

## **CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT,**

## **ODISHA** FDP

on

## 'Fundamental of Image and Video Processing'

Date: 24-06-2021 to 29-06-2021

**Resource Person** 

Dr. Jharna Majumdar Dr. Sasmita Kuamri Nayak Mr. Nilamadhab Dash Mr. Sudeep Centurion University of Technology and Management

**Co-ordinator** 

Dr. Sujata Chakravarty

Department of Computer Science and Engineering

No. of Participants: 25

#### About the Session:

This session gives a brief introduction about Machine learning, image processing, Video Processing and its applications. In this session, hands-on training is provided each day for practice, which helps to use in various recent applications used in real-world applications.

#### **Objectives:**

- To introduce Machine learning and Video processing
- To introduce different ML techniques with different applications
- To implement various techniques of video and image processing

#### **Outcome:**

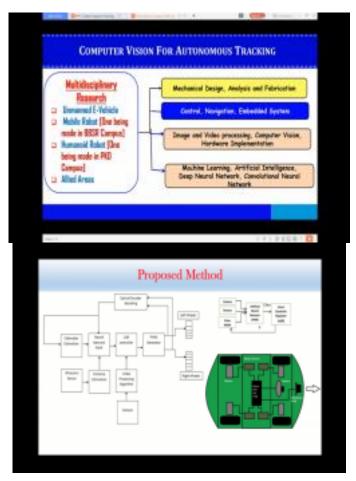
This session helps to design and implement various machine learning algorithms to use in realworld applications by gaining the knowledge of issues and challenges of machine learning. Also, it helps to implement the various issues of image and video applications.

#### **Photographs of the event:**

23-06-2021

Computer vision for autonomous tracking by Dr. Jharna Majumdar

Design and Implementation of Neural network based Non-linear control system (LQR) for target tracking mobile robots by  ${\bf Mr.~Sudeep}$ 



#### 24-06-2021

Machine Learning and its Applications for Identification of Machine Parts, Medicinal Leaf and Diseased Leaf by **Dr. Jharna Majumdar** 

de losses à listence	The Sector of Marine Part
	7
(Net) (Net)	delement delement delement
XX¥	See Sec 1
Dest Dest	ne Parts

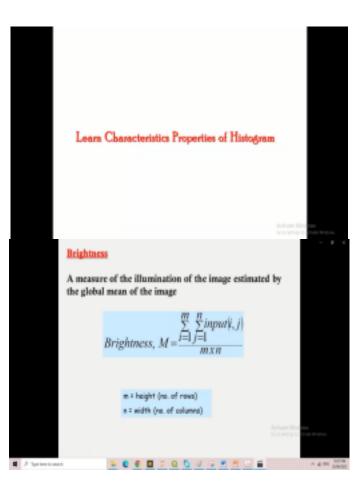


Introduction, Transition in Video, Machine Learning for Soft Transition in Video presented by **Dr. Jharna Majumdar** 



#### 26-06-2021

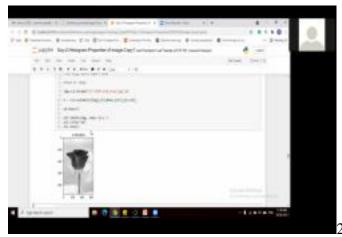
Statistical properties of an image with hadns-on presented by **Dr. Sasmita Kumari Nayak**, CSE.



#### 28-06-2021

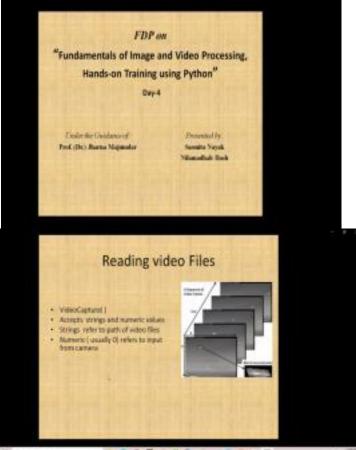
Hadns-on training on Learn moment and learn moment based characteristics properties of histogram of an image presented by **Dr. Sasmita Kumari Nayak,** CSE.





29-06-2021

Hadns-on training on Learn moment and learn moment based characteristics properties of histogram of an image presented by Mr. Nilamadhab Dash, CSE.







### WORKSHOP ON

# FDP on "Fundamental of Image and Video Processing"

24th June 2021 - 29th June 2021

Organized by:

Department of CSE In collaboration with Center of Data Science and Machine Learning

**Resource Person** 

Dr. Jharna Majumdar

Dr. Sasmita Kumari Nayak

Mr. Nilamadhab Dash

Mr. Sudeep

https://zoom.us/j/93242623375?pwd=SIVITU5zWW5KSjduMXBrSWhxSEZPUT09

Meeting ID : 932 4262 3375 Passcode : id2aXZ

centurion university of technology and management

List of Doution on to		
List of Participants		
1	RITESH KUMAR NAHAK	
2	DEEPAK KUMAR SAHU	
3	SIBIL SARJAM SOREN	
4	DUVVADA SAI KRISHNA	
5	PRABIN KUMAR CHOUDHURY	
6	RITESH KUMAR TARAI	
7	M. RAMAKRUSHNA	
8	SUMEET KUMAR SINGH	
9	ASHUTOSH DASH	
10	MOJJADA MORARJI	
11	DEVADI ESWARA RAO	
12	CHALLA PRADEEP KUMAR	
13	KOTRA SAI DINESH	
14	SAVARA NARESH KUMAR	

15	BURAGAPU ESWARA KUMAR
16	JANNI PRASAD
17	UDAY KUMAR DEVKAR
18	TARLI KIRAN KUMAR
19	DUMMU MANOHARA RAO
20	DHRUTI SUNDAR PADHY
21	JYOTI RANJAN MOHANTY
22	JITENDRA PANIGRAHI
23	AUROBINDA BISWAS
24	ASHUTOSH PANIGRAHI
25	JEETENDRA KUMAR BISOI

Paren

Dr. Prasanta Ku. Mohanty Dean Academic

Prof. KVD Prakash Dean - IIE & HRD