



Learn Beyond

**KPR Institute of
Engineering and
Technology**

(Autonomous, NAAC "A")



**Department of
Computer Science and Engineering**

Accredited by NBA | Permanently Affiliated to Anna
University - Chennai

FUTURISTIX

ACADEMIC YEAR 2024-2025

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ABOUT THE DEPARTMENT

The Department had a humble beginning, starting with an intake of 60 students in the undergraduate program in Computer Science and Engineering (B.E.) in 2010. The postgraduate program in Computer Science and Engineering (M.E.) was introduced in 2014, initially admitting 18 students. Today, the Department caters to the needs of 720 students. It has been accredited by NBA and recognized as a Research Centre by Anna University, Chennai

In our department, we have 47 highly qualified and dedicated faculty members committed to the upliftment of the student community. The curriculum and syllabus are revised every six months based on feedback from alumni and industry experts. This ensures that the students meet industry expectations for their careers and development. The syllabus, embedded with GATE curriculum, encourages students to clear competitive exams like UPSC (IAS) and GATE. The Department boasts state-of-the-art infrastructure, including laboratories, classrooms, and a seminar hall. It is actively expanding its reach from national to international levels through innovative teaching practices and industry/academic collaborations. Special labs for Mobile App Development, Data Science, Machine Learning, Augmented Reality and Virtual Reality, and Networks and Intelligent Computing have been established to help students excel in an industrial environment. The Department has signed MoUs with and REDHAT, establishing Centers of Excellence. These partnerships provide students with opportunities for international certification courses like RHCSA, BLOCKCHAIN, ORACLE, AI & Machine Learning from Xebia University, and C-DAC CLOUD. To further equip students, the department offers value-added courses in Data Science and Big Data Analytics by Dell EMC2, Oracle, Blockchain, and Java. Beyond academics, the college provides a platform for students to showcase their unique talents through various non-technical clubs like Dance, Humor, Music, Food Photography, Art & Craft, and an Internet Radio Club. Liberal arts courses such as roof gardening and two-wheeler maintenance are also offered by various departments, open to all students.

VISION OF THE DEPARTMENT

To be a premier centre for education, dissemination of knowledge and research in the frontier areas of computer science and engineering to serve the community with moral values.

MISSION OF THE DEPARTMENT

- **Provide holistic education incorporating the state-of-the-art technologies to produce successful professionals.**
- **Facilitate the students to pursue higher education and research in the areas related to Computer Science and Engineering.**
- **Promote strong collaborations with the industries and steer the students to nurture their interest in continuous learning to meet the changing needs of the society.**

LEADING WITH VISION

From the HOD's Desk

It is with great pride that I present this edition of Futuristix, the newsletter of the Computer Science Department at KPR Institute of Engineering and Technology. This publication offers a glimpse into the vibrant array of initiatives and accomplishments by our students and faculty.

As the realm of Computer Science rapidly evolves, our department remains steadfast in its mission to empower students with the skills and mindset needed to navigate and lead in this dynamic landscape. This issue showcases a blend of pioneering research, community outreach, and collaborative projects that reflect our commitment to innovation and excellence.

I urge our students to stay inquisitive, embrace emerging challenges, and actively contribute to the transformative journey of technology. My heartfelt thanks go to the editorial team for their dedication and hard work in curating this inspiring edition.



Dr. Devi Priya R
Professor & Head

FACULTY ACHIEVEMENTS

Faculty Publications

Sr.No.	TITLE OF PAPER	AUTHORS	MONTH	INDEXING SCOPUS/SCI /Conference Publication
1	An Optimized Routing Scheme in SDN-Based IoT Using the Lion Optimization Algorithm	M. Jayaprakash, R. Devi Priya.	October 2024	SCIE
2	Identification of Monkeypox Disease Based on MpoxNet and Swin Transformer Models Using Mobile Application	S. Sadesh, Rajasekaran Thangaraj, P. Pandiyan, R. Devi Priya, Palanichamy Naveen	Nov 2024	SCIE

3	Analysis on Mechanical Behavior of Additively Manufactured PLA/Eggshell Composites Using Machine	Nisha Soms, Ravi Kumar, K. Gunasekar, N	December 2024	SCIE
4	Neural Network Aided Extended Kalman Filter for Fault Detection and Isolation in Nonlinear Control System	Vishnu Kumar Kaliappan, Sundharamurthy Gnanamurthy, Sakthivel Velusamy, Dhanasekaran Pachiyannan, Dharani Jaganathan	December 2024	SCOPUS
5	Cluster Analysis for Assisted Healthcare Approval in Pervasive Social Networks	Vishnu Kumar Kaliappan, S.Vinoth Kumar, Dharani Jaganathan, S.Ilavarasi, Dhanasekaran Pachiyannan	December 2024	SCOPUS

Sr.No.	TITLE OF PAPER	AUTHORS	MONTH	INDEXING SCOPUS/SCI /Conference Publication
6	Security and Power Consumption for Data Availability in Personalized Internet of Things with Cloud-based User Healthcare Applications	Sakthivel Velusamy, Vishnu Kumar Kaliappan , Hemawathi Somasundaram, S.Ilavarasi, Dharani Jaganathan	December 2024	SCOPUS
7	Identification of Black Gram Plant Leaf Diseases using Deep Learning Models	R Thangaraj, B Vadivel, S Sadesh, S Manoj Kumar	Nov 2024	SCOPUS

PROPOSAL GRANTED

Turning Ideas into Actions

S.No	Title of the project/ Program	PI Details Co-PI Details	Funding agency	Amount	Status and Date of grant applied	Date of grant received
1	Wildguard: NextGen Wildlife Repellent System	Dr. R Devi Priya	EDII-IVP	80,000	Recieved	Dec 2024
2	Aqua Scan Cleaner:Autonomous NextGen Robot for Object detection and deep cleaning under water.	Dr. R Devi Priya Ms.S.Sathya	KPRIET Seed Money	1,02,300	-	Approved and Proposal raised to buy component
3	Integrating MRI with AI: personalized medicine in neurology	Dr.Kandasamy Sellamuthu Mr.M.Naveenkuar	ICMR	66,000	Recieved 10.01.2025	-

FACULTY CONFERENCE DETAILS

S.No	Title of the paper	Name of the Authors & Affiliation as per the order in paper	Conference Date	Indexed In Scopus/ WoS	Month of Publication
1	CovidXDetector: Deep learning based chest abnormality detection for covid radiography diagnosis	Arun Pandian Rathinakumar; N. Yuvaraj; D. Premkumar ; Anjana George Joseph; A. Feroz Khan; K. R. Sri Preethaa	1-2 December 2023	Scopus	November 2024
2	Pioneering Skin Cancer Prediction with Deep Learning Techniques	Premkumar Duraisamy , Niranjani, V, Nandhini , S.Karthik, S.	April 2024	Scopus	November 2024
3	Hybrid Intelligent System for Improved Decision Support in Customer Churn Prediction for a Telecommunication Company	R.Jaya, Nisha Soms , Lydia D. Isaac & S. Sathiya Priya	06-07 December 2023	Scopus	December 2024
4	Deep Learning-Based Anomaly Detection for Early Cancer Detection in CT Scans	David S, V. Mohanraj, Nisha Soms J. Jeba Emilyn	06-07 December 2023	Scopus	December 2024
5	Deep Learning Model for Human Detection-Enhanced YOLO Comparative Analysis	Suresh P; Aswathy R H; Nisha Soms ; V. Niranjani	15-17 October 2024	Scopus	December 2024

FACULTY CONFERENCE DETAILS

S.No	Title of the paper	Name of the Authors & Affiliation as per the order in paper	Conference Date	Indexed In Scopus/ WoS	Month of Publication
6	Enhanced Audio-Visual Speech Enhancement via Attention-based Sparse Graph Convolutional Neural Networks with Fire Hawk Optimization	Dheeraj Hebri Rakesh Kumar Joon Mohan M P S Ramaprabha Venkata Satish Dhulipudi Jonnadula Narasimharao	04-06 December 2024	Scopus	-
7	An Effective Stroke Prediction Based on Cat Boost with Few Short Compound Activity	Rana Veer Samara Sihman Brahmatej Rupavath Ramy R. Hussein Mohan M Vasanthakumar G U S. Subburam	22-23 November 2024	Scopus	-
8	Resnet Models for Brain Tumor segmentation	Naveenkumar M	March 2024	Scopus	Oct 2024

PUBLICATION IN BOOK CHAPTER

S.No	Title of the paper	Name of the Authors & Affiliation as per the order in paper	Month & Year of Publication	Indexed In Scopus/ WoS
1	Machine Learning with Supervised Quantum Models	Nisha Soms , David Samuel Azariya, Savitha Selvi Jagathiswaramoorthi, Mohanraj Vijayakumar	October 2024	Scopus
2	Safety and security challenges in implementing urban air mobility	Rathinasamy, D., Sivaramakrishnan , R., Pavithra, R., Kaliappan, V.K.	October 2024	Scopus
3	Toward future transportation: History, adoption, research, and development, challenges in urban aerial mobility	Sivaramakrishnan , R., Rathinasamy, D., Budiyo, A., Dugki, M.	October 2024	Scopus
4	Urban Guardians Empowering Communities for Sustainable City Management using Quantum Computing	Kiruthika JK , Yawanikha T, Jeevan M, Hariprasath M, Aisvarya P, Chitra Shanmugam	October 2024	Scopus
5	Fundamentals of Quantum Machines	Soham S. Bhoir, Harshal H. Dave, Devi Priya R	October 2024	Scopus
6	Reinforcement Learning Approaches for Urban Air Mobility/Navigation and Traffic Control Systems	Sango Woo Jeon, J. Dharani, Min Dugki, and Vishnu Kumar Kaliappan	October 2024	Scopus

PUBLICATION IN BOOK CHAPTER

S.No	Title of the paper	Name of the Authors & Affiliation as per the order in paper	Month & Year of Publication	Indexed In Scopus/ WoS
7	Safety and Security Challenges in Implementing Urban Air Mobility	Dhivya Rathinasamy, R. Sivaramakrishnan, R. Pavithra, and Vishnu Kumar Kaliappan	October 2024	Scopus
8	Urban aerial mobility concepts, modeling, and challenges: A review	Premkumar Duraisamy .,Natarajan, Y., Sri Preethaa, K.R.	October 2024	Scopus
9	Bi-Staged Attendance Automation System with Face and Voice Detection Using Viola-Jones Recognition Algorithm	R. Devi Priya , P. Kirupa, T. Rajasekaran & S. Manoj Kumar	November 2024	Scopus
10	A Contemporary Survey on the Effectiveness of Machine Learning for Detection and Classification of Cyber Attacks in IoT Systems	P. Suresh, P. Keerthika, Manjula Devi R. , S. Maheswaran, Kishor Kumar Sadasivuni, N. Anusha, Shreeya Sanjeev Gokhale	Oct 2024	Scopus

GATHERINGS THAT INSPIRE!

Our Events Organized BRAIN TEASE BATTLE

Summary:

05.10.2024

Event Overview:

The "Brain Tease Battle" was a competitive, team-based event focused on logical aptitude. Participants engaged in a series of challenging puzzles and problem-solving activities designed to test their reasoning abilities, critical thinking, and cognitive flexibility. The event was held in a timed format, with teams competing to solve the maximum number of brainteasers within the given timeframe.

Key Objectives:

- Assess participants' logical thinking, pattern recognition, and problem-solving skills.
- Encourage teamwork and collaborative problem-solving.
- Promote mental agility and strategic thinking under pressure.



ADDRESSING CYBER THREATS AND DEFENSE STRATEGIES IN CYBER-PHYSICAL SYSTEMS

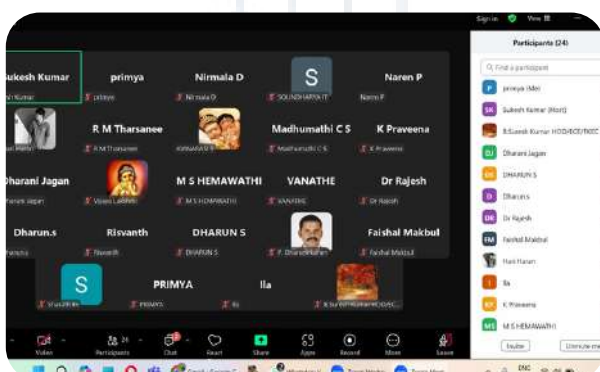
Summary:

14.10.2024

Participants gain a deeper understanding of the unique vulnerabilities of Cyber-Physical Systems (CPS) such as industrial control systems, autonomous vehicles, smart grids, and healthcare systems.

Discussion on defense strategies, including firewalls, encryption techniques, intrusion detection systems, anomaly detection, and multi-layered security architectures.

Review of current policies and regulations on cybersecurity for CPS.



24 HOURS HACKATHON-ETHICAL HACKHIVE

Summary:

18.10.2024

Participants often gain hands-on experience in coding, problem-solving, and working with new technologies or tools they may not have used before.

Working in teams enhances communication, leadership, and collaborative skills, which are essential in a real-world setting.

Completing tasks under pressure in a limited timeframe hones time management and prioritization skills.

- Students often come up with creative solutions to real-world problems during a hackathon. These innovative ideas can lead to potential future projects, startups, or contributions to open-source communities.
- Hackathons can foster out-of-the-box thinking, as participants brainstorm unique ways to tackle challenges.
- Collaborating with industry professionals from Hackup Technology can give students insight into current trends and expectations in the tech industry.



CODE CRAFT

Summary:

19.10.2024

The Java coding contest held on October 19, 2024, for II CSE students was a highly competitive and engaging event designed to test participants' coding skills and problem-solving abilities. The competition saw active participation from over 50 students each tasked with solving a set of complex Java programming problems within a fixed time frame of 2 hours.

The problems ranged from algorithmic challenges to real-world applications of Java, testing students' grasp of data structures, object-oriented programming, and efficient coding practices.

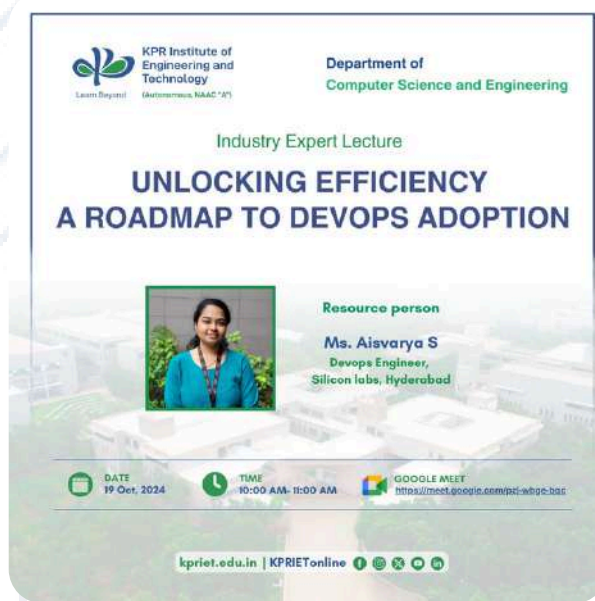


UNLOCKING EFFICIENCY: A ROADMAP TO DEVOPS ADOPTION

Summary:

19.10.2024

Aisvarya has given a informative session on Devops. She very well narrated the usage of tools and shown demo of the tools like Maven, Jenkins, Ansible and how the tools are installed and configured. She also gave inputs on how and where to kick start Devops. Opportunities available in IT industry.



ALUMNI TALK III

Summary:

19.10.2024

The "Alumni Talk-III" event at KPRIET, featuring Mr. Hariharan M, Founder/CEO of Velan Innovative Projects, provided valuable insights to the first-year CSE B students. His talk, titled "From Freshman to an Engineer: A Blueprint for Success," offered practical guidance on navigating the transition from student life to a professional engineering career. Mr. Hariharan, a 2020-2024 batch alumnus, shared his personal journey and the skills that contributed to his entrepreneurial success. The engaging session motivated students to focus on continuous learning, innovation, and proactive career planning. The event was well-received, leaving attendees inspired for their academic and professional futures.



RISE & THRIVE – LINKING IDEAS AND BUILDING BRIGHT FUTURE

Summary:

19.10.2024

The Department of Computer Science and Engineering, in association with the CSE Department Association – Gen Niral and IEEE Computer Society, successfully organized a team-building activity titled "Rise & Thrive – Linking Ideas, Building a Bright Future" for the I Year CSE students (A & B) on 19th October 2024 at Ragam Hall. The event, held from 1:30 pm to 4:00 pm, aimed to foster collaboration, communication, and problem-solving skills among students. Participants were grouped into teams and engaged in activities that challenged their creativity, teamwork, and leadership abilities. The event saw enthusiastic participation, with students contributing fresh ideas and collaborating effectively to complete tasks. Through this activity, students gained a deeper understanding of the importance of teamwork in achieving common goals, which is crucial for their academic and professional growth. The event concluded with positive feedback from the students, who appreciated the opportunity to bond and learn in a fun, interactive setting.



FLAME SESSION 3

Summary:

25.10.2024

The two-hour session was structured to provide attendees with the opportunity to interact directly with leading experts in automotive and manufacturing engineering. Participants gained hands-on knowledge about EV design and innovative approaches in engineering, as well as practical insights on how to foster creativity and problem-solving skills in their work.



APP DEVELOPMENT USING FLUTTER

Summary:

26.10.2024

The Event has enhances the students potential in mobile application development using the advanced industrial framework Flutter.



INAUGURATION CEREMONY OF CODERS CADE AND APP STUDIO CLUBS

Summary:

26.10.2024

The newly initiated clubs will act to improve the students coding skills and application development skills.



DIGITAL HUMANITIES

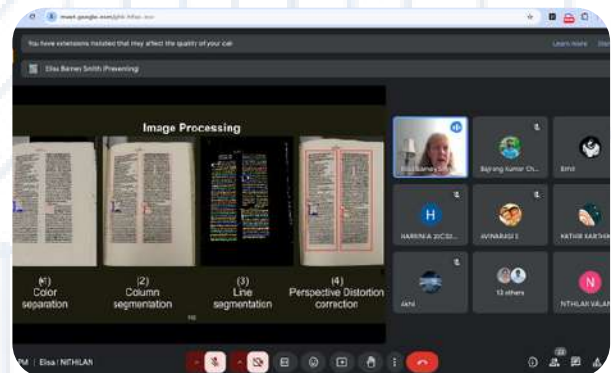
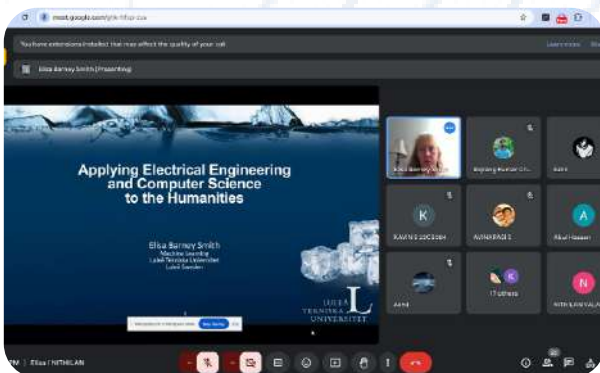
Summary:

30.10.2024

The event aimed to explore the intersection of digital technology and humanities, focusing on new methods, tools and innovations in the study of history, literature, linguistics and cultural studies.

Key objectives included:

- Promoting interdisciplinary collaboration between technology and humanities.
- Discussing digital tools and methodologies for humanities research.
- Examining case studies where technology enhances cultural understanding.
- Digital Text Analysis: Participants learned about text mining, natural language processing, and data visualization



APP STUDIO LOGO CONTEST

Summary:

07.11.2024 - 15.11.2024

- Develop Technical Skills: Allow students to apply the knowledge and skills they have gained in logo design using different tools.
- Promote Innovation: Inspire innovative ideas by challenging students to think outside the box while aligning with the theme of the app studio.
- Improve Design Thinking: Foster design thinking and problem-solving by creating logos that visually represent the app studio's identity.
- Encourage Teamwork (Optional): Provide an opportunity for students to collaborate, if working in teams is allowed.
- Boost Confidence: Build students' confidence by enabling them to present their designs to peers or judges.
- Recognize Talent: Identify and reward outstanding talent among the participants.



HER RISE SUMMIT: EMPOWERING THE NEXT GENERATION

Summary:

14.11.2024

The "Her Rise Summit: Empowering the Next Generation" program is a panel discussion in which four guests of honor from various fields were invited to discuss issues. The four guests comprised a social worker from an NGO, an entrepreneur, a doctor, and an engineer. They shared their life journeys in a glimpse and presented many key takeaways for today's generation. Every matter discussed was an eye-opener for all in the gathering that aids them to learn from mistakes and start a new self on their own. The power of the women accompanied by shareable stories of their efforts and struggles was quite exquisite which added to the aura of this event.



FROM BLOCKCHAIN FUNDAMENTALS TO HYPERLEDGER DAPPS:A COMPREHENSIVE GUIDE

Summary:

18.11.2024

The guest lecture, presented by Mr. Padmavyuk, successfully provided an in-depth understanding of blockchain technology, covering both its foundational concepts and the practical implementation of Hyperledger DApps. Participants gained insights into the working mechanisms of distributed ledgers, consensus algorithms, and the role of Hyperledger in enterprise blockchain applications. The session also facilitated active discussions and increased awareness of blockchain's potential in secure, decentralized applications. The session also empowered participants with the knowledge to explore enterprise-level blockchain solutions and fostered engaging discussions on real-world applications.



DHR-ICMR SPONSORED NATIONAL LEVEL WORKSHOP ON "UTILIZING AI FOR METAGENOMICS: INSIGHTS INTO MICROBIOME DATA ANALYSIS"

Summary:

28.11.2024

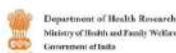
Objectives of the Event

The primary goals of the event were:

- To highlight the latest developments in metagenomics research.
- To foster collaboration among medical and research professionals in India and globally.
- To promote awareness and the importance of metagenomics in disease diagnostics, environmental studies, and public health.
- To provide insights into new tools, techniques, and challenges in the field of metagenomics.

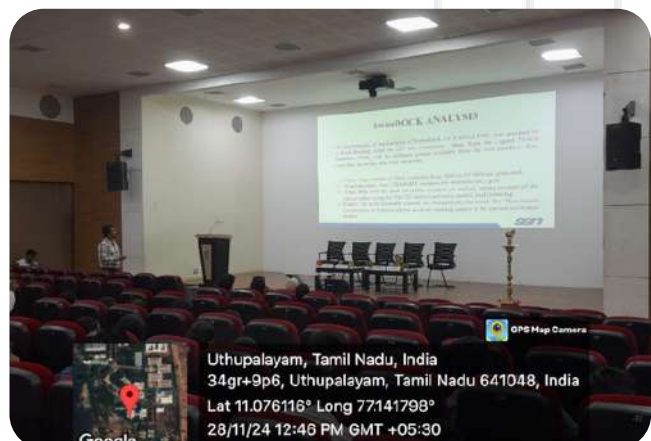
Key Takeaways

- **Metagenomics in Clinical Medicine:** Understanding the role of metagenomics in diagnosing infectious diseases and identifying microbial diversity in patients.
- **Advances in Sequencing Technologies:** The latest innovations in high-throughput sequencing technologies, including next-generation sequencing (NGS) platforms, and their impact on research.
- **Data Analysis and Challenges:** Addressing the challenges in metagenomic data interpretation, including the need for standardized databases and tools.
- **Collaborative Opportunities:** The importance of cross-disciplinary collaborations to drive innovation and solve public health challenges.



Research Capacity Strengthening
(RCS)

Dr. Ginu Suhail Khan
Scientist-C
Division of Human Resource Development
DHR-ICMR



ETHICAL INVESTING :FOUNDATION OF STOCK MARKET & ANALYSIS

Summary:

29.11.2024

Understanding of ESG Compliance: Insights into how companies integrate ESG principles and how investors can use them for decision-making.

- **Real-World Case Studies:** Analysis of companies leading in ethical investing and sustainable business practices.
- **Tools and Techniques for Ethical Investment Decisions:** Exposure to stock screening tools and AI-based financial analysis for responsible investing.



AADHAR UPDATE E-SERVICES

Summary:

30.11.2024

Facilitated access to Aadhaar services for individuals, especially those in remote areas or those less familiar with digital platforms. Saved individuals from the need to travel to Aadhaar centers, reducing associated expenses and waiting times



CULTIVATING A GROWTH MINDSET: EXCELLING IN THE COMPETITIVE IT LANDSCAPE

Summary:

Nov 2024

The expert talk by Ms. Hema Nandhini B provided students with practical insights into cultivating a growth mindset for success in the competitive IT industry. It enhanced their understanding of career development strategies in the field of DevOps. Students gained insights into overcoming challenges and staying adaptable in the evolving tech landscape. The session motivated them to cultivate skills and resilience for long-term success in their careers.



A PEER LEARNING SESSION ON PIONEERING THE FUTURE WITH AR/VR

Summary:

19.12.2024

The session successfully introduced students to AR/VR concepts and highlighted career opportunities

1. Introduction to AR/VR concepts,
2. Current AR/VR applications in various industries,
3. Career paths in AR/VR development, and
4. Ethical considerations of AR/VR.



FROM RESEARCH TO PUBLICATION :NAVIGATING THE JOURNAL SELECTION PROCESS

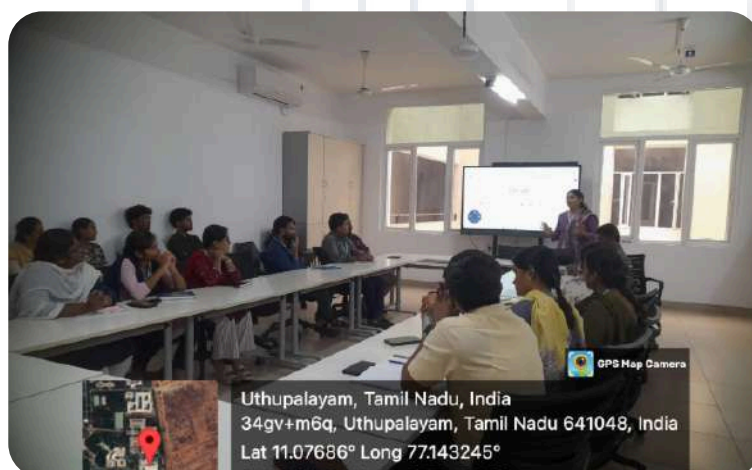
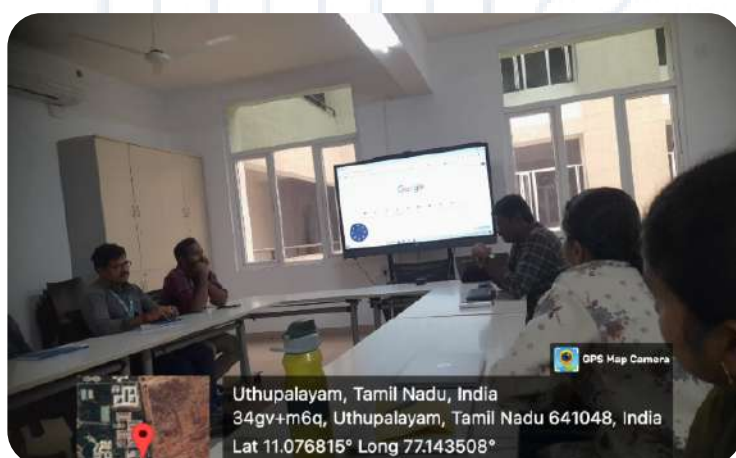
Summary:

04.12.2024

Our CSE department organized an event "From Research to Publication: Navigating the Journal Selection Process" on December 4, 2024, in the CSE Boardroom to guide researchers, especially early-career ones, on the intricacies of selecting suitable journals for their research work. Faculty and postgraduate students actively participated in the session.

Dr. Maheswar R, Head of CFRD, was the chief guest. He addressed fundamental concerns and clarified doubts related to journal selection and publication. Dr. Maheswar R explained the process of journal selection and highlighted useful websites for exploring journals and their impact factors.

The professor also provided a brief overview of key aspects such as time-to-publication, peer-review processes, plagiarism, data integrity, and ethical guidelines. Additionally, he cautioned participants about common pitfalls like self-citations.



TWO DAYS INDUSTRY-LED SKILL DEVELOPMENT PROGRAM ON AI IN HEALTHCARE: INNOVATIVE CASE STUDIES AND BEST PRACTICES

Summary:

20.12.2024 & 21.12.2024

The two-day Skill Development Program successfully achieved its objective of empowering faculty members and researchers with the essential knowledge and skills to seamlessly integrate Artificial Intelligence (AI) into healthcare education and practice. The program provided a comprehensive understanding of AI basics and their applications in the healthcare sector. Mr. Akshay presented an in-depth analysis of various case studies, highlighting the best practices of AI adoption in US-based healthcare organizations. Mr. Kamaleswaran offered valuable insights into the skills required to design, develop, and implement AI-driven solutions in healthcare research, bridging the gap between theory and practice. The two-day event facilitated collaboration and networking among the participants and esteemed resource persons, laying the groundwork for future research collaborations and start-up initiatives. By fostering a community of like-minded individuals, the program paved the way for innovative applications of AI in healthcare, driving progress and improvement in the field.



EMBEDDED C EXCELLENCE ARDUINO APPLICATIONS

Summary:

22-11-2024

The primary objective of the session was to introduce students to the fundamentals and practical applications of Embedded C programming using Arduino, bridging the gap between theoretical concepts and real-world embedded system development. The event focused on strengthening students' understanding of microcontrollers, embedded programming logic, and hardware-software integration, which are crucial skills in today's technology-driven industry. The guest lecture began with an overview of embedded systems, their role in modern applications, and the importance of Arduino as a prototyping platform. The resource person explained the architecture of Arduino boards, basics of Embedded C programming, and the development environment used for coding and testing. Students were guided through the structure of Embedded C programs, including I/O handling, control statements, and interaction with hardware components such as sensors and actuators.

ESSENTIAL SKILLS FOR JOB PLACEMENTS

Summary:

05-10-2024

The Department of Computer Science and Engineering organized Alumni Lecture Series II titled "Essential Skills for Job Placements" by Ms. Kavipriya Krishnamoorthy (Batch 2022). The session helped CSE students understand the trending technologies, required skill sets, and effective preparation strategies for placements, motivating them to improve their technical and professional skills for better career opportunities.



DATA HARMONY COLLECTIONS VIA REST API INTERFACE

Summary:

01-10-2024

The Department of Computer Science, in association with the Department of Branding, organized a Guest Lecture titled "Data Harmony Collections via REST API Interface" on 01.10.2024 from 11:30 AM to 01:00 PM at Gitam Hall in On-Campus mode. The program was conducted at the Department level for students and covered two subject hours, with the participation of 55 internal students. The session focused on concepts related to data integration and the use of REST API interfaces for efficient data collection and management. The event enhanced students' understanding of practical data handling techniques and modern application interfaces, aligning with SDG 4: Quality Education by promoting quality technical learning and industry-relevant knowledge

KPR Institute of Engineering and Technology
Learn Beyond (Autonomous, NAAC "A")

Department of Computer Science and Engineering

Industry Expert Lecture on

Data Harmony: Curate Collections via REST API Interface

Mr Adityan Ramesh
Head Operations
Twirltact Technology Solutions Pvt Ltd

01.10.2024 | 10.30am | Venue : GITAM HALL

SDG 4: Quality Education

Facebook, Instagram, Twitter, YouTube, LinkedIn, KPRIETonline

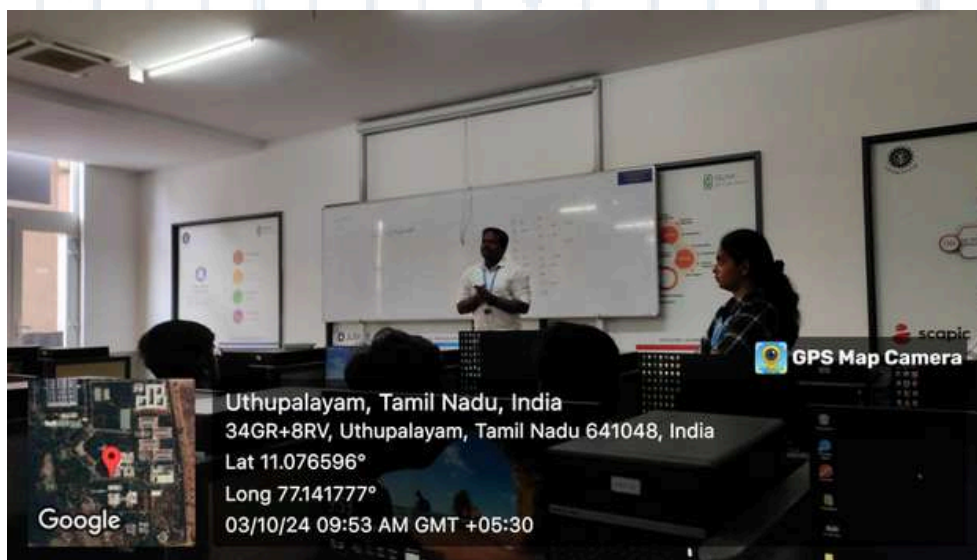


ONE CREDIT COURSE ON LO CODE AND NO CODE DEVELOPMENT

Summary:

03-10-2024

The Department of Computer Science organized a One Credit Course (OCC) titled "Low Code and No Code Development" on 03.10.2024 from 09:00 AM to 04:30 PM at the GV Lab and Classroom in On-Campus mode. The program was conducted at the Department level for students and covered six subject hours, with the participation of 2 industry experts and 76 student participants. The course focused on introducing students to low-code and no-code development platforms, emphasizing rapid application development, innovation, and industry-relevant practices. The event supported skill development and innovative thinking, aligning with SDG 9: Industry, Innovation and Infrastructure by promoting modern development approaches and technological advancement.



MOUTECHNO TACKLE SOFTWARE SOLUTIONS

Summary:

25-10-2024

The Department of Computer Science organized an MoU-related program with MoUTechno Tackle Software Solutions, Coimbatore on 25.10.2024 from 10:00 AM to 11:00 AM in Off-Campus mode at Marigold. The program was conducted at the Institute level and involved 2 industry participants, 1 internal faculty participant, 2 external faculty participants, 60 students, and 4 other participants. The session covered one subject hour and focused on strengthening industry-academia collaboration, exposure to industry practices, and opportunities for skill development. The event supported academic enrichment and innovation, aligning with SDG 4: Quality Education and SDG 9: Industry, Innovation and Infrastructure by promoting quality education and industry engagement.

JOURNEY FROM STUDENT TO SUCCESS

Summary:

25-10-2024

The Department of Computer Science, in association with IQAC, proposed to organize a Guest Lecture titled "Journey from Student to Success" on 25.10.2024 from 10:00 AM to 12:30 PM at Veena Hall in On-Campus mode. The program is planned at the Department level for students and will cover two subject hours. The session aims to motivate students by sharing insights on career development, professional growth, and industry expectations. The event aligns with SDG 4: Quality Education and SDG 9: Industry, Innovation and Infrastructure by promoting quality learning and industry-oriented awareness.

The poster is divided into two main vertical sections. The left section has a light blue and white background with a circuit-like pattern. It features the KPR Institute of Engineering and Technology logo at the top, followed by the text 'Learn Beyond (Autonomous, NAAC "A")'. Below this, it states 'Department of Computer Science and Engineering Organizes'. The main title 'Invited Talk on Journey from Student to Success' is prominently displayed in green and black. At the bottom of this section, it specifies 'For II, III, IV Year CSE(IC&D) Division' and provides the date and time '25.10.2024 | 11.00 AM - 12.30 PM' along with the venue 'Venue : Veena Hall'. The right section has a solid green background. It is headed 'Resource Person' and features a circular portrait of Mr. Balavishnu. Below the portrait, his name 'Mr. Balavishnu' is written, followed by his title 'Founder & CEO' and his company 'Techno Tackle Software Solutions, Selvaspuram, Coimbatore'. At the bottom of the poster, there are social media icons for Facebook, Instagram, Twitter, and YouTube, along with the text '/KPRIETonline'. To the right of these icons are the logos for the United Nations Sustainable Development Goals (SDG 4 and SDG 9) and the KPR Institute of Engineering and Technology logo.

KPR Institute of Engineering and Technology
Learn Beyond (Autonomous, NAAC "A")

Department of Computer Science and Engineering
Organizes

Invited Talk on
Journey from Student to Success

For II, III, IV Year CSE(IC&D) Division

25.10.2024 | 11.00 AM - 12.30 PM
Venue : Veena Hall

Resource Person

Mr. Balavishnu
Founder & CEO
Techno Tackle Software Solutions
Selvaspuram, Coimbatore

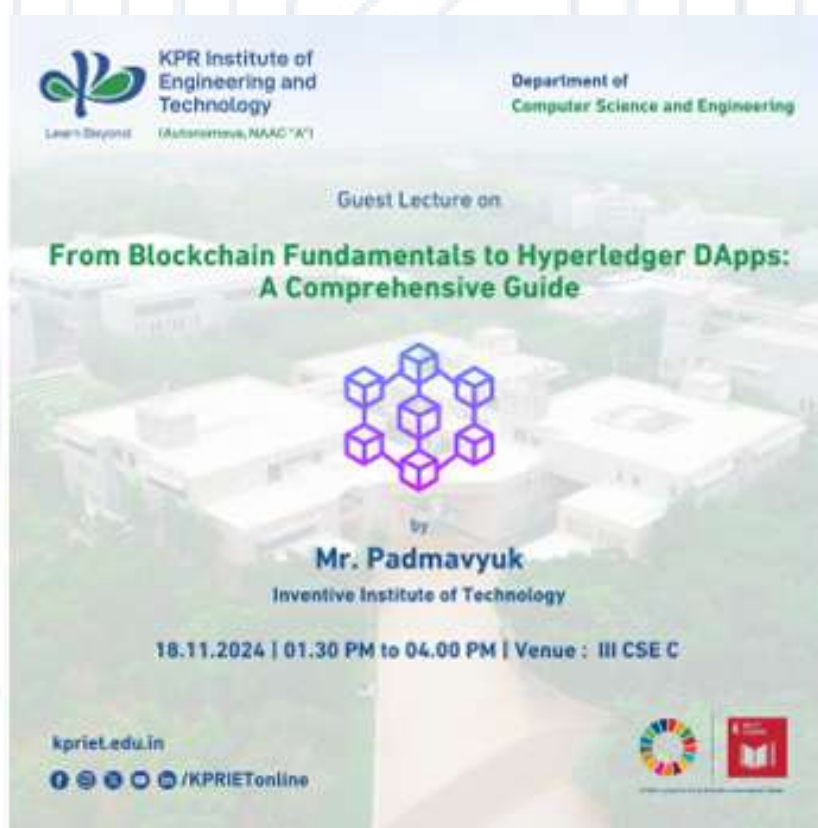
/KPRIETonline

FROM BLOCKCHAIN FUNDAMENTALS TO HYPERLEDGER DAPPS:A CMPREHENSIVE GUIDE

Summary:

18-11-2024

The Department of Computer Science organized a Guest Lecture titled "From Blockchain Fundamentals to Hyperledger DApps: A Comprehensive Guide" on 18.11.2024 from 01:30 PM to 04:00 PM in On-Campus mode at the III CSE C Classroom. The program was conducted at the Department level for students and covered three subject hours. The session focused on introducing students to the fundamentals of blockchain technology and the development of Hyperledger-based decentralized applications (DApps). The lecture enhanced students' understanding of emerging technologies and their real-world applications, aligning with SDG 4: Quality Education by promoting quality technical learning and industry-relevant knowledge.



CONTAINERIZATION USING DOCKER

Summary:

04-11-2024

The Two-Day One-Credit Course on Containerization Using Docker is designed to provide participants with in-depth knowledge of containerization technology. This course will cover the fundamentals of Docker, including container creation, image management, networking, and multi-container applications using Docker Compose. Hands-on sessions will help participants deploy applications in a containerized environment. Advanced topics such as Docker Swarm and Kubernetes basics will also be introduced. The course is ideal for students, faculty, and professionals interested in DevOps and cloud computing. Participants will receive guidance from industry experts and gain practical experience. A mini-project and assessments will be conducted to evaluate learning outcomes. Upon successful completion, participants will receive a One-Credit Certificate. Join us to explore how Docker revolutionizes modern software development

The poster features a light blue background with a faint architectural rendering of a modern building. At the top left is the KPR Institute of Engineering and Technology logo, which includes a stylized green leaf and the text 'Learn Beyond'. To its right, the text 'KPR Institute of Engineering and Technology' and 'Autonomous, NAAC "A"' is displayed. Further right, 'Department of Computer Science and Engineering' is written. The main title 'Industry Oriented One Credit Course on: CONTAINERIZATION USING DOCKER' is centered in green. Below the title is a circular portrait of Mr. Govardhan S, an Associate Machine Learning Engineer at ANKO. At the bottom, two green boxes specify the dates '04.11.2024 & 05.11.2024' and time '9.am to 4p.m', followed by another green box for the 'Venue: HPC Lab'. The footer contains the website 'kpriet.edu.in', social media icons, and accreditation logos for NAAC and AICTE.

KPR Institute of Engineering and Technology
Learn Beyond Autonomous, NAAC "A"

Department of Computer Science and Engineering

Industry Oriented One Credit Course on:

CONTAINERIZATION USING DOCKER

Mr. Govardhan S
Associate Machine Learning Engineer, ANKO

04.11.2024 & 05.11.2024
9.am to 4p.m

Venue: HPC Lab

kpriet.edu.in
Facebook, Instagram, LinkedIn, YouTube, Twitter, KPRIETonline

NAAC Accredited AICTE Approved

KPRIET ACM-W INAUGURATION

Summary:

20-11-2024

KPRIET ACM-W Chapter Inauguration The inauguration of the KPRIET ACM-W (Association for Computing Machinery – Women) Chapter marks a significant milestone in fostering gender diversity and inclusion in computing and technology at KPR Institute of Engineering and Technology. This event brings together students, faculty, and industry professionals to celebrate the launch of the chapter, which aims to empower women in computing through knowledge-sharing, mentorship, and networking opportunities. The inauguration features distinguished speakers, an introductory session on ACM-W, and discussions on the importance of women in computing and leadership roles in tech. The chapter will serve as a platform for students to engage in research, technical workshops, coding competitions, and community outreach programs, aligning with ACM-W's global mission to support, inspire, and advocate for women in computing. Join us in celebrating this remarkable beginning and be part of a movement that shapes the future of women in technology!



KPR Institute of Engineering and Technology
(Autonomous, NAAC "A")

acm-w Department of Computer Science and Engineering

Department of CSE Association
VYNTRA & KPRIET ACM - W

Jointly Organizes Guest Lecture on

**"WOMEN IN TECHNOLOGY:
EMPOWERMENT, CHALLENGES, AND
OPPORTUNITIES"**

Guest Speaker



Mrs. Kavitha Martin
Vice President, HR, Finance & General
Administration SourceTrace Systems
Coimbatore

20.11.2024 | 10.00 AM | Venue: Thanam Hall

kpriet.edu.in /KPRIETonline



VYNTRA INAUGURATION

Summary:

14-11-2024

The Department of Computer Science and Engineering (CSE) at KPRIET proudly inaugurated its student association, VYNTRA, marking a significant milestone in fostering academic excellence, leadership, and technical innovation among students. About VYNTRA: VYNTRA, the official student association of the CSE department, is designed to empower students by providing a platform for collaborative learning, technical skill development, and professional networking. The association aims to bridge the gap between academia and industry through various initiatives. Objectives of VYNTRA: Promote technical excellence through workshops, hackathons, and coding competitions. Encourage interdisciplinary research and innovation. Foster leadership and teamwork among students. Bridge the gap between industry and academia through guest lectures and internships. Support students in career development, higher education, and entrepreneurship.



MASTERING MONGODB

Summary:

19-11-2024

The Department of Computer Science organized a Department-level Seminar titled "Mastering MongoDB" on 19.11.2024 from 10:00 AM to 11:00 AM in On-Campus mode at the Class Room for students. The seminar covered three subject hours and focused on introducing students to MongoDB, its core concepts, and its practical applications in modern software development. The session helped students understand NoSQL databases, data handling techniques, and the relevance of MongoDB in building scalable and efficient applications. A total of 70 students participated in the program. The event was aligned with SDG 3 (Good Health and Well-being) by emphasizing the role of efficient and reliable information systems in supporting well-being and quality of life through technology



The poster is divided into two main sections. The left section, on a light blue background, contains the KPR Institute of Engineering and Technology logo and name, followed by the Department of Computer Science and Engineering. It states that the department organizes an Industry Expert Lecture on "Mastering MongoDB: Fundamentals and Beyond" on 19.11.2024 at 10:00 AM in Venue II CSE C. The right section, on a green background, features a circular portrait of the speaker, Mr. Mohamed Ashfaque Ali, a Technical Specialist at Bosch Global Software Technologies in Coimbatore. At the bottom, there are social media icons, the website kpriet.edu.in, and logos for the United Nations Sustainable Development Goals and the KPR Institute.

KPR Institute of Engineering and Technology
Learn Beyond (Autonomous, NAAC "A")

Department of Computer Science and Engineering
organizes Industry Expert Lecture on

Mastering MongoDB: Fundamentals and Beyond

19.11.2024 | 10.00 AM
Venue : II CSE C

kpriet.edu.in
f t i n y o /KPRIETonline

Speaker

Mr. Mohamed Ashfaque Ali
Technical Specialist
Bosch Global Software Technologies
Coimbatore

UN SUSTAINABLE DEVELOPMENT GOALS



EMBEDDED C EXCELLENCE ARDUINO APPLICATIONS

Summary:

22-11-2024

The event "Embedded C Applications using Arduino Programming" introduces participants to the basics of embedded systems and Arduino development. It focuses on hands-on learning of Embedded C to program microcontrollers and interface hardware components. Participants will work with sensors, actuators, and real-time applications to build practical projects. The session helps bridge the gap between theoretical concepts and real-world embedded system implementation.



The poster is for an event titled "Embedded C Excellence Arduino Programming Applications". It is organized by the Department of Computer Science and Engineering at KPR Institute of Engineering and Technology. The speaker is Mr. Mohanraj C, Associate IOT Engineer at Twirltact Technology Solutions Private Ltd, Coimbatore. The event is for I CSE C and D sections, scheduled for 22.11.2024 from 02.00 PM to 03.30 PM at Veena Hall. The poster includes the KPR Institute logo, a circular portrait of the speaker, and various institutional logos at the bottom.

KPR Institute of Engineering and Technology
Learn Beyond (Autonomous, NAAC "A")

Department of Computer Science and Engineering
organizes an Expert Talk on

Embedded C Excellence Arduino Programming Applications

For I CSE C and D sections

22.11.2024 | 02.00 PM - 03.30 PM
Venue : Veena Hall

kpriet.edu.in
f t i k w /KPRIETonline

Speaker

Mr Mohanraj C
Associate IOT Engineer
Twirltact Technology Solutions Private Ltd, Coimbatore

4th
SDG
Sustainable Development Goals



CHEERS TO SUCCESS

Congrats to our Placed Stars!

S.No	Student Name	Year with Section	Company Name	Package
1	AAKASH K J	IV CS A	Avasoft	5.5
2	ABHINAV M	IV CS A	Sutherland	2.25
3	ABINAYA B	IV CS A	HPI	9 - 10
4	AMALA JANALIA S	IV CS A	Capgemini	4
5	AMIRTA K	IV CS A	Hexaware PGET	6
6	ASHIKAA G A A	IV CS A	Kloud Gin	4
7	ASHWIN HARISH.P	IV CS A	Hexaware PGET	6
8	AVINASH KIRTHICK DL	IV CS A	Hexaware	4 - 6
9	BHARATH G	IV CS A	Sutherland	2.25
10	BHARATH M	IV CS A	Sutherland	2.25
11	BRIJESH A. Ba	IV CS A	Excelacom	5

S.No	Student Name	Year with Section	Company Name	Package
12	CALVIN ABEL MATHEWS	IV CS A	Hexaware PGET	6
13	DEIVAMANI M	IV CS A	Sutherland	2.25
14	DHANUSH S	IV CS A	Cognizant	4
15	DHANUSH T.P	IV CS A	Velam.ai	6
16	DHARANI RAJ S	IV CS A	Cognizant	4
17	DHARANIDHARAN.S	IV CS A	Accenture	4.5
18	DHARUN KUMAR JK	IV CS A	Sutherland	2.25
19	DHIYAA A	IV CS A	Sutherland	2.25
20	DINESHKUMAR G	IV CS A	Sutherland	2.25
21	DIVYA P	IV CS A	Multicoreware	8
22	GAAYATHRI K R	IV CS A	Cognizant	4
23	GOKUL C	IV CS A	UST Global	4

S.No	Student Name	Year with Section	Company Name	Package
24	GOKULAKRISHNA B S	IV CS A	Sutherland	2.25
25	GOKULPRASANTH T	IV CS A	Mygate	5
26	GOWSIKA P	IV CS A	Cognizant	4
27	HARI NARAYANAN.R	IV CS A	Payoda	4.5
28	HARI PT	IV CS A	Integrate	12
29	HARINI S	IV CS A	Accenture	4.5
30	HARISH R	IV CS A	Accenture	4.5
31	HARSHIT S	IV CS A	ABLUVA	5
32	HEMANTH P	IV CS A	Capgemini	4
33	INDHUJA R	IV CS A	Hexaware PGET	6
34	ISWARYA MEENAKSHI R G	IV CS A	UST Global	4
35	JAI ADITHIYA K	IV CS A	Avasoft	5

S.No	Student Name	Year with Section	Company Name	Package
36	JEEVANANDHAM V	IV CS A	Mirrar	4
37	JEEVANANDHAN A	IV CS A	Accenture	4.5
38	ANTONY NAVIN RAJ.I	IV CS A	Sutherland	2.25
39	AJAY KUMAR R	IV CS A	SPAN TECHNOLOGY	4.5
40	DHARSHANA D	IV CS A	Qspider	3.5
41	KANNAN K	IV CS B	Sutherland	2.25
42	KARNESHKUMAR S	IV CS B	Sutherland	2.25
43	KATHIRESAN R	IV CS B	Sutherland	2.25
44	KATHIRVEL.P	IV CS B	Sutherland	2.25
45	KAVIYA SHREE.S.P	IV CS B	Sutherland	2.25
46	MADHAN KUMAR. R	IV CS B	Sutherland	2.25
47	MADHUMITHA M	IV CS B	Sutherland	2.25

S.No	Student Name	Year with Section	Company Name	Package
48	POOVARASAN G	IV CS B	Sutherland	2.25
49	CHANTHISWAR S	IV CS B	Sutherland	2.25
50	JAIWANTH B	IV CS B	Sutherland	2.25
51	NADHIN ABINAV S A	IV CS B	Tap Academy	3
52	JITHESH MD	IV CS B	UST Global	4
53	JOSHIKA B	IV CS B	Excelacom	4
54	KAANISH SK	IV CS B	Cognizant	4
55	KEVIN SAMUEL C	IV CS B	EY	2.25
56	KUMARAVEL.M	IV CS B	Tactive software	4
57	LIVIN M	IV CS B	Capgemini	4
58	MOHAMMED ANAS A	IV CS B	Integrity Pro	4
59	NANDHINI V	IV CS B	Capgemini	4

S.No	Student Name	Year with Section	Company Name	Package
60	PRANEESH RAJA B M	IV CS B	UST GLOBAL	4
61	Promoth .V	IV CS B	EY	2.25
62	GOPIKA S	IV CS B	SQUADL	2.25
63	MANJUNATH S	IV CS B	Tactive software	2.25
64	KAVIN V	IV CS B	Accenture	3
65	KOWSALYA E	IV CS B	Accenture	4
66	MATHUMITHA M	IV CS B	Accenture	4
67	MOHAMED SAMEER F	IV CS B	Accenture	4
68	NAREN P	IV CS B	Accenture	2.25
69	NAVEEN PRASATH.R	IV CS B	Payoda	4
70	NIRANJANAN K	IV CS B	Accenture	4
71	PRANESH R	IV CS B	Accenture	4

S.No	Student Name	Year with Section	Company Name	Package
72	GOWTHAM R	IV CS B	Accenture	4.5
73	JEYASRI S	IV CS B	Mygate	5
74	MOULISH N	IV CS B	NECURITY	5
75	NANDHAKUMAAR T	IV CS B	NECURITY	5
76	NANDHINI. K	IV CS B	Mygate	5
77	MANOJ RK	IV CS B	Avasoft	5.5
78	MANOVISHAAL.D	IV CS B	Hexaware PGET	6
79	MOHAMED AFSAL J	IV CS B	KAPTURE	8
80	MOHAMED SULAIMAN A	IV CS B	Multicoreware	8
81	KAVISHREE P S	IV CS B	Kaar	8
82	KAVYA SRI B	IV CS B	J P Morgan	20
83	KRISHNAGANTH R L	IV CS B	Hexaware	4 - 6

S.No	Student Name	Year with Section	Company Name	Package
84	PRANESH J	IV CS B	Hexaware	4 - 6
85	PAVITHRA V	IV CS B	HPI	9 - 10
86	JOTHSNA M G	IV CS B	HPI	9 - 10
87	Pranav S	IV CS B	Qspider	3.5
88	Prasanth.D.J	IV CS B	Qspider	3.5

STUDENT EXCELLENCE BEYOND THE NORM

06-11-2024 KABADDI MATCH
CIT-ALUMINI TROPHY VENUE- CIT COLLEGE



12-10-2024 KABADDI MATCH
ANNA UNIVERCITY ZONE -IX VENUE-SUGUNA COLLEGE



Ramkumar, Rajaram, Ramankishore, Rakul, and Pragadesree won the SIH Hackathon at Sri Krishna College of Engineering and Technology on 12.12.2024, securing a prize of 1 lakh.



Pranav V M and Navaneethakrishnan M V of II CSE B secured the 3rd prize in the YUDHAM '24 Hackathon, organized by the Office of Student Affairs, KPRIET, on December 24.



Kabila U S and Parneetha S K of II CSE B won SENSATHON '24, a 24-hour hackathon organized by SONA College of Technology, Salem, on December 24, and received a cash prize of ₹20,000.

