



MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)
(An UGC Autonomous Institution. Affiliated to JNTUH, 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: 25.12.2016

All the students are hereby informed that Value Added Course on **TRANSFORMERS AND ELECTRICAL MACHINES** from 2nd Jan – 6th Jan 2017 is being organized by the Electrical and Electronics Engineering . The resource person for the course is **Dr. J. Mahesh Yadav Associate professor, GNITC**. Students are advised to register their names to the Programme Mrs. Y. Sudha Reddy,EEE on or before 01.01.2017 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.

Ranub
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 Sri. Ch. Malla Reddy, 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. A. Ramaswami Reddy, Director, MREC (A) and 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. Lakshmi Swarupa
HOD EEE

Coordinator: Mrs. Y. Sudha Reddy, EEE

Resource Person: Dr. J. Mahesh Yadav
Associate professor,
GNITC

Organizing Committee:

Dr.N.Rajeswaran, EEE
Dr. S. Arumugam, EEE
Dr. M. Lakshmi Swarupa, EEE
Mr. T Suman, EEE
Mr. P.Kamalakar, EEE
Mrs. Y. Sudha Reddy, EEE
Mrs. S. Bharathi, EEE
Mr. K. Shyam Satya Naga Teja, EEE
Mr. Ch.Narendra Kumar, EEE
Mr. V.Ganesh Kumar, EEE
Mr. D Ramesh, EEE
Mrs.K.Anitha Reddy, EEE

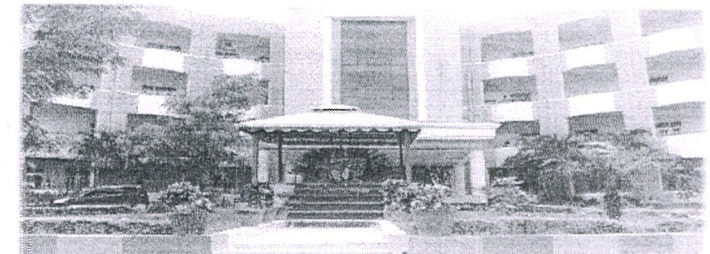


A Five Day Skill development Course (Value added Course)

On

"TRANSFORMERS AND ELECTRICAL MACHINES"

(2nd Jan – 6th Jan 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.

Ravi
PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally
(Post Via Kompally), 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

About the Department

The Department 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.

Proposed course helps for an integral aspect of designing and material selection is the use of mechanical properties derived from various mechanical testing its relation with the properties derived from various mechanical testing's, namely, tensile, compressive, hardness, torsion and bend, shear load, shock, and fatigue and creep testing's.

Objectives of the Programme

- To use the techniques, skills and modern engineering tools necessary for engineering.
- Elements required for designing a transformer.
- Ability to communicate effectively the electrical properties of materials.

Topics to be covered

- ❖ Basics of transformers.
- ❖ Parts of a transformer.
- ❖ load and no-load test, power frequency test, DVDF test.
- ❖ Types of D.C motors, losses and torque equation.
- ❖ Techniques for starting, speed control and braking.

Certificate

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

Outcome of the program

After completing the Course, analysis of designing and control of an electrical machine

Ravi
PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally
(Post Via Kompally), Sec'bad-500011



MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)
 UGC Autonomous Institution. Affiliated to JNTUH, 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, Telangana State – 500100

Department of Electrical and Electronics Engineering
Value Added Course

on

“Transformers and Electrical Machines”

2nd January – 6th January 2017

Programme Schedule

Date	Time	Topic	Resource Person
02-01-2017	10:10 – 11.00AM	Power scenario in India. various sources of power generation and on various voltage levels. The importance of Electrical Engineering.	Dr. J. Mahesh Yadav
	11:00 -11:15AM	Tea Break	
	11.15 – 12:45 PM	Basics of transformers, material used for the transformer core and winding,	
	12:45 – 1:30PM	Lunch	
	1:30 – 2:30 PM	The insulating material. Transformer oil. The type of cooling employed in transformers etc..	
	2:30 – 2:45PM	Tea Break	
	2:45 -4:00 PM	Parts of a transformer. Explained about the need for conservator.	
03-01-2017	9:30 – 11.00AM	protecting devices and tap changers, in a transformer.	Dr. J. Mahesh Yadav
	11:00 -11:15AM	Tea Break	
	11.15 – 12:45 PM	protecting devices and tap changers, in a transformer.	
	12:45 – 1:30PM	Lunch	
	1:30 – 2:30 PM	Display of the various insulating materials used in a transformer.	
	2:30 – 2:45PM	Tea Break	
	2:45 -4:00 PM	various tests that are carried out before a transformer is commissioned,	
04-01-2017	9:30 – 11.00AM	load and no-load test, power frequency test, DVDF test, magnetic balance test	Dr. J. Mahesh Yadav
	11:00 -11:15AM	Tea Break	
	11.15 – 12:45 PM	The software used for the design of transformers	

Principal
PRINCIPAL
 Malla Reddy Engineering College
 (Autonomous)
 Maisammaguda, Dhulapally,
 (Post Via Kompally), Sec'bad-500100

04-01-2017	12:45 – 1:30PM	Lunch	
	1:30 – 2:30 PM	design calculations of Core design, LV winding design, HV winding design,	
	2:30 – 2:45PM	Tea Break	
	2:45 -4:00 PM	Design of tank, design of radiator and conservator, on international standard. Calculations for the quantity of oil in a transformer.	
05-01-2017	9:30 – 11.00AM	DC Machines Principle of operation of D.C machines, types of D.C generators,	Dr. J. Mahesh Yadav
	11:00 -11:15AM	Tea Break	
	11.15 – 12:45 PM	EMF equation in D.C generator	
	12:45 – 1:30PM	Lunch	
	1:30 – 2:30 PM	Principle of operation of D.C motors, types of D.C motors, losses and torque equation..	
	2:30 – 2:45PM	Tea Break	
	2:45 -4:00 PM	Losses and efficiency calculation in D.C Machines Losses and efficiency calculation in D.C Machines,	
06-01-2017	9:30 – 11.00AM	Losses and efficiency calculation in D.C Machines,	Dr. J. Mahesh Yadav
	11:00 -11:15AM	Tea Break	
	11.15 – 12:45 PM	Three phase induction motor, principle of operation.	
	12:45 – 1:30PM	Lunch	
	1:30 – 2:30 PM	slip and rotor frequency, torque (simple problems).	
	2:30 – 2:45PM	Tea Break	
	2:45 -4:00 PM	Techniques for starting, speed control and braking.	


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



MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)
(UGC Autonomous Institution, Affiliated to JNTUH, 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, Telangana State – 500100

Department: EEE

Course : B.Tech

Date: 2/1/2017 to 6/1/2017

DEPARTMENT OF ELECTRICAL and ELECTRONICS ENGINEERING

List of Students Enrolled for Value Added Course

Academic Year 2016-2017

Name of the Value Added Course : Transformer and Electrical Machines

Sl.No	Roll No.	Name of the Student	Year/Semester
1	15J41A0201	AITHA THIRUPATHI	II/II
2	15J41A0205	BODAS NAVEEN	II/II
3	15J41A0206	BOGA SHRUNVANTH	II/II
4	15J41A0211	DEGA SUSHANTH	II/II
5	15J41A0213	DURISHETTI AKHIL	II/II
6	15J41A0214	ELUVAKA GAYATRI	II/II
7	15J41A0215	GADDA DIVYA	II/II
8	15J41A0217	GANTA MAHESH	II/II
9	15J41A0218	GODISELA UHA	II/II
10	15J41A0220	GOGULA NIKHIL	II/II
11	15J41A0224	ISLAVATH NARESH	II/II
12	15J41A0226	K BHAVANI	II/II
13	15J41A0229	KANYABOINA LOKESH	II/II
14	15J41A0232	KONA PAVAN KUMAR	II/II
15	15J41A0233	KOTRA PHANEENDRA	II/II
16	15J41A0235	MD SOHAIL ULLAH	II/II
17	15J41A0236	MERUGU VAMSHI KRISHNA	II/II
18	15J41A0237	MOHAMMED ASIF	II/II
19	15J41A0238	MOSAM TARUN	II/II
20	15J41A0240	NAMA SRI KAVYA	II/II
21	15J41A0241	PARELLY SANDHYA	II/II

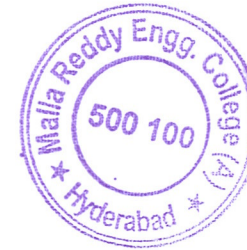
Rawd
PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100.



Sl.No	Roll No.	Name of the Student	Year/Semester
22	15J41A0243	PIDAMARTHI VINAY	II/II
23	15J41A0244	PONNAM SRAVANI	II/II
24	15J41A0245	PORANKI RUTHVIK	II/II
25	15J41A0249	REPAKA SAIDINESH	II/II
26	15J41A0250	SABAVAT LAVANYA	II/II
27	15J41A0255	SUDIP SARDAR	II/II
28	15J41A0258	VAGMARE SUSHEEL	II/II
29	16J45A0204	GODLA MAHESH	II/II
30	16J45A0205	KADIRE ASHOK	II/II

M. Reddy
HoD/EEE

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





MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

(An UGC Autonomous Institution, Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad). Accredited 2nd time by NAAC with 'A' Grade, Maisammaguda (H), Medchal-Malkajgiri District, Secunderabad, Telangana State – 500100, www.mrec.ac.in

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Date: 06.01.2017

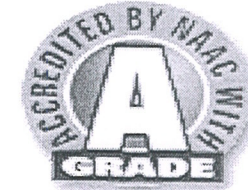
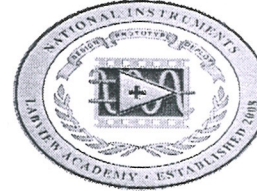
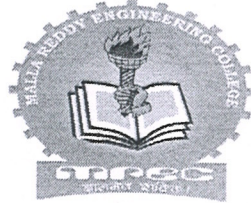
Report of Value added course on Transformers and Electrical Machines

A five days Value added course on Transformers and Electrical Machines was organized by the department of Electrical and Electronics Engineering and the event was coordinated by Mrs. Y. Sudha Reddy, Asst. Professor, EEE Department from 02nd Jan. to 06th Jan. 2017 and 30 students are attended from II year / II Sem. The resource person of the training programme was Dr. J. Mahesh Yadav, Assoc. Professor, GNITC, Hyderabad. The participants are trained in the field of Transformers & Electrical Machines and its engineering applications. It gave the conceptual level of knowledge to industry standards. This course is further focused on,

- Construction and Principle of operation of Transformers and Electrical Machines.
- Losses, Load test and no load test of Transformers.
- Types of Transformers and Motors.
- Losses and Torque equation of Motors.
- Techniques of starting, Braking and speed control of Motors.

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

HOD EEE



MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

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

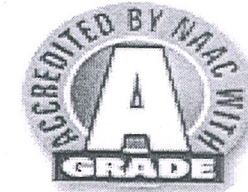
This is to certify that Mrs./Ms./Mr. DURISHETTI AKHIL bearing Roll Number 15J41A0213 has successfully completed Value added Course in "Transformer and Electrical Machines" Organized by the Department of Electrical and Electronics Engineering from 02-01-2017 to 06-01-2017.


Coordinator


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


HOD-EEE


Principal



MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

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

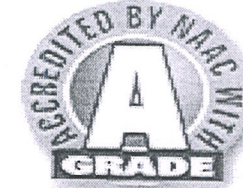
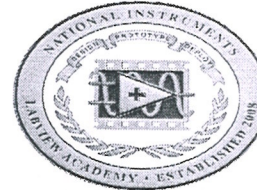
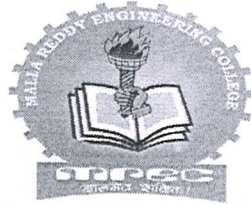
This is to certify that Mrs./Ms./Mr. BOGA SHRUNVANTH bearing Roll Number 15J41A0206 has successfully completed Value added Course in "Transformer and Electrical Machines" Organized by the Department of Electrical and Electronics Engineering from 02-01-2017 to 06-01-2017.

(2) f. 000
Coordinator

HOD-EEE

Principal

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



MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

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

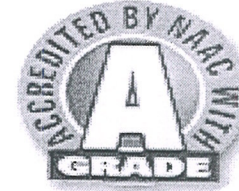
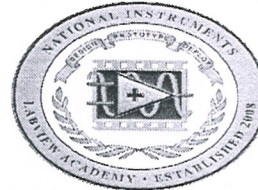
This is to certify that Mrs./Ms./Mr. DEGA SUSHANTH bearing Roll Number 15J41A0211 has successfully completed Value added Course in "Transformer and Electrical Machines" Organized by the Department of Electrical and Electronics Engineering from 02-01-2017 to 06-01-2017.


Coordinator


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


HOD-EEE


Principal



MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

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

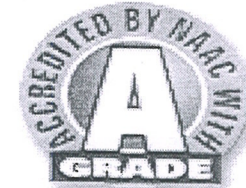
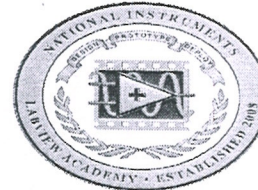
This is to certify that Mrs./Ms./Mr. BODAS NAVEEN bearing Roll Number 15J41A0205 has successfully completed Value added Course in "Transformer and Electrical Machines" Organized by the Department of Electrical and Electronics Engineering from 02-01-2017 to 06-01-2017


Coordinator


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


HOD-EEE


Principal



MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

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. AITHA THIRUPATHI bearing Roll Number 15J41A0201 has successfully completed Value added Course in "Transformer and Electrical Machines" Organized by the Department of Electrical and Electronics Engineering from 02-01-2017 to 06-01-2017.


Coordinator


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


HOD-EEE


Principal