

Department of Artificial Intelligence and Machine Learning

18.11.2025

**Submitted to,**

**Date:** 17.11.2025

**Sub:** Report on **DEEP SPECTRA 1.0** – Project Demonstration & Poster Presentation

## Introduction

The Department of Artificial Intelligence and Machine Learning (AIML) of Sri Sairam College of Engineering, Anekal, Bengaluru successfully organized **DEEP SPECTRA 1.0**, a Project Demonstration and Poster Presentation Event for final-year students. The event was conducted on **17th November 2025** at the **A.V. Hall**, providing a vibrant platform for students to exhibit their innovative ideas, technical expertise, and research outcomes in the domains of Artificial Intelligence, Machine Learning, and allied technologies.

With the theme “**Showcasing Innovation, Exploring the Depths**”, the event aimed to nurture creativity, promote applied learning, and encourage students to delve deeper into advanced technological concepts.

## Event Details

<b>Event Name</b>	<b>DEEP SPECTRA 1.0 – Project Demonstration &amp; Poster Presentation</b>
<b>Organizing Department</b>	Department of Artificial Intelligence and Machine Learning (AIML)
<b>Date</b>	17 November 2025
<b>Time</b>	11:30 AM – 3:30 PM
<b>Venue</b>	A.V. Hall, Sri Sairam College of Engineering
<b>Patrons</b>	Dr. Sai Prakash LeoMuthu, Chairman & CEO, Sairam Institutions
<b>President</b>	Dr. B. Shadaksharappa, Principal, SCE, Bengaluru
<b>Convener</b>	Dr. Sivaprakash C, Professor & Head, AIML Department
<b>Faculty Coordinators</b>	Prof. Sathiya A, Prof. P. Ramkumar
<b>Student Participants</b>	Final-year AIML students (60 Projects – 60 Inspirations)

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## Jury Members

The evaluation panel consisted of esteemed industry professionals:

1. **Mr.Nithish Kumar R** – Project Engineer, TCS
2. **Mr.Mohamed Ashik M** – Project Engineer, Wipro
3. **Ms.Supriya V** – Amazon Lex Developer, CTS
4. **Mr.Sridhar P** – Project Engineer, CTS

Their industry insights greatly contributed to the quality of assessment and student learning.

## Event Proceedings

**DEEP SPECTRA 1.0** featured **60 student projects** across diverse domains such as Artificial Intelligence, Machine Learning, Deep Learning, NLP, Computer Vision, IoT-enabled AI solutions, and Social Impact-based AI applications. The event comprised two major segments:

### A. Project Demonstration

Students showcased working models, prototypes, and full-stack AI solutions. Projects included:

- AI-Based Health Monitoring Applications
- Deep Learning Models for Image & Speech Recognition
- Predictive Analysis Tools for Smart Cities
- Autonomous Systems using Computer Vision
- AI Chatbots & Virtual Assistants
- IoT-Integrated Smart Energy Solutions

Each project was evaluated on:

- Innovation
- Technical Depth
- Practical Impact
- Presentation Skills
- Feasibility & Scalability

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### B. Poster Presentation

Posters highlighted:

- Research Problem Statements
- Methodologies
- Algorithms & Equations
- Model Performance Metrics
- Proposed Enhancements

This segment encouraged visual communication, research articulation, and scientific structuring of ideas.

### Participation & Outcomes

The event witnessed enthusiastic participation from all final-year students. The jury commended the participants for:

- Strong conceptual clarity
- Hands-on implementation skills
- Creativity in problem-solving
- Professionalism in presentation

**Top-performing teams were recognized with certificates and appreciation,** motivating students to pursue further research, internships, and innovation-driven careers.

### Valedictory Session

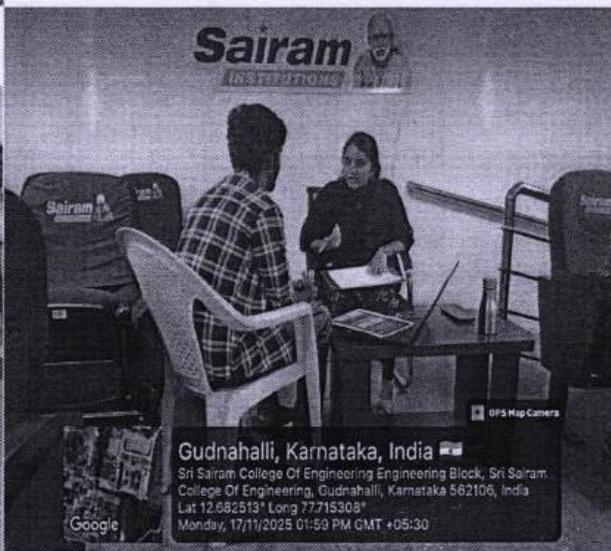
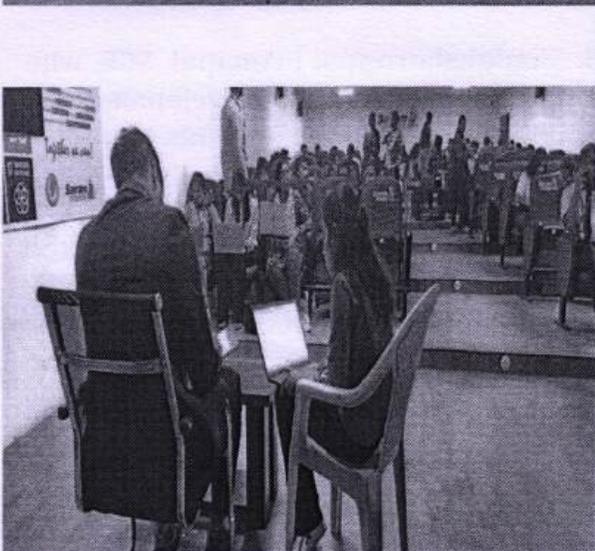
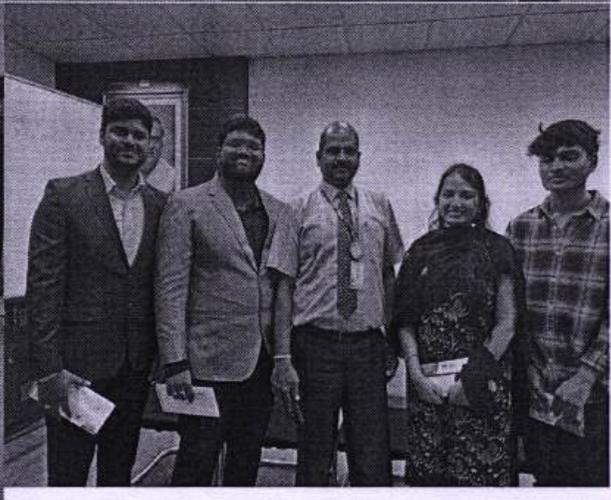
The valedictory program was graced by **Dr. B. Shadaksharappa, Principal, SCE**, who applauded the department's initiative in fostering innovation and skill development. He emphasized the importance of experiential learning and encouraged students to pursue impactful technological solutions.

**Dr. Sivaprakash C, Professor & Head, AIML Department**, also addressed the gathering. He appreciated the tremendous effort showcased by the final-year students, the dedication of the coordinators, and the valuable contributions of the jury members. He further highlighted the department's continuous commitment to empowering students through hands-on learning and research-driven activities.

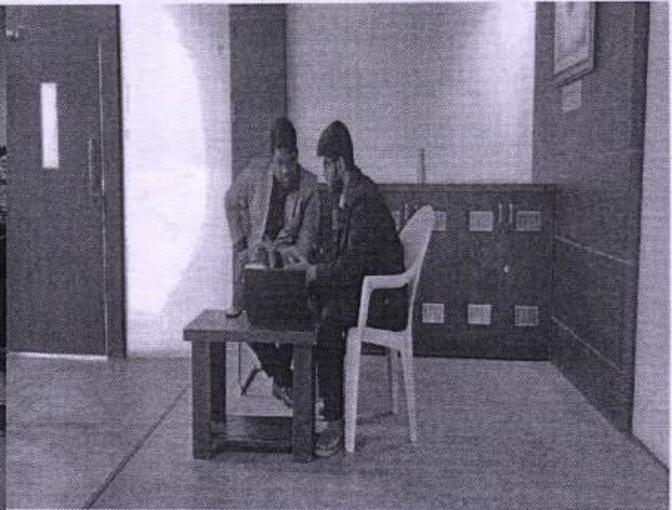
The winners were felicitated with certificates, and the event concluded with gratitude extended to the management, faculty, and student coordinators for making **DEEP SPECTRA 1.0** a remarkable success.

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## GLIMPSE OF DEEP SPECTRA 1.0 -2025

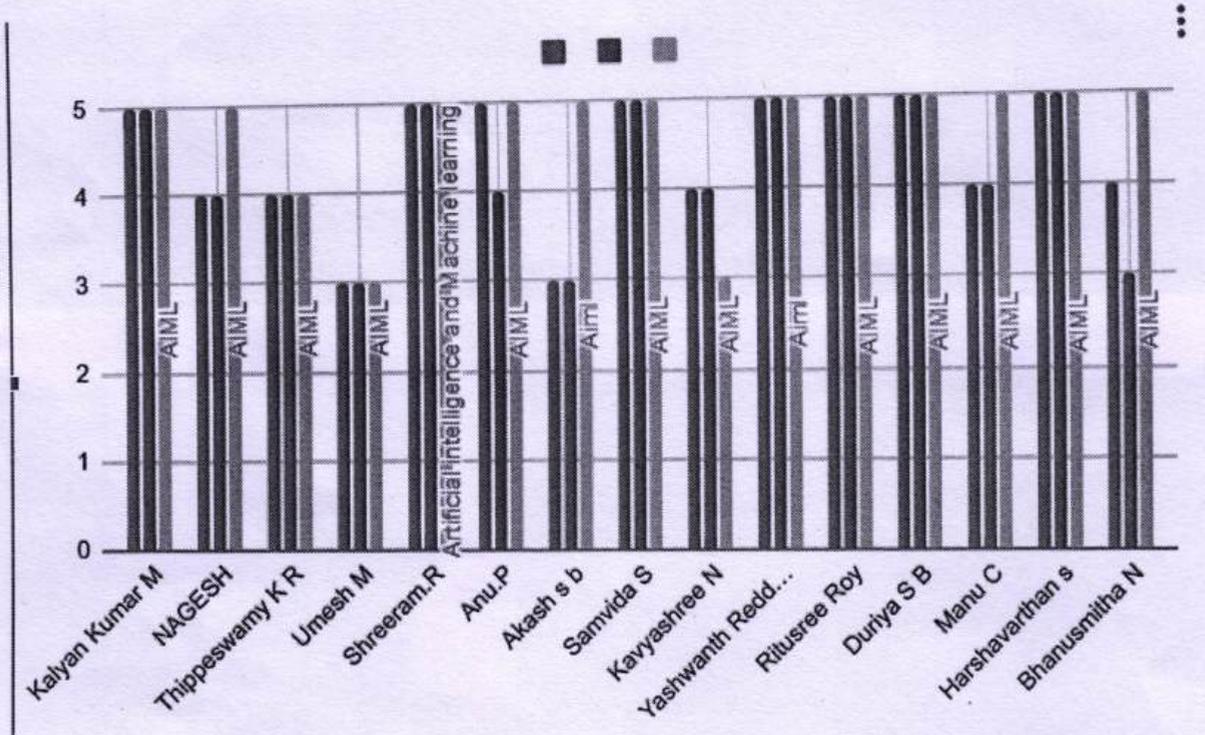


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**FEEDBACK**



**Conclusion**

DEEP SPECTRA 1.0 successfully served as a platform for students to explore the depths of AI and ML, showcase their innovations, and receive valuable feedback from industry experts. The event strengthened the department's commitment to fostering experiential learning and preparing students for emerging technological challenges.

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• CO-ORDINATORS

18/11/2025

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