

# NEWS LETTER DECEMBER 2025- DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS

## WEBINAR ON APPLIED DESIGN THINKING”

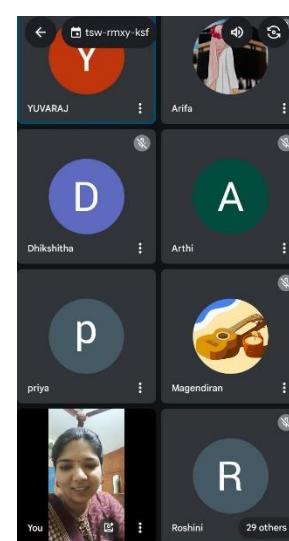
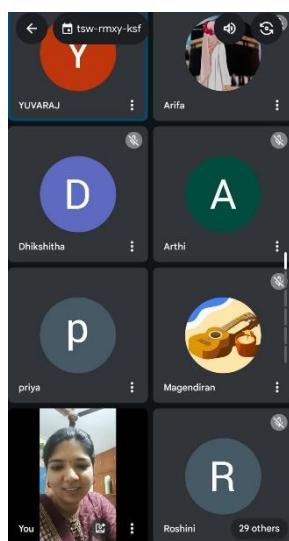
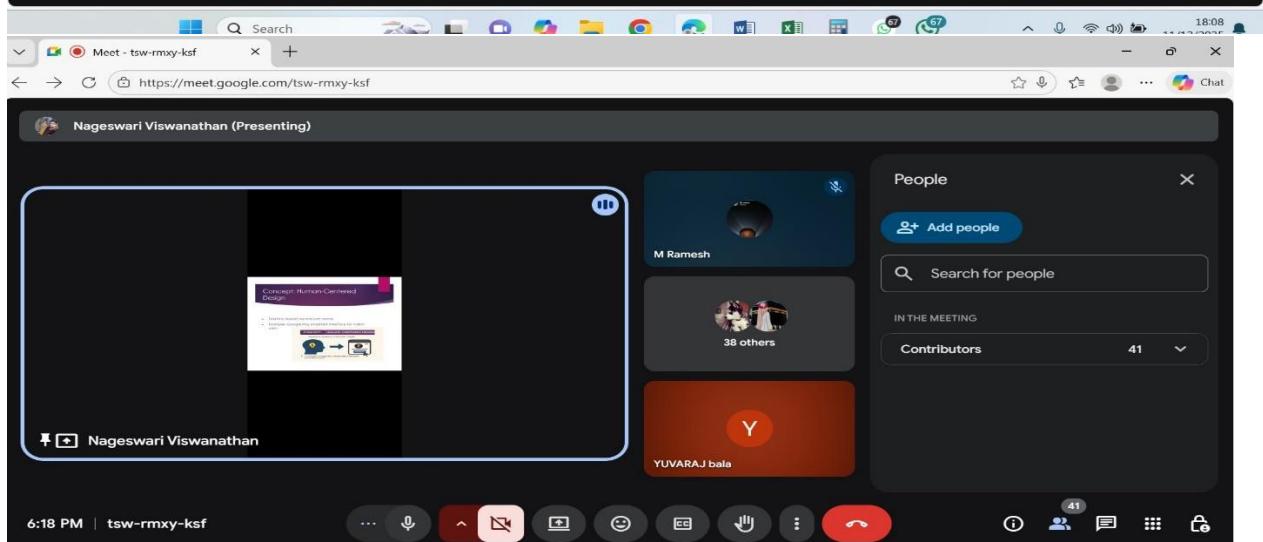
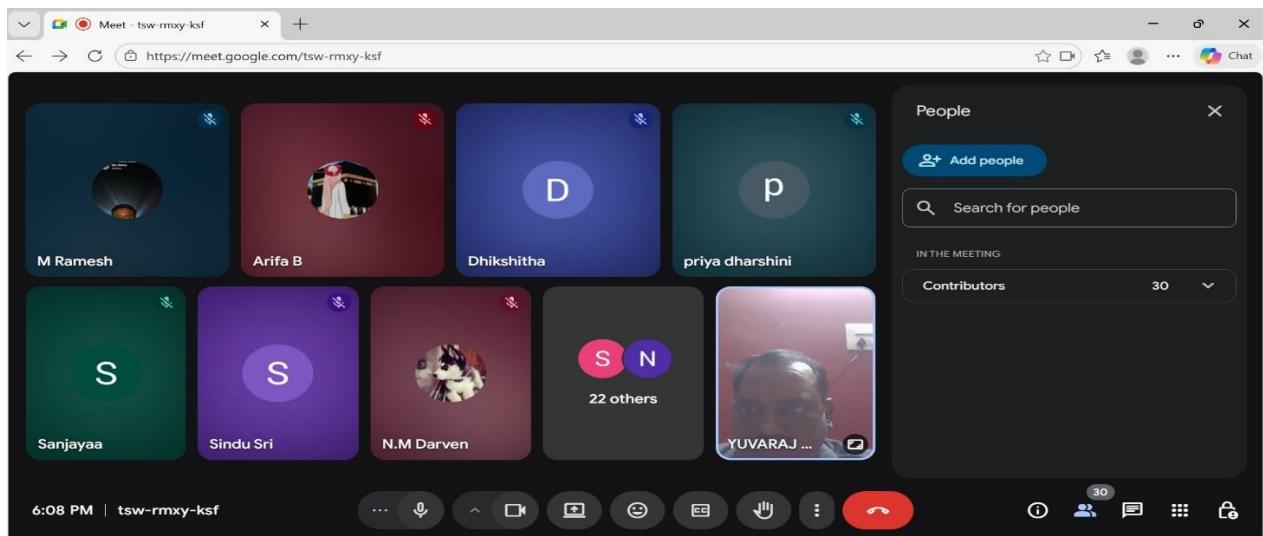
The Department of Computer Science and Business Systems (CSBS), Jeppiaar Institute of Technology, organized a virtual webinar on “Applied Design Thinking” on 11th December 2025 from 6:00 PM to 7:00 PM. The webinar aimed to expose students to innovative problem-solving approaches and encourage creative thinking through design-based methodologies. The event provided an excellent platform for students to understand how design thinking plays a vital role in solving real-world challenges in technology and business systems.

### Resource Person

The session was handled by **Ms. Nageswari V**, Assistant Professor, Panimalar Engineering College. She is an experienced academician with expertise in innovative teaching methodologies and problem-solving frameworks. Her session offered valuable insights into applying design thinking concepts in engineering education, industry applications, and entrepreneurial initiatives, making the webinar both informative and engaging.







## **Acknowledgement**

The Department of Computer Science and Business Systems expresses its sincere gratitude to **Dr. N. Marie Wilson**, Chairman, for her unwavering support and encouragement. We extend our heartfelt thanks to **Dr. J. Venu Gopalakrishnan**, Principal, for his valuable guidance and motivation.

We gratefully acknowledge **Ms. Nageswari V**, Assistant Professor, Panimalar Engineering College, for sharing her expertise and delivering an insightful session on Applied Design Thinking.

Our sincere thanks to **Mr. B. Yuvaraj, M.E., (Ph.D.)**, Head of the Department, CSBS, for his leadership and coordination. Special appreciation is extended to **Mr. Ramesh**, Assistant Professor, Staff Coordinator, and **Mr. Uchim Akali S**, III Year CSBS, Student Coordinator, for their dedicated efforts. We also thank all the participants for their active involvement, which contributed to the success of the webinar.

## WEBINAR ON “A PRACTICAL APPROACH TO NATURAL LANGUAGE PROCESSING”

### Introduction

The Department of Computer Science and Business Systems (CSBS), Jeppiaar Institute of Technology, organized a webinar on “A Practical Approach to Natural Language Processing” on **16th December 2025**, from **7:00 PM to 8:00 PM**. The webinar aimed to provide students with foundational and practical insights into Natural Language Processing (NLP), an emerging field of Artificial Intelligence that enables machines to understand and process human language. The session served as an effective platform for students to explore real-world NLP applications and industry-oriented practices.

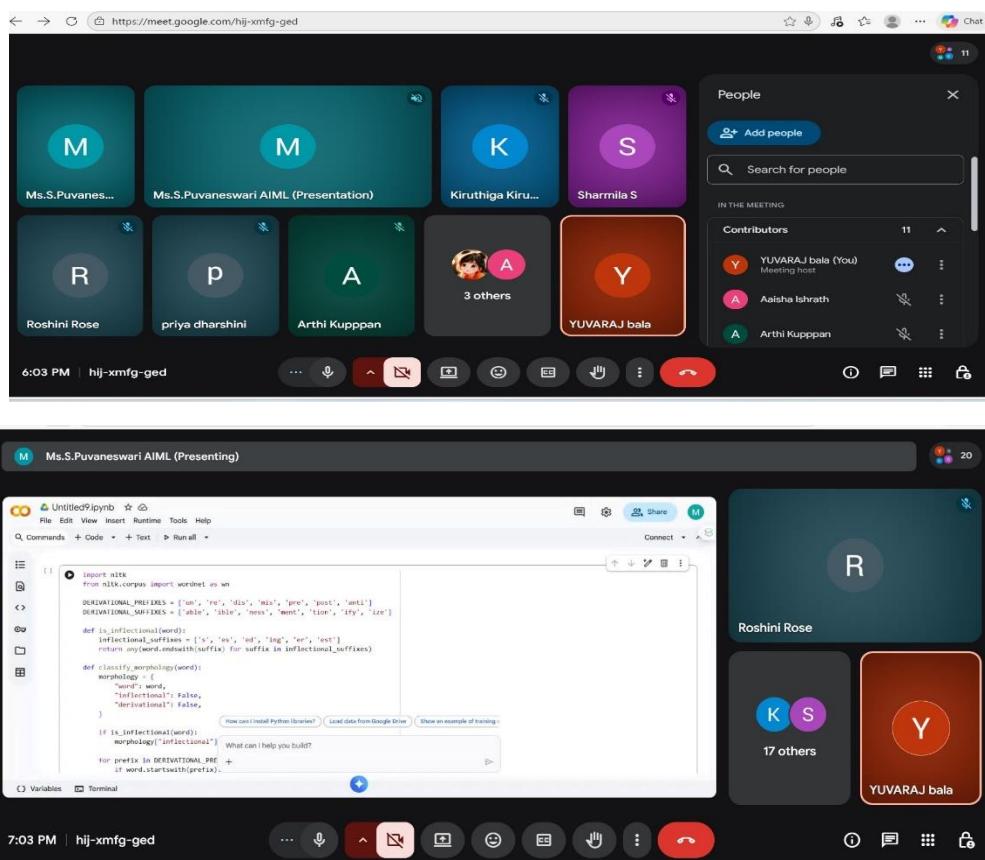


## Resource Person

The webinar was hosted by **Mrs. S. Puvaneshwari, M.E, Assistant Professor, CSE (AIML), Saranathan College of Engineering, Trichy**. She is an experienced academician with expertise in Artificial Intelligence and Machine Learning. Her session focused on bridging theoretical concepts with practical implementation, enabling students to understand how NLP techniques are applied in real-time applications such as chatbots, sentiment analysis, text classification, and language translation.

## Objective of the Webinar

The primary objective of the webinar was to introduce students to the **fundamentals and practical aspects of Natural Language Processing**. The session aimed to enhance students' understanding of NLP workflows, tools, and real-world use cases, while encouraging them to explore AI-driven language technologies. The webinar also focused on strengthening students' analytical skills and preparing them for industry and research opportunities in the field of AI and NLP.



## Webinar Highlights

- Conducted successfully in **online mode** on **16th December 2025**.
- Introduction to the **basics of Natural Language Processing** and its importance in Artificial Intelligence.
- Explanation of NLP concepts such as **tokenization, text preprocessing, feature extraction, and model building**.
- Discussion on practical applications including **chatbots, sentiment analysis, speech recognition, and machine translation**.
- Interactive session that encouraged student participation and knowledge sharing.
- Students gained valuable insights into industry-relevant NLP tools and techniques.

## Acknowledgement

The Department of Computer Science and Business Systems extends its sincere gratitude to **Dr. N. Marie Wilson**, Chairman, for her continuous support and encouragement. We express our heartfelt thanks to **Dr. J. Venu Gopalakrishnan**, Principal, and **Dr. S. Shenbaga Ezhil**, IQAC Director, for their valuable guidance and motivation in organizing the webinar.

We gratefully acknowledge **Mrs. S. Puvaneshwari**, Assistant Professor, Saranathan College of Engineering, Trichy, for delivering an informative and engaging session on Natural Language Processing.

Our sincere appreciation goes to **Mr. B. Yuvaraj, M.E., MBA, (Ph.D.)**, Head of the Department, CSBS, for his leadership and coordination. Special thanks to the **Faculty Coordinators, Mrs. S. Hemalatha, M.E., (Ph.D.) and Mr. M. Ramesh, M.E.**, for their dedicated efforts. We also thank all the participants for their enthusiastic involvement, which contributed to the success of the webinar.

## WEBINAR ON “DEEP LEARNING”

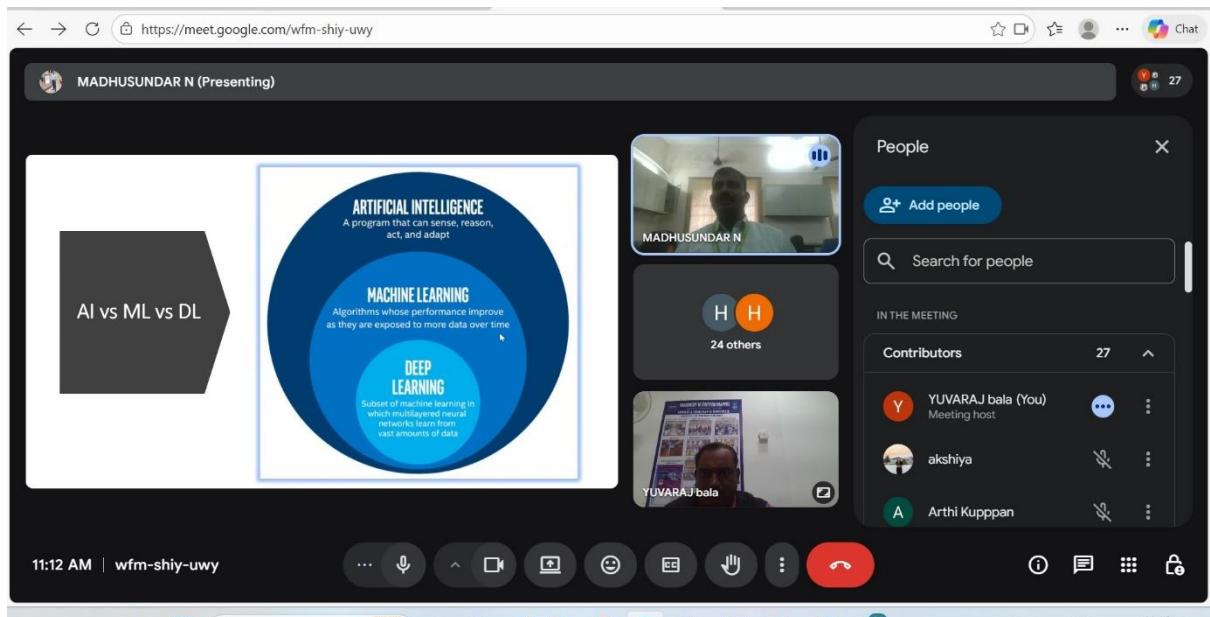
### Introduction

The Department of Computer Science and Business Systems (CSBS), Jeppiaar Institute of Technology, organized a Webinar for Deep Learning on **17th December 2025**, from **10:30 AM to 11:30 AM**, at **LH-3, First Floor**. The webinar was conducted to provide students with insights into deep learning concepts and their applications in modern computing systems. The event aimed to bridge the gap between theoretical knowledge and practical understanding of advanced machine learning techniques.



## Resource Person

The webinar was delivered by **Dr. N. Madhusundar, Ph.D., Associate Professor, SIMATS Engineering, Saveetha Institute of Technical and Medical Sciences**. He is a distinguished academician with expertise in Machine Learning and Deep Learning. His session focused on explaining core deep learning concepts, algorithms, and real-world applications, offering students valuable exposure to current trends and research directions in artificial intelligence.



AI vs ML vs DL

ARTIFICIAL INTELLIGENCE  
A program that can sense, reason, act, and adapt

MACHINE LEARNING  
Algorithms whose performance improve as they are exposed to more data over time

DEEP LEARNING  
Subset of machine learning in which multilayered neural networks learn from vast amounts of data

11:12 AM | wfm-shiy-uwy

People

Add people

Search for people

IN THE MEETING

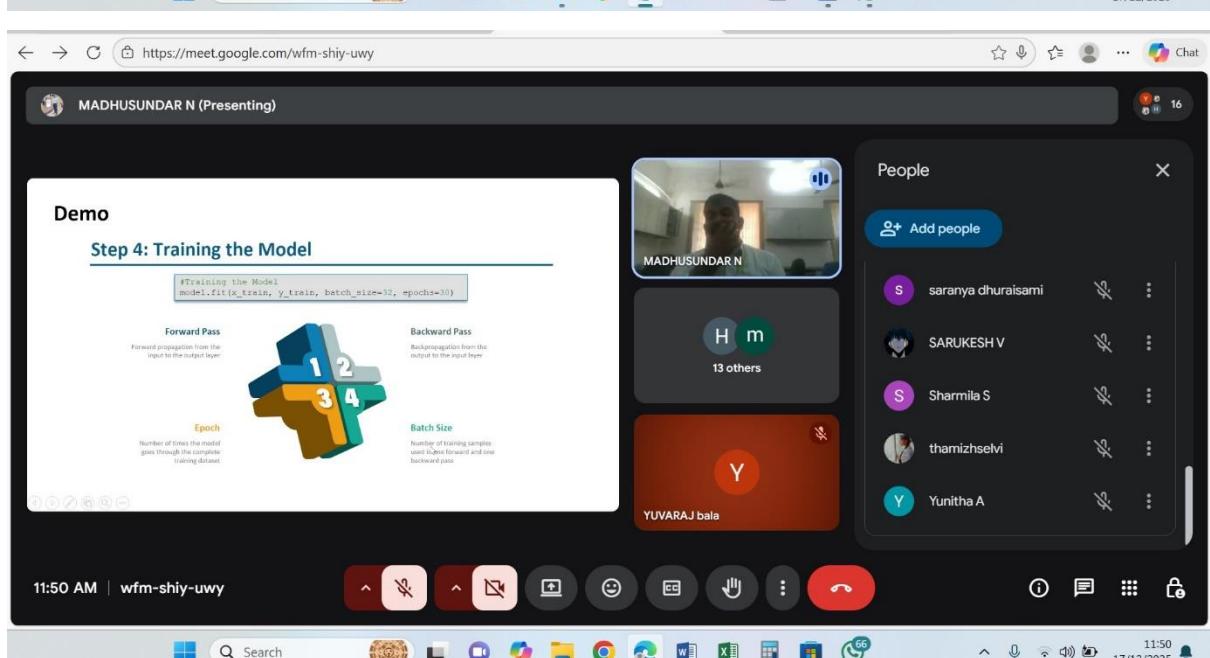
Contributors 27

YUVARAJ bala (You) Meeting host

akshiya

Arthi Kuppan

11:12 17/12/2025

Demo

Step 4: Training the Model

```
#Training the Model
model.fit(x_train, y_train, batch_size=12, epochs=10)
```

Forward Pass  
Forward propagation from the input to the output layer

Backward Pass  
Backpropagation from the output to the input layer

Epoch  
Number of times the model goes through the complete training dataset

Batch Size  
Number of training samples used in one forward and one backward pass

11:50 AM | wfm-shiy-uwy

People

Add people

saranya dhuraisami

SARUKESH V

Sharmila S

themizhselvi

Yunitha A

11:50 17/12/2025

## Objective of the Webinar

The primary objective of the webinar was to introduce students to the **fundamentals and applications of Deep Learning**. The session aimed to enhance students' understanding of neural networks, learning models, and data-driven decision-making. It also sought to motivate students to explore advanced AI technologies for academic research, projects, and industry-oriented solutions.

## Webinar Highlights

- The webinar was conducted on **17th December 2025** at **LH-3**, First Floor.
- Detailed explanation of **Deep Learning concepts** and their significance in Artificial Intelligence.
- Discussion on **neural networks, algorithms, and learning models**.
- Real-world use cases highlighting applications in **image processing, pattern recognition, and intelligent systems**.
- Interactive session that encouraged student participation and conceptual clarity.
- Students gained practical insights into the scope and future prospects of deep learning technologies.

## Acknowledgement

The Department of Computer Science and Business Systems expresses its sincere gratitude to **Dr. N. Marie Wilson**, Chairman, for her constant support and encouragement. We extend our heartfelt thanks to **Dr. J. Venu Gopalakrishnan**, Principal, and **Dr. S. Shenbaga Ezhil**, IQAC Director, for their valuable guidance and motivation.

We sincerely thank **Dr. N. Madhusundar**, Associate Professor, SIMATS Engineering, Saveetha Institute of Technical and Medical Sciences, for delivering an informative and inspiring session on Deep Learning.

Our special appreciation goes to **Mr. B. Yuvaraj, M.E., MBA, (Ph.D.)**, Head of the Department, CSBS, for his leadership and coordination. We also acknowledge the efforts of the **Faculty Coordinators, Mrs. S. Hemalatha, M.E., (Ph.D.) and Mr. M. Ramesh, M.E.**, for their dedicated organization of the event. Finally, we thank all the participants for their active involvement, which made the webinar a great success.

## WEBINAR ON “INNOVATION OF FIREMON NETWORK SECURITY TOOL”

### Introduction

The Department of Computer Science and Business Systems (CSBS), Jeppiaar Institute of Technology, organized a virtual technical webinar on “Innovation of FireMon Network Security Tool” on **18th December 2025**, from **9:30 AM to 10:30 AM**. The webinar aimed to provide students with industry-oriented knowledge on modern network security tools and practices. The session highlighted the growing importance of cybersecurity and network monitoring in today’s digital ecosystem.

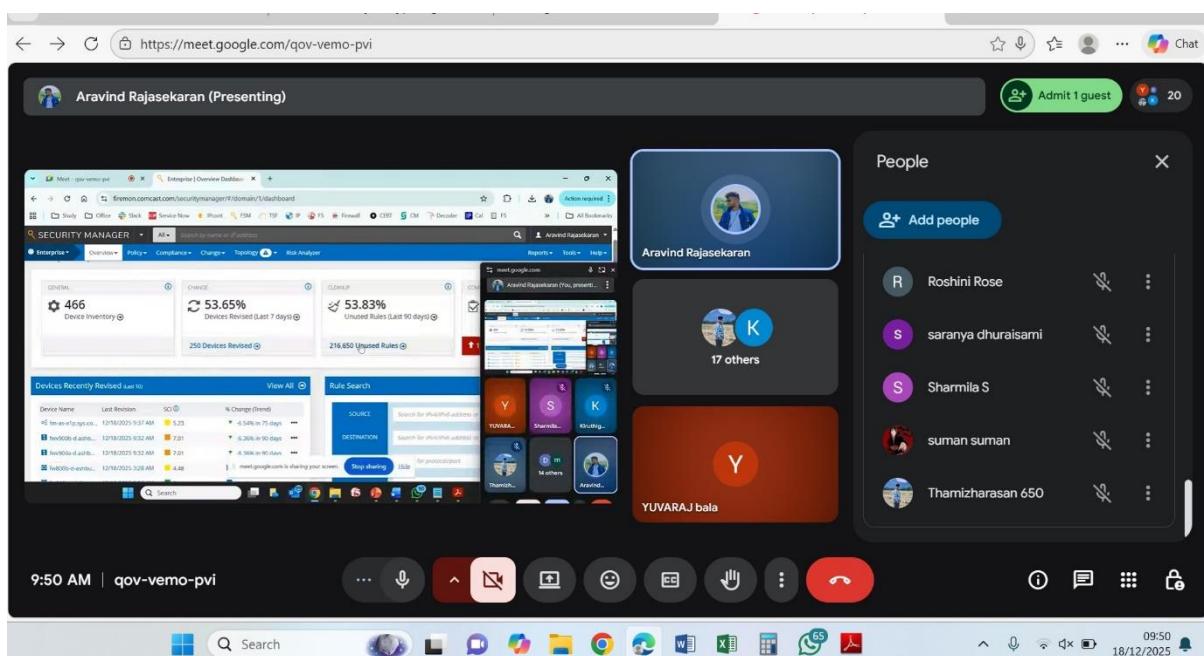
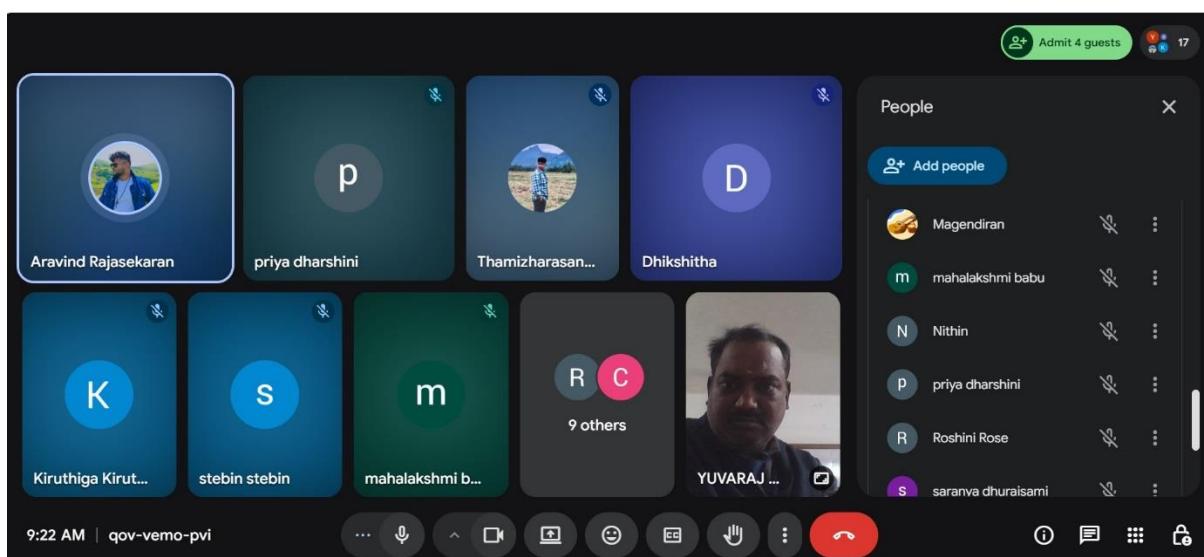
### Resource Person

The session was handled by **Mr. Aravind Rajasekaran, B.Tech, IT Security Architect, Comcast India Engineering Center**. With strong industry experience in network security and IT infrastructure, the resource person shared valuable insights into the **FireMon Network Security Tool**, its architecture, real-time monitoring capabilities, and role in managing enterprise-level security policies. His practical approach helped students understand real-world security challenges and solutions.



## Objective of the Webinar

The primary objective of the webinar was to create awareness among students about **network security management and monitoring tools** used in the industry. The session aimed to enhance students' understanding of cybersecurity frameworks, firewall policy management, and risk mitigation strategies. It also encouraged students to explore career opportunities and industry practices in the field of **cybersecurity and network security**.



## Webinar Highlights

- ✓ Conducted in **virtual mode** on **18th December 2025**.
- ✓ Introduction to **FireMon Network Security Tool** and its importance in enterprise security.
- ✓ Explanation of **firewall policy management, compliance monitoring, and risk analysis**.
- ✓ Real-time use cases demonstrating network security challenges.
- ✓ Interactive discussion on cybersecurity trends and industry best practices.
- ✓ Students gained practical exposure to modern security tools used by global organizations.

## Acknowledgement

The Department of Computer Science and Business Systems extends its sincere gratitude to **Dr. N. Marie Wilson**, Chairman, for her continuous encouragement and support. We express our heartfelt thanks to **Dr. J. Venu Gopalakrishnan**, Principal, and **Dr. S. Shenbaga Ezhil**, IQAC Director, for their valuable guidance.

We gratefully acknowledge **Mr. Aravind Rajasekaran**, IT Security Architect, Comcast India Engineering Center, for sharing his expertise and delivering an insightful session on the FireMon Network Security Tool.

Our sincere appreciation goes to **Mr. B. Yuvaraj, M.E., MBA**, Head of the Department, CSBS, for his leadership and coordination. Special thanks to the **Staff Coordinators, Mr. M. Ramesh and Ms. Spoornima**, Assistant Professors, and the **Student Coordinators, Mr. Dhuraisingham M and Mr. Uchimakali S (III Year CSBS)**, for their dedicated efforts in organizing the webinar. We also thank all the participants for their active involvement, which made the event a grand success.

## **“WORKSHOP – HANDS ON SESSION ON “INNOVATIVE TRAINING IN COMPUTER HARDWARE & NETWORKING”**

### **Introduction**

The Department of Computer Science and Business Systems, Jeppiaar Institute of Technology, successfully organized a **Workshop – Hands on Session on “Innovative Training in Computer Hardware & Networking”**. The workshop was conducted to enhance students' practical knowledge and industry-oriented skills in the field of computer hardware and networking. The session was held on **Friday, 12th December 2025**, at the **CSBS Lab**, in offline mode.

### **Objectives**

The primary objectives of the workshop were:

- ✓ To provide hands-on exposure to computer hardware components and networking concepts
- ✓ To bridge the gap between theoretical knowledge and practical application
- ✓ To familiarize students with real-time troubleshooting techniques
- ✓ To enhance technical competence and career readiness among CSBS students

### **Resource Person**

The workshop was led by **Mr. D. Sakthivel, B.Sc**, a highly experienced professional with **15 years of expertise in Hardware and Networking**. His in-depth knowledge, practical demonstrations, and interactive approach helped students gain clear insights into hardware assembly, network configuration, and maintenance practices.



## JEPPIAAR INSTITUTE OF TECHNOLOGY (An Autonomous Institution)

“Self-Belief | Self-Discipline | Self-Respect”

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NBA



### DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS

**WORKSHOP - HANDS ON SESSION**  
**Innovative Training in Computer Hardware & Networking**

**RESOURCE PERSON: Mr. D. SAKTHIVEL, B.sc**  
**15 YEARS EXPERIENCE IN HARDWARE & NETWORKING**

**CHIEF PATRON**

**Dr. N MARIE WILSON**  
**CHAIRMAN**

**PATRON**  
**Dr. J VENU**  
**GOPALAKRISHNAN**  
**PRINCIPAL**

**IQAC DIRECTOR**  
**Dr. S SHENBAGA EZHIL**



**HEAD OF THE DEPARTMENT**

**Mr. B. YUVARAJ - M.E,(P.hd)**  
**ASSISTANT PROFESSOR**

**FACULTY CO-ORDINATOR**

**Mr. M. RAMESH - M.E**  
**Ms. S. HEMALATHA - M.E,(P.hd)**  
**ASSISTANT PROFESSOR**

**STUDENT CO-ORDINATOR**

**Ms. A. V. ROSHINI**  
**Ms. D. SHOBANA**  
**(II-YEAR CSBS)**

**DATE: 12/12/2025**

**DAY: FRIDAY**

**VENUE: CSBS LAB**

**TIMING: 10AM TO 11:45AM**

**MODE: OFFLINE**



### Highlights of the Workshop

- ✓ Practical demonstration of computer hardware components
- ✓ Hands-on networking setup and troubleshooting techniques
- ✓ Interactive discussion on real-world hardware and networking issues
- ✓ Active participation and enthusiastic involvement of students
- ✓ Guidance on industry expectations and career opportunities in networking



## Acknowledgement

The Department of Computer Science and Business Systems expresses its sincere gratitude to **Dr. N. Marie Wilson, Chairman, Dr. J. Venu Gopalakrishnan, Principal, and Dr. S. Shenbaga Ezhil, IQAC Director**, for their constant support and encouragement.

We extend our heartfelt thanks to **Mr. B. Yuvaraj, Head of the Department**, and the faculty coordinators **Mr. M. Ramesh** and **Ms. S. Hemalatha** for their excellent coordination and efforts in organizing the workshop.

We also appreciate the support of the student coordinators **Ms. A. V. Roshini** and **Ms. D. Shobana (II-Year CSBS)** for ensuring the smooth conduct of the event.

Finally, we thank **Mr. D. Sakthivel**, the resource person, for sharing his valuable knowledge and making the workshop a grand success.

# “INNOVATIVE ADVANCED MYSQL MASTERY WORKSHOP”

## Introduction

The Department of Computer Science and Business Systems, Jeppiaar Institute of Technology, organized a one-day workshop titled “Innovative Advanced MySQL Mastery Workshop” on **15th December 2025 (Monday)**. The workshop was conducted in **offline mode** at the **CSBS Laboratory** from **9:00 AM to 3:00 PM**. The event aimed to strengthen students’ database management skills and provide advanced practical exposure to MySQL concepts relevant to industry applications.

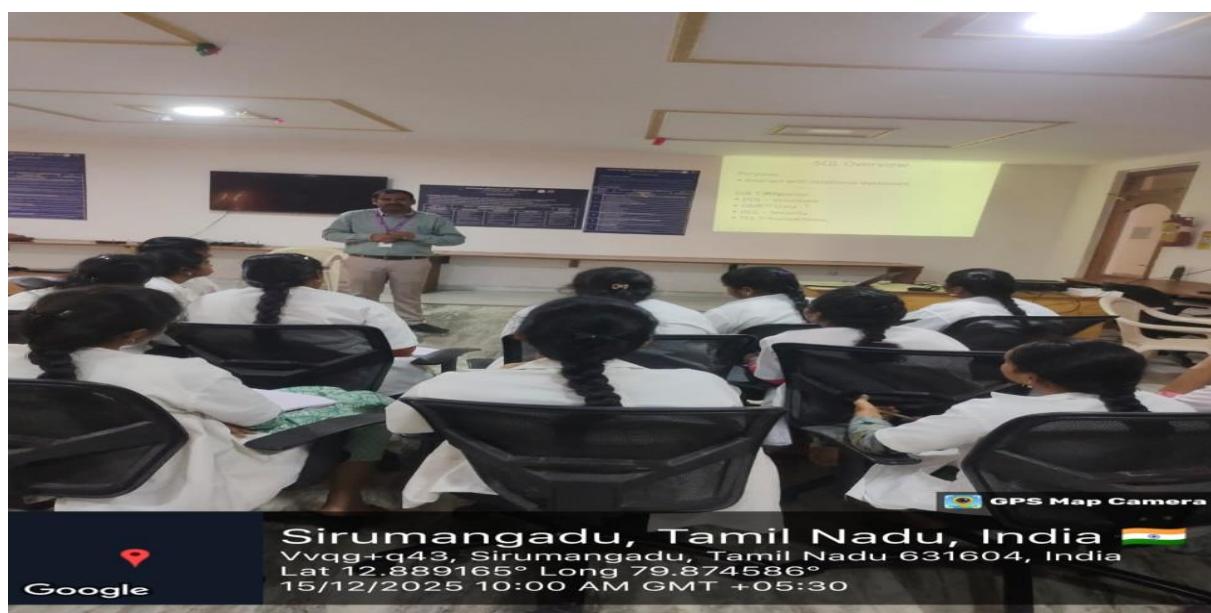
## Objectives

- ✓ To provide in-depth knowledge of advanced MySQL concepts
- ✓ To enhance practical skills in database design, queries, and optimization
- ✓ To familiarize students with real-time database applications
- ✓ To bridge the gap between academic learning and industry requirements
- ✓ To encourage students to adopt best practices in database management



## Resource Person

The workshop was delivered by **Mr. U. Sridhar, M.Tech., (Ph.D), Assistant Professor, Rajalakshmi Institute of Technology**. The resource person shared his expertise in advanced MySQL techniques, query optimization, indexing, and real-time use cases. His interactive sessions and hands-on demonstrations enabled students to gain strong practical insights into database management systems.



## Highlights of the Workshop

- ✓ Comprehensive coverage of advanced MySQL concepts
- ✓ Hands-on sessions on complex queries and database optimization
- ✓ Real-time examples and case studies
- ✓ Interactive discussion and doubt-clearing sessions
- ✓ Active participation and enthusiastic response from students
- ✓ Practical exposure aligned with industry standards

## Acknowledgement

The Department of Computer Science and Business Systems extends its sincere gratitude to **Dr. N. Marie Wilson, Chairman, Dr. J. Venu Gopalakrishnan, Principal, and Dr. S. Shenbaga Ezhil, IQAC Director**, for their constant encouragement and support.

We express our heartfelt thanks to **Mr. B. Yuvaraj, Head of the Department**, for his guidance and leadership. We also thank the **Staff Coordinator, Mrs. S. Poornima, M.E**, for her dedicated efforts in organizing the workshop.

Our sincere appreciation goes to the **Student Coordinators, Ms. G. Kiruthiga and Ms. A. Dhikshitha**, for their effective coordination and support throughout the event.

Finally, we extend our sincere thanks to **Mr. U. Sridhar** for sharing his valuable knowledge and making the workshop informative and successful.