



ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

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 Electronics & Communication Engineering

Date: 4.12.2019.

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 "Digital signal processing with MATLAB" – reg.

It's our greatest pleasure to bring to your kind notice that, we the Department of Electronics & Communication Engineering would like to train our 3rd year B.Tech students in the, **Digital signal processing with MATLAB** with the help of our staff; as the present world is moving over the software design & simulations and also is a part of the Electronics & Communication 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.

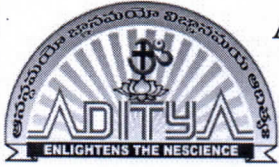
Resource Person : Mrs.G SIRISHA,
Professor, BVTS, Amalapuram.

Honorarium : Rs. 5000/-

As per

[Signature]
Course Coordinator

[Signature]
PRINCIPAL
Aditya College of
Engineering & Technology
SURAMPALEM- 533 437



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Department of Electronics & Communication Engineering


Date: 5.12.2019


CIRCULAR

All the 3rd year students are hereby informed that a one-week program is arranged to enhance the knowledge on **Digital signal processing with MATLAB**, as per the schedule from 23rd December, 2019. All interested students can attend the program and utilize the opportunity. The schedule is attached.

Course Coordinator: Mr. T.ANJALIAH

+91 80744 29087


Head of the Department


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Digital signal processing with MATLAB Syllabus

1. Introduction to MATLAB, History, Toolbox, Command Window, Script .m-file Function MATLAB Documentation, Uses of MATLAB.
2. Basic Mathematics Using MATLAB: Data types, Matrix, Differentiation, Integration.
3. Logic Operations Using MATLAB: Conditional Operators, for loop, While loop, While loop.
4. Graph: Plotting of linear variables, plotting of signals.
5. Image Processing: Image Processing Toolbox, Types of Image, Image Resizing.
6. MATLAB Simulink.


Course Coordinator


Head of the Department


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Digital signal processing with MATLAB Syllabus

Day-1:

- FN Inauguration of the Program and speakers talk about the objectives of the event
AN Introduction to MATLAB, History, Toolbox, Command Window, Script .m-file
Function MATLAB Documentation, Uses of MATLAB

Day-2:

- FN **Basic Mathematics Using MATLAB:** Data types, Matrix, Differentiation, Integration.
AN Practice session.

Day-3:

- FN Practice of design models with Modifying tools like trim, extend, mirror in 2D
AN Practice session.

Day-4:

- FN **Graph:** Plotting of linear variables, plotting of signals
AN Practice session.

Day-5:

- FN **Image Processing:** Image Processing Toolbox, Types of Image, Image Resizing
AN Practice session.

Day-6:

- FN MATLAB Simulink ,Assessment test
AN Valedictory

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