

One-Day Faculty Workshop

on

ICT-based Pedagogy and AI Tools for Teaching, Learning, and Research

Organized by: IQAC & Department of Computer Science

Venue: Government College (A), Rajahmundry

Date: 11th July 2025

Resource Person: Dr. Suneel Kumar Duvvuri, In-Charge, Department of Computer Science

Participants: All Faculty Members of the College

1. Introduction

The Internal Quality Assurance Cell (IQAC), in collaboration with the Department of Computer Science, organized a one-day faculty development workshop on “**ICT-based Pedagogy and AI Tools for Teaching, Learning, and Research**” on **11th July 2025**. The event was aimed at empowering faculty members with the latest digital and AI-driven tools to enhance their teaching methodologies and research productivity.

2. Inaugural Session

The workshop commenced with a formal **welcome and introduction** by **Dr. A. Rajeswari**, Academic Coordinator.

This was followed by **opening remarks** from the **Principal, Dr. Ramachandra R. K**, who highlighted the importance of adopting technology in teaching and the need for continuous upskilling in the evolving academic landscape.

3. Resource Person

All technical sessions of the workshop were led by **Dr. Suneel Kumar Duvvuri**, In-Charge, Department of Computer Science. His deep understanding of AI tools and pedagogical innovations made the sessions highly engaging and relevant.

4. Workshop Sessions & Tools Covered

Session 1: SWAYAM-NPTEL MOOCs

- Overview of NPTEL/SWAYAM online courses and certification ecosystem.
- Role of **NPTEL Mentor** – Responsibilities, Do's and Don'ts.
- Guidelines for the **SPOC (Single Point of Contact)** in colleges.
- How to motivate and monitor students through online learning platforms.

Session 2: AI Tools for Teaching & Curriculum Design

- **Magic School AI**: Designing AI-driven curriculum plans tailored to course outcomes.
- **Autoclassmate.ai**: Automated creation of assessments, questions, and summaries for academic content.
- **Edcafe.ai**: AI-powered real-time feedback and student engagement analysis.

Session 3: Research Assistance and Visualization

- **Prompt Engineering**: Best practices for generating effective AI prompts in research and academic content creation.
- **Notebook LM**: AI-powered assistant for organizing, summarizing, and generating research insights.
- **Google Studio**: Building interactive dashboards and reports for data analysis.
- **Napkin.ai**: Visual storytelling and idea-mapping for academic presentations and concept visualization.

5. Outcomes of the Workshop

- Faculty members gained hands-on exposure to practical AI tools relevant for day-to-day teaching and research.
- Participants understood how to integrate ICT and AI tools into classroom delivery, assessments, and mentoring roles.
- The workshop fostered digital readiness and encouraged a mindset of continuous innovation among faculty.

6. Feedback

All participants expressed that the sessions were **insightful, engaging, and highly beneficial**. Many appreciated the simplicity with which advanced tools were introduced and demonstrated. The resource person was especially praised for his clarity and hands-on approach.

7. Conclusion

The one-day workshop was a **grand success** in igniting the faculty's interest and confidence in AI-driven pedagogy and ICT-enabled practices. It marks a significant step toward digital transformation in the college's academic ecosystem.

Gallery



Welcome and introduction by Dr. A. Rajeswari



Opening remarks from the Principal, Dr. Ramachandra R. K,



Session I



Session II



Session III



Participants



Thank you