



# NEWS LETTER

## DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY

VOL-2(MAR-26)



### 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, AND 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

#### PROGRAM EDUCATIONAL OBJECTIVES(PEOS)

- 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 TEAM WORK, 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.
- PSO 2 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.



### DR. SANGEETHA SHIBU

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

### REMARKS FROM HOD

I AM DELIGHTED TO SEE THE ENTHUSIASM AND TALENT OF OUR STUDENTS SHOWCASED THROUGH THIS MAGAZINE. SUCH INITIATIVES ENCOURAGE CREATIVITY, TECHNICAL THINKING, AND TEAMWORK AMONG STUDENTS. I APPRECIATE THE EFFORTS OF THE EDITORIAL TEAM FOR THEIR DEDICATION AND HARD WORK IN MAKING THIS PUBLICATION POSSIBLE. MAY THIS MAGAZINE INSPIRE STUDENTS TO CONTINUE EXPLORING NEW IDEAS AND ACHIEVING EXCELLENCE IN THEIR ACADEMIC JOURNEY.

## Data Analytics Workshop BY CSI



**The Data Analytics Workshop, organized by the CSI student chapter and the Department of Computer Science and Engineering, took place on March 5 at the SDPK Lab. Running from 9:30 AM to 3:10 PM, the session was designed to give students a comprehensive introduction to the rapidly growing field of data science. The curriculum covered the entire data analytics workflow, taking participants from the initial stages of understanding and preprocessing raw datasets to the final steps of visualizing data and extracting actionable insights for industry applications.**

**Aim: To introduce students to the fundamentals of data analytics, enhance analytical thinking, provide hands-on exposure to tools, and encourage exploration of the data science field.**

**Key Topics: \* Introduction to Data Analytics and its real-world applications (business, healthcare, finance, tech).**

- Understanding datasets and the data preprocessing workflow.
- Basics of data visualization.
- Introduction to commonly used analytics tools.
- Practical demonstrations of analyzing sample datasets to identify patterns.

**Course Outcomes: The workshop successfully mapped to foundational goals, including understanding the analytics workflow (CO1), gaining exposure to analysis tools (CO2), developing problem-solving skills using datasets (CO3), and exploring career opportunities in data science (CO4)**

# NAVIGATING THE DIGITAL SHIELD: A SEMINAR ON ENTERPRISE SECURITY

19 JANUARY, 2026

The Department of Computer Science and Engineering at Rajadhani Institute of Engineering and Technology (RIET) successfully hosted a technical seminar titled "Introduction to Enterprise Security" on January 19, 2026. Held at the Lobby Seminar Hall, the event aimed to bridge the gap between academic theory and the rapidly evolving world of corporate cybersecurity. The session provided a deep dive into the "Digital Shield," offering students a comprehensive look at the strategies, frameworks, and best practices used by global organizations to protect their data assets. The turnout was exceptional, with students from the CSE department engaging actively in discussions regarding the future of network defense and information integrity.



Beyond the technical configurations and firewall protocols discussed, the seminar served as a powerful reminder of the ethical responsibility that comes with being a modern technologist. Students left the hall not just with new knowledge of "Enterprise Security," but with a clearer vision of the career paths available within the global consulting landscape. As the session drew to a close, the energy in the room made it clear that the next generation of RIET engineers is ready to build a more secure digital future.



The highlight of the event was the keynote address by Mr. Sujith S Pillai, Assistant Director of InfoSec Consulting at EY. Drawing from his extensive experience at one of the world's leading professional services firms, Mr. Pillai captivated the audience with real-world case studies and the current industry standards for enterprise-level security. His insights moved beyond basic concepts, touching upon the sophisticated nature of modern cyber threats and the high demand for skilled professionals in the InfoSec domain. The event concluded with a formal memento presentation to the speaker, marking a significant milestone in the department's initiative to provide industry-aligned exposure to its budding engineers.



# CAREER & Industry Readiness

January 21, 2026

## THE SEMINAR OVERVIEW

On January 21, 2026, the Department of Computer Science & Engineering at RIET organized an impactful industry-oriented talk titled "Career & Industry Readiness". Conducted at the SDPK Lab, the session was specifically designed for students of Computer Science and Cyber Security to help bridge the gap between academic learning and professional requirements.



The session featured Mr. Sudheesh Suresh, a Senior Software Engineer at Treanser Technology Solutions (P) Ltd., as the resource person. Drawing from his real-world industry experience, Mr. Suresh provided deep insights into what modern companies look for in fresh graduates, emphasizing the importance of adaptability, teamwork, and problem-solving abilities alongside technical competence. He guided the students through the nuances of career planning, helping them understand how to set realistic goals and align their current academic efforts with the high standards of the global software industry.

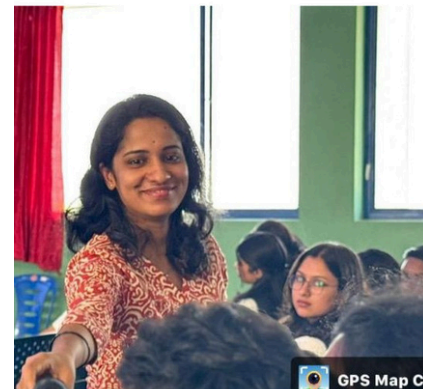
The impact of the talk was evident as students reported improved clarity regarding their future career paths and the specific skills they need to cultivate. Beyond just technical expertise, the session highlighted the critical role of discipline, consistency, and a professional attitude in achieving long-term growth. As the program concluded with an interactive feedback session, it was clear that the insights shared had successfully motivated the next generation of engineers to strive for both technical excellence and professional maturity.

# Expert Talk on IoT Security



The session was led by Ms. Leeba Merin Sam, a distinguished Cyber Security Engineer from the Kerala State Audit Advisory Council (KSAAC) and Digital University Kerala. As an expert educator and trainer, Ms. Sam provided students with invaluable insights into emerging trends and defensive strategies within the cybersecurity landscape.

The interactive nature of the talk allowed students to engage directly with industry-standard practices, moving beyond theoretical models to understand the lived reality of a cybersecurity professional. The session successfully empowered attendees with the knowledge to identify and mitigate risks in the IoT domain, reinforcing RIET's commitment to producing industry-ready graduates.



## The Seminar Overview

The Department of Computer Science and Engineering (Cyber Security) at Rajadhani Institute of Engineering and Technology (RIET) organized a high-impact Expert Talk focusing on IoT Security on February 13, 2026. The session, held at the 8th Floor Auditorium, was designed to provide students with a deep dive into the security challenges presented by the rapidly expanding Internet of Things (IoT) ecosystem.



# AGENTIC AI - WORKSHOP ON BUILDING AUTONOMOUS AI SYSTEMS



## The Workshop Overview

On December 18, 2025, the Department of Computer Science and Engineering (AI & ML) at Rajadhani Institute of Engineering and Technology hosted a specialized workshop titled "Agentic AI - Workshop on Building Autonomous AI Systems". Held at the SDPK Lab, the program was designed to introduce students to the next frontier of Artificial Intelligence—moving beyond simple generative models toward autonomous agents capable of independent reasoning and action.

The session aimed to deepen students' understanding of agent-based architectures and provide the practical skills necessary to navigate the transition from predictive to agentic technology.

The workshop featured two peer-led technical sessions delivered by 3rd-year AI & ML students, Meenakshi D.R. and Devanarayanan S.. Meenakshi opened with a foundational look at the evolution of AI and its modern applications, while Devanarayanan provided an in-depth technical analysis of agent architecture—specifically the "Perceive, Reason, Act, Learn" cycle—and the differences between single-agent and multi-agent systems. Their combined expertise helped participants build a strong conceptual bridge between theoretical AI concepts and real-world autonomous workflows.



A core highlight of the event was the interactive hands-on session using the n8n automation platform. Under the guidance of the student mentors, participants successfully built autonomous workflows, including an automated task reminder system and a registration form workflow using the n8n cloud. This practical exposure allowed students to witness firsthand how event-driven AI systems can operate with minimal human intervention. The workshop concluded with highly positive feedback, leaving participants motivated to explore innovative automation projects and pursue further research in the field of autonomous decision-making systems.

# HANDS-ON WORKSHOP ON "VIBE CODING"

## The Workshop Overview

On January 23, 2026, the Department of Computer Science and Engineering at Rajadhani Institute of Engineering and Technology (RIET) conducted an innovative hands-on workshop titled "Vibe Coding". Held in the SDPK Lab, this session was designed to introduce students to contemporary approaches in software development that prioritize workflow fluidity, modern environment setups, and high-level productivity. The workshop aimed to move beyond traditional syntax-heavy learning, focusing instead on the "vibe" or the overall experience of building software in an increasingly automated and AI-enhanced landscape.



The technical session was led by Mr. Arundev Vamadevan, a distinguished Associate Faculty Lecturer and Research Supervisor from the School of Computing, National College of Ireland. Mr. Vamadevan brought a unique international perspective to the lab, sharing insights into how global development standards are shifting towards more intuitive and "vibe-centric" coding practices. His expertise helped students understand how to curate their development environments and mental frameworks to foster better creativity and efficiency in their coding projects.



During the practical segment of the workshop, students actively engaged in setting up modern development stacks and exploring tools that align with the Vibe Coding philosophy. The session was highly interactive, featuring live demonstrations and collaborative problem-solving that allowed participants to witness the immediate benefits of optimized workflows. By the end of the day, students gained a fresh perspective on how to approach programming as a craft that balances deep technical knowledge with an efficient, modern aesthetic. The event concluded with positive feedback, highlighting RIET's dedication to keeping its students at the forefront of global tech trends.

