

NARAYANA ENGINEERING COLLEGE:: NELLORE

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Report on the Value Added Course

1	Name of the Activity/Event	Value added course on “ MATLAB and its Applications in Electrical Engineering ”	
2	Date of Activity/Event	14-8-2018 to 19-08-2018	
3	Organized by/Name of the committee	EEE DEPARTMENT	
4	Place of Activity/event	EDISON Auditorium	
5	Resource person/guest/organization	Mr. V. Madhukar, Managing Director, Prolific Systems Technologies Pvt Ltd, Hyderabad.	
6	Type of activity/Event	Value added course	
7	Activity/Event objectives	Theory & Practice session on MATLAB	
8	Participation	Students	Total Participation
		101	101
9	General remarks	Simulation subsystems have not explained clearly	
10	Suggested Improvements	Better to explain in depth simulink diagram in electrical engineering	
11	Enclosures	1. Circular to students 2. schedule 3. Student signature forms 4. Report 5. Certificates	
12	Signature of In charge/convener		

Department of EEE has conducted a value added program on MATLAB and its applications in Electrical Engineering in association with Prolific systems Pvt Ltd during 14/08/2018 & 19/8/2018 at Edison Auditorium, Faraday's Block, Narayana Engineering college Nellore.

No. of students participated : 101

Course Description:

MATLAB can be used-

- For any calculation
- MATLAB's syntax is relatively straight forward and may be easier to master than other high-level programming languages.
- So many inbuilt functions like factorial (), inv (), Plot () etc are directly available to calculate the result.
- To find the value of Eigen value, Eigen vector.

- To find Laplace transform and inverse Laplace transform.
- To find coefficients of Fourier series, Taylor series etc.
- To plot any function.
- ~~Task~~ ~~Topic~~- Slip and VI Characteristics of any Electrical machine can be analyzed easily.
- Multiple graphs can be plotted easily.
- With the help of SIMULINK, we can make most of the circuit of electrical engineering.
- In Control System, we can calculate the value of transfer function, state transition matrix, step response etc.
- In Control system, we can plot Amplitude vs Omega in a second.
- To design any type of filter in Digital Signal Processing.
- To design Robotics.
- To design any type of power electronics circuit.

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