



**MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)**  
(An UGC Autonomous Institution. Affiliated to JNTU.H. Hyderabad Accredited 2<sup>nd</sup> 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

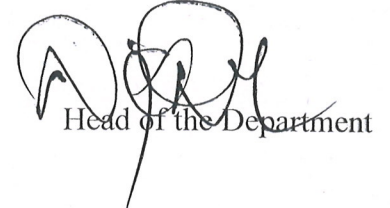
## Department of Electrical and Electronics Engineering

### CIRCULAR

Date: 22.08.2018

All the students are hereby informed that Value Added Course on MATLAB simulation in Power Electronics & Power Systems components from Sep 3<sup>rd</sup> to Sep7<sup>th</sup> 2018 is being organized by the Electrical and Electronics Engineering . The resource person for the course is Mr.B.Anil kumar Project engineer. Students are advised to register their names to the programme coordinator Mrs K.Anitha Reddy on or before 01.09.2018 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.

*Raush*  
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, lushgreen 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.N.Rajeswaran  
HOD EEE

**Coordinator:** Mr.K.Anitha Reddy  
Assistant Professor, EEE

**Resource Person:** Mr.B.Anilkumar  
Project engineer  
CADD Technologies Pvt Ltd  
Telangana.

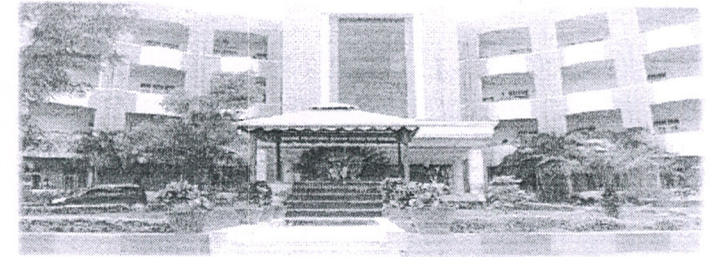
## Organizing Committee:

Dr.N.Rajeswaran, 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.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  
Mrs.K Neelima Praveena, Asst.Prof, EEE



*A Five-Day Value added Course  
On*

**"MATLAB Simulation in Power Electronics &  
Power Systems Components"  
(Sep 3<sup>rd</sup> to Sep 7<sup>th</sup> 2018)**



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**(Autonomous)**  
Maisammaguda, Gundlapally,  
(Post Via Kompally), Sarafnagar-500100

*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.

## 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

## 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 Program

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.

Proposed course helps for an integral aspect for the design of photovoltaic systems in every country in the world. It allows you to perform the entire process of designing a PV system, from the preliminary assessment of energy generation to the production of final system documentation.

## 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

- ❖ MATLAB Design simulation modules
- ❖ Motors, Transmission Models/Simscape, cables
- ❖ Electrical components Compressive testing
- ❖ Hybrid Vehicle Design

## Certificate

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

## Outcome of the program

After completing the Course, Design can be done on system components using MATLAB software. Able to calculate Transmission loss calculation and Use of Simscape and Hybrid vehicle design.

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

**DEPARTMENT OF ELECTRICAL AND ELECTRONICSENGINEERING**

Value Added Course

on

“MATLAB simulation in Power Electronics & Power Systems Components”


Sep3<sup>rd</sup> to Sep7<sup>th</sup> 2018

Programme Schedule

Date	Time	Topic	Resource Person
03-09-2018	10:10 – 11.00AM	Inauguration	B.Anil Kumar
	11:00 -11:15AM	Tea Break	
	11.15 – 12:45 PM	Introduction	
	12:45 – 1:30PM	Lunch	
	1:30 – 2:30 PM	Basics of MATLAB Simulation	
	2:30 – 2:45PM	Tea Break	
	2:45 -4:00 PM	Explain about Library in MATLAB	
04-09-2018	9:30 – 11.00AM	Block diagram design	B.Anilkumar
	11:00 -11:15AM	Tea Break	
	11.15– 12:45 PM	Design of different types of systems	
	12:45 – 1:30PM	Lunch	
	1:30 – 2:30 PM	Design of transmission system	
	2:30 – 2:45PM	Tea Break	
	2:45 -4:00 PM	Design of distribution system	
	9:30 – 11.00AM	Design of dynamic systems	
	11:00 -11:15AM	Tea Break	
	11.15 – 12:45 PM	Design of controllers	

*Principals*  
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Medchal-Via Kompally, Sec'bad-500 100

05-09-2018	12:45 – 1:30PM	Lunch	B.Anil Kumar
	1:30 – 2:30 PM	Design of inverters	
	2:30 – 2:45PM	Tea Break	
	2:45 -4:00 PM	Design of AC motors in MATLAB	
06-09-2018	9:30 – 11.00AM	Design of transformer	B.Anil Kumar
	11:00 -11:15AM	Tea Break	
	11.15 – 12:45 PM	Calculations for modelling systems	
	12:45 – 1:30PM	Lunch	
	1:30 – 2:30 PM	Training session on MATLAB Simulation	
	2:30 – 2:45PM	Tea Break	
07-09-2018	2:45 -4:00 PM	Explain about program run in MATLAB	B.Anil Kumar
	9:30 – 11.00AM	Design of semiconductor devices	
	11:00 -11:15AM	Tea Break	
	11.15 – 12:45 PM	Practice session on MATLAB	
	12:45 – 1:30PM	Lunch	
	1:30 – 2:30 PM	Practice session on MATLAB	
	2:30 – 2:45PM	Tea Break	
2:45 -4:00 PM	Valedictory		

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

Department: EEE

Course : B.Tech

Date: 03/09/2018 to 07/09/2018

**DEPARTMENT OF ELECTRICAL and ELECTRONICS ENGINEERING**  
**List of Students Enrolled for Value Added Course**  
**Academic Year 2018-2019**

Name of the Value Added Course : MATLAB simulation in Power Electronics & Power Systems Components

Sl.No.	Roll No.	Name of the Student	Year/Semester
1	16J41A0201	AEDLA YASHASWI	III/I
2	16J41A0204	BHUKYA AKHILA	III/I
3	16J41A0207	BODDU ABHILASH	III/I
4	16J41A0211	BUDIGE KARTHIK	III/I
5	16J41A0212	CHIDUGU SIRIGOUD	III/I
6	16J41A0216	D SNEHARIKA	III/I
7	16J41A0219	G SANJANA	III/I
8	16J41A0222	G RAVI CHANDRA	III/I
9	16J41A0225	K.BHAGYA LAKSHMI	III/I
10	16J41A0226	KADDHURI AJAY	III/I
11	16J41A0228	KOBBA DIVYA	III/I
12	16J41A0233	K UDAY	III/I
13	16J41A0236	M VISHAL	III/I
14	16J41A0239	M JAHNAVI	III/I
15	16J41A0240	MD ATIQ	III/I
16	16J41A0246	PATI VINEETH	III/I
17	16J41A0251	SALI VIJAY	III/I
18	16J41A0256	THALLA ARUN	III/I
19	16J41A0257	T PALLAVI	III/I
20	16J41A0260	V MADHU MANASA	III/I
21	17J45A0202	K SAHARIKA	III/I
22	17J45A0206	R.S.V. SAI SATHWIK	III/I
23	17J45A0207	BHASKARA NAVYA	III/I
24	17J45A0210	SANDA SAI KUMAR	III/I

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25	17J45A0212	AMAHENDER	III/I
26	15J41A0205	BODAS NAVEEN	IV/I
27	15J41A0207	B NARESH	IV/I
28	15J41A0208	B SHRAVYA	IV/I
29	15J41A0211	DEGA SUSHANTH	IV/I
30	15J41A0215	GADDA DIVYA	IV/I
31	15J41A0218	GODISELA UHA	IV/I
32	15J41A0220	GOGULA NIKHIL	IV/I
33	15J41A0225	J DHEERAJ REDDY	IV/I
34	15J41A0226	K BHAVANI	IV/I
35	15J41A0238	MOSAM TARUN	IV/I
36	15J41A0241	PARELLY SANDHYA	IV/I
37	15J41A0242	PEDDAPALLI VAMSHI	IV/I
38	15J41A0246	R HEMANTH KUMAR	IV/I
39	15J41A0249	REPAKA SAIDINESH	IV/I
40	15J41A0252	SANDIRI REVATHI	IV/I
41	15J41A0255	SUDIP SARDAR	IV/I
42	15J41A0257	T VAMSHI KRISHNA	IV/I
43	16J45A0204	GODLA MAHESH	IV/I
44	16J45A0209	P MAMATHA	IV/I
45	16J45A0212	VELDI ANIRUDH	IV/I

*mahi*  
HoD/EEE

*Keed*  
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(Rashtreeya Krishi Vidyapeeth), Sec'bad-500 100.





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Telangana State – 500100, [www.mrec.ac.in](http://www.mrec.ac.in)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Date: 07.09.2018

**Report of Value added course on MATLAB simulation in Power Electronics & Power  
Systems Components**

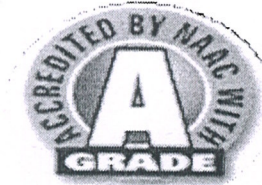
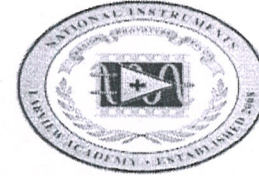
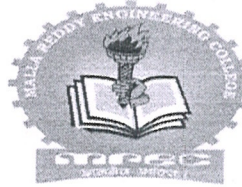
A five days Value added course on MATLAB simulation in Power Electronics & Power Systems Components was organized by the department of Electrical and Electronics Engineering and the event was coordinated by Mrs. K. Anitha Reddy, Asst. Professor, EEE Department from 03<sup>rd</sup> Sept. to 07<sup>th</sup> Sept. 2018 and 45 students are attended from III and IV years / I Sem. The resource person of the training programme was Mr. B. Anil Kumar, Project Engineer, CADD Technologies Pvt. Ltd, 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 Power Electronics.
- MATLAB design simulation modules.

*Ravith*  
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*[Signature]*  
**HOD EEE**





# MALLA REDDY ENGINEERING COLLEGE

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Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100

(An Autonomous Institution approved by UGC and affiliated to JNTUH, Hyderabad, Approved by AICTE, India, Accredited by NAAC with 'A' Grade and NBA)

## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

### Certificate of Completion

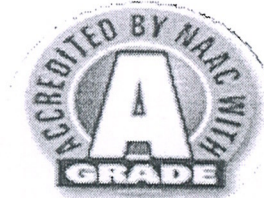
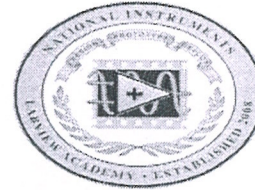
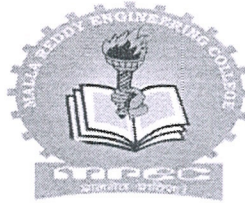
*This is to certify that Mrs./Ms./Mr. AEDLA YASHASWI bearing Roll Number 16J41A0201 has successfully completed Value added Course in "Workshop on MATLAB simulation in Power Electronics & Power Systems components" Organized by the Department of Electrical and Electronics Engineering from 03/09/2018 to 07/09/2018*

Coordinator

HOD-EEE

*Handwritten signature of the Principal*  
PRINCIPAL  
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Maisammaguda, Dhulapally,  
Post Via Kompally, Sec'bad-500 100

Principal



# MALLA REDDY ENGINEERING COLLEGE

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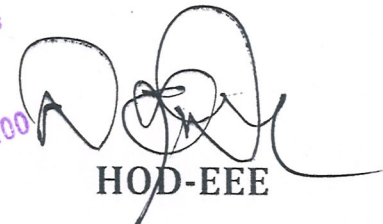
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### Certificate of Completion

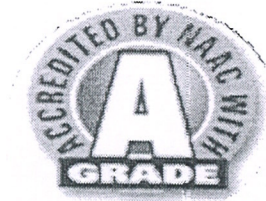
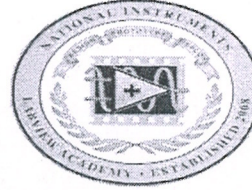
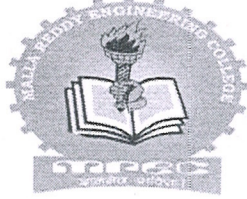
*This is to certify that Mrs./Ms./Mr. BHUKYA AKHILA bearing Roll Number 16J41A0204 has successfully completed Value added Course in "Workshop on MATLAB simulation in Power Electronics & Power Systems components" Organized by the Department of Electrical and Electronics Engineering from 03/09/2018 to 07/09/2018*

  
Coordinator

  
HOD-EEE

  
Principal

  
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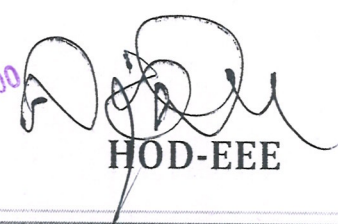
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## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

### Certificate of Completion


*This is to certify that Mrs./Ms./Mr. BODDU ABHILASH bearing Roll Number 16J41A0207 has successfully completed Value added Course in "Workshop on MATLAB simulation in Power Electronics & Power Systems components" Organized by the Department of Electrical and Electronics Engineering from 03/09/2018 to 07/09/2018*

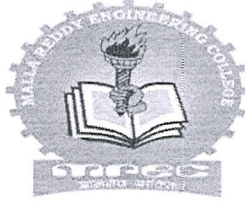
  
Coordinator

  
HOD-EEE

  
Principal

123 Certificates

  
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# MALLA REDDY ENGINEERING COLLEGE

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## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

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*This is to certify that Mrs./Ms./Mr. BUDIGE KARTHIK bearing Roll Number 16J41A0211 has successfully completed Value added Course in "Workshop on MATLAB simulation in Power Electronics & Power Systems components" Organized by the Department of Electrical and Electronics Engineering from 03/09/2018 to 07/09/2018*

  
Coordinator

  
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Sec'bad-500 100

  
HOD-EEE

  
Principal