ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

Permanently Affiliated to JNTUK, Kakinada * Approved by AICTE, New Delhi * Accredited by NAAC
Recognized by UGC Under section 2(f) and 12 (B) of UGC Act 1956
ADB ROAD, ADITYA NAGARA, SURAMPALEM-533437

Department of Electrical and Electronics Engineering

Date: 30.12.2019.

To
The principal
Aditya College of Engineering & Technology
Surampalem

Respected sir,

[Through Head of the Department]

Sub: Request for your approval to organize a certification course on "Power systems analysis on MATLAB – reg.

It's our greatest pleasure to bring to your kind notice that, we the Department of Electrical and Electronics Engineering would like to train ourB.Techstudents in the **Power systems analysis on MATLAB** adapted initially, with the help of our staff; as the present world is moving over the software design & simulations and also is a part of the Electrical and Electronics Engineering. It will be more helpful to the students in theoretical and technical point of view. In this regard we are requesting your permission for further proceedings.

Resource Person	:	Dr. V SRINIVASA RAO
		AEC
Honorarium	:	Rs. 10000/-

Forward to principal

Course Coordinator

PRINCIPAL
Aditya College of
Engineering & Technology
SURAMPALEM- 533 437
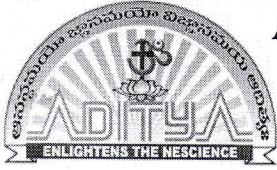
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Date: 02.01.2020.

CIRCULAR

All theElectricalstudents are here by informed that a one-week program is arranged to enhance the knowledge onPower systems analysis on MATLAB, as per the schedule from 17.02.2020. All the interested students can attend the program and utilize the opportunity. The schedule is attached.

Course Coordinator: K.R.K.V.PRASAD

+918309600083

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Aditya College of
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SURAMPALEM

Head of the Department
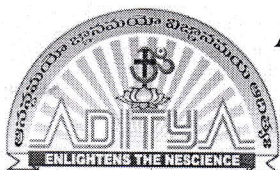
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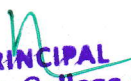ADB ROAD, ADITYA NAGARA, SURAMPALEM-533437

Department of Electrical and ElectronicsEngineering

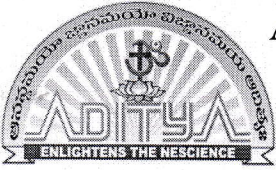**Power systems analysis on MATLAB Syllabus**

1. Introduction to MATLAB
2. Formation of Y-bus
3. MATLAB program for Formation of Y-bus
4. Solving nodal equations by forward and backward substitution
5. MATLAB program for solving nodal equations by forward and backward substitution
6. Power flow studies by gauss and Newton Raphson method using Zbus
7. MATLAB program for Power flow studies by gauss and Newton Raphson method using Zbus

Course Coordinator   Head of the Department

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

Department of Electrical and ElectronicsEngineering

Schedule of Power systems analysis on MATLAB:

Day-1:

FN   Inauguration of the Program and speakers talk about the objectives of the event

AN   Introduction to MATLAB.

Day-2:

FN   Introduction to Formation of Y-bususing direct and singular transformation methods

AN   MATLAB program for Formation of Y-bus by singular transformation method

Day-3:

FN   Solving nodal equations by forward and backward substitution

AN   MATLAB program for solving nodal equations by forward and backward substitution

Day-4:

FN   Power flow studies by gauss method using Zbus

AN   Power flow studies by Newton Raphson method using Zbus

Day-5:

FN   MATLAB program for Power flow studies by gauss and Newton Raphson method using Zbus

AN   Valedictory

Course Coordinator

Head of the Department

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