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School of Computer Sciences


Priyadarsini Hills,
Kottayam, Kerala, India, Pin:
686560


International Centre for Free and Open Source Software

Greenfield Stadium, Opposite
University of Kerala Campus,
Karyavattom,
Thiruvananthapuram, Kerala
695581



5 Days Workshop on Machine Learning and Deep Learning Techniques with Digital Image Processing

Organized by
School of Computer Sciences and C\$\$A
In Association with ICFOSS
On Google Meet 

JULY 05- 09
10:00 AM - 01:00 PM 

School of Computer Sciences
Mahatma Gandhi University, Kottayam

Dear Sir/Madam,

School of Computer Sciences, Mahatma Gandhi University, Kottayam and Computer Science Student Association(C\$\$A) in collaboration with International Center for Free and Open Source Software (ICFOSS) is hosting a five day workshop titled "MACHINE LEARNING AND DEEP LEARNING TECHNIQUES WITH DIGITAL IMAGE PROCESSING", on 5th to 9th July 2021.

Machine learning is used in various domains and it is expanding as the available amount of data increases with time. Machine learning proposes an abundance of techniques to extract knowledge from data that can be rendered into purposeful objectives. Machine learning along with computer vision has augmented many domains where medical diagnostic, statistical data analysis and algorithms, scientific research are included.

The workshop mainly handles the fundamentals of Digital image processing, DIP using Opencv, Transforms and Filters, Introduction to AI, Object Detection using YOLO.

We cordially invite all Faculty members, Research scholars and Post-Graduate students to the five day workshop.



1 Day

- Python Basics
- Numpy (Advanced)

- Digital Image Processing using OpenCV
- Fundamentals of DIP

2 Day

- DIP using OpenCV (Continued)
- Fundamentals of Digital Image Processing (Continued)
- Open CV Basics, Transforms and Filters, Image
- Analysis, Introduction to AI

3 Day

- Opencv Project Completion-Real Time
- Practical Approach - Real Time Image Processing
- Using Python & OpenCV
- Face Application
- Face Recognition

4 Day

- Deep Neural Networks
- Neural Network , Neural Network Training

5 Day

- Object Detection using YOLO