



RAJADHANI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Rajadhani Hills, Nagaroor, Attingal, Thiruvananthapuram, Kerala 695102

NEWSLETTER

Vol-2 (Mar 2023)

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 2022-23 Vol. 2 CSE Newsletter of Rajadhani Institute of Engineering & Technology. This edition highlights our achievements, innovations, and academic excellence. As technology evolves rapidly, we remain committed to research, creativity, and continuous learning. It reflects the dedication and hard work of our students and faculty. The newsletter also offers a glimpse into the vibrant academic and campus life at our institution.

I hope this newsletter inspires readers and encourages greater collaboration within our community.

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.

ALUMNI INTERACTION



Department of Computer Science and Engineering and IQAC of Rajadhani Institute of Engineering and Technology (RIET) have jointly organized an alumni talk on “Back to Campus”. The talk was conducted by Mr. Ashish Khuraishi K S, Software engineer in Navana. This session was conducted for B.Tech 3rd year students. A total of 43 students participated. Mr. Sharath had shared his way of studying and what should be done for getting placed. Students asked their doubts about higher studies and about jobs.



HANDS-ON TRAINING



Topic : Python Programming: Beginner to Advanced Level

The sessions were handled by Adityan Jayakumar, Lahmangaihzuala and Mayank D of S8 CSE in the SDPK Lab.

EXPERT TALK



Mr. ALEX THOMAS
Associate Director
Cloud Security Consulting AT EY



The class was handled by **Mr. Alex Thomas, Associate Director, Cyber Security Analyst, EY, Ernakulam**. The event mainly covered the concepts like phases, architecture, testing in security and what are the advantages of cloud in cyber security and so on. The program was conducted in the SDPK lab and was inaugurated by the Principal Dr Suresh Babu and Dr Sangeetha Shibu, Head of the Department, Computer Science & Engineering. After the class, A session was conducted to clarify students' doubts, later the program was ended with student's feedback and vote of thanks by Dr Sangeetha Shibu.

TECHNICAL TRAINING

Day 1

Resource Person : Mr. Sumith Sugathan

The first session commenced at 9 am. The area was an introduction to pseudocode. The trainer explained all scenarios of solving pseudocode problems. A session started with Coding fundamentals. The first day of training was concluded by 4pm. Questions on Loops, Functions and Arrays including previous questions asked for TCS were discussed. The session ended at 4pm.

Day 2

Resource Persons : Mr. Aswin P

Chandran, Mr. Sreekanth Gopinathan Sarojini. The second day started with the area of Advanced C Programming. The topics included Pointers and Storage classes. Previous questions for UST were included. They practiced coding questions of Level 2.

Day 3

Resource Person : Mr. Sumith Sugathan

For the third day, the area was Data structure and Advanced coding. Pseudo code questions in Data Structures were discussed. They practiced coding questions asked in Product-Based Companies. The training ended at 4pm after feedback sessions from students.



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WEB DEVELOPMENT

Department of Computer Science and Engineering IEEE Computer Society has jointly organized two days workshop on Web Development. Resource person for the session was Ms Aparna , Senior software Engineer PITS solutions PVT LTD. The main intention of this workshop was to create a knowledge on Front End Development (HTML & JavaScript) and Back end development (PHP) the workshop saw active participation from both IEEE and non-IEEE members. A diverse group of participants, including students and professionals from various backgrounds, joined the session to expand their web development skills.



Day 1:

Front-End Development (HTML & JavaScript)

• Session Highlights:

- Introduction to HTML: Structure of web pages, essential tags, and attributes.
- Hands-on session on creating simple web pages using HTML.
- Basics of JavaScript: Introduction to scripting, DOM manipulation, and interactivity in web pages.
- Practical exercises to enhance JavaScript skills.



WEB DEVELOPMENT

Workshop Sessions

Day 2: Back-End Development (PHP)

- **Session Highlights:**

- Introduction to PHP: Basics of PHP, server-side scripting, and database integration.
- Hands-on session on creating dynamic web pages and connecting them to databases.
- PHP syntax, functions, and debugging techniques.
- Real-world application examples of PHP in web development



DISCORD & NOTION



A white event poster with a rounded top. At the top, it features logos for Rajadhani Institute of Engineering and Technology, GDSC RIET, FOSS RIET, and TinkerHub RIET Trivandrum. Below the logos, it says 'Department of Computer Science & Cyber Security'. The main title is 'TINKERX#02' in a large, bold, black font, followed by 'DISCORD & NOTION' in a smaller font. On the left, there is a circular profile picture of Akash M Kumar with the text 'Session handled by Akash M Kumar Tech lead, TinkerHub RIET'. On the right, there are icons for Notion (a blue 'N' in a square) and Discord (a blue speech bubble with a white face). At the bottom left, there is a URL: 'https://bit.ly/DiscordNotion-Intro'. At the bottom right, there is a hashtag: '#tinkerxfridays'.



Department of Computer Science & Cyber Security Engineering and TinkerHub RIET have jointly organized a one day learning session on Discord & Notion on 31st March 2023. The event was handled by Akash M Kumar (S6 CSE) Tech Lead of TinkerHub RIET.

EDITORIAL BOARD



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Asst. Professor
CSE



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S6 CSE