

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A GOVT. AIDED UGC AUTONOMOUS & NAAC ACCREDITED INSTITUTE, ESTABLISHED IN 1957)



IEEE

Two days webinar

ORGANIZED BY

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
&
IEEE STUDENT CHAPTER, MITS**

WEBINAR DETAILS:

DAY1:

TOPIC: MACHINE LEARNING WITH MATLAB

DATE & TIME: SATURDAY, 14TH AUGUST 2021, 14:00 PM TO 15:30 PM (1:30 HRS)

DAY2:

TOPIC: IMAGE PROCESSING & COMPUTER VISION WITH MATLAB

DATE & TIME: SATURDAY, 28TH AUGUST 2021, 14:00 PM TO 15:30 PM (1:30 HRS)

REGISTRATION LINK : <https://docs.google.com/forms/d/18CfMPNGhqfufyOstZGjkgKAcRPhrc9TKQPHPZuawEjg/edit?usp=sharing>

PATRON

Dr. R.K. Pandit

Director
MITS Gwalior

CONVENER

Dr. Manish Dixit

Prof. & Head CSE

COORDINATORS

Dr. Anjula Mahto (Assistant Professor, CSE)

Prof. Arun Kumar (Assistant Professor, CSE)



Date: 28/08/2021

Report of Webinar
on
"Machine Learning with MATLAB"

Type of activity:	Webinar
Title of the activity:	Machine Learning with MATLAB
Date and duration of activity:	14 August, 2021
Number of Participants:	21
Resource Person:	Mr. Anup Kumar Pandey(Sr. Manager- Sales Design Tech System Pvt. LTd.)
Objectives of the workshop:	1. To understand the concepts of Machine Learning & its workflow. 2. To identify the applications of Machine Learning in solving real world problems. 3. To evaluate various machine learning algorithms in MATLAB.
Outcome of the workshop:	1. Thorough understanding of the machine learning concepts and their implementation using MATLAB. 2. Solution of real world problems using machine learning algorithms implemented in MATLAB.


(Dr. Manish Dixit)

Prof. & Head

Dr. Manish Dixit
Professor & HOD
Department of CSE
M.I.T.S. Gwalior

Webinar Details:**Day1:****Topic:** Machine Learning with MATLAB**Date & Time:** Saturday, 14th August 2021, 14:00 PM to 15:30 PM (1:30 Hrs)**Day2:****Topic:** Image Processing & Computer Vision with MATLAB**Date & Time:** Saturday, 28th August 2021, 14:00 PM to 15:30 PM (1:30 Hrs)

Registration Link: <https://docs.google.com/forms/d/18CfMPNGhqfufyOstZGjkgKAcRPhrc9TKQPHPZuawEjg/edit?usp=sharing>

Agenda:**1. Machine Learning with MATLAB**

Learn how to get started using machine learning tools to detect patterns and build predictive models from your datasets. In this webinar, you will learn about several machine learning techniques available in MATLAB and how to quickly explore your data, evaluate machine learning algorithms, compare the results, and apply the best machine learning for your problem.

- What is Machine Learning?
- Types of Machine Learning
 - Supervised
 - Unsupervised
- Machine Learning Workflow
- Demo: Train a model to predict Diabetes
- Demo: Time series forecasting
- Summary/Q&A

2. Image Processing & Computer Vision made easy with MATLAB

In this webinar, you will learn how to use computer vision algorithms to solve real world imaging problems. Computer vision uses images and video to detect, classify, and track objects or events in order to understand a real-world scene.

Cameras are everywhere, even in your phone. You might have a new idea for using your camera in an engineering and scientific application, but have no idea where to start. While image processing can seem like a black art, there are a few key workflows to learn that will get you started.

- Image enhancement – removing noise and sharpening an image
- Image segmentation – isolating objects of interest and gathering statistics

- Image registration – aligning multiple images from different camera sources
- Find moving objects in video
- Analyze the motion of objects
- Summary/Q&A

Regards:

Anoop Kumar Pandey

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Dr.MANISH DIXIT <dixitmits@mitsgwalior.in>

Mon, Aug 2, 2021 at 10:53 PM

To: Anoop Kumar Pandey | DesignTech <anoopkumar.pandey@designtechsys.com>

Thanks

Dr.Manish Dixit

Professor and Head ,Deptt.of CSE

MITS,Gwalior

Vice Chair IEEE MP Subsection

Secretary IETE,Gwalior

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Anoop Kumar Pandey | DesignTech <anoopkumar.pandey@designtechsys.com>

Fri, Aug 13, 2021 at 10:30 AM

To: "Dr.MANISH DIXIT" <dixitmits@mitsgwalior.in>

Dear Sir,

Greeting From DesignTech!

With reference to given below email for MATLAB webinar scheduled for 14th August from 2:00 PM, there are 24 registration till now list as given below. Request you to please ask other remaining participants (if any) to register, I will share joining link by tomorrow to all registered participants.

Email Address	Name	Designation
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Regards:

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