



KPR Institute of  
Engineering and  
Technology

"Computer science empowers  
students to create the world of  
tomorrow."

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

# NewsLetter—Fantastics 23



Volume  
02

JAN 2023 – JUNE 2023



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II CSE B

Department of Computer Science and Engineering



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# ABOUT THE DEPARTMENT

The Department had a humble beginning with an intake of 60 students in Under Graduate program in Computer Science and Engineering (B.E.) in the year 2010. Post Graduate program in Computer Science and Engineering (M.E.) was introduced in the year 2014 with an intake of 18 students. Today the Department caters the needs of 720 students. The Department has been accredited by NBA and has also been recognized as a Research Centre by Anna University, Chennai.

In our department, we have 46 highly qualified, dedicated faculty members for the upliftment of the student fraternity. The curriculum and syllabi are revised once in 6 months with the feedback of alumni and industry experts to make the students meet the industry expectation for their career and development. The syllabus is embedded with GATE curriculum that strives the students to clear competitive exams like UPSC (IAS), GATE. The Department has state of the art infrastructure in terms of laboratories, classroom, seminar hall, etc. The Department is stepping forward to expand its wings from the national to international area through innovative teaching practices and industry/academic collaborations. Special labs <sup>such as</sup> Mobile App Development, Data Science, Machine Learning, Augmented reality and Virtual Reality, Networks and Intelligence Computing are initiated to help the students excel in industrial environment.

The Department has signed MoUs with Emurgo Amazon Web Services, REDHAT, EMURGO for establishing Center of Excellences through which the students are benefited with International certification courses like RHCSA, BLOCKCHAIN, ORACLE, AI& Machine learning from Xebia University, C-DAC CLOUD. To equip the students, the department offers with value added courses in Data Science and Big data analytics by Dell EMC2, Oracle, Block chain and Java. Apart from academics, the college provides platform to the students in order to showcase their unique talents through various non- technical clubs like Dance, humor, music, food photography, Art & Craft Internet radio club etc. Liberal arts courses like roof gardening, two-wheeler maintenance and other are also offered by various departments open to all the students.



# ABOUT THE DEPARTMENT

## *Vision of the Department*

To foster the students by providing learner centric teaching environment, continuous learning, research and development to become thriving professionals and entrepreneurs to excel in the field of computer science and contribute to the society.

## *Mission of the Department*

1. Providing value-based education and contented learning experience to the students
2. Educating the students with the state of art technologies and cultivating their proficiency in analytical and designing skills
3. Enabling the students to achieve a successful career in Computer Science and Engineering or related fields to meet the changing needs of various stakeholders
4. Guiding the students in research by nurturing their interest in continuous learning towards serving the society and the country

## *Programme Educational Objectives (PEOs)*

The Graduates of Computer Science and Engineering will:

PEO1: Obtain knowledge in cutting edge technologies in the field of computer science, necessary to solve real time problems through value-based education

PEO2: Possess skills for team building, leadership quality and ethical values necessary to function productively and professionally

PEO3: Develop innovative ideas to establish themselves as professionals and entrepreneurs in computing industry



# ABOUT THE DEPARTMENT

PEO4: Continue to learn new technologies through higher studies and research

## *Programme Outcomes (POs)*

Graduates of Computer Science and Engineering will have:

PO1 Engineering Knowledge: An ability to apply the knowledge of mathematics, science, engineering and computing appropriate to computer science and engineering

PO2 Problem Analysis: An ability to understand, analyze, formulate and solve engineering problems using principles of mathematics and computer science

PO3 Design/development of Solutions: An ability to design and construct software system, component or process to meet the desired needs within the realistic constraints

PO4 Conduct Investigations of Complex Problems: An ability to use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, synthesis of information to provide valid conclusions

PO5 Modern Tool Usage: An ability to create, select and apply appropriate techniques, resources and modern IT tools to complex engineering activities with an understanding of the limitations

PO6 The Engineer and Society: An understanding of professional, ethical, legal, security and social responsibilities

PO7 Environment and Sustainability: An ability to understand the impact of engineering solutions in societal and environmental contexts for a sustainable development

PO8 Ethics: Ability to apply ethical principles and commit to professional ethics and responsibilities



# ABOUT THE DEPARTMENT

PO8 Ethics: Ability to apply ethical principles and commit to professional ethics and responsibilities

PO9 Individual and Team Work: An ability to function effectively on multi-disciplinary teams to accomplish a common goal

PO10 Communication: An ability to communicate effectively with engineering community and society and be able to comprehend and write effective reports and documents, make effective presentations and give and receive clear instructions

PO11 Project Management and Finance: Demonstrate the understanding of engineering management principles and apply these to manage projects as a member and/or as a leader in a team

PO12 Life-long Learning: Recognize the need for lifelong learning in the context of technological change

## *Programme Specific Outcomes (PSOs)*

Graduates of Computer Science and Engineering will have:

PSO1: An ability to identify and analyze data management system like data acquisition, big data so as to facilitate the students in solving problems using the techniques of data analytics

PSO2: An ability to apply design and development principles of hardware and software in emerging technology environments like cloud computing and cyber forensics



# FACULTY DETAILS

<i>Sl. No</i>	<i>Name</i>	<i>Designation</i>
1	<i>Dr Yuvaraj N</i>	<i>Professor &amp; Head</i>
2	<i>Dr Akila M.</i>	<i>Professor</i>
3	<i>Dr Vishnu Kumar K.</i>	<i>Professor</i>
4	<i>Dr Thangaraj P.</i>	<i>Professor</i>
5	<i>Dr Balamurugan A.</i>	<i>Professor</i>
6	<i>Dr Manoj Kumar S.</i>	<i>Professor</i>
7	<i>Dr Kamaraj K.</i>	<i>Associate Professor</i>
8	<i>Dr Suresh P.</i>	<i>Associate Professor</i>
9	<i>Dr Saravanan M.</i>	<i>Associate Professor</i>
10	<i>Dr Sri Preethaa K. R.</i>	<i>Associate Professor</i>
11	<i>Dr Siva Sangari M.</i>	<i>Associate Professor</i>
12	<i>Dr Vignesh V.</i>	<i>Associate Professor</i>
13	<i>Dr Sivakumar T.</i>	<i>Associate Professor</i>
14	<i>Dr Nisha Soms</i>	<i>Associate Professor</i>
15	<i>Dr Vidhya K.</i>	<i>Assistant Professor(Sl.G)</i>
16	<i>Dr Aswathy R. H.</i>	<i>Assistant Professor(Sl.G)</i>
17	<i>Dr Rajasekaran T.</i>	<i>Assistant Professor(Sr.G)</i>
18	<i>Dr Jenifa G.</i>	<i>Assistant Professor(Sl.G)</i>
19	<i>Dr Senthil Prakash P. N.</i>	<i>Assistant Professor(Sl.G)</i>
20	<i>Mr Kandasamy S.</i>	<i>Assistant Professor(Sr.G)</i>
21	<i>Mr Sivaramakrishnan R.</i>	<i>Assistant Professor(Sr.G)</i>
22	<i>Mr Vijayaganth V.</i>	<i>Assistant Professor(Sr.G)</i>
23	<i>Mr Premkumar M.</i>	<i>Assistant Professor(Sr.G)</i>
24	<i>Mr Nitin B. Raut</i>	<i>Assistant Professor(Sr.G)</i>



# FACULTY DETAILS

25	<i>Ms Kiruthika J. K.</i>	<i>Assistant Professor (Sr.G)</i>
26	<i>Ms Geetha S. K.</i>	<i>Assistant Professor (Sr.G)</i>
27	<i>Mr Selvakumar G.</i>	<i>Assistant Professor (Sr.G)</i>
28	<i>Mr Raguvaran S.</i>	<i>Assistant Professor (Sr.G)</i>
29	<i>Mr Mohan M.</i>	<i>Assistant Professor (Sr.G)</i>
30	<i>Ms Vishnupriya B.</i>	<i>Assistant Professor (Sr.G)</i>
31	<i>Mr Karthic S</i>	<i>Assistant Professor (Sr.G)</i>
32	<i>Mr Kathiresan K</i>	<i>Assistant Professor (Sr.G)</i>
33	<i>Mr Prem Kumar D</i>	<i>Assistant Professor (Sr.G)</i>
34	<i>Ms Primya T.</i>	<i>Assistant Professor (Sr.G)</i>
35	<i>Ms Mouthami K</i>	<i>Assistant Professor (Sr.G)</i>
36	<i>Mr Naveenkumar M.</i>	<i>Assistant Professor</i>
37	<i>Ms Sri Sathya K. B.</i>	<i>Assistant Professor</i>
38	<i>Ms Nandhini N.</i>	<i>Assistant Professor</i>
39	<i>Mr Karthikeyan B.</i>	<i>Assistant Professor</i>
40	<i>Mr Sridharan S.</i>	<i>Assistant Professor</i>
41	<i>Ms Gitanjali Wadhwa</i>	<i>Assistant Professor</i>
42	<i>Ms Preethi T.</i>	<i>Assistant Professor</i>
43	<i>Ms Jeevitha R.</i>	<i>Assistant Professor</i>
44	<i>Ms Sasikala C.</i>	<i>Assistant Professor</i>
45	<i>Ms Janani M.</i>	<i>Assistant Professor</i>
46	<i>Ms Renukadevi</i>	<i>Assistant Professor</i>
47	<i>Ms. P. Kanagapriya</i>	<i>Assistant Professor</i>
48	<i>Ms. P. Umarani</i>	<i>Assistant Professor</i>
49	<i>Ms Jency Jebamani</i>	<i>Assistant Professor</i>

Jan  
2023

# EVENTS ORGANIZED

## 1. How to become a Full Stack Web Developer

The session started with a welcome address followed by Inaugural address which was delivered by Dr. Nisha Soms, AsP/CSE, KPR Institute of Engineering and Technology. After a short introduction about the resource person, Ms. Ragavi R, Software developer, Halleyx, Coimbatore started her session about "How to become a full stack developer and scope of Mongo DB" She started her session with an introduction on full stack and continued explaining the sub topics like Web development phases, tools for UI/UX designs, etc... She explained web designing framework and backend tools with hands-on. She explained how web development is a platform independent of various databases like NOSQL Database, MongoDB, and others. Once she finished the session participants posted their queries related to the topics and she answered them solving their confusion and showing a few hands-on with a free online database.

No. of participants: 39 Students: 36 Faculty: 3



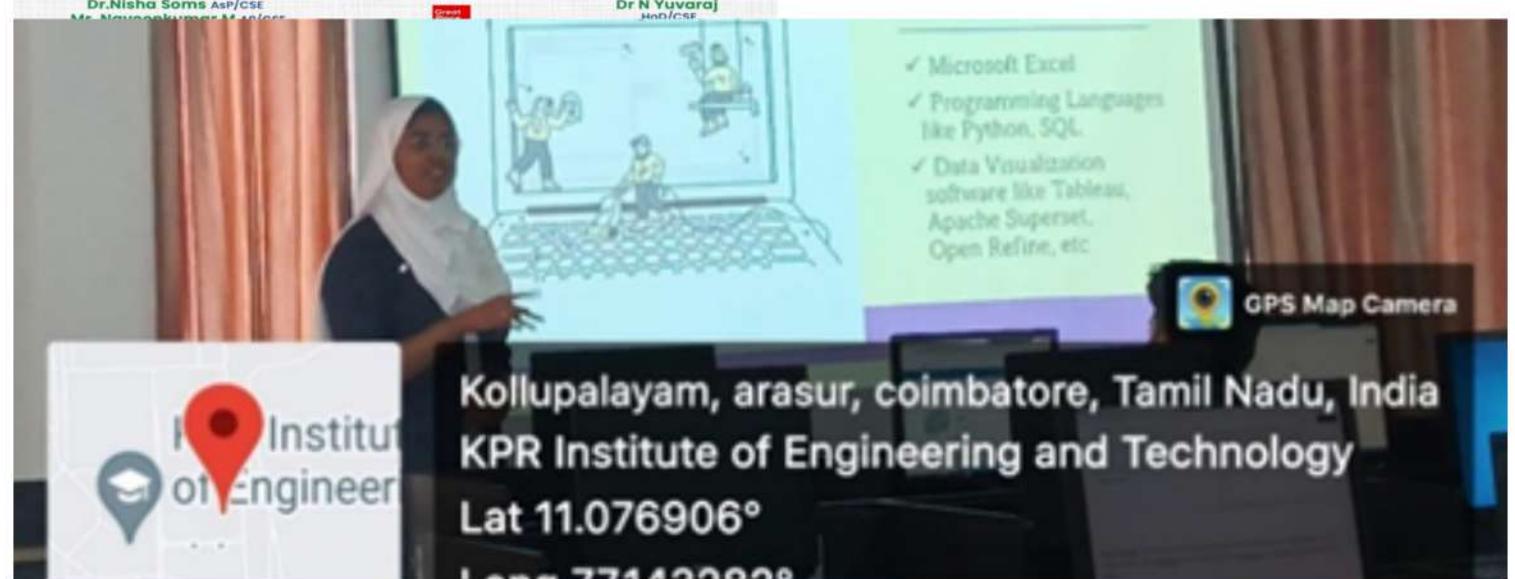
Feb  
2023

# EVENTS ORGANIZED

## 2. How to become a Full Stack Web Developer

The session started with a welcome address followed by Inaugural address which was delivered by Dr. Nisha Soms, AsP/CSE, KPR Institute of Engineering and Technology. After a short introduction about the resource person, Heena Firdaus A S, Data Analyst, Accenture Solutions Pvt Ltd, India started her session about “Data Cleaning in Data Science” She started her session with an introduction on data cleaning and continued explaining the sub topics like data cleaning phases, tools for data cleaning, etc... She explained data science and various datasets and its possible text data preprocessing tools with hands-on. She explained how the text preprocessing will done with various constraints. Once she finished the session participants posted their queries related to the topics and she answered them solving their confusion and showing a few hands-on with a free online dataset tools.

No. of participants: 39 Students: 36 Faculty: 3



Feb  
2023

# EVENTS ORGANIZED

## 3. How to become a Full Stack Web Developer3. Real time Applications of Computational theory

The theory of computation (TOC) mainly comprises Computability Theory, Automata Theory, and Complexity Theory. Computability theory is the branch of the theory of computation that studies which problems are computationally solvable using different models of computation. A central question of computer science is to address the limits of computing devices by understanding the problems we can use computers to solve. Computability theory concerns what can be computed versus what cannot, and complexity concerns the resources required to compute the computable things. Automata theory deals with designing abstract computing devices to develop methods to describe and analyze the dynamic behavior of discrete systems. It is an exciting, theoretical branch of computer science. The formality of automata theory can be applied to analyzing and manipulating actual human language and developing human-computer interaction (HCI) and artificial intelligence (AI). It is a computer science branch that deals with how a problem can be solved efficiently by using an algorithm on a model of computation.

**KPR Institute of Engineering and Technology**  
(Autonomous, NAAC 'A')  
**Department of Computer Science and Engineering**  
Sri Sankaracharya Hall - Remonstrants Auditorium  
University - Coimbatore

**Organizes**  
Guest lecture on  
**"Real time Applications of Computational theory"**

**Resource Person**  
**Ms Prathilothamai M**  
Assistant Professor(Sr.G)  
School of Computing  
Amrita Vishwa Vidyapeetham  
Coimbatore

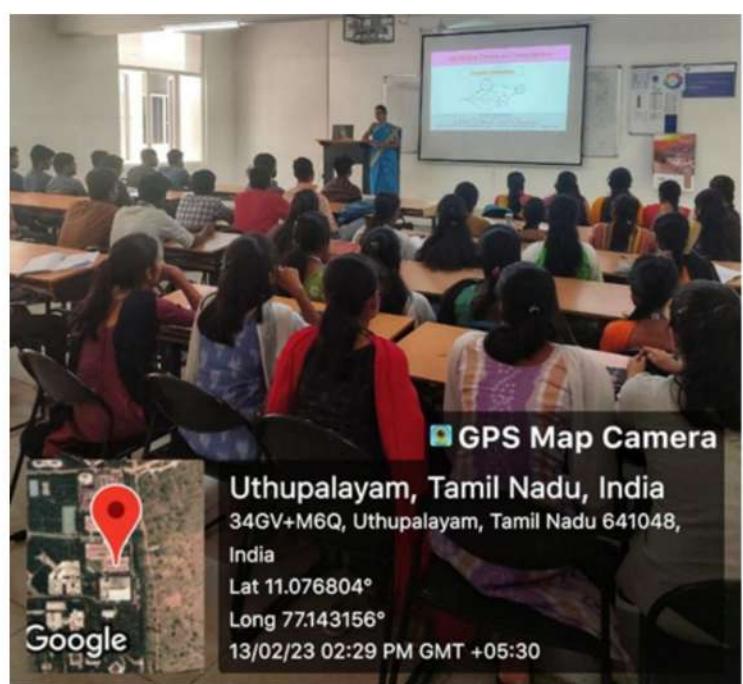
13th Feb 23    2.00pm - 4.00pm    Thanam Hall

**Convenor**  
Dr N Yuvaraj  
HoD/CSE

**Coordinators**  
Dr Nitika Ravichandran  
Dr. P.M.Aravindh Prakash Ar/(SL)/CSE  
Ms. Janani Mar/CSE  
Ms. SasiKala Cse/CSE

**G20**  
GOALS 2030

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Mar  
2023

# EVENTS ORGANIZED

## 4. STEPNBOOM'23

The Department of Computer Science and Engineering at KPR Institute of Engineering and Technology (KPRIET), Coimbatore organized an Inter College Technical Symposium "STEPNBOOM'23" for Diploma Students on March 24th, 2023. Dr. N. Yuvaraj, Professor and Head, Department of Computer Science and Engineering, KPRIET delivered the special address to the students and august gathering. He gave a brief introduction about the department and the faculty expertise and the student's professional elective tracks. He also interacts with the students about the department verticals and their group mapping with various technologies. The technical symposium consists of four different events namely, project presentation, technical connections, Technical treasure hunt, and gaming. The department hopes to organize more such events in the future and continue to provide students with exciting and engaging opportunities to learn and grow. The feedback was collected through Google forms from the participants after the events to improve the quality of future events. This will also help the coordinators to understand the areas where the participants need more guidance. Mr. Kandasamy, Assistant Professor (Sr. G), and Mr. Naveenkumar M, Assistant Professor, Department of CSE organized the Inter College Technical Symposium "STEPNBOOM'23" for Diploma Students on March 24th, 2023 grant success



Mar  
2023

# EVENTS ORGANIZED

## 5. Cyber Safety and Security Consciousness

The Department of Computer Science and Engineering at KPR Institute of Engineering and Technology (KPRIET), Coimbatore organized an Inter College Technical Symposium "STEPNBOOM'23" for Diploma Students on March 24th, 2023. Dr. N. Yuvaraj, Professor and Head, Department of Computer Science and Engineering, KPRIET delivered the special address to the students and august gathering. He gave a brief introduction about the department and the faculty expertise and the student's professional elective tracks. He also interacts with the students about the department verticals and their group mapping with various technologies.



Protection of digital assets: Being cyber safety and security conscious can help individuals and businesses protect their digital assets such as intellectual property, trade secrets, and confidential information. Compliance with regulations: Many countries and industries have regulations that require businesses to have measures in place to protect their digital assets. Being cyber safety and security conscious helps businesses comply with these regulations and avoid legal consequences. Overall, being cyber safety and security conscious is essential for protecting personal and business digital assets, preventing cyber-attacks, and promoting digital transformation. By understanding safe online behavior and cyber security best practices, students can ensure their digital safety and security in today's digital world.

No. of participants: 205 Students: 200 Faculty: 5

Mar  
2023

# EVENTS ORGANIZED

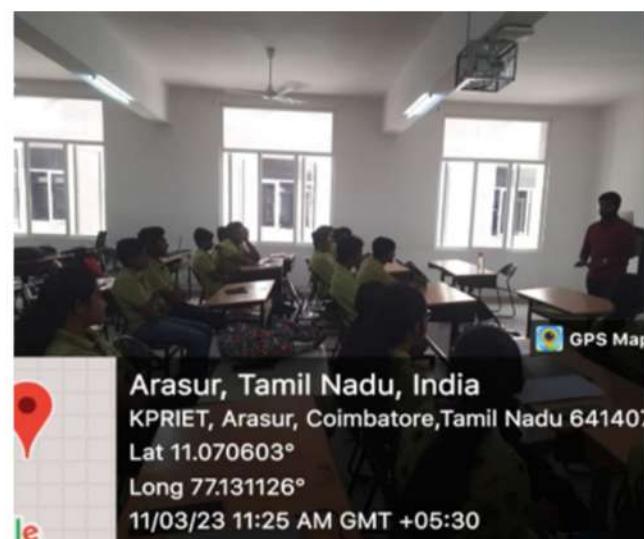
## 6. Impact of Google Analytics and Google Tag Manager in Digital Marketing

The resource person Mr. Viknesh B. S visited our campus by 10.45 am. He was introduced by Dr. Aswathy R.H and the session started at exactly by 11.00 AM. Marketing of Products and Services through the use of digital technologies, mainly through the internet, including smartphones and other digital medium, falls under the umbrella of Digital Marketing. Web Analytics is the measurement, collection, analysis, and reporting of web data to understand and optimize web usage. Web Analytics is a part of Digital Marketing. The points discussed with students are:

1. Google Analytics is a web analytics service offered by Google that tracks and reports website traffic, currently as a platform inside the Google Marketing Platform brand.
2. Collects data from your websites and apps to create reports that provide insights into your business.
3. Provides statistics and basic analytical tools for Search Engine Optimization (SEO) and Marketing Purposes.
4. Google Analytics has Standard (Free) and GA4 360 (Premium).
5. Latest Google Analytics version is 4 (GA4) which replaces Universal Analytics (UA) aka GA3.
6. Google Tag Manager: It gives the ability to add and update tags for conversion tracking, site analytics, and remarketing.

The session ended by 12 pm and there was an interaction session with students till 12.15 pm.

No. of participants: 41 Students: 38 Faculty: 2 External: 1

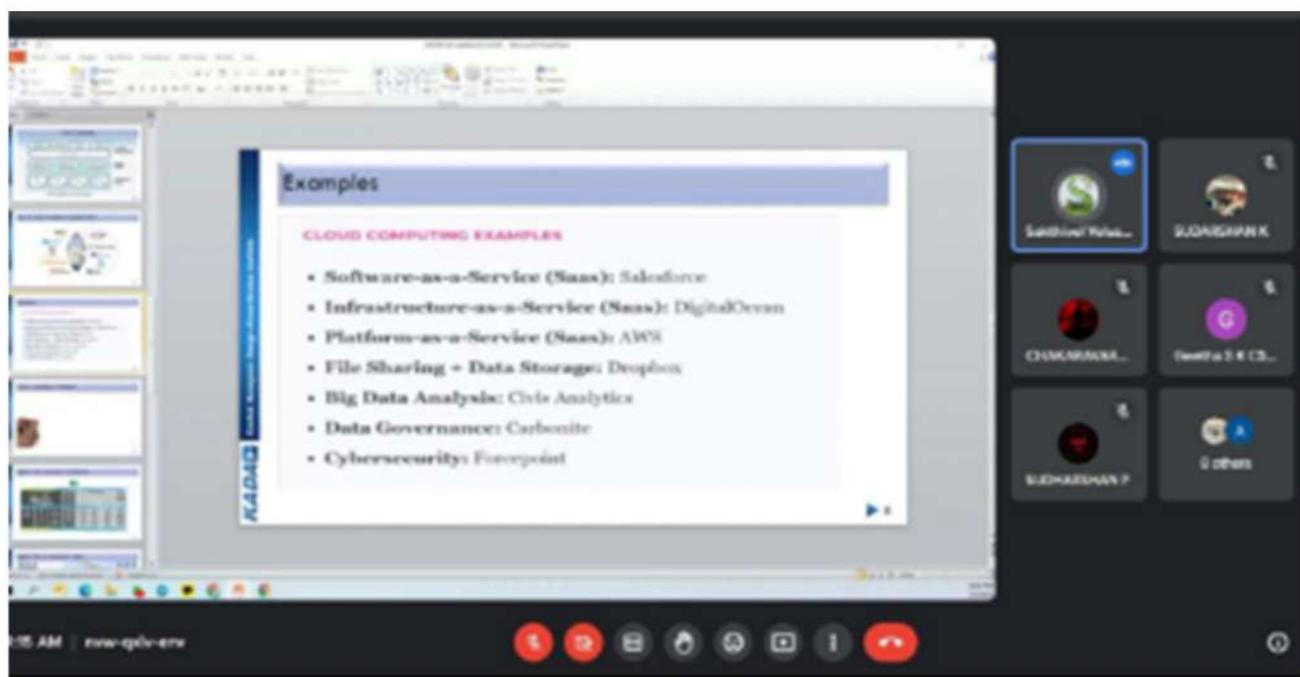


Mar  
2023

# EVENTS ORGANIZED

## 7. Cloud Computing & its Applications

It is organized for Second year Electrical and Electronics Engineering. The speech by the resource person was crisp and impactful of cloud. Totally above 60 students participated for this event. The event is conducted in the Second year EEE classroom itself. Generally Cloud computing evolved primarily from various computing technologies such as distributed systems and peripherals, virtualization, web 2.0, service orientation, and utility computing. From the industry point of view, while initial growth was slow, cloud services have grown significantly in the last ten years. Amazon, Google, Microsoft, and OpenStack had all launched cloud divisions by 2010. This aided in making cloud services more accessible to the general public. Cloud services have since taken over a large portion of the tech industry, and cloud transitions or migrations have become commonplace. Whereas he is working in aerospace design and told the concepts of designing related to the electrical department. How to use the cloud based on their background. Explained cloud servicing deployment models. The real-time application was discussed in the lecture. Discussed some topics about data centers. How data center was used in disaster recovery. How the cloud is used in online data storage like images, audio, and videos based on their application usage. In the industry, services are handled by cloud service providers like Microsoft Azure, IBM Cloud, etc. Types of cloud computing like private cloud, public cloud, and Hybrid cloud are in detail explained in various parameters and it can be real-time examples shown in the lecture. The background picture was shown the usage of cloud computing.



Mar  
2023

# EVENTS ORGANIZED

## 8. The Institution of Engineers - Students Chapter Inauguration

The Institution of Engineers (India) IEI has been recognized as a Scientific and Industrial Research Organization (SIRO) by the Ministry of Science & Technology, Govt. of India. Besides conducting research, it provides Grant-in-Aid to Engineering Institutes & Universities students. IEI issues membership certification to eligible engineers, technologists and scientists. This Institution also issues Professional Engineer certifications in various engineering disciplines. The State / Local Centre of IEI, spread across the country, organize technical activities and provide a platform for stakeholders, technocrats, policymakers and others to share their expertise to benefit the engineering fraternity. The Department of CSE is happy to inaugurate the IEI Students Chapter at KPRIET on 31st March 2023. The Chairman, Dr S Shanmugam, has inaugurated the chapter, and The Department HoD, Dr N.Yuvaraj, Welcomed the gathering. Then the office bearers were introduced by Mr D.Premkumar ( Sr.G ) / CSE – finally, a Vote of thanks by Ms Janani. The function ended with the national anthem.



Mar  
2023

# EVENTS ORGANIZED

## 9. Advancements in ML Algorithms for Real-Time Applications

Machine learning is being increasingly used in real-time applications to automate and optimize processes, improve decision-making, and provide personalized experiences to users. Some examples include Fraud detection: Machine learning algorithms can analyze financial transactions in real-time and flag any suspicious activity, allowing fraud to be detected and prevented. Predictive maintenance: Machine learning models can monitor equipment and predict when maintenance will be needed, helping to prevent downtime and reduce maintenance costs. Personalized recommendations: Machine learning algorithms can analyze a user's browsing and purchase history in real-time to make personalized recommendations, increasing engagement and sales. Autonomous vehicles: Machine learning models can analyze real-time data from sensors and cameras to control the movements of autonomous vehicles, ensuring safe and efficient driving. Healthcare: Machine learning can be used to analyze patient data in real-time to detect health risks, diagnose illnesses, and provide personalized treatment recommendations. Studying machine learning can help individuals develop critical thinking and problem-solving skills, as well as deepen their understanding of statistics, mathematics, and computer science. On the second day of the session we did a few hands-on sessions on real time capstone projects and updated our digital profile. Overall, machine learning in real-time applications is rapidly evolving and has the potential to revolutionize many industries by providing real-time insights and automating processes. On the second day session ended with little feedback and photography.



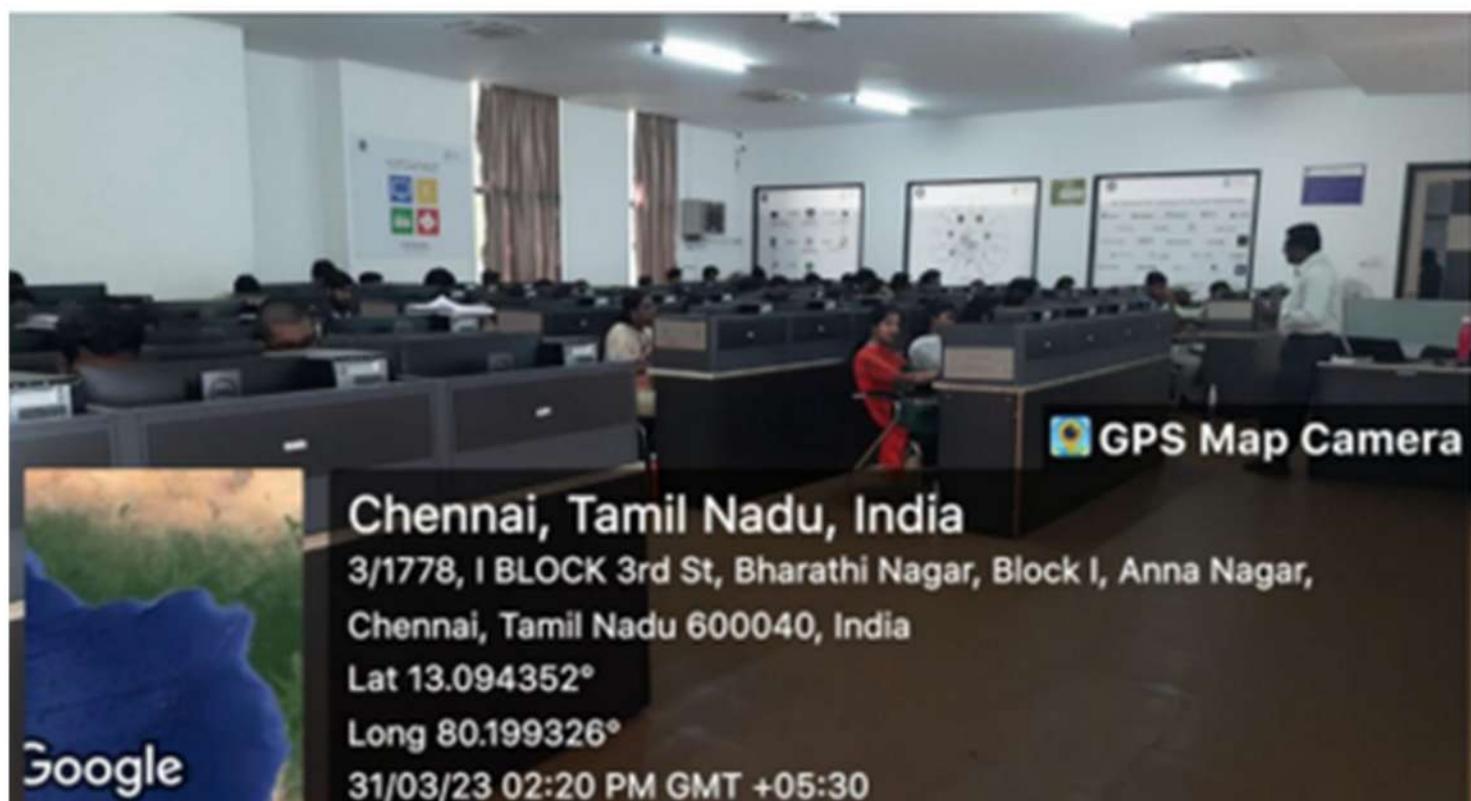
Mar  
2023

# EVENTS ORGANIZED

## 10. Foundations of DevOps and Github

The following concepts were discussed in the two-day session on DevOps and Github:

DevOps is a collaboration between Development and IT Operations to make software production and Deployment in automated & repeatable way. DevOps helps increase the organization's speed to deliver software applications and services A DevOps Engineer is a professional who combines software development and operations expertise in order to streamline the software delivery process. DevOps Engineers work to bridge the gap between development and operations teams, and are responsible for creating and implementing processes and tools that allow for continuous integration, testing, and deployment of software. The main goal of a DevOps Engineer is to facilitate collaboration and communication between development and operations teams, in order to deliver high-quality software products more efficiently and effectively. DevOps Engineers are also responsible for monitoring and maintaining the infrastructure that supports the software delivery process. Git is an open-source distributed version control system. Git is foundation of many services like GitHub and GitLab, but we can use Git without using any other Git services. Git can be used privately and publically.

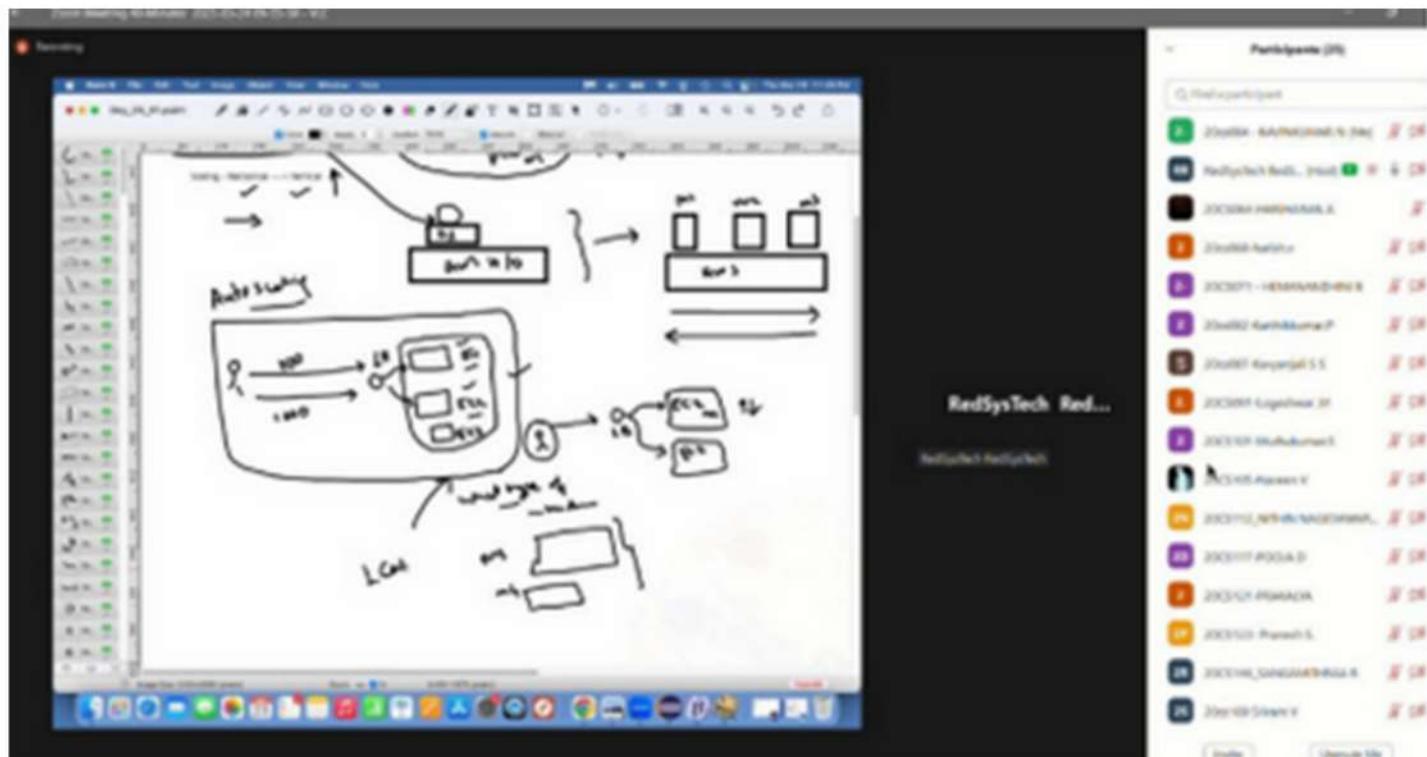


Mar  
2023

# EVENTS ORGANIZED

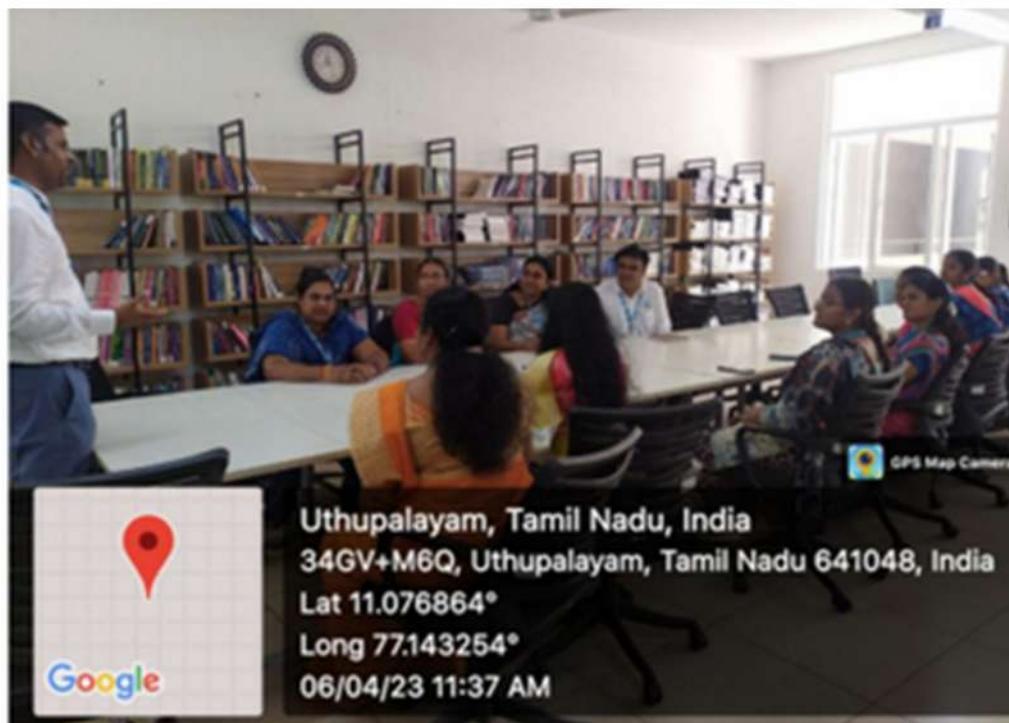
## 11. AWS Cloud Associate

The Department of Computer Science and Engineering at KPR Institute of Engineering and Technology organized a 12-days virtual internship program on AWS Cloud Associate, in collaboration with RedSysTech. The program was conducted by Mr. Pon Karthik, a Java Technical Cloud Architect from RedSysTech, and was coordinated by Prof. Kathiresan, Prof. Geetha, and Dr. Vidhya. The internship program aimed to provide participants with practical knowledge and hands-on experience on Amazon Web Services (AWS) Cloud technology. The program was designed for students and professionals who were interested in learning about AWS Cloud and its various services, such as EC2, S3, RDS, and DynamoDB. The program was conducted entirely online, and participants were provided with access to AWS Cloud Console to practice the concepts and services taught during the program. The internship program consisted of live demos, discussions, and practical sessions to provide participants with a comprehensive understanding of the AWS Cloud. Mr. Pon Karthik, the instructor, covered a wide range of topics during the program, including Cloud Computing and AWS, Elastic Compute Cloud (EC2), Simple Storage Service (S3), Relational Database Service (RDS), DynamoDB, and AWS Identity and Access Management (IAM). The internship program also covered practical sessions on how to deploy, manage, and monitor applications on AWS Cloud. The program received an overwhelming response from the participants, with a total of 50 students and professionals attending the program.



## 12. Fostering Growth Mindset in Students

On behalf of the department of CSE, Dr.Nisha Soms, welcomed the resource persons, Dr.Babu Rangarajan and Dr.Roja Rajamani, Clinical Psychologists, the pioneers in their field towards promoting and supporting good mental health and well-being. Dr. Babu Rangarajan, Started the session by questioning the need for this workshop and what type of challenges the members of the faculty face frequently. After further rounds of interaction, Dr. Babu Rangarajan highlighted that of the many challenges educators face, one of the most formidable and least obvious, is the student mindset. Teaching students to comprehend, absorb, and apply new material and concepts is challenging under many circumstances. The undertaking is much greater, when students doubt their ability to learn. Hence, to boost confidence in them, the teachers should create an energetic and enthusiastic learning environment. For this, every teacher needs to create a happy and meaningful environment by either conducting different styles of teaching or by simply organizing group activities to openly discuss and exchange their mindsets. In addition, Dr. Roja Ramani, pointed out various distractions that exist in today's generation. Hence, a teacher should be empathetic and emotional while talking to a student and should never be judgmental, says Dr. Roja Ramani. Dr. Babu Rangarajan, adds that, in the classroom, the teachers should strictly maintain professional behaviors and should be open to students' suggestions or doubts which would motivate him in the fact that he is being listened to or appreciated for his/her efforts. The session ended with vote of thanks by Dr. Nisha Soms.



Apr  
2023

# EVENTS ORGANIZED

21

Dr. R H Aswathy, Assistant Professor, (SI. G)/ CSE, KPRIET, gave a lecture titled Artificial Intelligence to the CSE students of RVS College of Engineering and Technology, Coimbatore. Dr. P Suresh, Associate Professor/ CSE, KPRIET, gave a lecture titled Operating Systems to the CSE students of RVS College of Engineering and Technology, Coimbatore.



# STUDENTS ACHIEVEMENT

II CSE Students own first prize of cash Rs.4500 in the AIML hackathon conducted by Bannari Amman Institute of Technology, Erode on 11-02-2023.



Mr. Aravind R M, III CSE, won the first prize in the “TECHFEST’23” conducted by team CDC and Evoriea Group on 15-02-2023.





# STUDENTS ACHIEVEMENT

Mr. Krishnaganth and his team won third prize in the COVAI TIES(inter college tournament) held at CIT, Coimbatore on 27th and 28th of Feb 2023.



Mr. Krishnaganth and his team secured 2nd place in the zonal level inter college tournament held at Erode Sengunthar Engineering College, Erode on 15th Feb 2023.



# STUDENTS ACHIEVEMENT

Ms. Harini S and Jothsa M G of II CSE B won the first prize in an application development event conducted by Kalaignar Karunanidhi Institute of Technology, Coimbatore on 24-03-2023.



Ms. Kirithika of II CSE B secured second place in the PAPER PRESENTATION event which was conducted by Coimbatore Institute of Technology (CIT) the Celestra 2k23 National Level Technical Symposium organized by the Department of Information Technology, Coimbatore on 20-03-2023



# STUDENTS ACHIEVEMENT

Ms. Harini M and Ms. Jeevitha U of II CSE B winning the first prize in Code Debugging in the events conducted by RVS College of Engineering and Technology, Coimbatore on 17th March, 2023.



Ms. Jothsna M G won the second prize in Code Debugging in the events conducted by RVS College of Engineering and Technology, Coimbatore on 17th March, 2023.

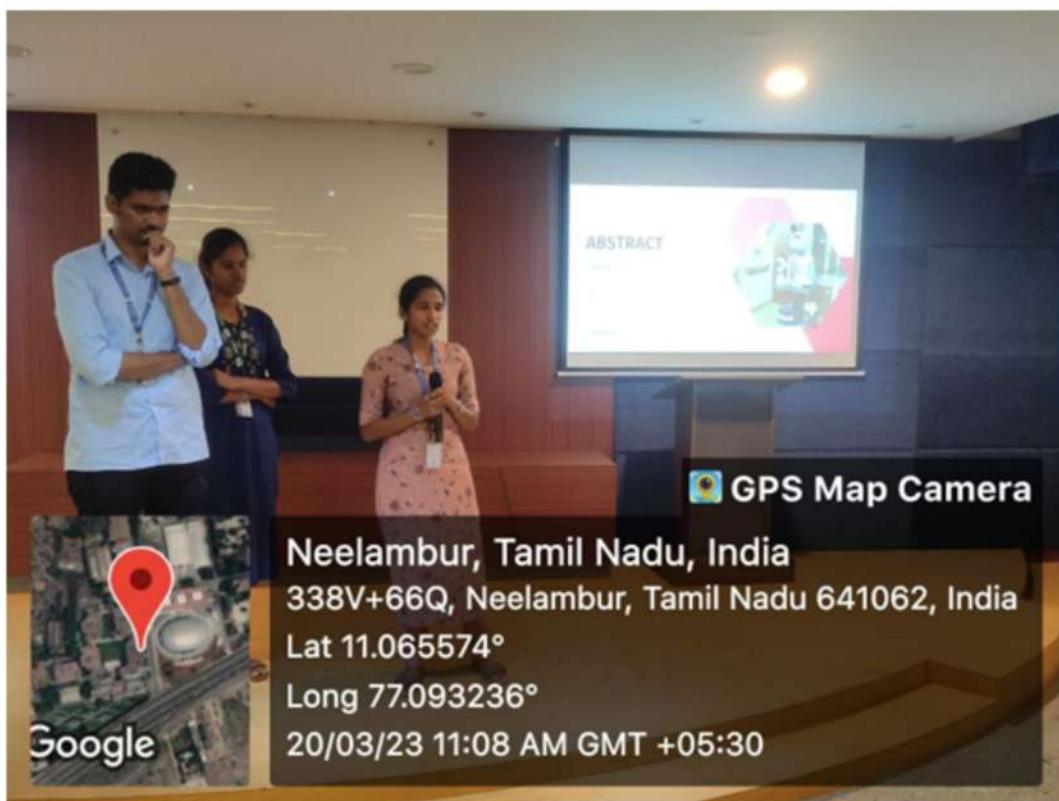


# STUDENTS ACHIEVEMENT

Ms. Mayurapriya S P from III CSE B at KPR Institute of Engineering and Technology for winning 3rd place in the poster design contest conducted by KIT Coimbatore.



Mr. Gokul, Ms. Bhuvani Sankari, and Ms. Gayathiri on winning the third prize in the paper presentation competition at PSG iTech Coimbatore.



# STUDENTS ACHIEVEMENT

Mr. Surya D and Ms.Yuvanidhi S of II CSE securing an internship at ABB Global Industries and Services Bangalore with the stipend of Rs. 30,000.

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## CONGRATULATIONS

 Mr. SURYA D II CSE - D	<b>For getting Intern in</b>  ABB Global Industries and services Bangalore  <b>Domain :</b> Augmented reality (AR) and Virtual Reality (VR)	<b>Stipend</b> INR 30,000 / Month
<b>About ABB:</b> <ul style="list-style-type: none"> <li>• ABB is a technology leader in electrification and automation, enabling a more sustainable and resource-efficient future.</li> <li>• The company's solutions connect engineering know-how and software to optimize how things are manufactured, moved, powered and operated.</li> <li>• Building on more than 130 years of excellence, ABB's 105,000 employees are committed to driving innovations that accelerate industrial transformation.</li> </ul>		

**G20**

kpriet.ac.in [/KPRIETonline](#)

Mr. Ajeshbose JS, of III Year CSE, KPR Institute of Engineering and Technology, for lifting 190kg and winning 2nd place in the Open State Dead Lift Competition by All Sports Association and Sports Trust.



# STUDENTS ACHIEVEMENT

Mr. Jeyan S, III CSE B, won second place in the coding premier league at Yugam'23 south India's mega techno-cultural sports fest.



Guru Prasath M emerged as the winner in the Paper Presentation competition organized by PSG Institution.



# STUDENTS ACHIEVEMENT

Selvavishnu, III Year CSE received the best defender award and secured 3rd place in the Inter Engineering College Open State Handball match conducted by Sri Shakthi Institute of Engineering & Technology.



## *Annual Day 2022-2023*

Overall Best Outgoing Student of the year – Ms. S. Lekshmi Priya – IV CS



# STUDENTS ACHIEVEMENT

Best Outgoing Student of the year – Mr. T Aravind – IV CS



Academic Toppers of – CSE



# STUDENTS ACHIEVEMENT

Intel one API hackathon with \$350 – 1st prize Mr. Ahmed Thaiyub, II CSE A



Intel one API hackathon with \$300 – 2nd Prize Mr. R. Jeyasundar, II CSE B and Mr. R. Pranesh, II CSE C



# STUDENTS ACHIEVEMENT

Intel one API hackathon - Special mention for active participation with \$50 Mr. Gokulaprasath, II CSE A and Ms. Harini II CSE B



Mr. P. Hemanth II CS, for successfully passing the international certification of A1 German Language.





# RESEARCH AND DEVELOPMENT

## *Faculty Publications*

1. K. Sita Kumari, S.L. Abdul Haleem, G. Shivaprakash, M. Saravanan, B. Arunsundar, Thandava Krishna Sai Pandraju, Agriculture monitoring system based on internet of things by deep learning feature fusion with classification, Computers and Electrical Engineering, Volume 102, 2022, 108197, ISSN 0045-7906.
2. K. Sellamuthu and V. K. Kaliappan, "Q-learning-based pesticide contamination prediction in vegetables and fruits," Computer Systems Science and Engineering, vol. 45, no.1, pp. 715–736, 2023.
3. Vijayaganth V, Krishnamoorthi M, Soft computing-based ensemble learning model for multi-disease classification of plant leaves, JOURNAL OF EXPERIMENTAL & THEORETICAL ARTIFICIAL INTELLIGENCE, Vol.34, Issue No. 4, August 2022.
4. Sathya D., Primya T., Vinothini S., Priya J., Jagadeesan D, Smart health system using stacking ensemble classification algorithm. International Journal on Information Technologies and Security, No. 3 (vol. 14), 2022, pp. 67-78.
5. N.Krishnamoorthy, Dr.S.Suresh, D.Mohanapriyam, Dr.Arpana Prasad, Dr.R.Krishnamoorthy, Dr.R.Thiagarajan, Utilisation of Deep Learning to Exploit Locust Outbreaks in Agricultural Harvesting, NeuroQuantology, Vol.20, Issue No.10, page No. 5035-5042, 2022, ISSN No :1303-5150.
6. Balakrishnan, K., Dhanalakshmi, R., Akila, M. et al. Improved equilibrium optimization based on Levy flight approach for feature selection. Evolving Systems (2022).
7. Sekaran, R. & Akila, M. & Yuvaraj, N.. (2022). Transmitter Half Distribution Angle Optimization in Non-Line of Sight Visible Light Communication. Journal of Nano electronics and Optoelectronics.
8. S. Srithar, G. Ramesh Kalyan, S. Karthic, M. Naveenkumar, P. Arulprakash and E. Vetrimani, "Cost-Effective Distributed Booster Load Balancer in Amazon Cloud Environment," 2022 7th International Conference on Communication and Electronics Systems (ICCES), 2022, pp. 613-619, doi: 10.1109/ICCES54183.2022.9835842.