

**A  
REPORT OF  
WORKSHOP ON  
“A CRITICAL THINKING APPROACH TO  
INNOVATION”**



**HELD ON  
25<sup>TH</sup> FEB 2025  
ORGANIZED  
BY  
DEPARTMENT OF COMPUTER SCIENCE &  
ENGINEERING**

**K.S. SCHOOL OF ENGINEERING AND MANAGEMENT**

**#15, Near Vajarahalli, Mallasandra, Kanakapura  
Road, Bengaluru-560109**



K.S SCHOOL OF ENGINEERING AND MANAGEMENT  
(Affiliated to VTU, Belagavi & Approved by AICTE, New  
Delhi, Accredited by NAAC)  
(Mallasandra, Kanakapura Road, Bangalore - 560109)



# A CRITICAL THINKING APPROACH TO INNOVATION

**Organized by**

Department of Computer Science & Engineering



**25th Feb 2025  
Tuesday**



**9:00 AM TO  
2:00 PM**



**Architecture  
Seminar Hall**

**Resource Person**



**Dr. Shanmukha Nagaraj,**  
Dean, RVCE, Bengaluru

**Convenors**

Ms. Jayashubha J,  
Associate Professor, CSE

Ms. Nagaveni B. Nimbai,  
Associate Professor, CSE

Ms. Nita Meshram,  
Associate Professor, CSE



**Scan the QR Code to Register!**

**HOD**

**Dr. K Venkata Rao**

**Principal**

**Dr. K Rama Narasimha**

**CEO**

**Dr. K V A Balaji**

**Report of Workshop Organized by**  
**Department of Computer Science & Engineering**  
**Academic Year: 2024-25**

**TITLE OF THE PROGRAM:** Workshop on “A Critical Thinking Approach to Innovation”

**BRIEF SUMMARY OF PROGRAM:** The Department of Computer Science & Engineering, KS School of Engineering and Management organized a Workshop on “A Critical Thinking Approach to Innovation” on 25<sup>th</sup> Feb 2025 for 4<sup>th</sup> and 6<sup>th</sup> semester CSE, Civil and Mechanical Engineering. Students in offline mode. Dr. Shanmukha Nagaraj, Dean, RVCE was the distinguished resource person for the day. The workshop was attended by 120 students.

**OBJECTIVES OF THE PROGRAM:**

1. To develop critical thinking skills for innovative problem-solving to - Equip participants with analytical and reasoning skills to approach complex engineering and real-world challenges with innovative solutions.
2. To foster a structured approach to creativity and innovation – Guide students in applying critical thinking frameworks to ideate, evaluate, and implement innovative solutions in engineering and technology,

**SPEAKER’S DETAILS:** Dr. Shanmukha Nagaraj currently holds the position of Dean (Academics) and Professor, Department of Mechanical Engineering, R V College of Engineering, Bengaluru. He has 32 years of teaching experience and 20 years of R&D experience. He is the recipient of “Best Teacher Award” by Cognizant in 2017 for his excellence in academics.

**PARTICIPANT’S DETAILS:**

**Participants:** UG students (4th and 6th semester)

**No. of Student Participants:** 120

**No. of Faculty Participants:** 10

## REPORT

The workshop on "A Critical Thinking Approach to Innovation" was organized by the Department of CSE, KSSEM, with the aim of exploring and discussing advancements in critical thinking and its role in fostering innovation. The workshop aimed at providing the attendees with insights into structured problem-solving and innovative thinking.

The workshop focused on the significance of critical thinking in driving innovation across various engineering disciplines. Our expert discussed frameworks such as design thinking, lateral thinking, and logical reasoning in the context of innovation. Real-world examples and case studies were presented to illustrate how critical thinking contributes to technological and engineering advancements. Interactive discussions encouraged participants to explore different perspectives on problem-solving and innovation. The lecture concluded with an interactive Q & A session, where participants discussed the practicality, challenges, and future prospects of implementing innovative approaches.

## GLIMPSES OF THE WORKSHOP









## OUTCOMES OF THE PROGRAM:

1. Participants gained theoretical insights into how critical thinking enhances the innovation process, helping them approach engineering and real-world challenges more effectively.
2. Participants were inspired to explore and implement cutting-edge concrete innovations in their projects, contributing to advancements in the construction industry.



**Signature of Co-ordinators**



**Signature of Department Head**

Department of Computer Science Engineering  
K.S School of Engineering & Management  
Bangalore-560109



**Signature of Principal**

Dr. K. RAMA NARASIMHA  
Principal/Director  
K S School of Engineering and Management  
Bangaluru - 560 109