

A Report on
Webinar On
Latest AI Advancements in Medical Domain
15 November 2021

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS INSTITUTION)
Madanapalle-517325, Annamaya Dist., Andhra Pradesh

Organized by Department of Computer Science & Technology

Webinar on
"Latest AI Advancements in Medical Domain"

Resource Person
Dr. J. I. Sheeba
Associate Professor
Puducherry Technological University, Puducherry

Date: 15.11.2021

www.mits.ac.in

Submitted by Dr.N.Praveena, Assistant Professor, Department of CST.

Resource Person details:

Resource Person: Dr.J. I. Sheeba

Designation: Associate Professor

Department: **CSE**

Organization: Puducherry Technological University, Puducherry

Participants: **II year CST**

Attendance: **76** participants (Internal)

Venue: **Seminar Hall – B, MITS, AP**

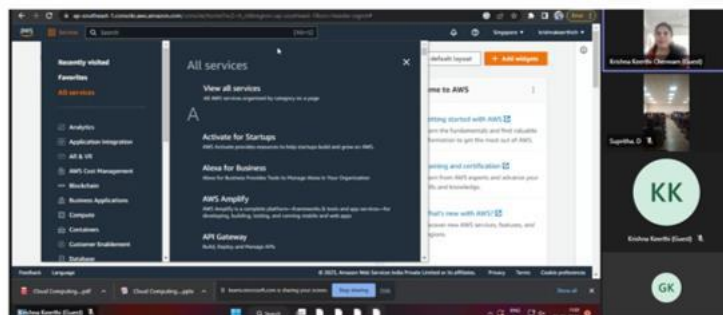
Mode: **Online**

Department of Computer Science and Technology, has organized Webinar on "**Latest AI Advancements in Medical Domain**" on 15-11-2021, 10:00 am.

Objective:

The webinar aimed to provide participants with insights into the latest advancements in Artificial Intelligence (AI) within the medical domain, focusing on its applications, challenges, and future prospects.

Dr. M. Sreedevi, HOD, Department of CST heartily invited Resource person for the Online Guest lecture(Webinar). She emphasized the importance of staying updated with advancements in AI, particularly in the context of healthcare, and encouraged students to actively engage in learning opportunities like webinars to broaden their knowledge and skills



Dr.N.Praveena, read the profile of Resource person **Dr.J. I. Sheeba**, Associate Professor, Department of CSE, Puducherry Technological University, Puducherry and handed over the session to the Resource person.

The **Resource person** (Dr.J. I. Sheeba) joined online and he has started the session by extending his heartily thanks to the participants organizing members, HOD, Principal and Management of MITS, Madanapalle for giving him opportunity to share his knowledge and experience in "**Latest AI Advancements in Medical Domain**".

Key Highlights:

- Dr. J. I. Sheeba, an esteemed Associate Professor from Puducherry Technological University, served as the resource person for the webinar. Her expertise in AI and its applications in the medical domain enriched the session.
- The webinar covered a range of topics, including:
- Introduction to AI and its significance in healthcare.

- Applications of AI in medical imaging, diagnosis, and treatment.
- Use cases and case studies showcasing real-world AI implementations in healthcare settings.
- Ethical considerations and challenges associated with AI adoption in the medical field.
- Participants engaged in interactive discussions, sharing their perspectives and experiences related to AI in healthcare.
- Practical demonstrations and examples were presented to illustrate the transformative impact of AI on medical practices and patient care.
- Dr. N. Praveena, the coordinator of the event, ensured the smooth conduct of the webinar and facilitated the question-and-answer session effectively.

Queries and Feedback session:

- 1.How do AI algorithms contribute to improving patient outcomes and healthcare delivery in real-world medical settings?
- 2.Can you provide examples of AI applications that have been successfully implemented in hospitals or clinics, and what measurable benefits have they provided?
- 3.What are some of the key challenges in integrating AI technologies into existing healthcare systems, and how can they be overcome?
- 4.How do AI-based diagnostic tools compare to traditional methods in terms of accuracy, speed, and cost-effectiveness?
- 5.What are the current trends in AI research and development specifically focused on addressing medical challenges?

The key takeaways from the webinar on "Latest AI Advancements in the Medical Domain" include:

Emerging Opportunities: Participants gained insights into the evolving landscape of AI in healthcare, discovering new opportunities for innovation and improvement in medical diagnosis, treatment, and patient care.

Practical Applications: The webinar showcased real-world examples of AI applications in medical imaging, diagnosis, predictive analytics, and personalized treatment, illustrating their potential to revolutionize healthcare delivery.

Ethical Considerations: Discussions around the ethical implications of AI in healthcare highlighted the importance of ensuring patient privacy, data security, transparency, and fairness in algorithmic decision-making. The session ended by

Dr. M. Sreedevi, Professor, Head of the Department, MITS, thanking the resource person, faculty members and students and expressed her gratitude to the Management and Principal for giving permission and financial support to organize this programme.

Vote of Thanks: The session was concluded at 12:00 pm followed by a vote of thanks, given by CST Department IEEE Student Branch faculty Coordinator, **Mr. K. Giridhar,** Assistant Professor, Department of CST, MITS, Madanapalle.