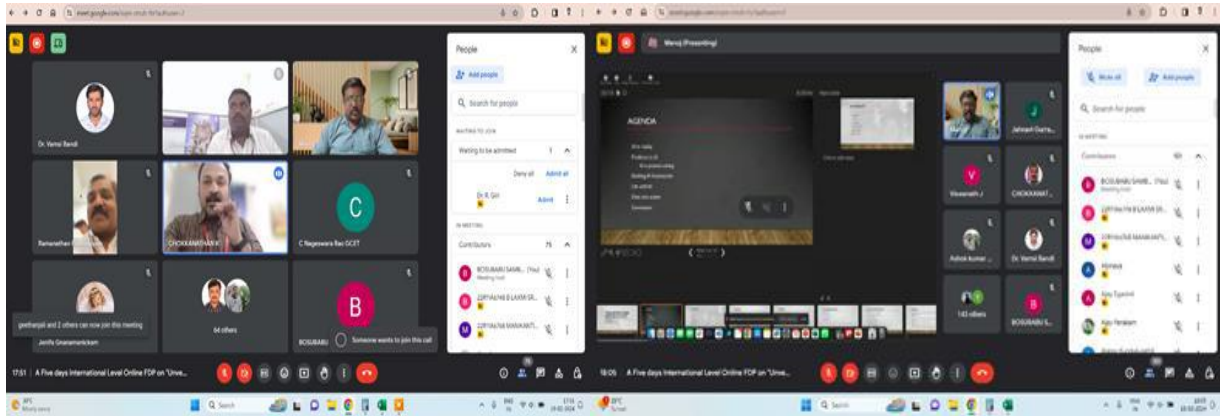


**A Report on A Five days International Level Online FDP on
“Unveiling Emerging Trends in Artificial Intelligence and Data Renaissance”
Organized by Department of Computer Science & Engineering (Artificial Intelligence)
in association with MITS - IEEE Student Branch,
Indian Society for Technical Education (ISTE) and MITS IIC
Date: 19-Feb-2024 to 23-Feb-2024**



Report submitted by: Dr. Vamsi Bandi, Assistant Professor, Department of CSE(AI)
Co-chair: Dr. K. Chokkanathan, HoD & Assoc. Professor, Dept. of CSE-AI
Convenors: Dr. Vamsi Bandi, Assistant Professor, Dept. of CSE-AI; Dr. G. Jenifa, Assistant Professor, Dept. of CSE-AI
Co-ordinators: Mr. J. Viswanath, Assistant Professor, Dept. of CSE-AI; Mrs. Ayisha Noori, Assistant Professor, Dept. of CSE-AI
Report Received on 28.02.2024.
Total No. of Registrations: 380
Mode of Delivery: Online Mode through Google Meet and Microsoft Teams

About the FDP:

“Unveiling Emerging Trends in Artificial Intelligence and Data Renaissance” constitutes a dynamic and all-encompassing faculty development initiative tailored for faculty, research scholars and students. Its purpose is to equip educators with the latest knowledge and skills essential for bridging the gap between academia and the industry in the field of Artificial Intelligence and Big Data Analytics, extending its impact to both national and international communities.

Inaugural Session:

The programme started at 19-Feb-2024 at 5:45 PM with a presidential address by Dr. P. Ramanathan, Professor & Vice-Principal Academics, MITS and a welcome address by Dr. K. Chokkanathan, HoD & Assoc. Professor, Department of CSE(AI). In the welcome address, Dr. K. Chokkanathan highlighted the participants summary from states of India and also from foreign countries.

Day 1: 19-02-2024 & Time: 6:00 PM to 7:30 PM

Resource Person: Mr. Alad Manoj Peter Co-Founder: Standard Insights, India
Topic: Converting Data into Analytics using AI/ML Tools
Mode of session: ONLINE (Google Meet)

The resource person started the session by extended his thanks to the Management of MITS. He started explaining AI in reality, problems in AI, problem solving in AI, Building AI frameworks, life with AI, data into action, design AI model, ethical considerations and compliance and how to download ML related datasets using ChatGPT. He given the live demo of how to use AL and ML tools using Visual Studio. The session ended with Q&A session with participants.

Guest profile Introduction by Mr. R. Ashok Kumar, Department of CSE(AI)
Vote of Thanks by Dr. A. Poongodai, Department of CSE(AI)

Day 2: 24-02-2024 & Time: 6:00 PM to 7:30 PM (Postponed session on 20-02-2024)

Resource Person: Dr. B. Surendiran, Associate Professor, Department of Computer Science and Engineering, National Institute of Technology Puducherry
Topic: Generative Artificial Intelligence
Mode of session: ONLINE (MS TEAMS)



The resource person started the session by extended his thanks to the Management of MITS. He started explaining Sora AI video generator, Harnessing AI for content creation, content generation using AI, AI revolution in coding, automated code generation, error detection and correction, ChatGPT tool, evolution of image generation with AI, PDF AI, Forma AI PDF editor, Circuit designing using AI, AI for research, UI generation using AI, video generation AI, 3D design generation AI, SEO & Marketing AI. He given the live demo of how to use OepnDalleV1.1, huggingfaces.co and scite.ai. The session ended with Q&A session with participants.00

Guest profile Introduction by Ms. N. Mohana Priya, Department of CSE(AI)

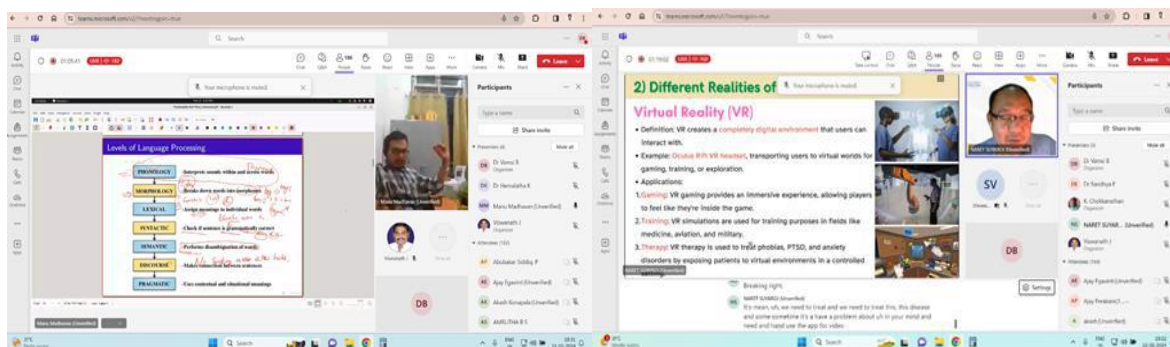
Vote of Thanks by Mr. K. Chandra Sekhar, Department of CSE(AI)

Day 3: 21-02-2024 & Time: 6:00 PM to 7:30 PM

Resource Person: Dr. Manu Madhavan, Ph.D, Assistant Professor, Indian Institute of Information Technology, Kottayam

Topic: Deep Learning for NLP

Mode of session: ONLINE (MS TEAMS)



The resource person started the session by extended his thanks to the Management of MITS. He started explaining NLP intuition, ChatGPT tool, Computational Intelligence and its possibilities, NLP in multidisciplinary, computational linguistics, levels of NLP, Rule-based approaches, Empirical approach, Issues with CNN and FFNN, RNN, Training RNN, Limitations of RNN family. He given the live demo of how to train RNN with gradient. The session ended with Q&A session with participants.

Guest profile Introduction by Mrs. R. Dhana Lakshmi, Department of CSE(AI)

Vote of Thanks by Dr. K. Hemalatha, Department of CSE(AI)

Day 4: 22-02-2024 & Time: 6:00 PM to 7:30 PM

Resource Person: Dr. Naret Suyaroj, Ph.D, Professor, International College of Digital Innovation – Chiang Mai University, Thailand

Topic: Recent Research trends in IOT

Mode of session: ONLINE (MS TEAMS)

The resource person started the session by extended his thanks to the Management of MITS. He started explaining reality tech (AR, VR) for industries and others, Introduction to Fallab-ICDI and CMU, fabrication laboratory ICDI and CMU, Internet of Things (IoT), Introduction to reality technologies, Example from “New growth Engine Project”, MetaVerse, ICDI research, ICDI Meta Verse. He given the live demo Thailand Government Project Meta verse game available at “<http://ar.tambonbor.com/banphakin>”. The session ended with Q&A session with participants.

Guest profile Introduction by Mrs. S. Kalaivani, Department of CSE(AI)

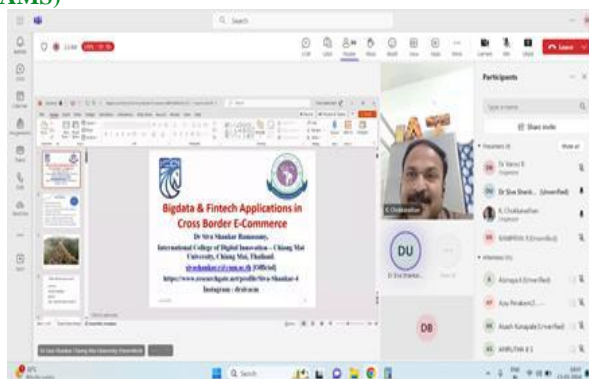
Vote of Thanks by Dr. E. Sandhya, Department of CSE(AI)

Day 5: 23-02-2024 & Time: 6:00 PM to 7:30 PM

Resource Person: Dr. Siva Shankar Ramasamy, Ph.D, Professor, International College of Digital Innovation – Chiang Mai University, Thailand

Topic: Big data and FinTech applications in Cross Border E-Commerce

Mode of session: ONLINE (MS TEAMS)



The resource person started the session by extended his thanks to the Management of MITS. He started explaining bigdata, roots of data, history of data, fintech applications, evaluation of E-commerce in various countries, exchange policies between India and Thailand, Expectations for IOT, Quality control – check list, Transport and logistics, Technologies in War and Battle Filed, UPI’s Significance in CNX, Future for India-Asia, Sustainable development goals. He given the live demo on how to use Sustainable development goals. The session ended with Q&A session with participants.

**Guest profile Introduction by Mrs. R. Rampriya, Department of CSE(AI)
Vote of Thanks by Mr. K. Mahammad, Department of CSE(AI)**

The valedictory talk was given by Dr. K. Chokkanathan, HoD/AI and Finally session was concluded by vote of thanks delivered by Dr. G. Jenifa, Assistant Professor, Dept. of CSE (AI). She extended her thanks to Management, Principal, HoD, colleagues, research scholars, students, all resource persons and participants for the successful completion of the event.

Summary of FDP:

| | |
|-----------------------------|---|
| College Name | Madanapalle Institute of Technology & Science (MITS) |
| Department Name | CSE(Artificial Intelligence) |
| Event Name | A Five days International Level Online FDP on "Unveiling Emerging Trends in Artificial Intelligence and Data Renaissance" |
| Total Registrations | 380 |
| International registrations | 9 |
| National registrations | 371 |

| Count as per designation | | Total |
|----------------------------|-----|------------|
| Architect | 1 | 1 |
| Professor | 9 | |
| Associate Professor | 25 | |
| Assistant Professor | 116 | 153 |
| Lecturer | 1 | |
| Technical Staff | 1 | |
| Technical Asst. Computers | 1 | |
| Research Scholar | 14 | 14 |
| Student | 212 | 212 |
| Total registrations | | 380 |

| Count as per Country | | Total |
|----------------------|----------------|-----------------|
| Country Name | State Name | Count |
| India | Andhra Pradesh | 225 |
| | Tamil Nadu | 96 |
| | Karnataka | 8 |
| | Kerala | 6 |
| | Maharashtra | 1 |
| | Telangana | 30 |
| | Goa | 3 |
| | Uttar Pradesh | 2 |
| | Oman | Dhofar / Muscat |
| Japan | Fukushima | 5 |
| Nepal | Province | 1 |
| Total Count | | 380 |

FDP Outcome:

- Participants deepened their comprehension of the latest tools and techniques in artificial intelligence, machine learning and data renaissance, acquiring knowledge about emerging algorithms, frameworks, and technologies within these domains.
- The FDP facilitated hands-on experience with the covered tools and techniques, enabling participants to develop proficiency in their application to real-world problems. This approach fostered a more practical understanding of the subject matter.
- Faculty members, research scholars and students learned to seamlessly integrate emerging tools and techniques into their teaching curriculum. This integration might involve creating new courses, updating existing ones, and incorporating pertinent case studies and projects.
- Teaching methodologies were enhanced for participants, ensuring their ability to effectively communicate complex concepts related to emerging tools and techniques to their students.
- Faculty members and research scholars leveraged the FDP for professional development, gaining exposure to the latest advancements. This experience enhanced their competitiveness in their respective fields.