AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Permanently Affiliated to JNT University Kakinada, ACCREDITED BY NAAC and Recognized under 2(f) &12 (b) by UGC, New Delhi)

Tamaram, Makavarapalem, Narsipatnam (RD), Visakhapatnam-531113

Certificate Course
on

MATLAB PROGRAMMING

From 27TH AUG 2018 TO 1ST SEP 2018

ORGANIZED BY

DEPT. OF ELECTRICAL &ELECTRONICS ENGINEERING
AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY,
TAMARAM (V), MAKAVARAPALEM (M),
VISAKHAPATNAM-531113

AVANTHI EDUCATIONAL SOCIETY

Avanthi Educational Society under the Leadership of Sri M.Srinivasa Rao garu as chairman was started in the Year 1991. Within a short span of its establishment, the group has made a remarkable stride in the field of education offering various courses at Under Graduate, Post Graduate, Pharmacy & Engineering levels. This milestone is achieved as the institution carved itself to impart quality and career oriented education, countering the challenges of the modern world through planning, dedication, determination, prompt execution and with the innovative ideas of our advisory board. Today, Avanthi Educational Society is proud to have a strength of over 16000 students with 15 institutions under its ambit. It is the path of glory towards the success during the last 19 years. The institution has been adjudged many times as the second best educational institutions in the twin cities and 16th best in all over India through the impartial survey made by the renowned magazine "India Today".

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

AIET started in the year 1999 and offers various courses at Engineering and PG level. The college is providing with rooms, computer centre, laboratories and seminar hall with audio-visual equipments. Industry Institute interaction is conducted regularly to emphasize on the latest trends in the present market.

It is very near to Narsipatnam. Frequent bus facilities are available both from Visakhapatnam and Narsipatnam. Very safe and secure hostel facility is available for

Girl students. These are the additional facilities besides excellent academic atmosphere in the college campus.

DEPARTMENT OF ELECTRICAL ANDELECTRONICS ENGINEERING

The Department of Electrical & Electronics Engineering was established in the year 2001 along with the MECHANICAL, ECE and CSE departments. The department has an intake of 60 students. Commencing the academic year 2011, a post-graduate course in Power Electronics and 2014 in Power Systems was started. The department has full fledged laboratories, workshops and P.G. labs. The department is staffed with qualified, experienced and dedicated members who engage in research activities.. The department with active support from the management is aiming to expand its research activities and industrial consultancies.

ABOUT COURSE

MATLAB is a special-purpose language that is an excellent choice for writing moderate-size programs that solve problems involving the manipulation of numbers. The design of the language makes it possible to write a powerful program in a few lines. The problems may be relatively complex, while the MATLAB programs that solve them are relatively simple. As a result, MATLAB is being used in a wide variety of domains from the natural sciences, through all disciplines of engineering, to finance, and beyond, and it is heavily used in the industry. Hence, a solid background in MATLAB is an indispensable skill in today's job market• To understand the active filter techniques used for harmonics elimination.

TOPICS TO BE COVERED

Day 1: Introduction to MATLAB

Day 2: MATLAB Programming-Use of Structures and Functions

Day 3: Artificial Neural Networks and its Types

Day 4: SIMULINK as Simulation Tool

Day 5: Introduction to Fuzzy Logic and Fuzzy Toolbox

Day 6: Become familiar with the Experimentation, Evaluation and Project Deployment Tools

For any further information Contact Mr P VARAHALA DORA, Assistant Professor, EEE, and Mr. P ANIL KUMAR Assistant Professor, EEE

CHIEF PATRON
Smt.M.Gnaneswari
President, Avanthi Educational Society

PATRON
Dr. C P V N J Mohan Rao
Principal,
Avanthi Institute Of Engineering And Technology

CHAIRMAN
Dr. T Srinivasa Rao
Head of the Department
Electrical & Electronics Engineering

COORDINATORS
Mr P Varahala Dora
Asst. Professor

Mr P Anil Kumar
Asst. Professor

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CIRCULAR

Dt.23rd Aug, 2018

A short term Course on *"MATLAB Programming"* for all the IV Year I Semester students of Electrical & Electronics Engineering Department is scheduled from 27th Aug 2018 to 1st Sep 2018. All the students should attend the course without fail. For any further information Contact course coordinators Mr.P.Anil Kumar, Assistant Professor and Mr.P.Varahala Dora, Assistant Professor, EEE Department.

Resource person Details:

1. Dr. Y. V. Pavan Kumar
   Associate Professor
   Department of EEE
   VIT-AP University
   Amaravathi,Andhra Pradesh.

2. Dr.K. Durga Shyam Prasad
   Associate Professor
   Vignan's Womens Engineering College
   Visakhapatnam.

Dr T. Srinivasa Rao

Head of the Department

EEE

Head of the Department
Department of **Electrical & Electronics** Engg.
Avanthi Institute **of Engg & Tech.**
Makavarapalem, Vizhapatnam - **531113.**

Copy to: Principal, AIET

MATLAB Programming

Duration:27-08-2018 to 01-09-2018

SYLLABUS

Day 1: Introduction toMATLAB

Day 2: MATLAB Programming-Use of Structures and Functions

Day 3: Artificial Neural Networks and its Types

Day 4: SIMULINK as Simulation Tool

Day 5: Introduction to Fuzzy Logic and Fuzzy Toolbox

Day 6: Become familiar with the Experimentation, Evaluation and Project Deployment Tools

COORDINATOR

HOD
Head of the Department
Department of Electrical & Electronics Engg.
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MATLAB Programming

Duration: 27-08-2018 to 01-09-2018

SCHEDULE

DAY/DATE	Session - 1 09.00 AM to 12Noon	Session - 2 1.00 PM to 4.00 PM
Monday 27/08/2018	Introduction Power Quality	Power Quality Analysis of Single Phase semi controlled converters
Tuesday 28/08/2018	Power Quality Analysis of Single Phase fully controlled converters	Power Quality Analysis of Single Phase AC controllers
Wednesday 29/08/2018	Power Quality Analysis of 3-Phase AC controllers	Power Quality Analysis of 1phase PWM AC controllers
Thursday 30/08/2018	Power Quality Analysis of 3phase PWM AC controllers	Power Quality Analysis of 1phase PWM AC controllers
Friday 31/08/2018	Power Quality Analysis of Selective Harmonic Elimination Technique for Single phase Inverters	Power Quality Analysis of Selective Harmonic Elimination Technique for Single phase Inverters
Saturday 01/09/2019	Various power quality improvement techniques for harmonic current mitigation and reactive power compensation	Various power quality improvement techniques for harmonic current mitigation and reactive power compensation

P.AnilKumar
COORDINATOR

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Head of the Department
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MATLAB PROGRAMMING
From 27th Aug 2018 to 1st Sep 2018
4th Year Students Attendance

S.NO	ROLL NUMBER	STUDENT NAME	27-Aug	28-Aug	29-Aug	30-Aug	31-Aug	1-SEP
1	15811A0201	ANAPAREDDY PRAMOD	✓	✓	✓	✓	✓	✓
2	15811A0202	BOLEM RAJA	✓	✓	✓	✓	✓	✓
3	15811A0203	BORRA PRAVEEN KUMAR	✓	✓	✓	✓	✓	✓
4	15811A0204	CHACHUPATLA LALITHADEVI	✓	X	✓	✓	✓	✓
5	15811A0205	CHINTAKAYALA ABHISHEK	✓	✓	✓	✓	✓	✓
6	15811A0206	GAVVA VENKATA LAKSHMI	✓	✓	✓	✓	✓	✓
7	15811A0207	GEDALA MAHESH	✓	✓	✓	✓	✓	✓
8	15811A0208	GODABA DHANESH	✓	✓	✓	✓	✓	✓
9	15811A0210	KALLA GOWRI	✓	✓	✓	✓	✓	✓
10	15811A0211	KUNDRAPU GANGA BHAVANI	✓	✓	✓	✓	✓	✓
11	15811A0212	KUSIREDDI VENKATA MOHAN	✓	✓	✓	✓	✓	X
12	15811A0213	MAMIDI SWATHI	✓	✓	✓	✓	✓	✓
13	15811A0215	MEESALA RAVI	✓	✓	✓	✓	✓	✓
14	15811A0216	NARAVA SUNEETHA	✓	✓	✓	✓	✓	✓
15	15811A0217	NUKALA UDHVIN VENKATA SITARAM GANESH	✓	✓	✓	✓	✓	✓
16	15811A0218	PADIMI BHARGAVI	✓	✓	✓	✓	✓	✓
17	15811A0219	PALLA SURYA SUREKHA	X	✓	✓	✓	✓	✓
18	15811A0220	PILLA RAMESH	✓	✓	✓	✓	✓	✓
19	15811A0221	PONNAPU KISHOR	✓	✓	✓	✓	✓	✓
20	15811A0222	RONGALA INDU	✓	✓	✓	✓	✓	✓
21	15811A0223	RONGALA SWATHI	✓	✓	✓	X	✓	✓

22	15811A0224	RUTTTALA GANGADHAR RAO	✓	✓	✓	✓	✓	✓
23	15811A0225	RUTTALA TULASIRAJYALAKSHMI	✓	✓	✓	✓	✓	✓
24	15811A0226	SEERAM RAJA DURGA PRASAD	✓	✓	✓	✓	✓	✗
25	15811A0227	SREEHARI DHANESH KUMAR NAIR	✓	✓	✓	✓	✓	✓
26	15811A0228	TETAKALA VENKATESH	✓	✓	✓	✓	✓	✓
27	15811A0229	TUMULA CHAITANYA	✓	✓	✓	✓	✓	✓
28	15811A0230	UNDRALLA MANIKANTA	✓	✓	✓	✓	✓	✓
29	15811A0231	VANDE SAISIREESHA	✓	✓	✓	✓	✓	✓
30	16815A0202	ANANTA PATNAIKUNI PRUDHVI	✓	✓	✓	✓	✓	✓
31	16815A0203	AVUGODDU NOOKA RAJU	✓	✓	✗	✓	✓	✓
32	16815A0204	CHINTAGADA AVINASH	✓	✓	✓	✓	✓	✓
33	16815A0206	DUVVADA SIVA KUMAR	✓	✓	✓	✓	✓	✓
34	16815A0207	GENJI NOOKARAJU	✓	✓	✓	✓	✓	✗
35	16815A0209	KILLADI SWAMY	✓	✓	✓	✓	✓	✓
36	16815A0210	KONCHADA MURALI	✓	✓	✓	✓	✓	✓
37	16815A0211	KONETI NIKITHA	✓	✓	✓	✓	✓	✓
38	16815A0212	LAVETI SAILAKSHMI	✓	✓	✓	✓	✓	✓
39	16815A0213	MANJETI PRAKASH	✓	✓	✓	✓	✓	✓
40	16815A0214	NIMMADALA PAVAN	✓	✓	✓	✓	✓	✓
41	16815A0216	PATHYALA KIRAN SAIKUMAR	✓	✓	✓	✗	✓	✓
42	16815A0217	PELURI JAGADEESWARA RAO	✓	✓	✓	✓	✓	✓
43	16815A0218	RAYAPUREDDI ANILKUMAR	✓	✓	✓	✓	✓	✓
44	16815A0221	SUNKARA VENKATESH	✓	✓	✓	✓	✓	✓
45	16815A0222	SUNNAM SRAVAN KUMAR	✗	✓	✓	✓	✓	✓
46	16815A0223	UGGINA SOMESWARA RAO	✓	✓	✓	✓	✓	✓

P.AnilKumar
Coordinator

HOD
Head of the Department
Department of Electrical & Electronics Engg.
Avanthi Institute of Engg & Tech.
Makavarapalem, Visakhapatnam - 531113.
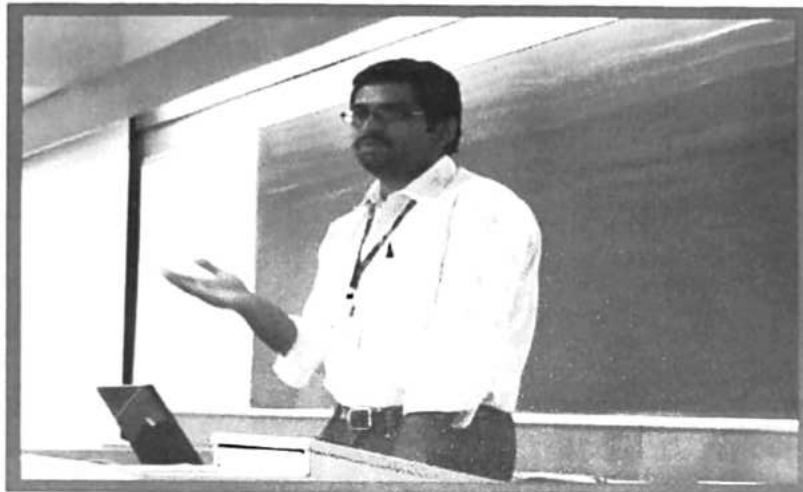
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

A Course on

MAT LAB PROGRAMMING

From 27th August 2018 to 1st September 2018

P.AnilKumar
coordinator

Head of the Department
Department of Electrical & Electronics Engg.
Avanthi Institute of Engg & Tech.
Makavarapalem, Visakhapatnam - 531113.
Makavarapalem, Vis.

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Certificate of Participation

This is to certify that Mr./Ms._____ of
_____ has participated in the Certificate Course entitled
on **MATLAB PROGRAMMING** during from 27TH AUG 2018 to 01ST SEP 2018 was
organised by the Department of ELECTRICAL AND ELECTRONICS ENGINEERING
at Avanthi Institute of Engineering and Technology.

Coordinator   **HOD**   **Principal**

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Department of Electrical and Electronics Engineering

Dt: 04-09-2018

BRIEF REPORT

Department of Electrical and Electronics Engineering, Avanthi Institute of Engineering and Technology had organized a certificate course on **"MAT LAB"** during 27-08-2018 to 01-09-2018

The speaker Dr. Y. V. Pavan Kumar Associate Professor VIT-AP Amaravathi has been discussed regarding Power Electronics basics and implementation of it in MATLAB. He also explained regarding design parts of converter and implementation of it in MATLAB and Hardware implementation of that design. He also elaborated on MATLAB interfacing with hardware of converter.

Dr. K. Durga Shyam Prasad Associate Professor, Vignan's womens Engg College as another speaker was explained introduction to fuzzy tool box and also he given an expalanation on the topics become familiar with experimentation, evaluation and project deployment tools. He concluded the course with feature of MATLAB utilised by electrical engineer in industries. Overall course was brain storming and interactive.

Coordinator

Head of the Department

Head of the Department
Department of Electrical & Electronics Engg.
Avanthi Institute of Engg & Tech.
Makavarapalem, Visakhapatnam - 531113.