



**An Autonomous Institute**

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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE  
LEARNING**

**MVJ COLLEGE OF ENGINEERING**

**BENGALURU-67**

**ACADEMIC YEAR 2022-23**

**A REPORT ON SHORT-TERM TRAINING PROGRAM(STTP) - IMAGE  
PROCESSING TECHNIQUES USING GENERATIVE AI**

**REPORT ON**  
**SHORT-TERM TRAINING PROGRAM(STTP)**  
**IMAGE PROCESSING TECHNIQUES USING GENERATIVE AI**

**Name of the Training program:** Image Processing Techniques using Generative AI

**Date:** 27 May 2023, Saturday

**Venue:** Dr. M V Jayaraman Auditorium

**Resource Person:** Mr. Pranav Durai, Computer Vision Engineer, Big Vision LLC, San Diego, California, USA

**Objective of the Short-Term Training Program**

The Short-Term Training Program (STTP) - Image Processing Techniques Using Generative AI aims at providing industry exposure to students where experts from reputed organizations would help students get a deeper understanding of Image Processing techniques. Students will learn in qualitatively and quantitatively method about the fundamentals of Image Processing using Generative AI.

The objective of the Training Program is to encourage the students of our institution to improve their knowledge and skills in Image processing and Artificial Intelligence and help them to shape their career through excellence in the field.

The program was organized with the objective to provide platform for the students to showcase their talent with a competitive spirit.

**About the event**

Department of Computer Science Engineering and Artificial Intelligence & Machine Learning Engineering has organized a Short-Term Training Program on **Image Processing Techniques Using Generative AI** on 27.05.2023 at 10:30 in Dr. M V Jayaraman auditorium. The training program was led and executed successfully under the guidance of Prof. Syed Musadiq Illahi. The 6th, and 8th semester students of the department of CSE and AIML have attended the event.

SHORT TERM TRAINING PROGRAMME ON

# Image Processing using Generative AI

 **Date**

Saturday  
May 27th

 **Time**

From  
10:30AM

**PRANAV DURAI**

COMPUTER VISION ENGINEER  
AT BIG VISION | QUANTUM AI  
RESEARCHER



FROM THE DEPARTMENT OF CS AND AI&ML

## Activities in the Event

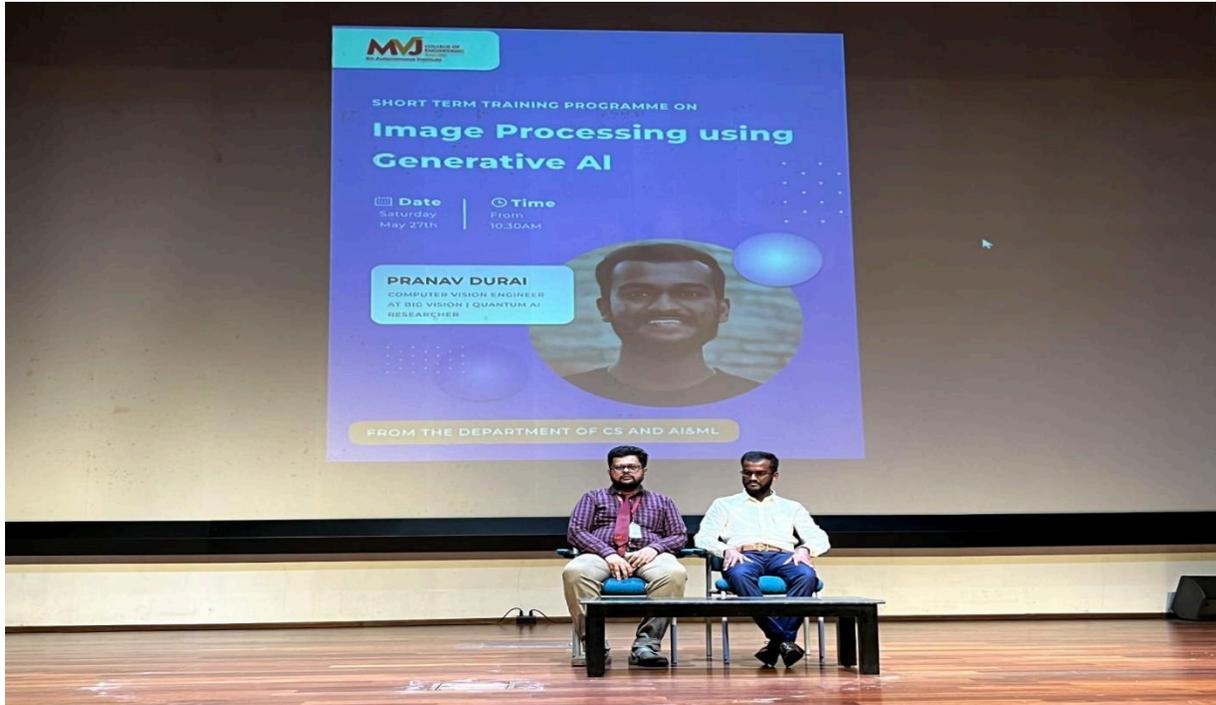
In short-term training program on Image Processing using Generative AI, the Resource person –Mr. Pranav Durai, a computer vision engineer from BIG VISION shared his valuable knowledge about computer vision, image processing and Generative AI.

The training program was conducted in two sessions: Morning and Afternoon.

In the Morning session (10:30-12:30), students were taught about the different models and techniques that are used in image processing and Generative AI which are capable of correcting any missing, blurred, or misleading visual elements in the images, resulting in stunning, realistic, and high-quality images.

In the Afternoon hands on session (1:30-3:30), students were allowed to understand image processing and Generative AI practically by developing code and building models under the guidance of Mr. Pranav Durai. The models or the topics that were covered in this session are-

histogram for image processing, spatial filtering, point pixel processing and classical image processing techniques. Around 200 students of 8<sup>th</sup> sem CSE, 6<sup>th</sup> sem CSE, 6<sup>th</sup> sem AI & ML along with faculties participated in the short term training program.



**The Chief Guests**



## Mr. Pranav discussing about history of Generative Models



## Outcome of the Training Program

The outcome of the Training Program are as follows:

- Students were able to understand the importance of Image Processing, Artificial Intelligence, Generative AI models along with python programming using google Colab.
- They were able to know their ability and skills in technical and coding.