



MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)
(An UGC Autonomous Institution, Affiliated to JNTU11, Hyderabad Accredited 2nd time by NAAC
with 'A' Grade & NBA and Recipient of World Bank Assistance under TEQIP--II S.C. 1.1)
Maisammaguda (H), Medchal-Malkajgiri District, Secunderabad,
Telangana State – 500100
www.mrec.ac.in

Department of Electrical and Electronics Engineering

CIRCULAR

Date: 16.9.2017

All the students are hereby informed that Value Added Course on MATLAB Applications on control systems and power system from 25th – 29th September 2017 is being organized by the Electrical and Electronics Engineering . The resource person for the course is Mr. B.Raju, Assistant Engineer, KTPS. Students are advised to register their names to the Programme Mrs.K.Neelima Praveena Assistant Professor, EEE on or before 23.09.2017 and utilize this opportunity to enhance their skills by attending the Programme.

The detailed schedule of the programme will be displayed in the notice board.


Head of the Department

Copy to:

- 1) Circulation in Students classroom
- 2) All HOD's
- 3) Notice Boards
- 4) PA to principal for filing.


PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100

About the Institution

Malla Reddy Engineering College (Autonomous) is one of the reputed engineering colleges in Hyderabad, Telangana. MREC (A) is part of Malla Reddy Group of Institutions (MRGI), founded by Honourable Sri. Ch. Malla Reddy, M.P, Govt. of Telangana State. The college is situated in a serene, lush green environment in Maisammaguda, Gundlapochampally Medchal(M), Medchal-Malkajgiri District Telangana- 500100.

The college was established in 2002 and is an autonomous institution approved by UGC and affiliated to JNTUH. The college is re-accredited by NAAC with 'A' Grade (II Cycle) and was conferred autonomous status by JNTUH in 2011 and by UGC in 2014 for a period of 6 years. Our eligible UG and PG programs received NBA accreditation and some of them received reaccreditation too. The college caters to wide ranging aspirations and goals of student communities by offering new courses in UG courses provides PG courses and MBA along with programs in various streams of Engineering & Technology and Management. It boasts of world-class infrastructure and well-equipped laboratories in all departments and is skillfully and smartly guided by **Dr. S. Sudhakara Reddy, Principal, MREC (A)** who have a rich teaching and industrial experience.

Advisory Committee

Chief Patrons: Sri. Ch. Malla Reddy, Minister-Telangana State-India.
Founder Chairman
Malla Reddy Group of Institutions

Patrons: Sri.Ch. Mahender Reddy
Secretary, MRGI
Dr.Ch.Bhadra Reddy
President, MRGI

Co-Patrons: Dr. S. Sudhakara Reddy
Principal, MREC (A)

Convener: Dr.M.Maheswari
HOD EEE

Coordinator: Mrs.K.Neelima Praveena
Assistant Professor, EEE

Resource Person 1: Mr. B.Raju,
Assistant Engineer,
KTPS.

Organizing Committee:

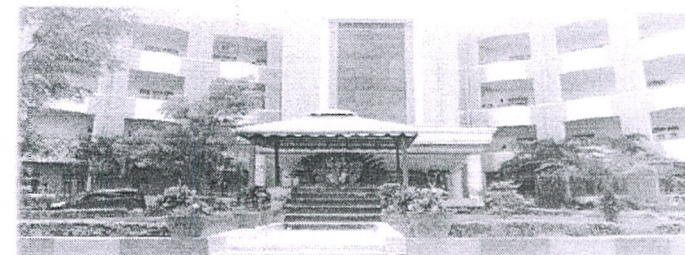
Dr.N.Rajeswaran, Professor, EEE
Dr.S.Arumugam, Professor, EEE
Dr.M.Lakshmi Swarupa, Professor, EEE
Mr. T Suman, Assoc. Professor, EEE
Mr.P. Kamalakar, Assoc. Professor, EEE
Mr. T. Sanjeeva Rao, Assoc. Professor, EEE
Mr.Ch NarendraKumar, Assoc. Professor, EEE
Mr.V.Ganesh Kumar, Assoc. Professor, EEE
Mr. D.Ramesh, Asst.Prof, EEE
Mrs.K. Anitha Reddy, Asst.Prof, EEE
Mrs.S. Bharathi, Asst.Prof, EEE
Mr.KSS Naga Teja, Asst.Prof, EEE
Mrs.Y. Sudha, Asst.Prof, EEE
Mr. P.Ganesh, Asst.Prof, EEE
Mrs.K.Chetaswi, Asst.Prof, EEE
Mr.Madhu Mohan Reddy A, Asst.Prof, EEE
Mrs.V.Suma Deepthi, Asst.Prof, EEE
Mrs.V.Sunanda Kumari, Asst.Prof, EEE



*A Five- Day Value added Course
On*

**"MATLAB Applications on Control Systems
and power system"**

(25th – 29th September 2017)



*Organized by
Department of*

**Electrical and Electronics Engineering
MALLA REDDY ENGINEERING COLLEGE**

(AUTONOMOUS) MAIN CAMPUS

**An UGC Autonomous Institution, Approved by
AICTE & Affiliated to JNTUH-Hyderabad
Reaccredited by NAAC with 'A' Grade (II Cycle)
Maisammaguda(H), Gundlapochampally (V),
Medchal (M), Medchal - Malkajgiri District
Telangana - 500100, India.**

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Medchal (M), Medchal - Malkajgiri District,
Sec'bad-500 100

Registration Form

Name of the Participant :-----

Branch & Year :-----

Name of Institution:-----

Address for Communication:-----

Mobile Number:-----

E-Mail ID:-----

DECLARATION:

The information furnished above is true to the best of my Knowledge.

Place:

Date:

Signature of Applicant

Ravi
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Malla Reddy Engineering College
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Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100

About the Department

The Department of Electrical and Electronics Engineering has been established since the inception of the institution in the year 2002. The Department has good infrastructure facilities and is equipped with full-fledged laboratories to fulfil the curriculum needs. The Department has well experienced faculty. Around one-third of the faculty members in the department are Doctorate. The department has good number of sanctioned projects, funded by different agencies/industries. The Department is intended to be allotted a Research Centre by JNTU Hyderabad.

Overview of the Programme

The primary responsibility of faculty is not only to inspire students towards a higher vision but also create a strong sense of bonding between the institution and the students to nurture a stress-free holistic environment. To enhance the quality of life for the student members enabling them to introspect and learn techniques that imbibe ethics & morals and help prepare students for active and successful participation in a modern society, producing individuals of high character, probity, and honor.

To professionalize and train the participants in the field of control system engineering and its applications in various fields. It will give conceptual level of knowledge to industry standards. This further focuses on:

Facilitating practical session on graphical platform of LabVIEW and MATLAB.

Objectives of the Programme

- To use the techniques, skills and modern engineering tools necessary for engineering.
- To function on multi-disciplinary teams in the area of power systems, power electronics.
- Understanding the design of equipment using MATLAB easily.
- Ability to communicate effectively on the software tools.

Topics to be covered

- ❖ Experimentation and Modeling in MATLAB – Design and Implementation
- ❖ Electrical engineering using SimPowersystems.
- ❖ Control system design and analysis

Certificate

After successful completion of the course the certificates shall be issued to the participants.

Outcome of the program

After completing the Course, Student will learn how to do power system simulation and optimization with MATLAB and Simulink.



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Maisammaguda (H), Medchal-Malkajgiri District, Telangana State – 500100

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Value Added Course

on

“MATLAB Applications on control systems and power system”

September 25th – 29th September 2017

Programme Schedule

Date	Time	Topic	Resource Person
25-09-2017	10:10 – 11.00AM	Introduction	Mr. B.Raju
	11:00 -11:15AM	Tea Break	
	11.15 – 12:45 PM	Fundamentals of Control Systems Engineering with MATLAB/SIMULINK	
	12:45 – 1:30PM	Lunch	
	1:30 – 2:30 PM	Time domain analysis	
	2:30 – 2:45PM	Tea Break	
	2:45 -4:00 PM	Frequency domain analysis	
26-09-2017	9:30 – 11.00AM	Root locus	Mr. B.Raju
	11:00 -11:15AM	Tea Break	
	11.15 – 12:45 PM	Compensator design	
	12:45 – 1:30PM	Lunch	
	1:30 – 2:30 PM	Vehicle Control Systems	
	2:30 – 2:45PM	Tea Break	
	2:45 -4:00 PM	Optical control and Space applications	
	9:30 – 11.00AM	Industrial Sensors and Analog/Digital-Interfacing Techniques	Mr. B.Raju
	11:00 -11:15AM	Tea Break	
	11.15 – 12:45 PM	Experimentation and Modeling in MATLAB – Design and Implementation	
	12:45 – 1:30PM	Lunch	

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27-09-2017	1:30 – 2:30 PM	Project-Based Learning (Arduino, RaspberryPi) – Machine Learning & Data Analytics	
	2:30 – 2:45PM	Tea Break	
	2:45 -4:00 PM	Accessing, exploring, analyzing, and visualizing data in MATLAB	
28-09-2017	9:30 – 11.00AM	Using the Classification Learner app and functions in the Statistics and Machine Learning Toolbox to perform	Mr. B.Raju
	11:00 -11:15AM	Tea Break	
	11.15 – 12:45 PM	Common machine learning tasks such as Feature selection and feature transformation	
	12:45 – 1:30PM	Lunch	
	1:30 – 2:30 PM	Demo: ADAS using live camera stream , Electrical engineering concepts Using MATLAB and Simulink	
	2:30 – 2:45PM	Tea Break	
	2:45 -4:00 PM	System Identification & Neural Network Based System Modeling Techniques	
29-09-2017	9:30 – 11.00AM	Electrical engineering using Simscape (Physical Modeling)	Mr. B.Raju
	11:00 -11:15AM	Tea Break	
	11.15 – 12:45 PM	Electrical engineering using SimPowersystems	
	12:45 – 1:30PM	Lunch	
	1:30 – 2:30 PM	Control system design and analysis	
	2:30 – 2:45PM	Tea Break	
	2:45 -4:00 PM	Doubts clarification	

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-II S.C. 1.1)

Maisammaguda (H), Medchal-Malkajgiri District,
Telangana State – 500100

Department: EEE

Course : B.Tech

Date: 25/09/2017 to 29/09/2017

DEPARTMENT OF ELECTRICAL and ELECTRONICS ENGINEERING

List of Students Enrolled for Value Added Course

Academic Year 2017-2018

Name of the Value Added Course : MATLAB Applications on Control Systems and Power System

Sl.No.	Roll No.	Name of the Student	Year/Semester
1	15J41A0203	BATULA SHIVA KRISHNA	III/I
2	15J41A0208	BOOTHUPUR SHRAVYA	III/I
3	15J41A0213	DURISHETTI AKHIL	III/I
4	15J41A0214	ELUVAKA GAYATRI	III/I
5	15J41A0220	GOGULA NIKHIL	III/I
6	15J41A0226	K BHAVANI	III/I
7	15J41A0227	KAGITHAPU RAVI CHANDRA	III/I
8	15J41A0228	KANDHIMALLA SUPRAJA	III/I
9	15J41A0240	NAMA SRI KAVYA	III/I
10	15J41A0241	PARELLY SANDHYA	III/I
11	15J41A0249	REPAKA SAIDINESH	III/I
12	15J41A0250	SABAVAT LAVANYA	III/I
13	15J41A0254	SREERAM THARUN	III/I
14	15J41A0258	VAGMARE SUSHEEL	III/I
15	15J41A0259	VULPALA MANOGNAREDDY	III/I
16	14J41A0267	B SRINIVAS	III/I
17	14J41A0207	B TEJASHWINI	III/I
18	14J41A0212	BODDUKURI SRIKAR	III/I
19	14J41A0213	D SUBASH	III/I
20	14J41A0219	G NIKHITHA	III/I
21	14J41A0225	K MANI KUMAR	III/I
22	14J41A0226	K SAI CHARAN	III/I
23	14J41A0230	KOJGEWAAR SONIYA	III/I
24	14J41A0250	T SWATHI	III/I
25	14J41A0254	V JYOTHSNA	III/I
26	14J41A0255	V MANIKANTH ROY	III/I
27	14J41A0260	YESU PRASHANTHI	III/I
28	14J41A0277	DEPA PHANI KUMAR	III/I
29	14J41A0285	K LOKNATH	III/I
30	14J41A0286	K PRAVALLIKA	III/I
31	14J41A0291	KANDALA MANIKANTA	III/I
32	14J41A0293	KOMERA SHYAM	III/I
33	14J41A02A2	P VEERAENDHRA NATH	III/I
34	14J41A02A3	PATNAM MOUNIKA	III/I

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35	14J41A02A7	S SRIKANTH	III/I
36	14J41A02B5	TURAGA SAIPRATHIK	III/I
37	15J45A0202	BOODIDA SAGAR	III/I
38	15J45A0206	MUDAMPELLY ARUN	III/I
39	15J45A0210	ANDIRI SATISH KUMAR	III/I
40	15J45A0212	KONDAMGIRI PRAVALLIKA	III/I

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HoD/EEE

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Date: 29.09.2017

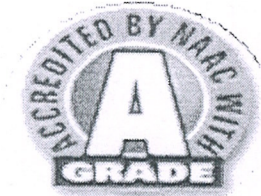
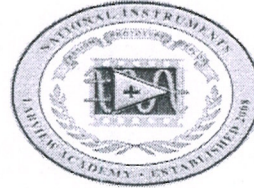
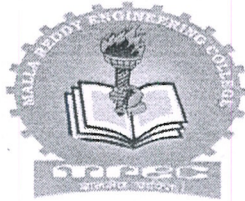
Report of Value added course on MATLAB Applications on Control Systems and Power Systems

A five days Value added course on MATLAB Applications on Control Systems and Power Systems was organized by the department of Electrical and Electronics Engineering and the event was coordinated by Mrs. K. Neelima Praveena, Asst. Professor, EEE Department from 25th Sept. to 29th Sept. 2017 and 40 students are attended from III year / I Sem. The resource person of the training programme was Mr. B. Raju, Asst. Engineer, KTPS, Palwancha, Telangana. The participants are trained in the field of MATLAB and its engineering applications. It gave the conceptual level of knowledge to industry standards. This course is further focused on,

- The use of techniques, skills and modern engineering tools necessary for simulation of electrical engineering applications.
- Electrical Engineering applications using MATLAB technologies.
- The functions on multi disciplinary terms in the area of Power System and Control systems.
- Design of Power system components using Simpower.
- Control System Design and analysis.

Rambh
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M. Malini
HOD EEE



MALLA REDDY ENGINEERING COLLEGE

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Certificate of Completion

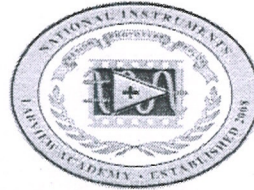
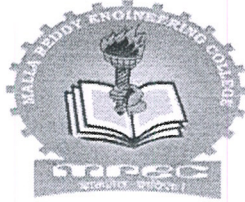
This is to certify that Mrs./Ms./Mr. BATULA SHIVA KRISHNA bearing Roll Number 15J41A0203 has successfully completed Value added Course in "MATLAB Applications on Control Systems and Power System" Organized by the Department of Electrical and Electronics Engineering from 25/09/2017 to 29/09/2017

Indira
Coordinator

Ravi
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m. n. s. h. e.
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[Signature]
Principal



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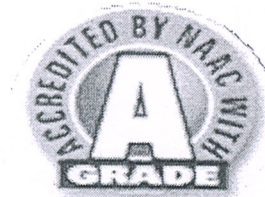
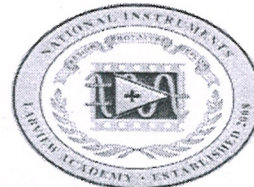
This is to certify that Mrs./Ms./Mr. BOOTHPUR SHRAVYA bearing Roll Number 15J41A0208 has successfully completed Value added Course in "MATLAB Applications on Control Systems and Power System" Organized by the Department of Electrical and Electronics Engineering from 25/09/2017 to 29/09/2017

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Coordinator

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Principal



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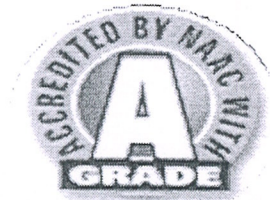
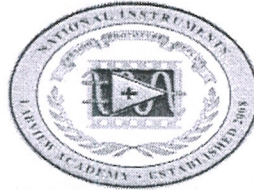
This is to certify that Mrs./Ms./Mr. DURISHETTI AKHIL bearing Roll Number 15J41A0213 has successfully completed Value added Course in "MATLAB Applications on Control Systems and Power System" Organized by the Department of Electrical and Electronics Engineering from 25/09/2017 to 29/09/2017

Indira
Coordinator

Ravi
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M. S. Ravi
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S. S. Ravi
Principal



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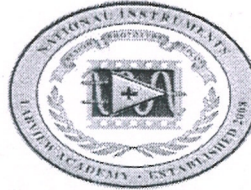
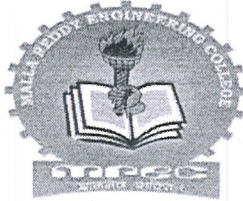
This is to certify that Mrs./Ms./Mr. ELUVAKA GAYATRI bearing Roll Number 15J41A0214 has successfully completed Value added Course in "MATLAB Applications on Control Systems and Power System" Organized by the Department of Electrical and Electronics Engineering from 25/09/2017 to 29/09/2017

Indira
Coordinator

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This is to certify that Mrs./Ms./Mr. GOGULA NIKHIL bearing Roll Number 15J41A0220 has successfully completed Value added Course in "MATLAB Applications on Control Systems and Power System" Organized by the Department of Electrical and Electronics Engineering from 25/09/2017 to 29/09/2017

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Coordinator

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Principal