Shanti Education Society's

A. G. PATIL INSTITUTE OF TECHNOLOGY, SOLAPUR

Affiliated to DBATU, Lonere/Solapur University, Approved by AICTE & Recognized by Govt of Maharashtra,
(NAAC Accredited – "B+" Grade)

Report on

MATLAB Masterclass

From 1/08/2020 to 30/08/2020

Held at

A G Patil Institute of Technology, Solapur

Organized by

Training and Placement Department

REPORT

With the support of AGPIT Management, having constant encouragements of our TPO Prof. S.V.Patil, Training on MATLAB was conducted. Following schedule and the topic:

Topic: "MATLAB Masterclass"

Date: 1/08/2020 to 30/08/2020

Resource person: Mr Malaiyappan M

Time: 6:00 PM-7:00 PM

Mode : Online

Duration of the Training: 30 hrs

About the speaker Mr Malaiyappan M is the Director of Pantech eLearning Pvt. Ltd.

Program summary:

This Program will provide the learners with a complete insight into the MATLAB Simulink Programming for design of Converters & Inverters. Inverter Designs , Converter Designs , MPPT , Converters & Speed Control Applications using Simulink Design. An Apprehensive Program for learners from Scratch to Advanced Programmers .

Outcome of program:

This training helped students to learn and acquire new technical skills. These skills will be helpful for them to get placed in different industries.

MATLAB SIMULINK MASTERCLASS CURRICULUM

- Day 1 MALTAB SIMULINK FOR ELECTRICAL ENGINEERING
- Day 2 Single/Three Phase Rectifier using MATLAB
- Day 3 Single/Three Phase AC Voltage Controller using MATLAB
- Day 4 DC-DC Converter using MATLAB
- Day 5 Inverter Design using MATLAB
- Day 6 Grid Tie Inverter Design using MATLAB
- Day 7 Matrix Converter using MATLAB
- Day 8 Multi Level Inverter Design using MATLAB SIMULINK
- Day 9 Active Power Filter Design using MATLAB SIMULINK
- Day 10 Battery Charger design using MATLAB SIMULINK
- Day 11 Speed Control of DC Motor Using Chopper
- Day 12 Simulink Based Speed Control of Induction Motor Using VSI Fed Inverter
- Day 13 Simulink Based Speed Control of BLDC Motor Using Chopper
- Day 14 Simulink Based Speed Control of PMSM Motor Using Chopper
- Day 15 MPPT Controller for Solar PV Application
- Day 16 Gate Driver Design for IGBT /MOSFET
- Day 17 AD/DC Current/Voltage/Speed Measurement Circuit Design
- Day 18 Inductor/Transformer/High Frequency Transformer Design
- Day 19 Arduino Programming using MATLAB
- Day 20 Buck/Boost Converter Design Procedure with Arduino
- Day 21 Wind Energy Power System Design
- Day 22 Smart Energy Meter System Design using Ardino
- Day 23 Three Phase Induction Motor Fault Diagnosis
- Day 24 TI DSP Programming using MATLAB
- Day 25 SMPS Design Calculations and Fabrication
- Day 26 Electric Vehicle Design using MATLAB
- Day 27 Introduction to Facts Devices
- Day 28 Fuzzy Logic Controller based MPPT CHARGE CONTROLLER
- Day 29 Vector controlled Induction Motor using Simulink
- Day 30 Hardware design for Arduino based Speed Control of Induction Motor

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Electronics and Telecommunication Engineering Dept

MATLAB Masterclass registered students

Sr. no.	Name of the students	Class	Contact no.
1	Pournima Subhash Swami	BE	7028552738
2	Maheshwari Tryambak Kulkarni	BE	9156964365
3	Priyanka kusunath Rathod	BE	9623583270

MATLAB MASTER CLASS

PANTECHSOLUTIONS
Technology Beyond the Dreams

CERTIFICATE
OF PARTICIPATION

NAME : *Ms. Maheshwari Kulkarni*

COLLEGE : A G PATIL INSTITUTE OF TECHNOLOGY SOLAPUR

has Successfully Completed

at Pantech Prolabs India Pvt Ltd

From 01/08/2020 to : 30/08/2020

M.MALAIYAPPAN
DIRECTOR
PANTECHSOLUTIONS