

## Workshop

#### on

# **Computer Vision using MATLAB**

Date: 09. 07. 2022

## **Resource Person Details** (Along With Specialization & Short Bio-Data):

- 1. Mr. Pickon Majumdar, MATLAB Application Engineer, Mathworks and ELMAX Systems and Solutions.
- 2. Mr. Subhrojyoti Moitra, MATLAB Application Engineer, Mathworks and ELMAX Systems and Solutions.

#### No. of Students and/or Faculty Participated: 19

Co-ordinator Details: Dr. Harish Chandra Mohanta, Associate Professor & HOD, ECE

#### **Objective:**

1. To know about deep learning algorithms and applications

#### **Detailed report of the activity:**

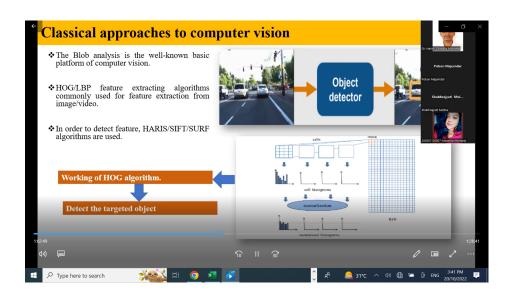
Deep Learning is a machine learning technique that teaches computers to do what comes naturally to humans: learn by example. In deep learning, a computer model learns to perform classification tasks directly from images, text, or sound. Deep learning models can achieve state-of-the-art accuracy, sometimes exceeding human-level performance. Models are trained using a large set of labelled data and natural network architectures containing many layers. It was an online event and 19 participants attended this online SDP/FDP.

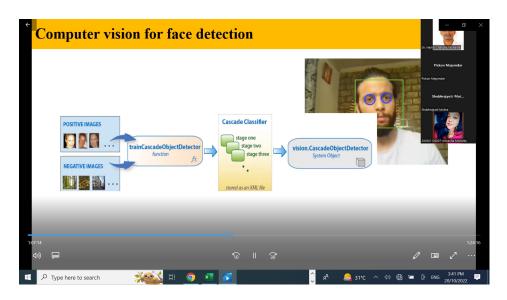
#### Topics Covered:

- 1. Overview of image processing, feature extraction & computer vision.
- 2. Deep learning for object recognition, and object segmentation.
- 3. Deep learning for object detection, and object tracking.
- 4. Case studies on Computer Vision.
- 5. Demo of a mobile robot

## **Photographs of the event:**







# **List of Students/Faculty Attended:**

			Facult	
		Departme	y/Stu	
	Participants Name	nt	dent	Qualification
			Facult	
1	Dr. Harish Chandra Mohanta	ECE	y	PhD
			Stude	
2	Tamminana.sumith kumar	ECE	nt	UG
			Stude	
3	Bikash Barik	CSE	nt	Graduation
			Stude	
4	Sachidananda Panda	ECE	nt	Graduate
			Stude	
5	Deba Priya Manna	ECE	nt	B. Tech 2nd year
			Stude	
6	Anwesha Mohanty	ECE	nt	B tech
			Stude	
7	Pooja Maharatha	EEE	nt	B.Tech
			Stude	
8	MANISH KUMAR NIRALA	CSE	nt	B.TECH
			Facult	
9	Dr. Trilochan Penthia	EEE	y	PhD
			Stude	
10	Tinku Lal	CSE	nt	B.Tech
			Stude	
11	Banita Kumari Panigrahi	Btech cse	nt	Graduated
			Stude	
12	Dhiraj kumar	ECE	nt	BTech 2nd year
			Stude	
13	Abhishek Kumar Bhagat	ECE	nt	Pursuing Btech
			Facult	
14	N.Jeebaratnam	ECE	y	M.tech

			Stude	
15	Abhimanyu Kumar	CSE	nt	Graduate(pursuing)
			Stude	
16	SURYA KANTA TARENIA	Physics	nt	MSc
			Stude	
17	Richa Mohanty	Biotech	nt	Persuing Btech
			Stude	
18	Sibasoni Devi	IT	nt	Persuing BSc
			Facult	
19	Dr.Murali Malijeddi	ECE	у	PhD

## **Brochure related to the event:**



Hola

Dr. Harish Chandra Mohanta

Associate Professor & HOD, ECE