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.
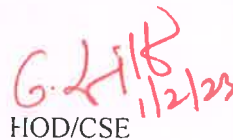
Resource Persons:

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

Program Coordinators

HOD/CSE

Principal

Copy to: Chairman for kind information

Administrative Officer

HoD's

| AUTO | Civil | CSE | ECE | EEE | MECH |

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.

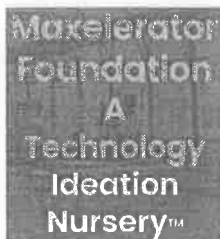   Thanking You

Dindigul

31/1/2023

                                     Yours Sincerely

                                     [Dr. G. Prabu]

PROGRAM COORDINATORS   **HOD/CSE**   **PRINCIPAL**

Maxelerator Foundation

A Technology Ideation Nursery For Startups

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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 lob opportunities are skyrocketing.

In this 5 day hands on workshop, well 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	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	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	1. Data Annotation Tools , 2. Introduction to Neural Networks 3. ML Models

	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

Glimpse of the FDP

Anaipatti, Tamil Nadu, India
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