



# RAJADHANI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Rajadhani Hills, Nagaroor, Attingal, Thiruvananthapuram, Kerala 695102

## NEWSLETTER

Vol-2 (Mar 2025)

*Department of Computer Science & Engineering*

### Institution

#### VISION

Groom the Youth as Innovative, Creative and Empathetic Technologists, Hospitality, Professionals, Managers and Entrepreneurs for Social Transformation.

#### MISSION

M1: To encourage holistic development of students with well-balanced curricular, co-curricular and extra-curricular activities.

M2: To promote ethical and value-oriented teaching, research and consultancy among faculty and students for social transformation.

M3: To interact with industrial organizations, governmental agencies, engineering, hospitality and business enterprises for collaborative learning.

### Department

#### VISION

To be a premier department nurturing students to be strong in core and interdisciplinary knowledge, employable skills, industrially competent, innovative and creative professionals with ethical values.

#### MISSION

M1 :To develop competency in Computer Science & Engineering through outcome based education.

M2 :To imbibe the culture of creativity and critical thinking to enhance research and innovations in advanced computing technology.

M3 :To enhance leadership, problem-solving and entrepreneurial skills to transform social responsibilities with ethical values.



### Dr. Sangeetha Shibu

Head of the Department  
Department of Computer Science & Engineering  
Rajadhani Institute of Engineering & Technology

### Message from HOD

It gives me immense pleasure to present the 2024-25 vol-2 Newsletter issue of the Department of Computer Science & Engineering Newsletter at Rajadhani Institute of Engineering & Technology. This initiative marks a significant step in celebrating the achievements, innovations, and collaborative spirit that define our department. At RIET, we believe in nurturing a community that values curiosity, creativity, and continuous learning. As you turn the pages of this edition, I hope you find inspiration in the stories of academic excellence, groundbreaking research, and the vibrant campus life we share.

### PEO STATEMENTS

PEO1: Exhibit knowledge and proficiency in various domains of Computer Science & Engineering.

PEO2: Develop innovative computing products for reconcile contemporary issues in industry.

PEO3: Demonstrate teamwork, ethical leadership and promote entrepreneurship

### PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO 1 : Able to analyze and design solutions for complex problems in computing technologies using software project management concepts and programming languages.

PSO2: Develop proficiency in interdisciplinary areas of computer engineering to perform tasks related to industry & research.

PSO 3 : Competent to solve real-world problems pertaining to products and services in Information Technology.

## DEPARTMENT ACTIVITIES

### 'Back to Campus' Alumni Talk



The 'Back to Campus' alumni talk was an insightful and engaging session featuring two distinguished alumni, Mr. Ananthkrishnan from the 2016-2020 batch and Mr. Adityan from the 2019-2023 batch. The event was aimed at providing students with valuable insights into startups, incubation, placement opportunities, and IDEA Lab training. The session witnessed active participation from

students, faculty members, and aspiring entrepreneurs keen to learn from the experiences of successful alumni.

Mr. Ananthkrishnan shared his journey, discussing the challenges and opportunities in the entrepreneurial landscape. He highlighted the importance of ideation, market research, funding, and perseverance in running a successful business. His talk emphasized the role of incubation centers in providing necessary mentorship, resources, and support to budding entrepreneurs. He encouraged students to take advantage of incubation programs available in the institution and beyond. Mr. Adityan provided an in-depth overview of placement opportunities available to students. He discussed the changing trends in recruitment, key skills sought by employers, and the significance of internships and industry exposure. He also shared his personal experience with the placement process and offered practical advice on resume building, interview preparation, and networking strategies. Both speakers elaborated on the importance of innovation and practical learning, emphasizing the role of the IDEA Lab in fostering creativity and technical skills. They shared their experiences in utilizing the lab for prototyping and project development. The session encouraged students to actively participate in training programs offered by the IDEA Lab to enhance their hands-on experience in technology and innovation. The event concluded with an interactive Q&A session, where students raised queries regarding startup challenges, job market trends, and the relevance of interdisciplinary skills. The alumni provided thoughtful responses, motivating students to explore diverse opportunities and remain proactive in their career planning.

### ANDROID DEVELOPMENT

A workshop titled "**Android Development**" was conducted on **6th March 2025** by the Department of CS-CY-AI in association with CSI at the **ASD LAB**, exclusive to CSI members.

The session was hosted by **Adhnan (S8 CSE)**, who provided valuable insights into **Android app development** and mobile innovation.

Topics covered in the workshop included:

- Introduction to Android APK**
- Creating Our First App**
- Layout and Designs**
- Created Android APK**



## 3D-PRINTING: CUTTING-EDGE TECH UNVEILED

The 3D printing workshop facilitated engaging discussions among participants, covering topics such as applications of 3D printing, challenges and limitations, future developments, hands-on experiences, and industry collaborations. Participants shared their learnings, explored potential advancements, and brainstormed innovative ideas, fostering a collaborative environment that encouraged knowledge sharing and networking.

The workshop achieved its objectives, providing students with:

Practical knowledge and experience in 3D printing and related technologies

Understanding of materials and design software

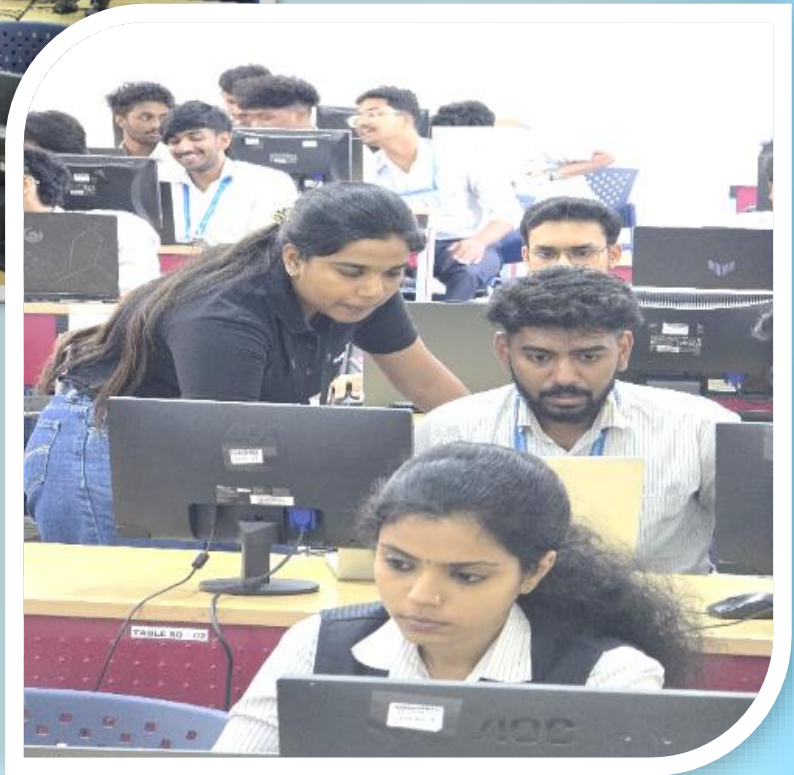
Hands-on experience with CO2 laser cutting machines and CNC wood routing

Certification of participation and hands-on experience

The 3D printing workshop was a success, providing students with valuable knowledge and experience. We look forward to conducting more such events in the future.



## ETHICAL HACKING WORKSHOP BY ROOT x IEEE CS



The Ethical Hacking Workshop at RIET's SPDK Lab was conducted by Vervox Company in collaboration with RootRIET and IEEE Computer Society. The session introduced penetration testing, vulnerability assessment, and security practices, providing hands-on training to 60 students. Participants explored cybersecurity threats and ethical hacking strategies through interactive discussions and expert guidance. The practical approach helped bridge theoretical knowledge with real-world applications, enhancing their cybersecurity skills. The event was a great success, equipping students with essential skills and industry-relevant expertise. The organizers extended their gratitude to Vervox Company and IEEE Computer Society for

their valuable support in making the workshop impactful.



## WORKSHOP ON DATA ANALYTICS



The session began with a warm welcome by Meghna Jyothilal, Chairperson of IEEE SB RIET, who introduced the esteemed speaker, Vyasan J. The session dove into the captivating world of Data Analytics, highlighting its significance in today's digital landscape. Participants gained valuable insights into the pivotal role of data in decision-making, problem-solving, and innovation. The session featured practical demonstrations, illustrating real-world applications of data analytics. Vyasan J emphasized the growing demand for skilled professionals in this field and offered expert advice for those interested in pursuing a career in data analytics, providing a comprehensive and engaging learning experience.

The session concluded on a gracious note with a vote of thanks delivered by Ayana Sasi B, Secretary of IEEE SB RIET. As a token of appreciation, the speaker, Vyasan J, was presented with a memento, acknowledging the valuable time and expertise shared with the gathering.



## A TALK ON AI AND BEYOND: CONNECTING TECHNOLOGY WITH HUMAN POTENTIAL

IEEE SB RIET, in association with ITIHA 2025 conducted a talk session on "AI and Beyond: Connecting Technology with Human Potential" on 13-02-2025. The purpose of this talk is to provide awareness to the students regarding the 'Machine Learning & Deep Learning', 'AI's futuristic applications'. It was attended by first year students and second year students. Manupriya (Treasurer of IEEE SB RIET) welcomed the gathering and gave the introduction of guest. Mr. Habeeb Muhammad P, Mr. Arun Kumar KV, Mrs. Archana Ajith enlightened the students about the transformative power of Artificial Intelligence (AI) in unlocking human potential, fostering personal growth, education, and creativity. It highlights the need for human-centric AI, ethics, and responsible innovation to ensure AI-driven solutions promote social good, equality, and human well-being.

**AI AND BEYOND :**  
**CONNECTING TECHNOLOGY WITH HUMAN POTENTIAL**

**HABEEB MUHAMMAD P**  
SOFTWARE DEVELOPER  
AGILEINFOTECH

**ARUN VINAYAN**  
DATA SCIENTIST & AI ENGINEER  
AGILEINFOTECH

THURSDAY  
13th February

10.00am to 4.00pm

Rajadhani Institute of  
Engineering and Technology

REGISTER NOW

CONTACT US  
+919074429969  
+91 94950 04473

WWW.IEESBRIET.IN

IEEE SB RIET, in association with ITIHA 2025 conducted a talk session on "AI and Beyond: Connecting Technology with Human Potential" on 13-02-2025. The purpose of this talk is to provide awareness to the students regarding the 'Machine Learning & Deep Learning', 'AI's futuristic applications'. It was attended by first year students and second year students. Manupriya (Treasurer of IEEE SB RIET) welcomed the gathering and gave the introduction of guest. Mr. Habeeb Muhammad P, Mr. Arun Kumar KV, Mrs. Archana Ajith enlightened the students about the transformative power of Artificial Intelligence (AI) in unlocking human potential, fostering personal growth, education, and creativity. It highlights the need for human-centric AI, ethics, and responsible innovation to ensure AI-driven solutions promote social good, equality, and human well-being.

The topics discussed in detail were:  
Fundamentals of Machine Learning & Deep Learning.  
Image generation and prompt engineering Techniques.  
AI's futuristic applications.  
Concepts of CNN, ANN, and RNN.  
From the student feedback session about the talk, they mentioned that the talk was beneficial and informative. So many examples were discussed for better understanding and it was very interactive too. They suggested similar interactive sections for their knowledge upliftment.



## PLACEMENT TRAINING

A placement training program was conducted by **TALENTUS**, led by expert trainer **Mr. Roshan Roy Kattakayam**, to equip students with the necessary tools and competencies for successful campus placements. The primary aim was to develop **Knowledge, Skill, and Attitude** the core components required to thrive in any professional environment.



## INDUSTRIAL VISIT

### Infosys, Trivandrum

### UST Global, Trivandrum



The Department of Computer Science and Engineering organized a one-day industrial visit for first-year students to **Infosys** Trivandrum. The visit provided students with an invaluable opportunity to explore the world of technology in a leading IT company, gaining practical insights into the industry.

The Department of Computer Science and Engineering organized a one-day industrial visit for first-year students to **UST global**, Trivandrum. This visit provided a unique opportunity for students at different stages of their academic journey to witness firsthand the cutting-edge technologies and industry practices shaping the IT sector.


## ACHIEVEMENTS

RAJADHANI INSTITUTE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

**56 CSE TOPPERS**

**CONGRATULATIONS**







 NIMMI ABDUL NAZIR SGPA: 9.4	 AKHIL SANTHOSH SGPA: 8.57	 ASWANI V A SGPA: 8.46
 BECNY S SGPA: 8.39	 GOKUL PANKAJ SGPA: 8.22	 ADITHYA B SGPA: 8.11
 ANUSREE P SGPA: 7.93	 ZAYED SAVAD SGPA: 7.07	 PAVI SHANKAR SGPA: 7.02

COLLEGE CODE: RIE

*Congratulations*

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

TOPPERS B - Tech 54 KTU Results (Batch 2022 - 2026)

 SAJAN Y (SGPA - 8.73)	 ABHISHEK DEEPAK (SGPA - 8.64)	 NEFRAJ P V (SGPA - 8.55)
 SNEHA PRABHASHI (SGPA - 8.45)	 DONA ANN HEBY (SGPA - 8.23)	 MINHA A (SGPA - 8.14)
 M. MOHAMED YASEEN (SGPA - 8.08)	 SNEHA PRASAD B (SGPA - 8)	 BHAVISHYA S BIJU (SGPA - 8)

RAJADHANI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Attungal, Trivandrum. 0847077773/7025577773/7025077773/www.riet.edu.in

Department of Computer Science & Engineering

**53 CSE TOPPERS**

(2022 BATCH)

 NICOLE COLIN SGPA 8.55	 SAJAN Y SGPA 8.41	 SNEHA PRABHASHI SGPA 8.23
 DONA ANN HEBY SGPA 8.14	 NAJIM NAJIM AHMED SGPA 8.05	 BHAVISHYA S BIJU SGPA 8.05

*Congratulations*

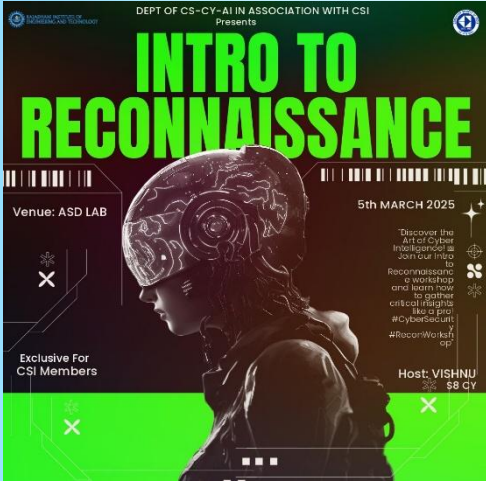
RAJADHANI INSTITUTE OF ENGINEERING AND TECHNOLOGY

APPROVED BY  
ACTE & AFFILIATED  
TO THE  
KALAM TECHNOLOGICAL  
UNIVERSITY

College Code : RIE

Made with PosterMyWall.com

## INTRO TO RECONNAISSANCE



A workshop titled **"Intro to Reconnaissance"** was conducted on **5th March, 2025** by the Department of CS-CY-AI in association with CSI at the ASD LAB, exclusive to CSI members. The HOD of Computer Science Department, Dr. Sangeetha Shibu inaugurated the Session with a brief about CSI club and its meaning. The session was hosted by Vishnu of S8 CY, who provided valuable insights into reconnaissance techniques used in cybersecurity.

Vishnu covered topics such as footprinting, active and passive reconnaissance, Google Dorking, exploit databases, CVEs, Shodan, subdomains, WHOIS, the Harvester, Google Earth, and DIRB. He demonstrated how attackers and security professionals gather information using OSINT techniques.

Two competition challenges were conducted:

1. Social Media Reconnaissance – Finding publicly available information using OSINT.

Winners of this Challenge: Daniel Isaac (S6,CY) & Irfan R.S (S6,CY)

2. Location Disclosure – Identifying a target's location using metadata and online clues.

Winner of this Challenge: Prakhar Sharma (S4,CSE)

## EDITORIAL BOARD



**Mr. ARUN S L**  
Asst. Professor



**Ms. Afreen Jenifer A**  
S4 CSE

