

# BITS & BYTES

**Newsletter**  
**Department of Computer**  
**Science**  
**And Engineering**  
**June 2024 - December 2024**

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## DEPARTMENT VISION

- To evolve as a School of Computer Science with centers of excellence having international reputation to serve the changing needs of Indian industry and society.

## DEPARTMENT MISSION

- Computer Science and Engineering department is committed to bring out career-oriented graduates who are industry ready through innovative practices of teaching-learning process.
- To cultivate professional approach, strong ethical values and team spirit along with leadership qualities among the graduates by organizing workshops, seminars and conferences periodically. Association with professional bodies and invitation to external experts should help this.
- To contribute towards techno-economic and social development of the nation through quality human resource and encouraging entrepreneurship among the young graduates.

## PROGRAM SPECIFIC OBJECTIVES (PSOs)

- The Program Specific Objectives of Computer Science and Engineering Undergraduate Program are to prepare the graduates:
- **PSO1: Proficiency in Software Engineering and System Design:** Graduates will be able to design, develop, and optimize software solutions, applying core principles of computer science to build efficient, scalable, and secure systems
- **PSO2: Competency in Emerging Technologies:** Graduates will develop expertise in emerging technologies and specialized domains enabling them to Innovate and build advanced solutions meeting Industrial and societal needs.

## **PROGRAM EDUCATIONAL OBJECTIVES (PEOs)**

The objectives of the Under Graduate programme in Computer Science and Engineering are to:

**PEO1:** Enable graduates to be successful in their chosen careers, by applying their continual learning of Computer Science and Engineering in their work and life situations.

**PEO2:** Enable graduates of the program to continue to adopt latest technologies and be critical learners displaying creativity and demonstrate to be leaders.

**PEO3:** Prepare graduates of the program to be innovative product engineers catering to the requirements of the enterprises and society.



## Department Events and Workshops

### Bharat Blockchain Yatra



Blockchain yatra was an unprecedented event that captured the attention of Blockchain enthusiasts, industry leaders, developers & policy makers. The event reached out to students across India introducing them to leading web3 companies and technology. The event was held in 18 states engaging 12000 participants and 200 speakers.

The advisors of the event were Dr. Raghuv eer V R , Director/KSI and Dr. Divya Vadlamudi , HOD/CSE & Associate Director/KSI. The event was chaired by Dr.J. Cynthia, Professor/CSE and the Faculty coordinators of the event were Dr. Prema Arokia Mary , AP II/IT, Ms. Aswini D , AP II/CSE and Ms. Francis Jency X , AP/CSE.

# Bharat Blockchain Yatra

The Bharat Blockchain Yatra Grand Finale took place on October 23, 2024, at the AICTE Auditorium in Vasant Kunj, New Delhi. The event was organized by Information Data Systems (IDS) in collaboration with the All India Council for Technical Education (AICTE), with support from the National Educational Technology Forum (NETF) and Anuvadini AI.

Powered by Hedera and The Hashgraph Association, the event focused on fostering blockchain innovation in India. Shri Govind Jaiswal, IAS, Joint Secretary, Ministry of Education, was the Guest of Honour.



The Academic Excellence Award honoured leading educational institutions significantly contributing to blockchain research, education, and talent development. These institutions play a crucial role in shaping the future of blockchain by fostering the next generation of innovators and blockchain experts in India.



For More Detail: [https://www.linkedin.com/posts/kumaraguru-school-of-innovation\\_bharatblockchainyatra-academicexcellence-activity-7259082144050774017-ZJv7](https://www.linkedin.com/posts/kumaraguru-school-of-innovation_bharatblockchainyatra-academicexcellence-activity-7259082144050774017-ZJv7)

# OWASP Meetup 2024

The Department of Computer Science and Engineering in association with BIT - Information Technology, organized an OWASP Meetup on December 21, 2024, at KCT. The event aimed to foster learning, skill development, and networking among students, faculty, and cybersecurity enthusiasts.

The meetup featured distinguished speakers from leading organizations, including Naresh Pandian (Cloud destinations Pvt. Ltd.), Shyam Sundar Ramaswami (GE Healthcare), Mr. Sellva M. (Amber Innovations Limited), and Mr. Balaji Balakrishnan (Opsunify Technologies). Their sessions covered advanced cybersecurity topics, offering insights into industry trends, research advancements, and real-world applications in memory forensics, threat intelligence, and security architecture.

With a total participation of 475 attendees, including faculty, students from KCT and external institutions, the event provided a unique opportunity for knowledge sharing and professional networking.



# OWASP Meetup 2024



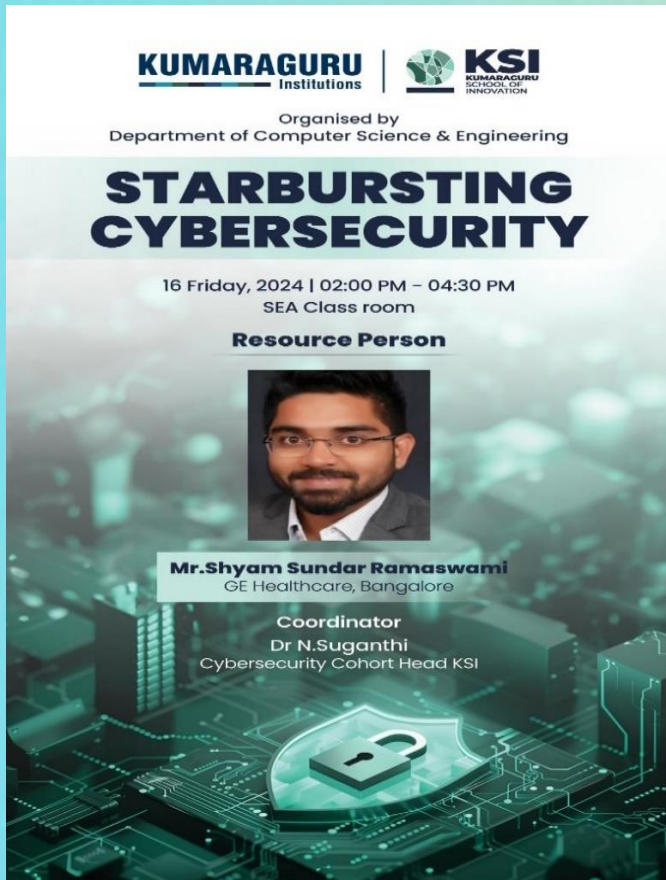
Key discussions focused on emerging cyber threats, best practices in security, and avenues for research and innovation. The event also encouraged students to pursue projects, publish research papers, and participate in cybersecurity competitions.

The successful execution of the OWASP Meetup underscored KCT's commitment to bridging academia and industry, ensuring students gain practical exposure and expertise in the dynamic field of cybersecurity.

For More Detail: [https://www.linkedin.com/posts/kumaraguru-school-of-innovation-cybersecurityday-coimbatoremeetup-cybersecuritycommunity-activity-7278265035947188224-O\\_ND](https://www.linkedin.com/posts/kumaraguru-school-of-innovation-cybersecurityday-coimbatoremeetup-cybersecuritycommunity-activity-7278265035947188224-O_ND)



# Starbursting Cybersecurity



The Cybersecurity cohort of KSI organized an expert session on "Starbursting Cybersecurity" on 16.08.2024 foster innovative thinking and strategic advancements in cybersecurity education.

Shyam Sundar Ramaswami, an industry expert from GE Healthcare, Bangalore, led the session, providing insights into the latest trends, curriculum enhancements, and student opportunities in the field of cybersecurity.

The Director and Associate Director of KSI expressed their gratitude to the speaker and presented a memento as a token of appreciation. The event laid the groundwork for significant developments in curriculum, infrastructure, and industry collaborations, contributing to the growth of KSI's cybersecurity program.



The session focused on:

Career Guidance: Insights into market trends, job opportunities, and professional preparation in cybersecurity.

# Starbursting Cybersecurity

- Curriculum Enhancement: Integration of advanced topics such as AI in cybersecurity, ethical hacking, and threat detection.
- Cybersecurity Lab Establishment: Plans for a hands-on training lab to facilitate practical learning in network security, penetration testing, and malware analysis.
- Student Opportunities: Discussions on internships and industry collaborations, including partnerships with GE Healthcare.
- Cohort and Club Activities: Initiatives for regular hackathons, guest lectures, and workshops to engage students and keep them updated on industry advancements.

For More Detail: [https://www.linkedin.com/posts/kumaraguru-school-of-innovation\\_cybersecurity-careerguidance-ksi-activity-7231548032314392576-ECRE](https://www.linkedin.com/posts/kumaraguru-school-of-innovation_cybersecurity-careerguidance-ksi-activity-7231548032314392576-ECRE)

## WISE-Ai-THON 2024

"Wise-Ai-thon 24," is a collaborative event between KSI and Wisework. This empowering hackathon is designed to bring together talented students to address critical challenges related to SDG 2: Zero Hunger, SDG 3 : Good Health and Well-Being, and SDG 9: Industry, Innovation, and Infrastructure with Generative AI.

Dr. V.R. Raghuveer, Director of Kumaraguru School of Innovation (KSI), who set the tone by emphasizing the significance of the Hackathon. He shared plans to expand the *Immersion Programs*, offering deeper, hands-on learning experiences, with the next initiative set to be introduced in collaboration with *Hyperverge*. These initiatives are designed to equip students with the necessary skills to excel in today's rapidly evolving technological landscape. The event was presided by Dr. Madhan Kumar Srinivasan, CEO and Co-founder of Wise Work, addressed the audience with a warm congratulations to all the students for their active participation in the Hackathon. A total of 63 students teams presented their problem statement and solution proposed. Out of 63 student teams 26 teams are selected for Wise-Ai-Thon 24 event.

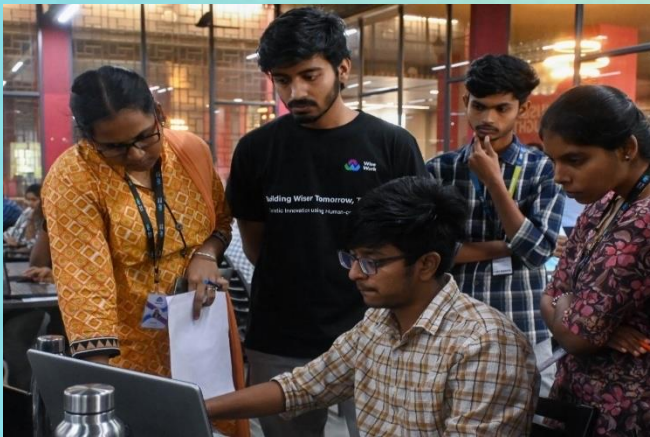
# WISE-Ai-THON Glimpse



*Students evaluated by Wise work mentor at Hackathon*



*Cultural Event for 30 minutes for mind Refreshment*



*Students presenting their Solution to Wise Work Team*



*Wise Work Prize Distribution*



*Wise Work 18 students selected for internship programme*

For More Details: <https://www.linkedin.com/posts/kumaraguru-school-of-innovation-we-are-happy-to-share-the-success-of-wise-ai-thon-activity-7241744209488048128-fmvH>

## DEPARTMENT ASSOCIATION ACTIVITIES

S.No	Name of the Event	From Date	To Date	Event Description
1	Fight For Freedom	20/08/24	20/08/24	"Fight for Freedom" is an exciting treasure hunt with four rounds word puzzles, cipher decoding, maze navigation, and a flag hunt challenging intellect, teamwork, and speed for cash prizes.
2	Teacher's Day Celebration	05/09/24	05/09/24	Teacher's day celebration engaging activities such as the "Battle of Beats" and remembering their stars and enjoyment among the staff members.
3	Honoring the Engineers & Educators	01/10/24	01/10/24	The awards ceremony honored teachers for their dedication and impact, recognizing their unique contributions with special awards and mementos as tokens of appreciation.
4	Alumni Interaction Program	16/10/24	16/10/24	Two Alumni of KCT provide their journey and experiences to the students and guide them in their future career paths.

## Fight for Freedom

"Fight for Freedom" is an exhilarating treasure hunt organized by the CSE department, designed to challenge your intellect, teamwork, and speed. The event consists of four exciting rounds, including word puzzles, cipher decoding, maze navigation, and a picture connection with a flag hunt. Each round brings participants closer to victory, with the fastest and most strategic teams competing for cash prizes.

"The objective of the "Fight for Freedom" event is to engage participants in a challenging and interactive treasure hunt that tests their problem-solving skills, teamwork, and quick thinking, all while fostering a sense of independence and competitive spirit. The event aims to celebrate Independence Day in a fun and dynamic way, encouraging participants to unlock clues, solve puzzles, and race against time to achieve victory.



**KUMARAGURU** Institutions | **KSI** KUMARAGURU SCHOOL OF INNOVATION | COMPUTER SCIENCE & ENGINEERING ASSOCIATION

# FIGHT FOR FREEDOM

"Fight for Freedom" is an exciting, fast-paced team competition designed to challenge your problem-solving skills, teamwork, and resourcefulness. Over the course of one hour, teams will navigate through a series of engaging rounds that culminate in a thrilling final challenge.

**20 August 2024 | 4:30 PM**  
**Prize worth Rs. 1500**  
**Venue: M - Gateway**

© @ kct\_cse

The highlight of the "Fight for Freedom" event is its thrilling multi-round structure, which includes decoding puzzles, cracking ciphers, navigating a maze, and a high-stakes flag hunt, all designed to challenge participants' wits, speed, and teamwork as they race towards victory and celebrate the spirit of independence.

## Alumni Interaction Program

The Alumni Interaction Program was designed to bridge the gap between current students and esteemed alumni of the Computer Science and Engineering Department. This half-day event featured a series of interactive sessions, panel discussions, and networking opportunities, allowing students to gain invaluable insights into industry trends, career paths, and the challenges faced by professionals in the field.

The program aims to:

- Inspire students through the success stories and challenges faced by alumni.
- Provide insights into industry trends, career paths, and skills required to excel.
- Establish a platform for mentoring and networking between alumni and students.



At last, 100 students participated enthusiastically. 40 of students expressed satisfaction with the event and found it beneficial. New mentoring relationships formed, valuable career advice shared, and opportunities for internships or collaborations initiated.

## Glimpse of Alumni Interaction Program



## Teacher's Day Celebration

The Teacher's Day celebration on September 5, 2024, took place in the staff room, starting with a gathering of staff members for an introductory session.

The main event commenced with a welcome address by the Master of Ceremonies, followed by snacks and informal networking. At 2:30 PM, staff members involved in a series of engaging activities designed to foster interaction and enjoyment.

The activities included a "Spin the Wheel" game, the "Battle of Beats" musical competition, and a spirited round of Charades. These games encouraged teamwork and lively participation among the staff. The event concluded at 3:50 PM with a Vote of Thanks, acknowledging the contributions of both participants and organizers. Overall, the celebration was a fun and interactive way to appreciate teachers and their efforts.





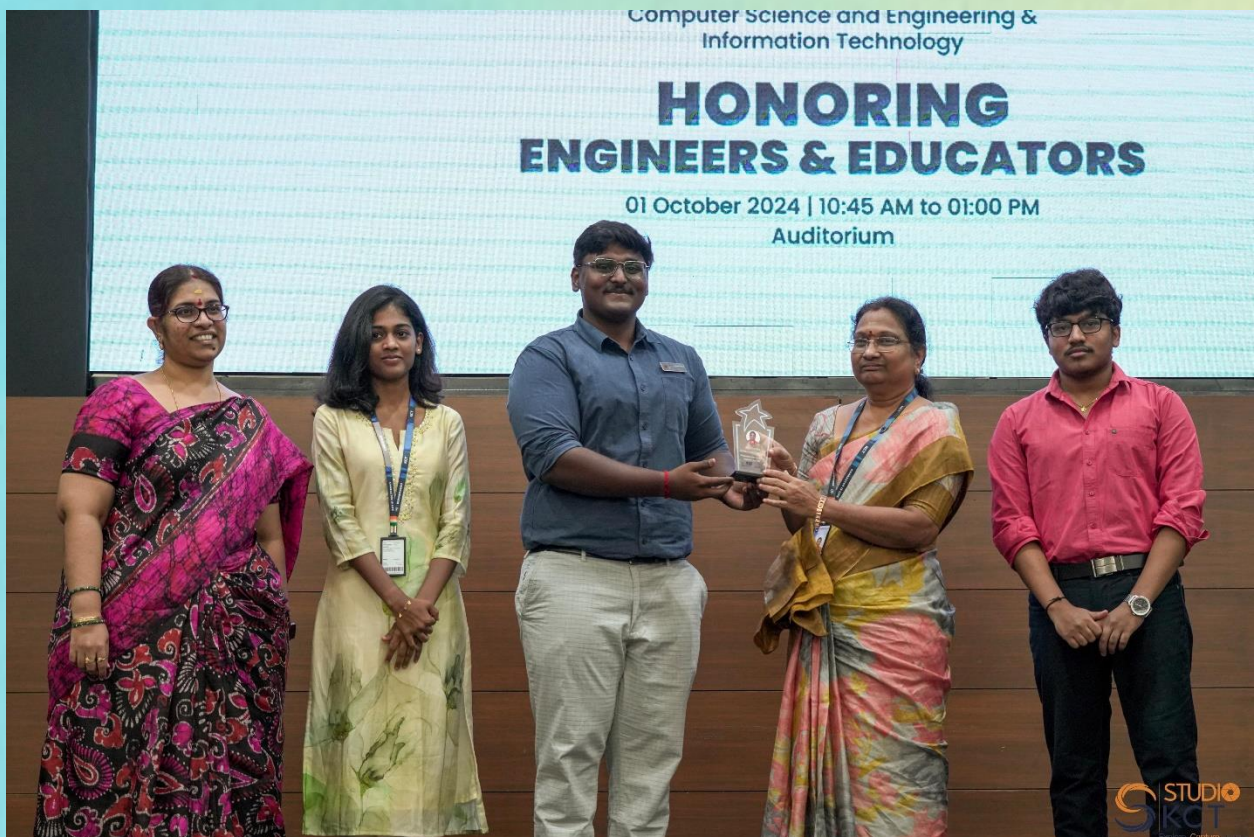
# Teacher's Day Celebration



## Honoring the Engineers & Educators

The awards ceremony for teachers was a heartfelt celebration of their dedication and impact on shaping young minds. Teachers were honored with unique awards, each title chosen to reflect their remarkable qualities and contributions. The event aimed to express gratitude and appreciation for their unwavering commitment to education and mentorship. In addition, mementos were presented to all the teachers as a token of respect and recognition.

- Teachers were celebrated for their exceptional contributions, boosting their morale and motivation.
- The event fostered stronger bonds between students and faculty, enhancing mutual respect and collaboration.
- The ceremony inspired students to value mentorship and aspire to embody the qualities of their educators



# Honoring the Engineers & Educators



# OUTREACH

## PKFokam Institute Visit: Strengthening Global Academic Collaboration

The Department of Computer Science and Engineering organized a visit to the PKFokam Institute as part of its outreach and academic collaboration initiatives. The visit aimed to foster knowledge exchange, research partnerships, and student engagement in emerging fields of technology and innovation.

During the visit, faculty and students engaged in interactive discussions with PKFokam Institute representatives, exploring potential collaborations in research, curriculum development, and skill enhancement programs. The discussions emphasized innovative learning methodologies, industry-integrated training, and global best practices in higher education.

The event featured expert talks and panel discussions addressing cutting-edge, technological advancements, interdisciplinary research opportunities, and industry-academic linkages. Faculty members from both institutions shared insights on joint research projects, student exchange program and faculty development initiatives. The event concluded with a commitment to sustained collaboration, ensuring students and faculty benefit from global exposure and industry-aligned education.



**Dr. J. Cynthia's training session on Curriculum design**



**Faculty team lab visit to PKFokam Institute.**

# ALUMNI MEET

## Silver Jubilee Celebration – Batch 1999

The Silver Jubilee Celebrations for the Batch of 1999 were held on July 27, 2024, bringing together seventeen distinguished alumni at the Department of Computer Science and Engineering (CSE). The event provided a platform for interactive discussions between alumni, faculty, and students, fostering stronger industry-academia connections.



The session commenced with a welcome address by Dr. Divya Vadlamudi, Associate Director, who highlighted KSI's ongoing initiatives and the importance of alumni engagement in shaping the future of education. Alumni shared their professional experiences, industry insights, and career guidance, while also discussing potential curriculum enhancements and collaborative opportunities with faculty members.

A key focus of the discussions was curriculum advancement, where alumni recommended updating core courses, such as moving the Operating Systems course to an earlier semester for better alignment with Computer Architecture and Database Management Systems. Other suggestions included the integration of JavaScript, the expansion of AI, ML, and Cloud Computing courses, and the introduction of an E-commerce elective. These recommendations will be reviewed in upcoming Board of Studies (BoS) meetings for potential inclusion.



In addition to curriculum discussions, the event facilitated technical collaborations, with alumni offering to lead webinars, workshops, and hands-on training sessions on DevOps, iOS app development, and Data Warehousing. These sessions aim to provide students with practical exposure to industry-relevant technologies. Furthermore, alumni committed to mentoring research projects and internships, ensuring students gain real-world experience in domains like network security and agricultural technology.



The celebration also marked the formal involvement of alumni in curriculum advisory roles, with select alumni being considered for Board of Studies (BoS) and Department Advisory Board (DAB) memberships. This collaboration aims to align academic programs with industry standards and enhance employability prospects for students. The event concluded by acknowledging the alumni for their continued support, expertise, and commitment to the institution. Their participation strengthened alumni-faculty-student interactions, paving the way for academic advancements, technical knowledge exchange, and long-term industry partnerships.

# ACHIEVEMENTS



- Vignesh S R, Vigneshwaran S, and Tisya Chellapandian won Rs. 1 lakh in the national-level hackathon event “Idea to Impact Challenge” held at IIT Chennai.



- Adarsh J and Jenin Immanuel J secured 2nd Prize at the state-level cultural event “Tarangini - Battle of Bands” held at NIT Trichy.



# ACHIEVEMENTS



- Janarthana K won 1st Prize in the national-level event "All India Mosses Memorial Karate Championship" held at Alanthilak Karate School, Coimbatore.
- Arimadhankumar V also won 1st Prize at the state-level event "Tamilnadu State Ashteda Akhatda Championship" held at Prist University, Thanjavur.
- Arimadhankumar V secured 2nd Prize in two categories, "Double Stick" and "Ottrai Silambu," at the "International Silambam Championship 2024" held at SNS College of Tech, Coimbatore.

## International Internship



24 CSE Students Attended International Internship at Taylor's University, Malaysia

For More Details:

[https://www.linkedin.com/posts/kumaraguru-school-of-innovation\\_ksiinternational-designthinking-globalexposure-activity-7219233312983146496-pDRv](https://www.linkedin.com/posts/kumaraguru-school-of-innovation_ksiinternational-designthinking-globalexposure-activity-7219233312983146496-pDRv)



# ACHIEVEMENTS



- Adhisk K Senthil received “Pitch4Fund First prize” as a team with Cash Prize 250 RM for the project “Voice-assisted home devices are inaccessible to aphonic individuals, limiting their use of smart home features at International Internship at Taylor University, Malaysia.



- Kavin Mohan Kumar & Shirley Nivetha received “Best business potential” as a team with Cash Prize 200 RM for the project “CareerGuideai” at International Internship at Taylor University, Malaysia.



# ACHIEVEMENTS



- Sai Tharun and Saravana received “Pitch4Fund (Best pitch)” as a team with Cash Prize 300 RM for the project “Digitalising accident regional language asset document at International Internship at Taylor University, Malaysia.



## Publications

- Vivek Anand M and Srinivasan Sriramulu, Shortest Path Optimization for Determining Nearest Full Node from a Light Node in Blockchain IoT Networks, International Journal of Computing and Digital Systems, 2025, VOL. 17, NO. 1, 1–13.
- Bharathipriya C, Arulanand Natarajan; Siddique Ibrahim Peer Mohamed; Rajendiran Shivaramakrishnan, Wind power prediction interval forecasting using DeepAR and Deep State models, AIP Conf. Proc. 3131, 020008 (Sep 2024)
- Dr. Sumathi, V.P, Geethakarathi, (2025); Performance Evaluation of Machine Learning Algorithms for Predicting Solar Radiation in Chennai Province, Communications in Computer and Information Science, Volume 2268 CCIS, Pages 56 – 64.



# ACHIEVEMENTS



## Best Paper Award

- Best paper award received by Saranya Kumar for the paper entitled "Dynamic Neurological Insights: Real-Time Stress Analysis Utilizing Portable EEG Kits" Which was presented at the 21st EURECA International Engineering Research Conference 24th July 2024 Taylor's University Lakeside Campus



## Resource Person

- Dr.Vanitha V and Dr. Suganthi N contributed as a Resource Person for the DST-ANRF Sponsored Five Days National Level Workshop on "Future-Proof Cyber Security: Advanced CybersecurityTactics for Securing Tomorrow's Digital World" on 27.11.2024 at Department of Computer Science and Design, Sengunthar Engineering College, Erode.

- Dr.Cynthia J contributed as a Resource Person for the 5 days ATAL FDP on "Exploring the Future:Innovations and Applications of Blockchain Technology" from 23-09-2024 to 28-09-2024 for the topic "Blockchain for tracking and traceability Case studies: Walmart, IBM food Trust, Emerging Use Cases" with Hands on Training

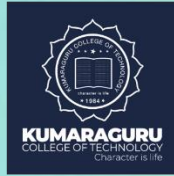


## STUDENTS PLACED DURING JUNE 2024 TO DECEMBER 2024

S.no.	Rollno	NAME	Company Placed	Nature of company	Salary in lakhs
1	21BCS001	Aadhavan R	Zoho	Core	8.4
2	21BCS002	Abarna V	Psiog digital	Product	4.2
3	21BCS006	Abirami S	Birla pivot	Services	14
4	21BCS009	Amaresh M	Quantiphi	Product	6
5	21BCS011	Anusri A	Vanenburg	Product	8
6	21BCS013	Ayyanraj C	Mr. Cooper	Product	7.5
7	21BCS015	Bavadhesh V L	Zoho	Core	Intern
8	21BCS016	Bharathkumar R	Nallas software	Product	5
9	21BCS019	Dhivaakar V	Autodesk	Services	40L
10	21BCS025	Ganesh R	Quantiphi	Product	6
11	21BCS028	Gowtham S	EmbedUR	Core	8
12	21BCS039	Harsha R	Deloitte	Product	4.12
13	21BCS040	Harshath H	Trimble	Product	7
14	21BCS044	Jenin Immanuel J	Autodesk	Product	40L
15	21BCS045	Kajasri P	Quantiphi	Product	6
16	21BCS047	Kanish Raj. K	Trimble	Product	7
17	21BCS048	Kanishka.T	Zoho	Core	8.4


## STUDENTS PLACED DURING JUNE 2024 TO DECEMBER 2024


S.no.	Rollno	NAME	Company Placed	Nature of company	Salary in lakhs
18	21BCS059	Leegal K	Nallas software	Product	5
19	21BCS062	Lokesh P	Ideaboard	Product	6.5
20	21BCS065	Mahima S	Zoho	Core	8.4
21	21BCS066	Malini A	Nallas software	Product	5
22	21BCS068	Mohamed Fatheem M	Nallas software	Product	5
23	21BCS070	Mohammed Irfan U	Zoho	Core	Intern
24	21BCS073	Moses John Wesley J	Roche	Core	5
25	21BCS077	Mythili Sekar Sriram	Roche	Core	5
26	21BCS079	K Nandhini	Quantiphi	Product	6
27	21BCS088	Nivashini AS	Morgan Stanley	Product	8
28	21BCS095	Preetha Sanju S	Kone elevator	Core	Intern
29	21BCS097	Rahul Ravikumar	GEP solutions	Product	4
30	21BCS106	Sathana Sri.C	Psiog dital	Product	4.2
31	21BCS107	Shalini Julia R	Trimble	Product	7
32	21BCS123	Subharanjini M	Psiog digital	Product	4.2
33	21BCS128	Talib Hassan Mir	Trimble	Product	7
34	21BCS130	Varshini S	Musigma	Management	5
35	21BCS131	Vignesh M	Zoho	Core	8.4
36	21BCS133	Vinay Laxman P	Deloitte	Product	4.12



Character is Life

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 Computer Science Department,  
KCT

 Kumaraguru School of Innovation

**"It does not matter how slowly you go as long as you do not stop." – Confucius**

