



# RAJADHANI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Rajadhani Hills, Nagaroor, Attingal, Thiruvananthapuram, Kerala 695102

## NEWSLETTER

Vol-1 (Nov 2024)

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 is my pleasure to present the 2024-25 Vol. 1 edition of the CSE Newsletter. This issue highlights the achievements, innovations, and academic progress of our students and faculty.

We continue to focus on research, creativity, and continuous learning in a rapidly evolving technological world. This edition reflects our dedication and recent activities within the department. I encourage everyone to contribute and stay actively engaged.

I hope this newsletter inspires and strengthens our spirit of excellence and collaboration.

### 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.

## Inauguration Function of RootRIET Community

The inauguration of the RootRIET Community was a proud and exciting moment for all involved. The event was honored by the presence of respected guests from the Cyber Cell, including CI Suresh Kumar, SI Santosh Kumar, Cop Rishad, Mr. Vishnu V., and Vishnu R. The program began with a warm welcome speech, followed by the promo launch by the Principal and the website launch by Dr. Sangeetha Shibu, the Head of the CSE Department. These moments marked the official start of the RootRIET Cyber Community. The guests delivered engaging talks on the theme “Emerging Threats in Cyber security and Real-Life Experiences,” sharing their knowledge and stories from their professional lives. The audience actively participated in an interactive Q&A session, making the event both informative and engaging. The program ended with a vote of thanks by the Deputy Lead of RootRIET and closing remarks by Mr. Jinu Raj, Assistant HoD of the CSE Department. The inauguration was a great success, setting a strong foundation for the community's future.



## 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.

**Objectives of the Training:-**

To **enhance technical and domain-specific knowledge** required for placement exams.

To **develop critical skills** such as aptitude, reasoning, communication, and coding.

To **cultivate a professional attitude**, boosting confidence, self-presentation, and team behavior.

To **prepare students** for interviews, group discussions, and corporate communication.



## YIP ORIENTATION SESSION

Department of Computer Science and Engineering of Rajadhani Institute of Engineering and Technology (RIET) organized the YIP Orientation Session. The orientation session was organized as part of the Youth Internship Program (YIP) to familiarize students with the program's objectives, expectations, and opportunities. The session aimed to equip participants with the knowledge and tools needed to make the most of their internship experience. The primary objectives of the session were:

To introduce students to the goals and structure of the YIP.

To outline the roles and responsibilities of interns.

To provide a platform for addressing student queries.

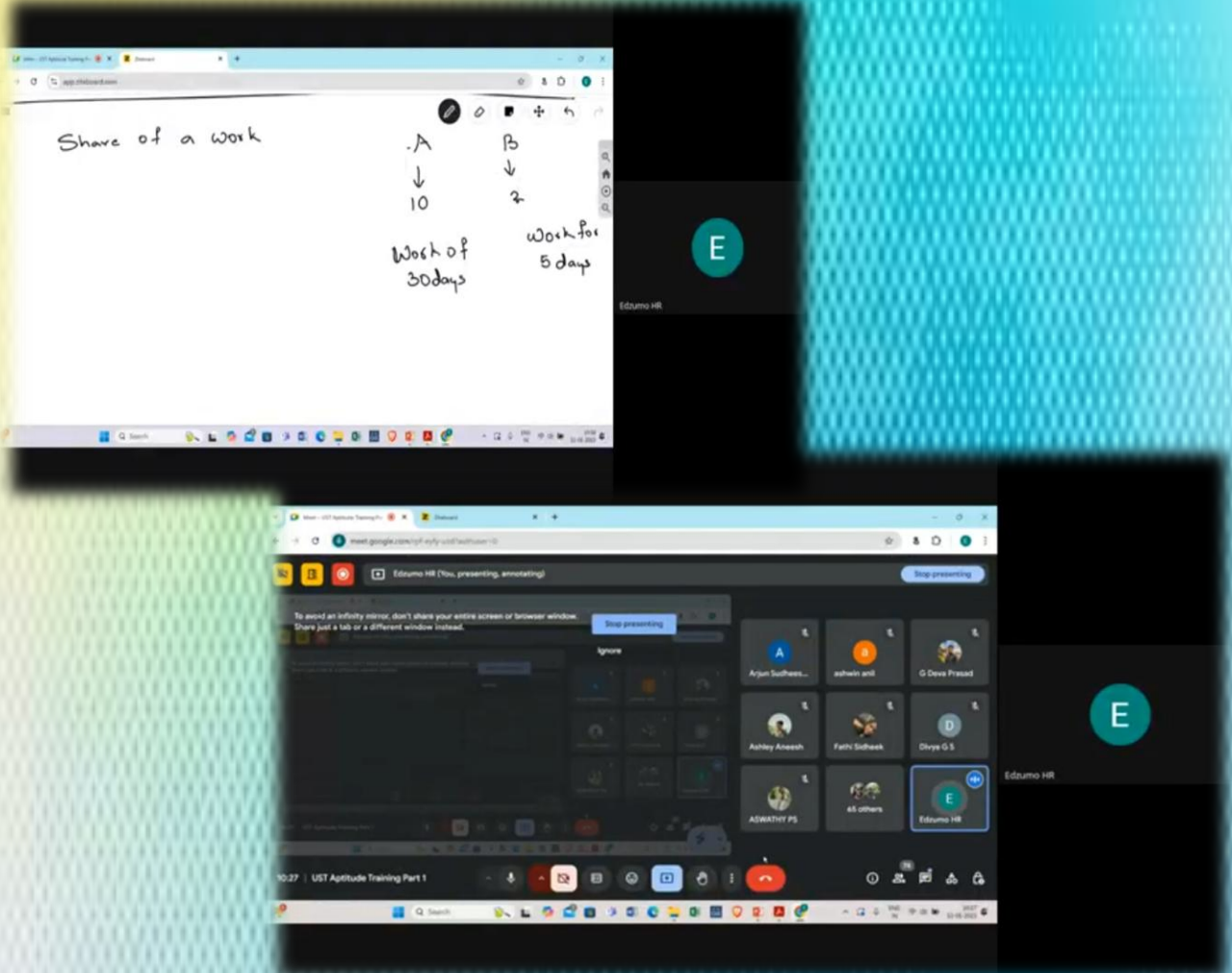
To encourage active participation and goal setting.

The first session commenced at 9 am for second year students. The afternoon session was conducted for third year students. The session was handled by Amarnath A J, our alumni and YIP Ambassador. The orientation session successfully set the stage for a productive and impactful internship program. Students left with a clear understanding of their roles, a sense of excitement, and confidence in their ability to contribute meaningfully to the YIP.



## ONLINE PLACEMENT TRAINING

The online placement training program was conducted with the aim of enhancing students' aptitude, reasoning, and verbal skills required for placement opportunities. The training sessions were divided into three parts, each focusing on a crucial aspect of placement preparation.



### **PART 1: UST Aptitude Training**

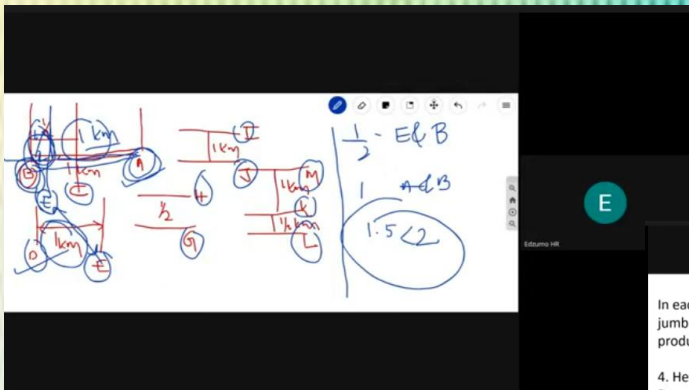
**Time:** 10:00 AM - 12:30 PM

**Trainer:** Mr Jinu Jacob

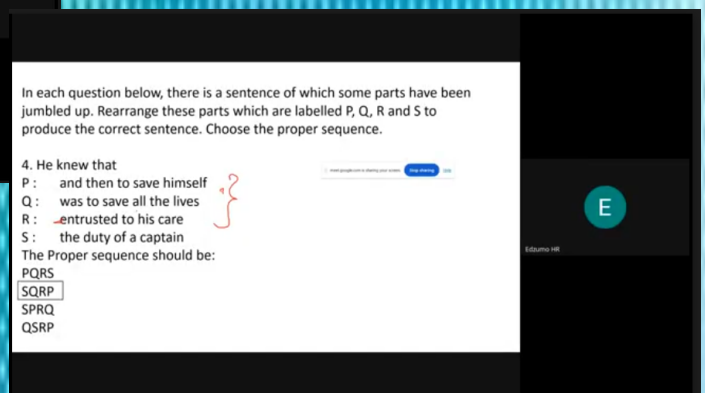
The session commenced with an in-depth training on aptitude skills, covering key areas such as numerical ability, data interpretation, and logical problem-solving techniques. The trainer, Jinu Jacob, provided detailed explanations and conducted live problem-solving exercises to help students grasp the concepts effectively. Participants were engaged in practice questions and mock tests to enhance their speed and accuracy.

**PART 2: UST Reasoning Training****Time:** 1:00 PM - 3:30 PM**Trainer:** Ms. Nimisha

The second session focused on reasoning skills, essential for placement exams and interviews. Trainer Nimisha covered various reasoning topics, including analytical reasoning, logical puzzles, and critical thinking exercises. Interactive problem-solving activities were conducted to help students improve their logical reasoning abilities. The session also included real-time question-solving strategies to enhance students' confidence in tackling reasoning questions effectively.

**PART 3: UST Verbal Training****Time:** 7:00 PM - 8:00 PM**Trainer:** Dr. Jayaram

The final session of the day concentrated on verbal ability and communication skills. Dr. Jayaram conducted an engaging session covering grammar, vocabulary, reading comprehension, and verbal reasoning. The session aimed at improving students' proficiency in the English language, which is crucial for placement tests and interviews. Participants were provided with practice exercises, and common errors were discussed to refine their language skills.



The online placement training program was highly beneficial for the participants, providing them with the necessary skills to excel in placement exams. The structured training sessions, led by experienced trainers, ensured that students gained a comprehensive understanding of aptitude, reasoning, and verbal skills. The interactive nature of the sessions encouraged active participation and learning, making the program a valuable experience for all attendees.

## WORKSHOP ON PYTHON FOR MACHINE LEARNING

A workshop on Python for Machine Learning was conducted by the Department of CS-CY-AI in association with CSI and Verveox at SDPK-LAB. The session offered a **beginner-friendly approach** to Python and machine learning concepts, providing **hands-on project work** and a **step-by-step learning experience** to enhance **problem-solving skills with data**.

63 Students took part in the workshop and gained knowledge through it.



Ms. Arya A R gave a thanking speech and thanked all the students and volunteers for making the workshop so successful and effective.

## EXPERT WORKSHOP ON NATURAL LANGUAGE PROCESSING (NLP)

The Department of Computer Science and Technology at Rajadhani Institute of Engineering and Technology (RIET), in association with FOSS RIET and ICFOSS, successfully conducted an Expert Workshop on Natural Language Processing (NLP) on March 10, 2025. This immersive session provided students and faculty with a deep dive into the world of AI - powered language technology and its real-world applications. The Guest Speakers and Resource Persons are Dr. Rajeev (Head of E-Governance & Training, ICFOSS), Ms Sneha T. G (Intern, ICFOSS), Mr Adithyakiran S (Intern, ICFOSS)

### Key Highlights:-

Expert-led sessions and hands-on training featuring engaging discussions on NLP fundamentals, machine learning models, and the impact of AI on language processing, along with interactive coding exercises and practical demonstrations using open-source NLP tools.

COLLEGE CODE  
RIE

NBA NAAC United Nations  
ACADEMIC EXCELLENCE ACADEMIC IMPACT

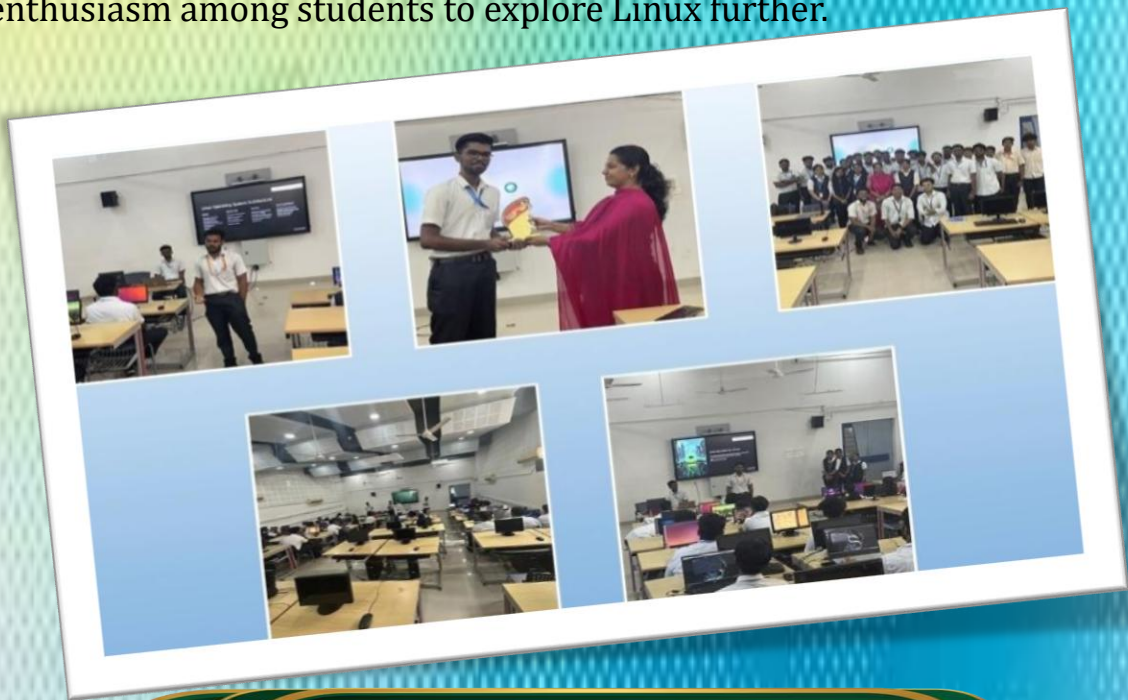
DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY  
WORKSHOP ON NLP

foss X ICFOSS

RAJADHANI INSTITUTE OF  
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Kerala, India 695102.

## UNLOCKING LINUX

The Computer Science Department of Rajadhani Institute of Engineering and Technology (RIET), in collaboration with FOSS and Root RIET, conducted a workshop titled "Unlocking Linux: Getting Familiar with Terminal". The session introduced students to the Linux ecosystem, covering its history, key contributors, and essential commands, with a hands-on approach to using the Linux terminal. Students from 1st and 2nd-year CSE, along with participants from Rajadhani Polytechnic, actively engaged in the session, clearing their doubts and gaining practical insights. The workshop was mentored by Sangeeth Satheesh (S6 Cyber) and Devaprasad (S8 Cyber), whose guidance made the session highly informative. As a token of appreciation, Lekshmi (Assistant Professor, CSE Department) honored Sangeeth Satheesh with a memento for his contribution. The event was a great success, sparking curiosity and enthusiasm among students to explore Linux further.



## EDITORIAL BOARD



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CSE



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