



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY,
Dindigul – Palani Highway, Dindigul – 624 002.

Circular

1.2.2023

We are glad to inform you that based on the MOU with **Maxelerator Foundation, Madurai** an FDP has been planned exclusively for 20 faculty members on **"AI & ML" from 6.2.2023 to 10.2.2023.** Henceforth, Registered faculty members are requested to kindly make use of this opportunity and enrich their knowledge.

Note : Registered faculty members are requested to bring your Laptop for Hands On Session.

Resource Persons:

Mr.Nanu Swamy
Managing Director of Maxelerator Foundation, Madurai

Date & Time: 6.2.2023 to 10.2.2023 & 09.30 AM – 4.30 PM

Venue: CSE Lab – I

[Signature]
1/2/23
Program Coordinators
[Signature]
1/2/23

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1/2/23
HOD/CSE

[Signature]
Principal
3

Copy to: Chairman for kind information

Administrative Officer

HoD's

AUTO

Civil

CSE

ECE

EEE

MECH



[Signature]

Dr.D.SENTHIL KUMARAN, M.B., P.D., (MCA)
Principal
SSM Institute of Engineering and Technology
Ettathupattu Village, Sindalagundu (Po),
Palani Road, Dindigul - 624 002.

From

G. Prabu,
Associate Professor/CSE,
SSMIET,
Dindigul.

To

The Principal,
SSMIET,
Dindigul.

Respected Sir,

Subject: To organize Five-day FDP on "AI&ML" requested- reg;

I would like to bring to your kind notice that the Department of CSE planned to organize a **Five Day FDP on "AI & ML" from 6.2.2023 to 10.2.2023** for our faculty members. **Mr.Nanu Swamy, Managing Director of Maxelerator Foundation, Madurai** has accepted our invitation to act as a resource person. So, I request you to give approval to organize this program.

Thanking You

Dindigul

31/1/2023

G. Prabu
31/1/23
Yours Sincerely

[Dr. G. Prabu]

G. Prabu
31/1/23
Any
31/1/23
PROGRAM COORDINATORS

G. Prabu
31/1/23
HOD/CSE

Dr. D. Senthil Kumaran
31/1/23
PRINCIPAL



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ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

Every industry has been touched by AI-powered technology one way or the other. From software that can detect cancer cells to developing driverless vehicles in the automotive industry, to natural language processing - ML and AI has become the crucial cornerstone. AI is predicted to contribute \$15.7 trillion to the global economy by 2030 and the number of job opportunities are skyrocketing.

In this 5 day hands on workshop, we'll learn from hands on examples that will help you overcome the fear of embarking on building custom AI solutions for various types of problems. A basic knowledge of programming in python will be useful.

Tentative Agenda:

Date	Topics
06-02-2023	<ol style="list-style-type: none"> 1. Introductions 2. Pre-Evaluation 3. Traditional Programming vs Machine Learning? 4. Introduction to OpenAI/GPT3 5. Python Basics 6. Hands On Exercises
07-02-2023	<ol style="list-style-type: none"> 1. Machine Learning Lifecycle 2. ML Types and Algorithms 3. Machine Learning tools / libraries: Tensorflow, Keras 4. Browser Based Machine Learning 5. Design of Real Time Machine Learning System - 1 6. Hands On Exercises
08-02-2023	<ol style="list-style-type: none"> 1. Data Annotation Tools 2. Introduction to Neural Networks 3. ML Models



Dr.D.SENTHIL KUMARAN, M.E. PH

Principal

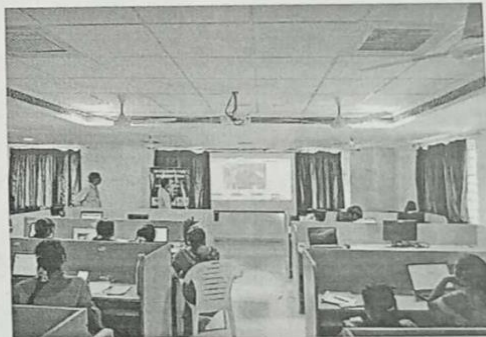
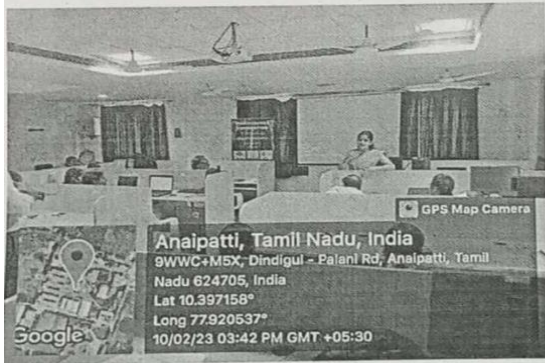
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	4. Image Classification (Transfer Learning, KNN Classifier) 5. PoseNet, Face-api, FaceMesh, HandPose 6. Design of Real Time Machine Learning System - 2
09-02-2023	1. AI Demos - Image Classification on Edge 2. Pytorch as a Deep Learning Framework, 3. Building Neural Network From Scratch, 4. Custom Object Detection - YoloV5 5. In & At Memory Computation 6. Design of Real Time Machine Learning System - 3 7. Hands on exercises
10-02-2023	1. Transfer Learning, Natural Language Processing, 2. Explainable AI 3. Design of Real Time Machine Learning System - 4 4. Wrap up Applications Discussion 5. Project Demos 6. Closing Ceremony

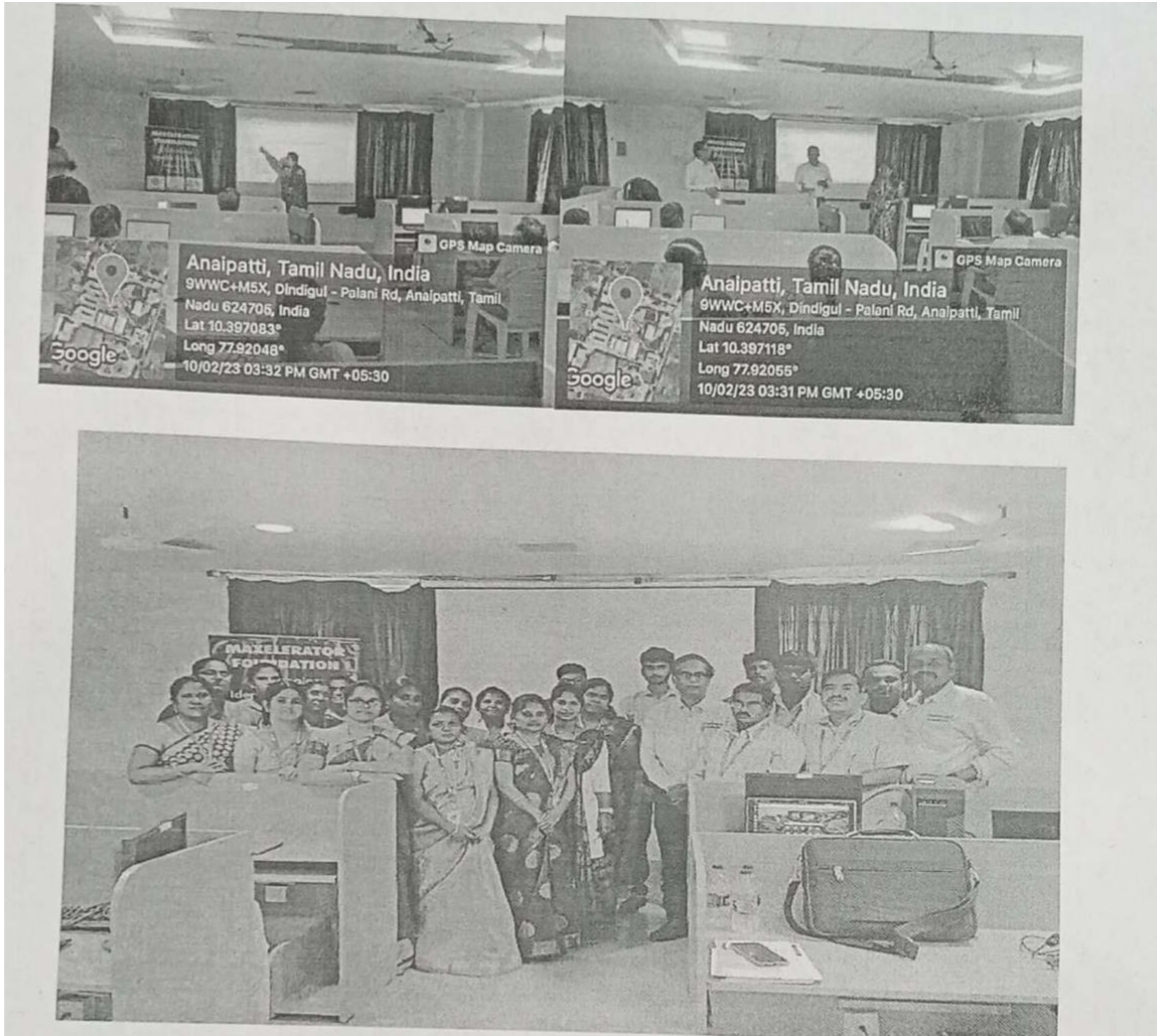


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Glimpse of the FDP



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