

Report on One Day Workshop on Implementation of AI Tools in Education and Research

The Department of Mathematics, St Joseph Engineering College, Mangaluru, organized a One Day Workshop on "Implementation of AI Tools in Education and Research" on 3rd September 2025 at the MATLAB Laboratory (Room No. 3207).

The workshop began with a prayer, followed by a warm welcome by Ms. Prajna K, Assistant Professor in the Department of Mathematics, who gracefully compered the program. Dr. Jagadeesha B, Head of the Department of Mathematics, who extended floral greetings to the resource person, Dr. Venkatesh Babu K P, Assistant Professor, Department of Mathematics, Dayananda Sagar College of Engineering, Bengaluru.

A total of 25 faculty participants from SJEC actively took part in the workshop. The sessions were highly interactive and engaging, covering a wide range of AI tools for teaching, learning, and research. Participants were introduced to innovative platforms such as Perplexity AI for syllabus design, Auto Classmate for lesson planning, Quizgecko AI for module-wise assessment generation, Gamma AI for creating presentations, InVideo AI for developing videos, and Edcafe AI for preparing course materials.

In addition, the workshop explored AI tools for research enhancement such as Consensus for literature review, Connected Papers and Research Rabbit for bibliography analysis, NotebookLM for exploring relationships between research papers, Napkin AI for infographics, Jenni AI for content linking, Avidnote for PDF analysis, and Scispace for literature surveys.

The sessions provided hands-on exposure, enabling participants to understand the practical applications of these tools in curriculum development, content creation, evaluation, and scholarly research. The resource person demonstrated how AI-driven platforms can significantly enhance efficiency, creativity, and accuracy in academic activities.

At the end of the session, a token of love was presented to the resource person by Dr. Sridevi Saralaya, Professor, Department of Computer Science and Engineering. The workshop concluded on a positive note and was well appreciated by all participants for its relevance and practical usefulness.