%. An atmosphere with more dampness can deliver more exceptional precipitation occasions.
Worldwide temperatures rose about 1.98° (1.1°C) from 1901 to 2020, however environmental change alludes to in excess of an expansion in temperature. Water, energy, transportation, untamed life, farming, biological systems, and human wellbeing — are encountering the impacts
of an evolving environment.
Ocean level rise has sped up from 1.7 mm/year all through a large portion of the 20th centuryto
3.2 mm/year since 1993.Glaciers are contracting: normal thickness of 30 very much concentrated on ice sheets has diminished in excess of 60 feet since 1980.The region covered by sea ice in the Cold toward the finish of summer has contracted by around 40% since 1979.The sum of carbon dioxide in the air has ascended by 25% beginning around 1958, and by around 40% since the Modern Revolution.Snow is softening prior contrasted with long haul midpoints.
Levels of the 2 most critical anthropogenic greenhouse gases, carbon dioxide and methane, persevered their unrelenting upward thrust in 2020 no
matter the monetary slowdown resulting from the coronavirus pandemic reaction,
NOAA introduced these days.the global floor common for carbon dioxide (CO2), calculated from
measurements collected at NOAA's far flung sampling places, turned
into 412.five components according to million (ppm) in 2020, rising by 2.6 ppm at some point of the yr. the global charge of increase become the 5th-maximum in NOAA's sixty
three-yr record, following 1987, 1998, 2015 and 2016. the annual mean at NOAA's Mauna Loa Observatory in Hawaii was 414.four ppm at some stage in 2020.
Flooding is an growing trouble as our weather is converting. as compared to the start of the twentieth century, there are both more potent and extra frequent abnormally
heavy precipitation events throughout the globe.
Mitigation entails lowering the reasons of weather alternate through lowering greenhouse gases
inside the atmosphere:
1》 Alternative strength production.
2》 Carbon capture.
3》 Planting trees.
4》 International agreements.
5》 Change in agricultural systems.
6》 Managing water supply.
7》 Reducing threat from growing sea levels.

- APRAJITA SINGH
CSE-AI



YOUNG MINDS

YOUNG MINDS

सूरज

बहुत बड़ी एक बात हुई है,
सूरज के घर रात हुई है।

अंधेरे का दर्द मिला है,
गम का मौसम सर्द खिला है।

दर्द अंधेरे का जाएगा,
सवेरा फिर से आएगा।

वक्त लगेगा थोड़ा सा,
गम की बर्फ पिघलने में।

वक्त लगेगा थोड़ा सा,
सूरज के फिर जलने में।

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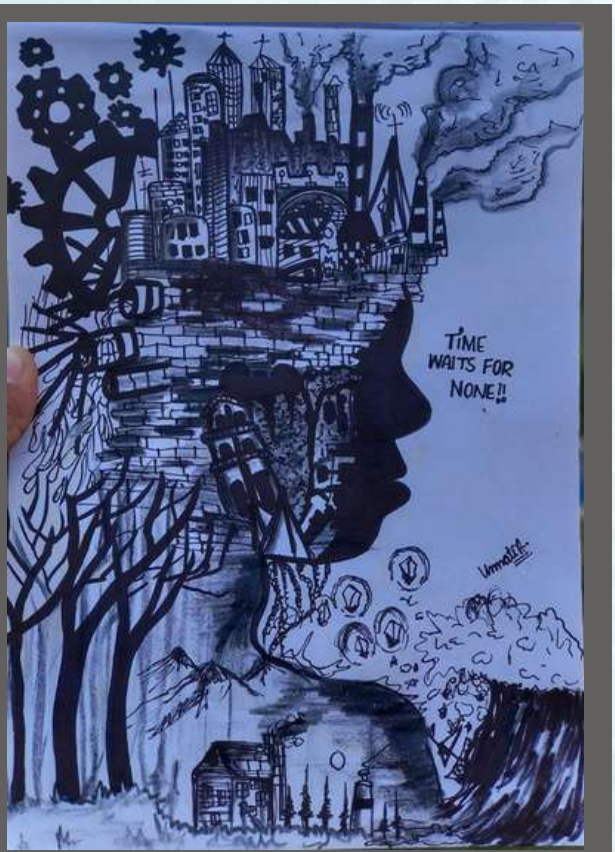

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YOUNG MINDS

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