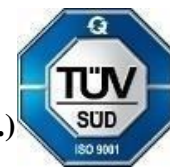




MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS INSTITUTION)

Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi
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A Report on One day Workshop on
"Generative AI Using Microservices Architecture"
Organized by Department of Computer Applications
In association with ISTE & IIC
on 13.06.2025



Report Submitted by: Mr. S. Suresh, Assistant Professor, Department of Computer Applications.

Event Coordinators: Mr. S. Suresh, Assistant Professor, Mr. T. Saravanan, Assistant Professor and Mr. P. Seshu Kumar, Assistant Professor, Department of MCA.

Resource Person Details: Mr. Puli Poorna Sekhar, Director, Rizzle Technology (Clean ERP), Bangalore.

Attended: First year MCA Students. (Total Count: 300)

Venue: Auditorium MITS

Mode of Conduct: Offline

Report Received on 17.06.2025.

Event Overview:

The Department of Computer Applications organized a one-day technical workshop on *Generative AI Using Microservices Architecture* to provide students and faculty with insights into the convergence of cutting-edge AI technologies and scalable software design practices.

The session focused on how **Generative AI models**—such as those used in text, image, and code generation—can be effectively developed, deployed, and managed using **Microservice Architecture**. Participants were introduced to core concepts of generative AI.

The workshop also featured real-world demonstrations on deploying AI models as microservices and creating APIs for interaction, offering participants valuable hands-on experience. The session concluded with guidance on emerging industry trends and career opportunities in AI and cloud-native technologies.

Inauguration

The one-day workshop, "**Generative AI Using Microservice Architecture**" was officially inaugurated on 13th June 2025 with an engaging welcome address delivered by Manasa, a first-year MCA student. In her speech, Manasa expressed gratitude to the management, Principal, Head of the Department, and the coordinators for their unwavering support, which made the event possible. She also warmly welcomed the resource person for the workshop, **Mr. Puli Poorna Sekhar, Director, Rizzle Technology (Clean ERP), Bangalore.**

Dr. N. Naveen Kumar, Head of the Department, also welcomed the participants, highlighting the importance of such initiatives in shaping their skills. The inauguration was enriched by an insightful address from Dr. N. Naveen Kumar, who emphasized the significance of mastering Coding for success in the software industry.

Resource Person Profile:

Experienced Software Dev Engineer with 5+ years in Software development. Expertise: MERN Stack, Java Spring Boot, React Native for Android/iOS. Contributed to startups, diverse projects, experience. Now CEO at Rizzle | Driving Innovation with Clean ERP – Smart, Scalable, and Affordable ERP Solutions for Businesses & Institutions



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Workshop Highlights:

The workshop was conducted in an interactive and hands-on format. Key topics covered included:

- **Introduction to Generative AI:** Fundamentals, models like GPT, DALL·E, and their use cases
- **Microservice Architecture Overview:** Concepts, advantages over monolithic systems, and key design patterns
- **Integration of Generative AI with Microservices**
- **Building and Deploying AI Models in Microservices using Docker and Kubernetes**
- **APIs and Service Communication**
- **Industry Trends & Career Guidance in Generative AI and Cloud Computing**

Live demonstrations were conducted to show how microservices can be deployed for AI-driven applications like chatbot services, text generation APIs, and image creation tools.

Vote of Thanks

The workshop concluded with a vote of thanks delivered by Mr.T.Saravanan who expressed their heartfelt appreciation to the resource person, management, and all the participants for their active involvement and contribution to the event's success.

Event Outcome:

The "Generative AI Using Microservice Architecture" workshop was a resounding success, providing participants with valuable knowledge and practical experience.

- Participants gained practical knowledge of deploying AI solutions using microservice architecture.
- Students were introduced to tools like Docker, Kubernetes, and Fast API for AI service development.
- The session inspired many to explore careers in Generative AI and cloud-native application development.
- Faculty members appreciated the practical orientation and proposed follow-up sessions or certifications in cloud and AI technologies.

Positive Feedback from Participants:

The feedback from participants was overwhelmingly positive. Many appreciated the practical focus of the workshop, the clarity of the instructor's sessions, and the opportunity to learn from an expert like Mr. P. Poorna Sekhar Reddy

Newspaper Clips:

