

Sreenivasa Institute of Technology and Management Studies (SITAMS)

Murukambattu, Chittoor, Andhra Pradesh.

Department of Computer Science and Engineering (Artificial Intelligence)

Report Guest Lecture

on

"Empowering the Future: AI and ML in Action"





















Introduction: Artificial intelligence systems (AISs) have become a part of our lives, with many even allowing themselves to be "programmed" by AI-based applications. However, AI can also aid people in carrying out various activities. The third hype of AI has focused on the exploration of an exponentially growing amount of data, most of which are not managed. What might the fourth hype be? The pursuit of the dream of AI initiators of building a machine more intelligent than humans and the race to achieve computer power raise some questions: is this compatible with human and planetary sustainability? How far can AI research and applications go? What future directions could AI research and businesses take? This guest lecture presented perspectives on the synergy between humans and AI systems.

Guest Lecture Contents:

1. Fundamentals of AI & ML

- 2. Data Pre-processing and Model Selection
- 3. Exploratory Data Analysis
- 4. Types of ML
- 5. Supervised Learning techniques, and contemporary Applications hands-on
- 6. Unsupervised Learning techniques, and contemporary Applications hands-on
- 7. Tools
- 8. Challenges and Limitations
- 9. AI & ML for Placement

Speaker's Details: Dr. Vivekananda. GN, M.Tech., Ph.D.

Associate Professor

School of Computer Science Engineering and Information Systems,

Vellore Institute of Technology (VIT), Vellore - 632014.

Convenor: Dr. Munipraveena Rela,

Associate Professor & HOD,

Department of CSE(AI), SITAMS.

Coordinators: Dr. N. Gayathri Devi, Associate Professor, CSE(AI), SITAMS

Ms. M. Deepika, Assistant Professor, CSE(AI), SITAMS.

Date: 19.03.2024

Target Audience: II year and III year CSE(AI) students

Organized by: Department of CSE(AI), SITAMS

Faculty Co-ordinator: 1. Dr. N. Gayathri Devi HOD-CSE(AI)

Ms. M. Deepika Dr. Munipraveena Rela