

ABOUT INSTITUTION

CMR Institute of Technology (CMRIT) is a premier Engineering institution affiliated to Visvesvaraya Technological University, Belagavi, approved by AICTE, New Delhi and recognized by the Government of Karnataka. Recently accredited by NAAC with A++ grade. The institution was established in the year 2000 by CMR Jnanadhara Trust.

ABOUT DEPARTMENT

The Department of Information Science & Engineering established in the year 2000, offers an undergraduate programme where students learn core computer aspects such as software, networking, programming, operating systems, web development, and database management. The programme also lets students master aspects such as the Internet-of-Things (IoT), cyber forensics, artificial intelligence, biometric management, and software development.

OBJECTIVES OF WORKSHOP

The objective of the FDP is to focus on generative AI cater to a wide range of audiences, including students, developers, data scientists, artists, researchers, and professionals interested in exploring the capabilities and creative potential of AI-generated content. The workshop serves as a platform for both beginners and more experienced individuals to delve into the fascinating world of generative AI, fostering learning, creativity, and innovation in this rapidly evolving field.

ABOUT WORKSHOP



Over the recent years, the AI industry has experienced tremendous growth with innovations and is poised to drive significant changes in the way we live and work. Generative AI is a type of AI technology that focuses on generating new data or content that is similar to the examples it was trained on. Industry requires individuals who not just understand the technical aspects of AI, but also its practical applications in businesses. This requirement has been fulfilled by Generative AI through its models which are capable of creating new content such as images, texts, music, and more, often by learning patterns and structures from large datasets. Focussing on the above requirement a workshop has been arranged that typically covers various aspects of generative models, providing participants with hands-on experience, theoretical knowledge, and practical skills in creating and understanding AI-generated content

PATRONS

Shri K. C. Ramamurthy Chairman, CMRGI
Dr. K. C. Sabitha Ramamurthy President, CMRJT , Chancellor, CMR University
Shri. K.R. Jayadeep CEO, CMRGI, Pro-Chancellor, CMR University

ADVISORY COMMITTEE

Dr. Sanjay Jain, Principal, CMRIT
Dr. B. Narasimha Murthy, Vice-Principal, CMRIT
Dr. M. Farida Begam, HOD, Department of ISE

WORKSHOP COORDINATORS

1. Dr. S. Seetha, Associate Professor
ISE Department CMRIT Bengaluru.
2. Dr. M. Poorani, Assistant Professor
ISE Department CMRIT Bengaluru.

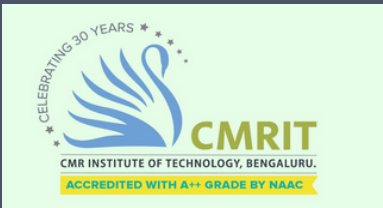


One Week Online Workshop On Generative AI - Models, Tools & Applications

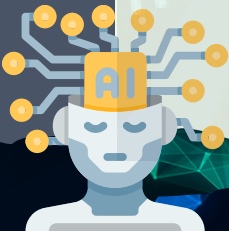


DATE

29-01-24 To 02-02-24



CMR Institute of Technology,
#132, AECS Layout, ITPL Main Road
BENGALURU-560037



WORKSHOP CONTENTS

The various sessions of the workshop includes,
1. Introduction to Generative Models (GANs)
2. Variational Autoencoders (VAEs)
3. Text Generation Models (RNNs, LSTM, Transformer Models, BERT)
4. Style Transfer, Image to Image transfer & Deepfake

5. Langchain - Application Development
6. Application Specific Models

All the sessions are mostly focused with Hands on coding session for the participants, which allow them to work with different coding framework and tools that were used to implement generative AI models. Discussions or case studies showcasing real-world applications of generative AI across various domains such as art, design, music, text generation, image synthesis, healthcare will be done.. Finally ethical implications of generative AI, including issues related to bias, fairness, privacy, and responsible use of AI-generated content will be discussed.

ELIGIBILITY

1. All the faculties & Research Scholars from AICTE approved institutions are eligible.
2. Students of M.Tech./B.Tech/ Ph.D with any specialization are eligible to apply.
3. Limited Number of participants .
4. Participants will be selected on first-come first-served basis.
5. The online registration is mandatory.

PREREQUISITES

Basic coding and conceptual knowledge in Python or any programming

REGISTRATION FEES

Pay registration fee of ₹ 500/- online using the following details:

Beneficiary Name: CMRIT HOD ISE

Bank Name: Bank of India

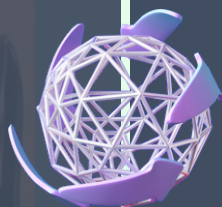
Branch: AECS Layout, Bengaluru

A/c No: 843410110003987

IFSC Code: BKID0008434

REGISTRATION LINK

<https://forms.gle/BuGSfckJYY2BPLBj8>



SESSION DETAILS:

SL NO	DATE & TIME	RESOURCE PERSON	TOPICS
1.	29.01.2024 2.30 PM to 5.30 PM	Dr. Thangavel Murugan, Assistant Professor, Dept. of Information Systems Security, College of Information Technology, United Arab Emirates University, Al Ain, UAE.	<ul style="list-style-type: none">• Introduction to Generative Adversarial network (GANs)• Conditional GANs(cGANs)
2.	30.01.2024 1PM to 4PM	Dr. S. Krithika, Assistant Professor, School of Computing, VIT Chennai.	<ul style="list-style-type: none">• Conditional GANs(cGANs)
3.	31.01.2024 1PM to 4PM	Dr. Sathya, Senior ML Engineer, Avalara Technologies, Chennai.	<ul style="list-style-type: none">• Text Generation Models• Application-Specific Session
4.	01.02.2024 1PM to 4PM	Mr. Vinay R, Software Engineer, Akamai Technologies. Mr. Navdeep singh chaudhary, Software engineer, Bank of america.	<ul style="list-style-type: none">• Style Transfer• Image-to-Image Translation• Deep Fake
5.	02.02.2024 1PM to 4PM	Dr. K. Sivaselvi, Manager IT GaadiBazaar team, Cholamandalam Investment and Finance Company Limited, Chennai.	<ul style="list-style-type: none">• Langchain-Application Development

CONTACT DETAILS

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