

(Approved by A.I.C.T.E., New Delhi & Affiliated to JNTUK, Kakinada)

A NAAC Accredited Institute

An ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution NH-5, Anakapalle – 531002, Visakhapatnam, A.P.

Mobile: +91 9963981111, Website: www.diet.edu.in, E-mail: info@diet.edu.in

CIRCULAR

Anakapalle Dt: 19-11-2018

Department of Electronics & Communication Engineering is hereby informed that, in view of the feedback received from III B.Tech. students of ECE branch regarding skill enhancement and to improve the expertise of students in MatLab, HOD is advised to depute a faculty from ECE to design and develop a suitable course structure in line with advanced topics of Signal processing using MatLab for working on real time applications III B.Tech. students of ECE branch with over 30 working hours. Please ensure that this Add-on course helps them to understand the basic data operations in MatLab & to develop basic projects on MatLab, in the signal processing domain. Make arrangements to deliver the course from next week onwards.

PRINCIPAL

Dadi Institute of Engineering & Technology



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Department of Electronics and Communication Engineering

Presents

A four Week Training Program

on

"MatLab for Signal Processing"

26/11/2018 to 18/12/2018 (Twice a Week)

Course Instructor

Mr. K Someshwar Rao

Assistant Professor, Department of ECE

Venue:

Computer Lab 8, 3rd Floor, DIET

About the Institute

Dadi Institute of Engineering & Technology is a top ranked Engineering and Management College affiliated to Jawaharlal Nehru Technological University, Kakinada. The Institute is NAAC Accredited, ISO Certified and also associated with many professional bodies in the field of Engineering, Technology and Management. It strives to promote the highest standards a mong the students and enable them to Build a New World. Dadi Institute of Engineering & Technology is distinctive among institutions of higher learning. Founded in 2006 by Sri Dadi Veerabhadra Rao, an academician and former Minister as the first multicultural and co-educational college in Anakapalle which admits only academically promising students.

About ECE Department

The Department of ECE was established in the year 2006. It offers B.Tech. Program with an initial intake of 120. It also offers M.Tech. Program in Systems and Signal Processing. The department has good infrastructural facilities with full fledged laboratories equipped with adequate hardware and software. The faculty members are actively involved in research and are publishing papers in reputed national and international journals/conferences.

About the course

Students will be able to learn the MatLab and its Basic Tool box, Signal Processing Toolbox, which are useful to operate on the real-time Signaling projects. These Two of the basic Toolboxes that mathematically describe the performance of Systems.



Electronics and Communications Engineering

MatLab for Signal Processing

Course Instructor:

Mr. K Someshwar Rao Assistant Professor, ECE Department Dadi Institute of Engineering & Technology

Duration:

4 Weeks:

26/11/2018 to 18/12/2018

(Twice a Week)

Overview & Need for the Course:

Students are instructed to learn the basics of MatLab in this course. However they need to learn some advanced topics for working on real time applications. The course covers content required to develop basic projects on MatLab, in signal processing domain.

Course Objectives: To

- Understand the basic data operations in MatLab
- Provide knowledge on built in commands.
- · Develop the skill required to handle large amounts of data.
- make the student handling real time sensor data.

Course Outcomes:

By the end of the course, the student will be able to

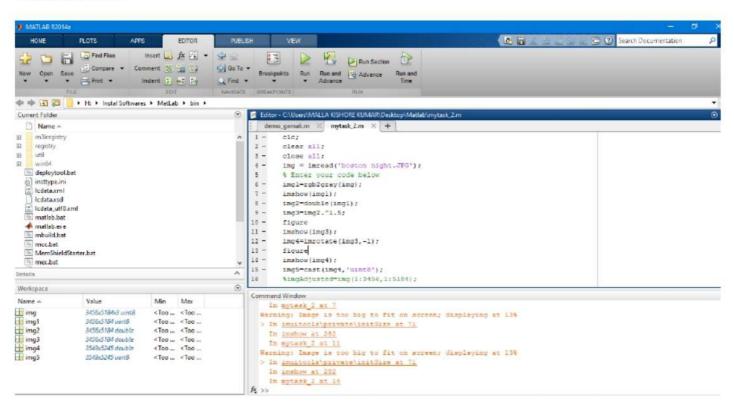
- Handle matrix operations.
- Generate and manipulate data as per the requirement.
- Develop real time projects using MatLab.

- Basic Knowledge on C-Programming.
- A Computer with an Internet Connection.

Course Contents:

- 1. Course overview
- 2. Command
- 3. MatLab desktop and editor
- 4. Vector and matrix
- 5. Indexing into and modifying arrays
- 6. Array calculations
- 7. Calling function
- 8. Obtaining help
- 9. Plotting data
- 10. Logical arrays
- 11. Introducing Signal Processing Tool Box
- 12. Introducing Image Processing Tool Box
- 13. Programming
- 14. Final project
- 15. Conclusion

Classroom:





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COURSE COMPLETION CERTIFICAT

This Certificate is given to

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For the successful completion of 4-week course on MatLab for Signal Processing from 26/11/2018 - 18/12/2018

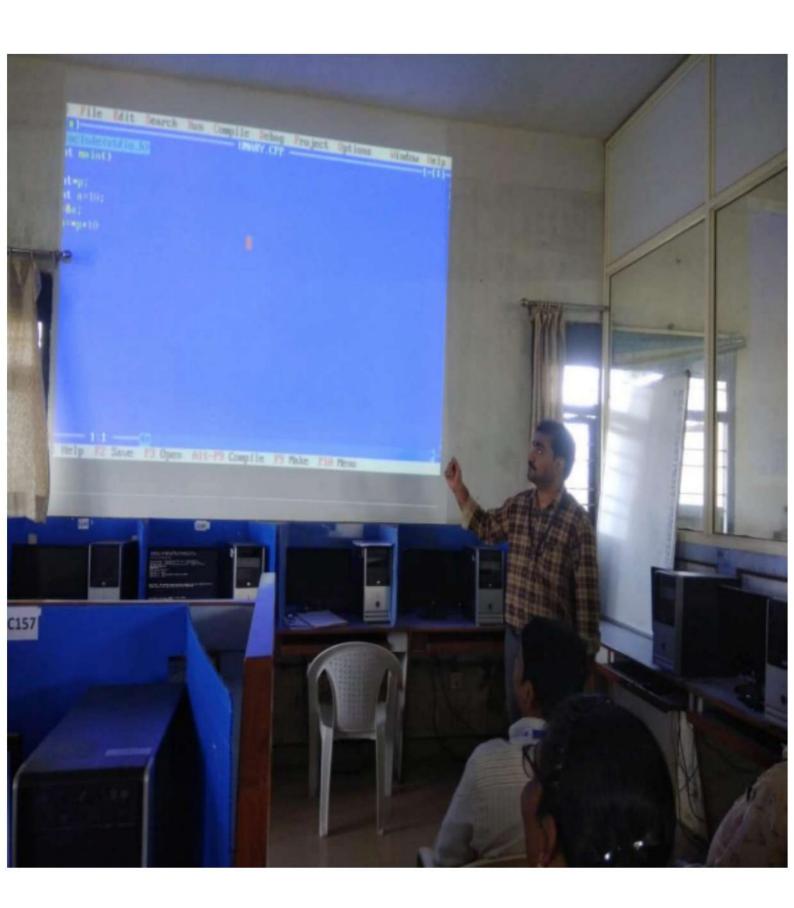


Course Instructor Mr. Someswara Rao

Dr. Ch Naga Prasad Principal

Chairman

Sri Dadi Ratnakar





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Mr. Someswara Rao Course Instructor

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BANDARU SAILAJA

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Dr. Ch Naga Prasad
Principal

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Sri Dadi Ratnakar (Chairman





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STUDENT FEEDBACK FORM

Your feedback is critical for the Institute to ensure that we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so that we can serve you better.

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2. The program was well placed within allotted time	1	2	3	① 5	Ciood
5. The instructor was an effective communicator	1	2	3	4 5	

Please return this form to the Course Instructor/Organizer/Coordinator at the end of the workshop/add-on course/Training Program



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