



# VEMU INSTITUTE OF TECHNOLOGY::P.KOTHAKOTA

NEAR PAKALA, CHITTOOR-517112

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Anantapuramu)

## Department of Electrical & Electronics Engineering

VEMU/EEE/2019-20

Date: 20-01-2020

### Circular

It is hereby informed to all the EEE Lab Technicians that there is a Two days Workshop on “**Basic parts of D.C & A.C machines and hands on experience**” from **30/01/2020 - 31/01/2020** by Dr.D.Chandra sekhar, HOD,Dept.of EEE,& M.Murali, Associate professor, dept.of EEE, Vemu Institute of Technology, P.Kothakota. Hence all the EEE Lab Technicians are instructed to attend the workshop without fail.

Venue: EEE Seminar hall

Time: 10.00am-1.00pm

1.50pm-4.00pm

  
**HOD**  
**HEAD**

DEPARTMENT OF EEE  
VEMU INSTITUTE OF TECHNOLOGY  
P. KOTHAKOTA - 517 112

Copy To: The Principal Desk,

The Staff In-charge,

Circulate among all Lab Technicians.

V. R. Shivar

Rekha.

F. Yemina  
M. Nishan  
Ahmad.





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## Department of Electrical & Electronics Engineering


### PROGRAM SCHEDULE

Two days workshop on “Basic parts of D.C & A.C machines and hands on experience”

Date(s) : 30/01/2020 & 31/01/2020

Time: 10.00 AM to 04.00 PM

Date	Forenoon (10.00am-1.00pm)	Afternoon (1.50pm-4.00pm)
30/01/2020	Parts and its working operation of DC Electrical Machines	Frequent problems occur and procedure to repair in DC machines
31/01/2020	Parts and its working operation of AC Electrical Machines	Frequent problems occur and procedure to repair in AC machines

  
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**DEPARTMENT OF EEE  
VEMU INSTITUTE OF TECHNOLOGY  
P. KOTHAKOTA - 517 112**



# VEMU INSTITUTE OF TECHNOLOGY::P.KOTHAKOTA

NEAR PAKALA, CHITTOOR-517112

DEPT OF ELECTRICAL & ELECTRONICS ENGINEERING

## Two days WORKSHOP on "Basic Parts of D.C & A.C machines and Hands on Experience"

### Attendance Sheet

S.No.	Name of the Participant	30.01.2020		31.01.2020	
		FN	AN	FN	AN
1.	Mr.V.Rakesh Sharma	V.R. Sharma	V.R. Sharma	V.R. Sharma	V.R. Sharma
2.	Mr.P.Yerraiah	P.Yerraiah	P.Yerraiah	P.Yerraiah	P.Yerraiah
3.	Mrs.T.Rekha	T.Rekha	T.Rekha	T.Rekha	T.Rekha
4.	Mr.A.Jyothi Kishore	J.K	J.K	J.K	J.K
5.	Mr.G.Nishar Ahamed	G.Nishar Ahamed	G.Nishar Ahamed	G.Nishar Ahamed	G.Nishar Ahamed

A. H. S. S.  
Co-ordinator

  
HOD/EEE  
HEAD

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## PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms./Miss. T. Rekha of  
EEE department has actively participated in Two days workshop on "Basic  
Parts of D.C & A.C Machines and Hands on Experience" during 30/01/2020 & 31/01/2020  
organized by Department of EEE, VEMU IT.

  
**Dr. D. Chandrasekhar**  
HOD-EEE


*13/01/2020*  
**Dr. Naveen Kilari**  
Principal

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## PARTICIPATION CERTIFICATE

This is to certify that Mr./~~Ms.~~/Miss. A. Jyothi Kishore of  
EEE department has actively participated in Two days workshop on "Basic  
Parts of D.C & A.C Machines and Hands on Experience" during 30/01/2020 & 31/01/2020  
organized by Department of EEE, VEMU IT.

  
**Dr. D. Chandrasekhar**  
HOD-EEE

  
**Dr. Naveen Kilari**  
Principal



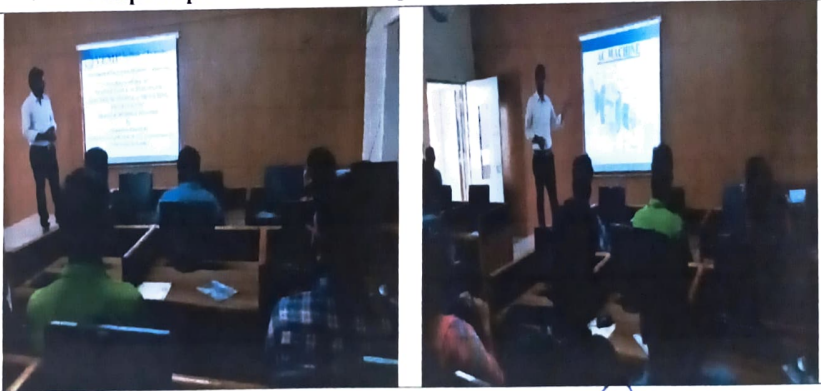
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## Department of Electrical & Electronics Engineering

### REPORT

<b>Event Type</b>	<b>Offline Staff Skill Development Program</b>
<b>Title of the Event</b>	<b>Two days workshop on " Basic parts of D.C &amp; A.C machines and hands on experience"</b>
<b>Dates</b>	<b>30/01/2020 &amp; 31/01/2020</b>
<b>Keynote speaker</b>	<b>Dr.D.Chandrasekhar,HOD, M.Murali,Assoc.prof, Dept. of EEE,Vemu institute of technology,P.kothakota</b>
<b>Faculty Coordinator</b>	<b>Dr.A.Hema Sekhar</b>
<b>Venue</b>	<b>Simulation Lab</b>
<b>Benefited Persons</b>	<b>EEE Lab technicians (5 Participants)</b>
<b>Description about the Event</b>	<p>The main objective of this Staff Skill Development Program is to provide information about parts, working operation, frequent problems and procedure to repair in DC and AC electrical machines. The two main parts of DC machines are the stator and the rotor. The stator contains parts such as brushes, magnets and housing for the whole motor. The rotor contains the windings, the commutator and the output shaft. The two parts work together when voltage is applied to create a moving motor. The major problems in DC machines are Carbon Brushes, Brush Rack Adjustment, Commutator Maintenance, Winding Issues etc., The main types of external faults experienced by an induction motor are over-loading, single phasing, unbalanced supply voltage, locked rotor, phase reversal, ground faults, and under/over voltage. The procedure to repair an induction motors are Measuring &amp; Testing during Electric Motor Repair, Machining, Dynamic Balancing for Electric Motor Repair, Electric Motor Stripping, Electric Motor Rewinding, Electric Motor Varnishing, Assembly &amp; Testing and Painting.</p>
<b>Outcome</b>	<ul style="list-style-type: none"> <li>❖ Parts of DC machines,</li> <li>❖ Working of DC machines,</li> <li>❖ Frequent problems occur and procedure to repair in DC machines,</li> <li>❖ Parts and its working operation of AC Electrical Machines and</li> <li>❖ Frequent problems occur and procedure to repair in AC machines.</li> </ul>
<b>Photos</b>	

*A Hema*  
(co-ordinator)

*[Signature]*  
HOD / EEE  
HOD

Electrical & Electronics Enng.  
Vemu Institute of Technology  
P. Kothakota