



MALLA REDDY COLLEGE OF ENGINEERING

(Approved by AICTE-New Delhi, Affiliated to JNTUH-Hyderabad)

Recognized under Section 2(f) & 12(B) of the UGC Act 1956,

An ISO 9001:2015 Certified Institution.

Maisammaguda, Dhullapally, post via Kompally, Secunderabad - 500100

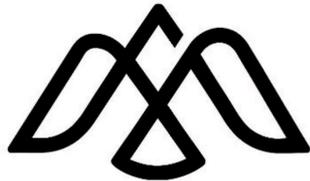
A Report of
National level 5 Days Faculty Development Program
On
Recent Advances in AI and Their Applications

Organized by:

Department of CSE (AI & ML)

29th January to 02nd February 2024

Target Audience: Teaching Faculties



In association with

Institution Innovation Council and Plexus Club

Date: 29-01-2024 to 02-02-2024.

Mode : Online



MALLA REDDY COLLEGE OF ENGINEERING

(Approved by AICTE-New Delhi, Affiliated to JNTUH-Hyderabad)

Recognized under Section 2(f) & 12(B) of the UGC Act 1956,

An ISO 9001:2015 Certified Institution.

Maisammaguda, Dhullapally, post via Kompally, Secunderabad - 500100

Contents:

Sl. No	Contents
1	About Institution- MRCE
2	Institution and Department Vision - Mission
3	About Department
4	Permission letter
5	About the Event
6	Workshop – Aim, purpose and Importance
7	Summary
8	Program outcomes(PSO & PEO)
9	Conclusion
10	Sample Certificate



MALLA REDDY COLLEGE OF ENGINEERING

(Approved by AICTE-New Delhi, Affiliated to JNTUH-Hyderabad)

Recognized under Section 2(f) & 12(B) of the UGC Act 1956,

An ISO 9001:2015 Certified Institution.

Maisammaguda, Dhullapally, post via Kompally, Secunderabad - 500100

ABOUT THE INSTITUTION



MRCE, BLOCK-A

Malla Reddy College of Engineering (Formerly CM Engineering College) has been established under the aegis of the Malla Reddy Group of institutions in the year 2005, a majestic empire, founded by chairman Sri. Ch. Malla Reddy. He has been in the field of education for the last 22 years with the intention of spearheading quality education among children from the school level itself.

Since the beginning Mr. Malla Reddy has endeavoured to ensure quality education and carved a niche for himself by managing this group of institutions.

Malla Reddy College of Engineering has been laid upon a very strong foundation and has ever since been excelling in every aspect. The bricks of this able institute are certainly the adept management, the experienced faculty, the selfless non-teaching staff and of course the students.



MALLA REDDY COLLEGE OF ENGINEERING

(Approved by AICTE-New Delhi, Affiliated to JNTUH-Hyderabad)

Recognized under Section 2(f) & 12(B) of the UGC Act 1956,

An ISO 9001:2015 Certified Institution.

Maisammaguda, Dhullapally, post via Kompally, Secunderabad - 500100

INSTITUTION VISION:

To emerge as a centre of Excellence for producing professionals who shall be the leaders in technology innovation, entrepreneurship, and management and in turn contribute for advancement of society and human kind.

INSTITUTION MISSION:

- To provide an environment of learning in emerging technologies.
- To nurture a state of art teaching learning process and R&D culture.
- To foster networking with Alumni, Industry, Institutes of repute and other stakeholders for effective interaction.
- To practice and promote high standards of ethical values through societal commitment.

VISION OF THE DEPARTMENT

To teach excellence education for undergraduates in the field of Artificial Intelligence and Machine Learning in the technological-embedded domain and make professionals who help the better cause of society.

MISSION OF THE DEPARTMENT

- Impart demanding training to create knowledge through the state-of-the-art ideas and skills in Artificial Intelligence and Machine Learning.
- Facilitate the students to adapt to the rapidly changing technologies by providing cutting-edge laboratories and facilities.
- Kick off the research and training, paying special attention to the essential skills of the subsequent generation's workforce.



MALLA REDDY COLLEGE OF ENGINEERING

(Approved by AICTE-New Delhi, Affiliated to JNTUH-Hyderabad)

Recognized under Section 2(f) & 12(B) of the UGC Act 1956,

An ISO 9001:2015 Certified Institution.

Maisammaguda, Dhullapally, post via Kompally, Secunderabad - 500100

ABOUT CSE (AI&ML) DEPARTMENT

The Department of Artificial Intelligence and Machine Learning (AI&ML) was founded in 2020 with the goal of providing high-quality higher education to as many students as possible and to satisfy the enormous need for highly trained professionals in the industry. The Department of AI&ML offers a B. Tech program in Computer Science and Engineering (Artificial Intelligence and Machine Learning). The curriculum is created to give students a firm foundation in AI and ML principles and concepts as well as practical experience in handling situations from the real world. Programming languages, computer architecture, machine learning, natural language processing, artificial intelligence, and deep learning are some of the department's core subjects. Students are continuously trained with an attitude of excellence to overcome automation challenges across all industries and provide new context and background to improve the agile process with the assistance of great laboratory facilities and well-qualified faculty members. Because of the program's interdisciplinary nature, it draws on knowledge and coursework from many different disciplines, including computer science, mathematics, and statistics. Students will have the chance to take part in research projects in addition to the required courses, both inside the department and with other departments and organizations. Students who complete the B.Tech. programme in Computer Science and Engineering (Artificial Intelligence and Machine Learning) will be well-versed in the theories and methods of AI & ML and will be qualified for employment in a range of fields and positions, including data analysis, software development, and research.



MALLA REDDY COLLEGE OF ENGINEERING

(Approved by AICTE-New Delhi, Affiliated to JNTUH-Hyderabad)

Recognized under Section 2(f) & 12(B) of the UGC Act 1956,

An ISO 9001:2015 Certified Institution.

Maisammaguda, Dhullapally, post via Kompally, Secunderabad - 500100

Poster

KNOWLEDGE IS DIVINE
MALLA REDDY COLLEGE OF ENGINEERING

PLEXUS
UNITED BY NERVES

DEPARTMENT OF CSE (AIML)
IN ASSOCIATION WITH PLEXUS

Mode : Online 29 Jan - 02 Feb, 2024

Organizing

A NATIONAL LEVEL
FACULTY DEVELOPMENT PROGRAM ON
**“RECENT ADVANCES IN AI AND
THEIR APPLICATIONS”**

Speakers

DAY 1 - Dr. Karthick Raghunath
DAY 2 – Mr. Ramachandiran veerasamy
DAY 3 – Dr. M Narendhar
DAY 4 – Dr V Vivekanandhan
DAY 5 – Dr. P Srilatha

Co-Convener
Mr. Anantha Raman
HOD(CSE)-ALML, MRCE

Convener
Dr. Maram Ashok
Principal, MRCE



MALLA REDDY COLLEGE OF ENGINEERING

(Approved by AICTE-New Delhi, Affiliated to JNTUH-Hyderabad)

Recognized under Section 2(f) & 12(B) of the UGC Act 1956,

An ISO 9001:2015 Certified Institution.

Maisammaguda, Dhullapally, post via Kompally, Secunderabad - 500100

ABOUT THE EVENT

The Department of Computer Science and Engineering (Artificial Intelligence & Machine Learning), **Malla Reddy College of Engineering**, successfully organized a **5 days National Level Faculty Development Program (FDP)** on the theme “**Recent Advances in AI and Their Applications**” from **29th January to 02nd February 2024**. The event was conducted in online mode, bringing together faculty members from engineering, sciences, management, and allied disciplines across the country.

The FDP was inaugurated with a warm welcome address by the organizing committee, followed by the introduction of the objectives of the program. The event was graced by eminent resource persons from leading industries and academic institutions, their sessions reflected the urgent need for aligning academic teaching with real-world industry requirements and preparing students to become competent, employable, and future-ready professionals.

Recent Advances in AI and Their Applications: A national-level FDP designed to provide faculty with the latest insights, tools, and technologies in modern Artificial Intelligence and its multidisciplinary applications.

In the following days, the sessions covered diverse and impactful topics such as:

Day 1 – Foundations and Trends in Modern AI

Session 1: Evolution of AI: From Machine Learning to Generative AI

A quick journey through how AI grew from traditional ML algorithms to today’s powerful generative models capable of text, images, and autonomous reasoning.

Session 2: Breakthrough Models: GPT-5, Llama, Gemini & Multimodal AI

Overview of cutting-edge AI models, highlighting their multimodal abilities, large-scale training, and real-world applications in automation and creativity.



MALLA REDDY COLLEGE OF ENGINEERING

(Approved by AICTE-New Delhi, Affiliated to JNTUH-Hyderabad)

Recognized under Section 2(f) & 12(B) of the UGC Act 1956,

An ISO 9001:2015 Certified Institution.

Maisammaguda, Dhullapally, post via Kompally, Secunderabad - 500100

Session 3: Ethical AI, Responsible AI & Policy Development

Introduction to fairness, transparency, AI safety, and global policies that ensure AI technologies are trustworthy and responsibly deployed.

Day 2 – Applied Machine Learning & Deep Learning

Session 1: Advances in Deep Learning: Vision, NLP & Multi-task Models

Focus on the latest improvements in CNNs, transformers, and multi-task neural networks that handle multiple tasks efficiently.

Session 2: Reinforcement Learning and Autonomous Decision Systems

Explains how intelligent agents learn through rewards and penalties to enable robotics, gaming, and autonomous systems.

Session 3: AI for Education: Automated Assessment, Virtual Labs, Smart Tutoring

Explores AI-driven tools that support educators through automated grading, interactive labs, and personalized tutoring systems.

Day 3 – Emerging AI Technologies

Session 1: Edge AI and Real-Time Processing (IoT + AI)

Covers running AI models on IoT and low-power devices for real-time responses in smart homes, healthcare, and surveillance.

Session 2: Explainable AI (XAI) and Model Interpretability

Introduces methods like SHAP and LIME that help explain how AI models make decisions, improving trust and accountability.

Session 3: Generative AI Tools for Teaching & Research (Text, Image, Code)

Shows how educators and researchers can use generative tools to create content quickly—such as notes, diagrams, datasets, and code snippets.



MALLA REDDY COLLEGE OF ENGINEERING

(Approved by AICTE-New Delhi, Affiliated to JNTUH-Hyderabad)

Recognized under Section 2(f) & 12(B) of the UGC Act 1956,

An ISO 9001:2015 Certified Institution.

Maisammaguda, Dhullapally, post via Kompally, Secunderabad - 500100

Day 4 – AI in Industry and Research

Session 1: Applications in Healthcare, Agriculture, Finance & Cybersecurity

Provides real-world examples of how AI improves diagnosis, crop monitoring, fraud detection, and cyber threat prevention.

Session 2: Building AI-Driven Research Models & Datasets

Covers best practices in dataset creation, data cleaning, model development, and preparing research-grade AI pipelines.

Session 3: Hands-on: Using AI Platforms, APIs, and No-Code AI Tools

Participants practice using cloud AI services, APIs, and no-code platforms to build ML models without programming.

Day 5 – AI Project Development & Future Directions

Session 1: Developing Research Problems in AI

Guides participants on identifying gaps, framing research questions, and selecting suitable AI techniques for academic projects.

Session 2: Writing Research Papers & Funding Proposals in AI

Explains structure, methodology, and publication strategies along with drafting strong proposals for funding agencies.

Session 3: Open Discussion, Q&A, and Feedback

A collaborative space for participants to clarify doubts, share insights, and discuss future trends and research opportunities.



MALLA REDDY COLLEGE OF ENGINEERING

(Approved by AICTE-New Delhi, Affiliated to JNTUH-Hyderabad)

Recognized under Section 2(f) & 12(B) of the UGC Act 1956,

An ISO 9001:2015 Certified Institution.

Maisammaguda, Dhullapally, post via Kompally, Secunderabad - 500100

The interactive nature of the FDP stood out as a strong point. Faculty participants actively engaged in discussions, shared classroom challenges, and collaborated on innovative teaching practices. By the end of the week, participants expressed that the FDP had greatly enriched with updated knowledge on **cutting-edge developments in Artificial Intelligence and to enhance their ability to integrate modern AI techniques** into teaching, research, and real-world applications

The program concluded with a **valedictory session**, during which participants shared their feedback, describing the FDP as “enlightening,” “practically useful,” and “highly motivating.” Certificates of participation were distributed to all faculty members, acknowledging their commitment to continuous learning and professional growth.

In summary, the **FDP on “Recent Advances in AI and Their Applications”** was a resounding success. It not only enhanced the professional capacity of faculty members but also equipped them with strategies to mentor and prepare students for the rapidly changing technological world. The event marked a significant step toward strengthening the bridge between academia and industry, reaffirming MRCE’s commitment to academic excellence, innovation, and holistic development.



MALLA REDDY COLLEGE OF ENGINEERING

(Approved by AICTE-New Delhi, Affiliated to JNTUH-Hyderabad)

Recognized under Section 2(f) & 12(B) of the UGC Act 1956,

An ISO 9001:2015 Certified Institution.

Maisammaguda, Dhullapally, post via Kompally, Secunderabad - 500100

FDP – AIM, PURPOSE AND IMPORTANCE

AIM

The aim of this Faculty Development Program on “**Recent Advances in AI and Their Applications**” is to equip faculty members with updated knowledge on modern Artificial Intelligence technologies and empower them to integrate advanced AI concepts, tools, and applications into teaching, learning, and research activities.

PURPOSE

The purpose of this FDP is to provide a comprehensive platform where participants can:

- Understand the **latest breakthroughs** in AI such as deep learning, generative AI, edge AI, explainable AI, and multimodal systems.
- Gain exposure to **industry-driven applications** of AI across healthcare, agriculture, finance, cybersecurity, smart cities, and education.
- Enhance their ability to design **AI-based research projects**, prepare datasets, and apply scientific methodologies.
- Learn to use **AI tools and platforms** that support teaching, assessment, content creation, and research productivity.
- Foster collaboration between faculty, researchers, and industry practitioners to bridge the gap between academia and modern technological demands.



MALLA REDDY COLLEGE OF ENGINEERING

(Approved by AICTE-New Delhi, Affiliated to JNTUH-Hyderabad)

Recognized under Section 2(f) & 12(B) of the UGC Act 1956,

An ISO 9001:2015 Certified Institution.

Maisammaguda, Dhullapally, post via Kompally, Secunderabad - 500100

IMPORTANCE

This FDP holds significant importance as it:

- Helps faculty stay aligned with **rapid advancements** in AI technologies that are transforming every sector.
- Strengthens the academic ecosystem by encouraging **innovative teaching strategies** supported by AI-based tools.
- Enhances faculty competency to guide students in **projects, internships, and research** related to emerging AI technologies.
- Promotes the development of **high-quality publications**, project proposals, and interdisciplinary research in AI.
- Prepares educators to create a **future-ready learning environment** where students gain relevant skills for industry 4.0 and beyond.
- Helps institutions integrate **cutting-edge AI practices**, driving academic excellence, research enhancement, and societal impact.

In essence, this FDP was not just about academic enrichment but about transforming faculty into catalysts who can inspire and guide students to thrive in the competitive global environment. It highlighted MRCE's commitment to continuous faculty development, innovation in education, and the holistic preparation of students to meet the challenges of the future workforce.



MALLA REDDY COLLEGE OF ENGINEERING

(Approved by AICTE-New Delhi, Affiliated to JNTUH-Hyderabad)

Recognized under Section 2(f) & 12(B) of the UGC Act 1956,

An ISO 9001:2015 Certified Institution.

Maisammaguda, Dhullapally, post via Kompally, Secunderabad - 500100

SUMMARY

The National Level Faculty Development Programme on “**Recent Advances in AI and Their Applications**”, organized by the Department of **CSE(AI & ML)**, Malla Reddy College of Engineering (MRCE), will be conducted entirely through online.

To ensure smooth communication and timely updates throughout the programme we have created a dedicated WhatsApp group. Participants are encouraged to join the group using the link below to stay connected, engage with peers, and receive important announcements. Session links will be shared with participants via email ahead of each session.

Important:

FDP Dates: **29th January – 2nd February 2024**

Mode: **Online**

Total No. of Participants: 90

All sessions will be conducted via **Cisco Webex**.

Note: We kindly request you to download and install the Cisco Webex Meetings app in advance to avoid any last-minute issues.

Installation links:

- **For Desktop/Laptop:** <https://www.webex.com/downloads.html>
- **For Android:**
<https://play.google.com/store/apps/details?id=com.cisco.webex.meetings>
- **For iOS (iPhone/iPad):** <https://apps.apple.com/app/id298844386>
- **WhatsApp Group Link :** <https://chat.whatsapp.com/LB23xHpe8qy4MdT7KpA4ZS>
- **FDP Session Link :**
<https://netacad.webex.com/netacad/j.php?MTID=m8e24f6c91db35948e76a995e3e8d5a2a>



MALLA REDDY COLLEGE OF ENGINEERING

(Approved by AICTE-New Delhi, Affiliated to JNTUH-Hyderabad)

Recognized under Section 2(f) & 12(B) of the UGC Act 1956,

An ISO 9001:2015 Certified Institution.

Maisammaguda, Dhullapally, post via Kompally, Secunderabad - 500100

Content and Session

The Faculty Development Program (FDP) commenced with a warm welcome and introductory speech by **Mr. R. Venkatesh**, Assistant Professor, who acknowledged the dignitaries and key figures behind the initiative. He first welcomed the visionary leader of MRCE, our respected Principal, **Dr. Maram Ashok**, who delivered the inaugural address,
Day 1

Day 1

Title: “Online Faculty Development Programme”

Name of Guest Speaker: Dr. Karthick Raghunath

Topic: Foundations & Trends in Modern AI

Objectives: Understanding evolution of AI and emerging generative models

Organization Name: Malla Reddy College of Engineering

Day and Date: January 29th , 2024

Venue: Online Platform

Session Link:

<https://netacad.webex.com/netacad/j.php?MTID=mc68ab34b31afbd06307c886f7038f5c0>

Time: 6:00 p.m. to 7:30 p.m.

Feedback Link: <https://11nk.dev/9CUNV>

Mr. R. Venkatesh then introduced the Chief Guest, **Dr. Karthick Raghunath K M**,
Professor at JAIN University, Bengaluru



MALLA REDDY COLLEGE OF ENGINEERING

(Approved by AICTE-New Delhi, Affiliated to JNTUH-Hyderabad)

Recognized under Section 2(f) & 12(B) of the UGC Act 1956,

An ISO 9001:2015 Certified Institution.

Maisammaguda, Dhullapally, post via Kompally, Secunderabad - 500100

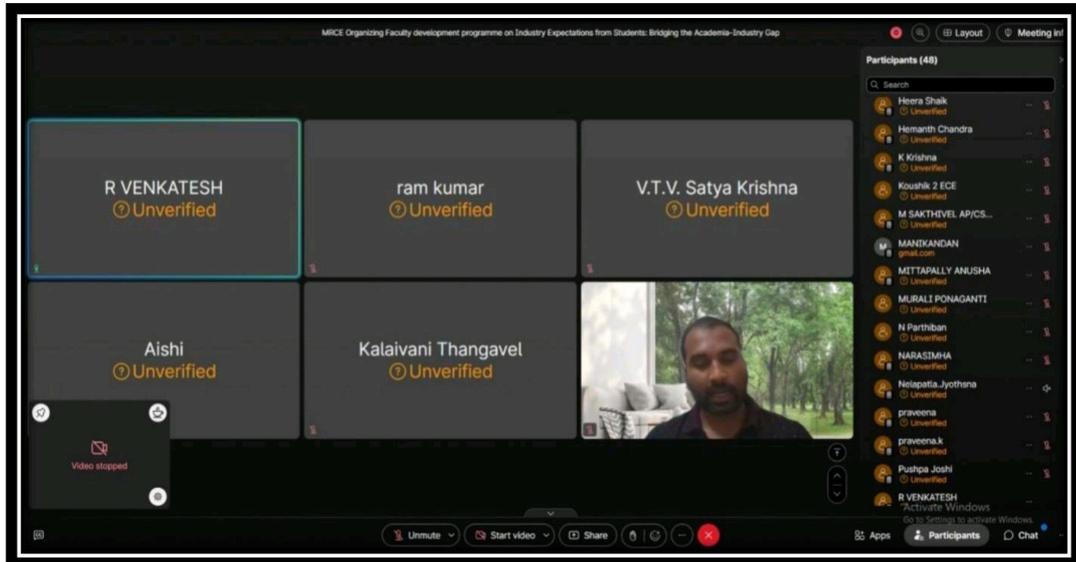


Fig. Inaugural and Introduction of **Dr. Karthick Raghunath K M**

In his session, Dr. Karthick Raghunath K M valuable insights on *Foundations & Trends in Modern AI* he highlighted Understanding evolution of AI and emerging generative models

- A quick journey through how AI grew from traditional ML algorithms to today's powerful generative models capable of text, images, and autonomous reasoning.
- Role-specific hiring trends (Full-stack, Data Engineer, Security Analyst, etc.)
- Overview of cutting-edge AI models, highlighting their multimodal abilities, large-scale training, and real-world applications in automation and creativity.
- Introduction to fairness, transparency, AI safety, and global policies that ensure AI technologies are trustworthy and responsibly deployed.

The day1 session concluded with a heartfelt Vote of Thanks delivered by Mr. R. Venkatesh, Assistant Professor, who expressed gratitude to all the dignitaries, speakers, and participants for their valuable contributions and enthusiastic participation.



MALLA REDDY COLLEGE OF ENGINEERING

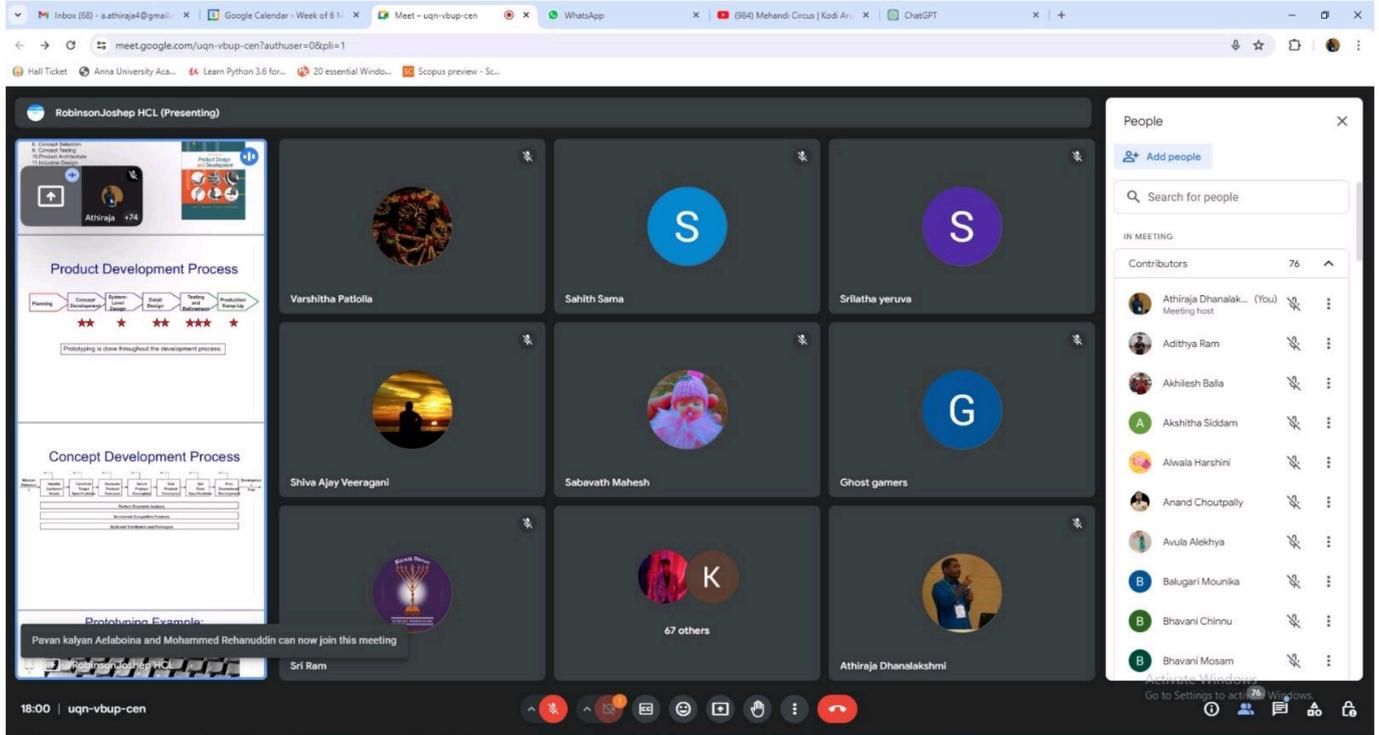
(Approved by AICTE-New Delhi, Affiliated to JNTUH-Hyderabad)

Recognized under Section 2(f) & 12(B) of the UGC Act 1956,

An ISO 9001:2015 Certified Institution.

Maisammaguda, Dhullapally, post via Kompally, Secunderabad - 500100

Day2



Title: “Online Faculty Development Programme”

Name of Guest Speaker: Mr. Ramachandiran Veerasamy

Topic: Applied Machine Learning & Deep Learning

Objectives: Exposure to latest DL architectures, RL systems, and educational AI tools

Organization Name: Malla Reddy College of Engineering

Day and Date: January 30th , 2024

Venue: Online Platform

Session Link:

<https://netacad.webex.com/netacad/j.php?MTID=md2e8b77ab2aa0021340c8731eda908cc>

Time: 6:00 p.m. to 7:30 p.m.

Feedback Link: <https://11nk.dev/aiFDP-Day2>



MALLA REDDY COLLEGE OF ENGINEERING
(Approved by AICTE-New Delhi, Affiliated to JNTUH-Hyderabad)
Recognized under Section 2(f) & 12(B) of the UGC Act 1956,
An ISO 9001:2015 Certified Institution.
Maisammaguda, Dhullapally, post via Kompally, Secunderabad - 500100

In his session, Mr. Ramachandiran Veerasamy valuable insights on **Applied Machine Learning & Deep Learning** he highlighted Understanding evolution of AI and emerging generative models

Advances in Deep Learning: Vision, NLP & Multi-task Models

Focus on the latest improvements in CNNs, transformers, and multi-task neural networks that handle multiple tasks efficiently.

Reinforcement Learning and Autonomous Decision Systems

Explains how intelligent agents learn through rewards and penalties to enable robotics, gaming, and autonomous systems.

AI for Education: Automated Assessment, Virtual Labs, Smart Tutoring

Explores AI-driven tools that support educators through automated grading, interactive labs, and personalized tutoring systems.

Day 3

Title: “Online Faculty Development Program”

Name of Guest Speaker: Dr . M Narendhar

Topic: Emerging AI Technologies – Edge AI, XAI & Generative Tools

Objectives: Demonstrating real-time edge AI and model interpretability

Organization Name: Malla Reddy College of Engineering

Day and Date: January 31st , 2024

Venue: Online Platform

Session Link:

<https://netacad.webex.com/netacad/j.php?MTID=me44cc8fcb12a03e8f7fbbb4d2895a240>

Time: 6:00 p.m. to 7:30 p.m.

Feedback Link: <https://11nk.dev/aiFDP-Day3>



MALLA REDDY COLLEGE OF ENGINEERING

(Approved by AICTE-New Delhi, Affiliated to JNTUH-Hyderabad)

Recognized under Section 2(f) & 12(B) of the UGC Act 1956,

An ISO 9001:2015 Certified Institution.

Maisammaguda, Dhullapally, post via Kompally, Secunderabad - 500100

In his session, Dr. M Narendra valuable insights **on Emerging AI Technologies – Edge AI, XAI & Generative Tools** he highlighted Understanding evolution of AI and emerging generative models

Edge AI and Real-Time Processing (IoT + AI)

Covers running AI models on IoT and low-power devices for real-time responses in smart homes, healthcare, and surveillance.

Explainable AI (XAI) and Model Interpretability

Introduces methods like SHAP and LIME that help explain how AI models make decisions, improving trust and accountability.

Generative AI Tools for Teaching & Research (Text, Image, Code)

Shows how educators and researchers can use generative tools to create content quickly—such as notes, diagrams, datasets, and code snippets.

Day 4

Title: “Online Faculty Development Program”

Name of Guest Speaker: Dr. V Vivekanandhan

Topic: AI in Industry and Research

Objectives: Understanding real-world AI applications and research model building

Organization Name: Malla Reddy College of Engineering

Day and Date: February 1st, 2024

Venue: Online Platform

Session Link:

<https://netacad.webex.com/netacad/j.php?MTID=m33102a7cd2f08d4475810e208c80c029>

Time: 6:00 p.m. to 7:30 p.m.

Feedback Link: <https://lnk.dev/aiFDP-Day4>



MALLA REDDY COLLEGE OF ENGINEERING

(Approved by AICTE-New Delhi, Affiliated to JNTUH-Hyderabad)

Recognized under Section 2(f) & 12(B) of the UGC Act 1956,

An ISO 9001:2015 Certified Institution.

Maisammaguda, Dhullapally, post via Kompally, Secunderabad - 500100

In his session, Dr. V Vivekanandhan valuable insights on **Understanding real-world AI applications and research model building** he highlighted Understanding evolution of AI and emerging generative models

Applications in Healthcare, Agriculture, Finance & Cybersecurity

Provides real-world examples of how AI improves diagnosis, crop monitoring, fraud detection, and cyber threat prevention.

Building AI-Driven Research Models & Datasets

Covers best practices in dataset creation, data cleaning, model development, and preparing research-grade AI pipelines.

Hands-on: Using AI Platforms, APIs, and No-Code AI Tools

Participants practice using cloud AI services, APIs, and no-code platforms to build ML models without programming.

Day 5

Title: “Online Faculty Development Program”

Name of Guest Speaker: Dr P Srilatha

Topic: AI Project Development & Future Directions

Objectives: Building research problems, writing proposals, and exploring future AI trends

Organization Name: Malla Reddy College of Engineering

Day and Date: February 2nd, 2024

Venue: Online Platform



MALLA REDDY COLLEGE OF ENGINEERING

(Approved by AICTE-New Delhi, Affiliated to JNTUH-Hyderabad)

Recognized under Section 2(f) & 12(B) of the UGC Act 1956,

An ISO 9001:2015 Certified Institution.

Maisammaguda, Dhullapally, post via Kompally, Secunderabad - 500100

Session Link:

<https://netacad.webex.com/netacad/j.php?MTID=m11a51f0874d790d9d311de1ea70bfb29>

Time: 6:00 p.m. to 7:30 p.m.

Feedback Link: <https://11nk.dev/aiFDP-Day5>

In his session, Dr. P.Srilatha valuable insights on **AI Project Development & Future Directions** he highlighted Understanding evolution of AI and emerging generative models

Developing Research Problems in AI

Guides participants on identifying gaps, framing research questions, and selecting suitable AI techniques for academic projects.

Writing Research Papers & Funding Proposals in AI

Explains structure, methodology, and publication strategies along with drafting strong proposals for funding agencies.

Open Discussion, Q&A, and Feedback

A collaborative space for participants to clarify doubts, share insights, and discuss future trends and research opportunities and participants for their valuable contributions and enthusiastic participation.



MALLA REDDY COLLEGE OF ENGINEERING

(Approved by AICTE-New Delhi, Affiliated to JNTUH-Hyderabad)

Recognized under Section 2(f) & 12(B) of the UGC Act 1956,

An ISO 9001:2015 Certified Institution.

Maisammaguda, Dhullapally, post via Kompally, Secunderabad - 500100

PROGRAM OUTCOMES

Program Specific Outcomes (PSOs)

By the end of the Faculty Development Program, the participants will be able to:

PSO 1 – Pedagogical Excellence

Adopt modern teaching-learning methodologies, tools, and practices to enhance classroom engagement and knowledge delivery.

PSO 2 – Research & Innovation Competence

Apply advanced concepts, methodologies, and tools in their domain to initiate quality research, publications, and industry-oriented projects.

PSO 3 – Industry-Academia Collaboration

Integrate insights from industry experts and current technological trends into curriculum design, student mentoring, and project guidance.

PSO 4 – Professional and Ethical Development

Incorporate ethical practices, inclusivity, and lifelong learning habits in academic and research activities to serve as role models for students.



MALLA REDDY COLLEGE OF ENGINEERING

(Approved by AICTE-New Delhi, Affiliated to JNTUH-Hyderabad)

Recognized under Section 2(f) & 12(B) of the UGC Act 1956,

An ISO 9001:2015 Certified Institution.

Maisammaguda, Dhullapally, post via Kompally, Secunderabad - 500100

Program Educational Objectives (PEOs)

The FDP aims to enable participants to:

PEO 1 – Continuous Upgradation of Knowledge

Strengthen their subject expertise and stay updated with emerging technologies and industry practices.

PEO 2 – Enhanced Teaching Competence

Develop innovative pedagogy and assessment strategies to improve student learning outcomes and employability.

PEO 3 – Research & Development Orientation

Encourage faculty to pursue research, secure funded projects, publish in reputed journals, and contribute to academic excellence.

PEO 4 – Holistic Faculty Growth

Foster a spirit of collaboration, adaptability, and professional responsibility, ensuring that faculty contribute effectively to the institution's mission and vision.

PEO 5 – Building Student-Centric Ecosystems

Equip faculty to mentor students effectively by guiding them through internships, projects, industry certifications, and career development activities.



MALLA REDDY COLLEGE OF ENGINEERING

(Approved by AICTE-New Delhi, Affiliated to JNTUH-Hyderabad)

Recognized under Section 2(f) & 12(B) of the UGC Act 1956,

An ISO 9001:2015 Certified Institution.

Maisammaguda, Dhullapally, post via Kompally, Secunderabad - 500100

CONCLUSION

The Five-Day Faculty Development Program (FDP) on “Recent Advances in AI and Their Applications” concluded successfully with an enriching blend of knowledge sharing, practical insights, and collaborative learning. Across five days, the sessions provided participants with a comprehensive understanding of emerging trends in Artificial Intelligence, including generative models, deep learning advancements, edge intelligence, explainability, and multidisciplinary applications.

Expert resource persons from academia and industry delivered impactful sessions that highlighted the rapid evolution of AI technologies and their transformative role in sectors such as healthcare, agriculture, finance, cybersecurity, education, and smart systems. Participants gained exposure to cutting-edge tools, AI platforms, research methodologies, dataset preparation, and responsible AI practices. The hands-on demonstrations and discussions enabled faculty to relate AI concepts to real-world applications, enhancing their teaching, research, and project mentoring abilities.

The FDP also strengthened the research orientation of participants by guiding them on identifying research gaps, formulating AI-based problem statements, writing research papers, and preparing funding proposals. Through interactive Q&A sessions, open discussions, and peer learning, faculty members exchanged ideas, clarified doubts, and explored innovative approaches for curriculum development and classroom implementation.

Overall, the FDP achieved its objective of equipping faculty with the latest AI knowledge and practical tools required to integrate modern AI advancements into academic and research activities. The program not only broadened the participants' technical horizon but also inspired them to adopt new-age pedagogical practices and contribute effectively to the advancement of their institutions.

The successful completion of this FDP marks a valuable step toward fostering a community of educators who are future-ready, research-driven, and capable of guiding students in an AI-powered world.



MALLA REDDY COLLEGE OF ENGINEERING

(Approved by AICTE-New Delhi, Affiliated to JNTUH-Hyderabad)

Recognized under Section 2(f) & 12(B) of the UGC Act 1956,

An ISO 9001:2015 Certified Institution.

Maisammaguda, Dhullapally, post via Kompally, Secunderabad - 500100

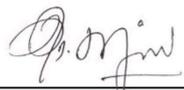
SAMPLE CERTIFICATE

 **CERTIFICATE** 
OF PARTICIPATION

This certificate is presented to:

R. Venkatesh

For participating in Five Day National level Faculty Development Program on “Recent Advances in AI and Their Applications ” held from 29th to 2nd February 2024 through online mode.


Dr. Anantha Raman G R
Co-Convener
HOD-CSE(AIML)-MRCE

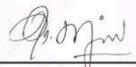

Dr. Maram Ashok
Convener
Principal,MRCE

 **CERTIFICATE** 
OF APPRECIATION

This certificate is presented to:

Dr. Karthick Raghunath

For your distinguished contribution as a Resource Person in the Five-Day National Level FDP on “Recent Advances in AI and Their Applications” conducted from 29th Jan to 02nd Feb 2024 through online mode.


Dr. Anantha Raman G R
Co-Convener
HOD-CSE(AIML)-MRCE


Dr. Maram Ashok
Convener
Principal,MRCE



MALLA REDDY COLLEGE OF ENGINEERING
(Approved by AICTE-New Delhi, Affiliated to JNTUH-Hyderabad)
Recognized under Section 2(f) & 12(B) of the UGC Act 1956,
An ISO 9001:2015 Certified Institution.
Maisammaguda, Dhullapally, post via Kompally, Secunderabad - 500100

o“A National level FDP on “Recent Advances in AI and Their Applications” Successfully organized and completed with support of convenor, co-convenor, Organizers

Signature

Convenor

: 
Principal
MALLA REDDY COLLEGE OF ENGG.
Maisammaguda, Dhullapally Post,
Kompally, Secunderabad-500 100, T.S

Co-conveners

: 

Organizers

: 1. 
2. 

THANK YOU!!