



# RAJADHANI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Rajadhani Hills, Nagaroor, Attingal, Thiruvananthapuram, Kerala 695102

## NEWSLETTER

Vol-I (Nov 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 2023-24 Vol. 1 edition of the Department of Computer Science & Engineering Newsletter. This issue showcases the achievements, innovations, and academic excellence of our students and faculty. As technology continues to evolve, we remain committed to fostering creativity, research, and continuous learning. It reflects the dedication and hard work of our academic community. The newsletter also provides insights into emerging trends and activities within the department. I hope this newsletter inspires all readers and strengthens our spirit of collaboration and growth.

### 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.

## 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.

### Key Training Components:-

#### Knowledge Development

- Subject-matter insights tailored to students' academic backgrounds
- Latest placement patterns and company-specific expectations
- Industry insights and HR trends

#### Skill Enhancement

- **Aptitude & Logical Reasoning:** Problem-solving, quantitative aptitude, verbal reasoning
- **Technical Skills:** Programming fundamentals (C, C++, Java, Python), data structures
- **Communication Skills:** Group discussions, personal interviews, resume crafting

#### Attitude Building

- Motivation and goal setting
- Confidence-building exercises
- Professional ethics and time management
- Team collaboration and leadership skills and placement preparation



## DISCORD &amp; NOTION

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



## 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. AN 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.

A banner for a 3-day technical training session. The banner includes the college code RIE, the department name "DEPARTMENT OF COMPUTER SCIENCE &amp; ENGINEERING", and the title "3 Days Technical Training". It features two portraits of the resource person, Mr. Sumith Sugathan, and a collage of photos showing students and staff in a computer lab. The banner also includes accreditation logos for NRI, NAAC, and United Nations Academic Impact. At the bottom, it provides the name of the institution, "RAJADHANI INSTITUTE OF ENGINEERING AND TECHNOLOGY", and contact information: "Attungal, Trivandrum/9847077773/7025577773/7025077773/www.riet.edu.in".

## TECHNICAL TRAINING

## 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.

Participants gained a deeper understanding of Advanced C Programming concepts, particularly pointers and storage classes. They became familiar with the pattern of previous UST exam questions and improved their problem-solving abilities by practicing Level-2 coding challenges. The session enhanced their confidence in tackling technical assessments and strengthened their core programming skills.

## 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.

COLLEGE CODE  
RIE

DEPARTMENT OF  
COMPUTER SCIENCE & ENGINEERING  
**3 Days Technical Training**

BEA Labs NBA NAAC United Nations Academic Impact

RAJADHANI INSTITUTE OF  
ENGINEERING AND TECHNOLOGY

Attingal, Trivandrum / 9847077773 / 7025577773 / 7025077773 / www.riet.edu.in

**TECHNICAL TRAINING****Day 1**

Resource Person : Aswin P Chandran

The first session commenced at 9 am. The area was an introduction to pseudo code . The trainer explained all scenarios of solving pseudocode problems. Afternoon 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 Person : Ms. Nishana S. S

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**

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COLLEGE CODE  
RIE

DEPARTMENT OF  
COMPUTER SCIENCE & ENGINEERING  
**3 Days Technical Training**



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## TEAM BUILDING WORKSHOP

The Department of Computer Science and Engineering, in collaboration with the IEEE Computer Society, organized a one-day workshop on **Leadership and Team Building**. This workshop was designed to enhance the leadership skills and teamwork abilities of participants, preparing them to take on leadership roles in academic, professional, and community settings. The session was conducted by **Ms. Jithin K Jose**, Chair of the **Membership Development Committee, IEEE Kerala Section**. With her extensive experience in leadership and team management, Ms. Jithin provided valuable guidance on how to be an effective leader and build cohesive teams. Her approach was interactive, engaging participants through real-world examples, discussions, and exercises.

The workshop saw enthusiastic participation from students, faculty, and professionals, both from IEEE and non-IEEE backgrounds. The diverse group allowed for the sharing of a variety of perspectives and experiences, enriching the overall learning experience.



## WORKSHOP

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) he 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.



### Workshop Sessions

#### Day 1: Front-End Development

##### 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.

#### 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.

**RAJADHANI INSTITUTE**  
ENGINEERING AND TECHNOLOGY  
Attingal, Trivandrum

Department Of Computer Science & Engineering  
Workshop On:  
**WEB DEVELOPMENT**

IEEE  
COMPUTER  
SOCIETY

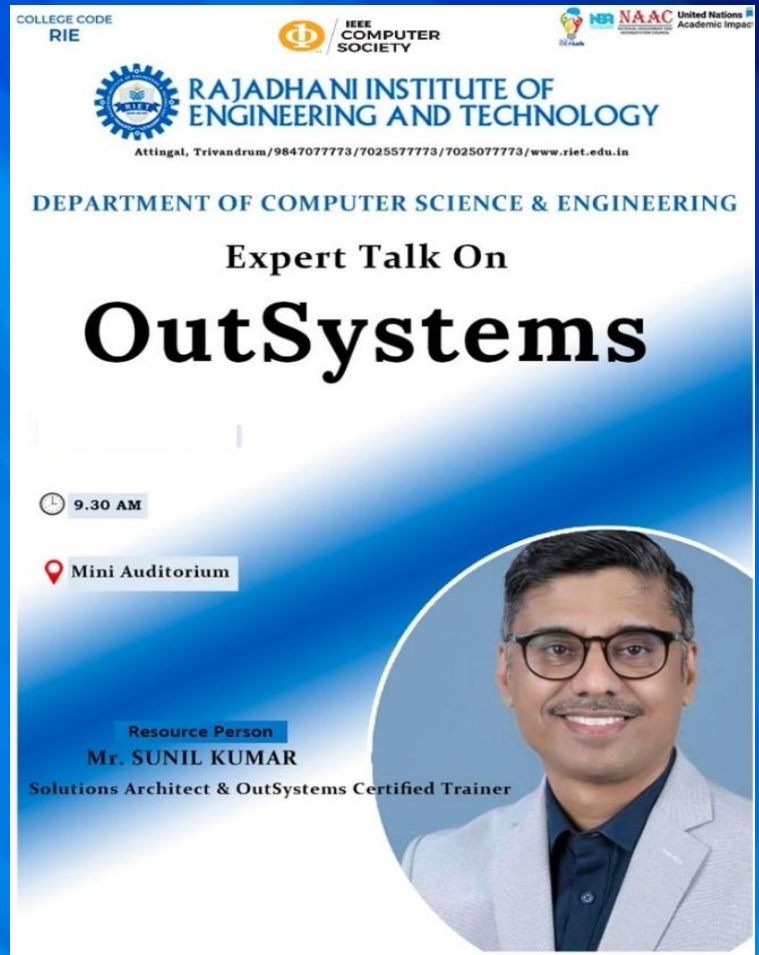
SDPK Lab

Resource Person:  
**APARNA B**  
Senior Software Engineer, PIT Solutions Pvt. Ltd.

Venue: SDPK Lab

## EXPERT TALK

The Department of Computer Science and Engineering, in collaboration with the IEEE Computer Society, organized an expert talk on **OutSystems**, a leading low-code application development platform. The session aimed to provide participants with a deep understanding of the OutSystems platform, its features, and its applications in modern software development. The expert talk was conducted by **Mr. Sunil Kumar**, a **Solutions Architect** and **OutSystems Certified Trainer**. With his extensive experience in enterprise software development and low-code solutions, Mr. Sunil provided valuable insights into the OutSystems platform, sharing his expertise on its features, functionalities, and practical applications. The session attracted a diverse group of participants, including students, faculty members, and professionals from both IEEE and non-IEEE backgrounds. The talk provided an excellent opportunity for participants to gain exposure to an emerging technology that is shaping the future of software development.



COLLEGE CODE  
RIE

IEEE COMPUTER SOCIETY

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Expert Talk On  
**OutSystems**

9.30 AM

Mini Auditorium

Resource Person  
**Mr. SUNIL KUMAR**  
Solutions Architect & OutSystems Certified Trainer



## EDITORIAL BOARD



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Asst. Professor  
CSE



**Mr. AKHIL SANTHOSH**  
S5 CSE