



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: 15.11.2021

All the students are hereby informed that Value Added Course on **APPLICATIONS OF AC CIRCUITS** from 22nd Nov to 27th Nov 2021 is being organized by the Electrical and Electronics Engineering. The resource person for the course is Mr. Hanumantha rao, Trainer in ACE Academy. Students are advised to register their names to the programme coordinator Mr.G. Venu on or before 20.11.2021 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 DEPARTMENT
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100.

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
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100.

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, currently Hon'ble Minister, Labor and Employment, Factories, Women and Child Welfare and Skill Development, 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. Institute Offers all branches 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 Raveendra, Principal, MREC (A)** who have a rich teaching and industrial experience.

Raveendra
Principal
Malla Reddy Engineering College
Maisammaguda, Gundlapochampally,
Medchal (M), Medchal - Malkajgiri District
Telangana - 500100

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. A.Raveendra
Principal, MREC(A)

Convener: Dr.N.Rajeswaran
HOD EEE

Coordinator: Mrs.G Venu
Assistant Professor, EEE

Resource Person : Mr. Hanumantha rao,
Trainer in ACE Academy

Organizing Committee:

Dr.N.Rajeswaran, Professor, EEE

Dr.T.Rajesh, Associate Professor, EEE

Mr.P. Kamalakar, Assoc. Professor, EEE

Mr. Dr. P Sarala, Assoc. Professor, EEE

Mr.Ch NarendraKumar, Assoc. Professor, EEE

Mr.V.Ganesh Kumar, Assoc. Professor, EEE

Mr. C Rami Reddy, Asst.Prof, EEE

Mrs.Md Praveen, Asst.Prof, EEE

Mrs.S. Bharathi, Asst.Prof, EEE

Mr.KSS Naga Teja, Asst.Prof, EEE

Mr.P.Ganesh, Asst.Prof, EEE

Mr.Madhu Mohan Reddy A, Asst.Prof, EEE

Mrs.V.Suma Deepthi, Asst.Prof, EEE

Mrs D Chandrashekar, Asst.Prof, EEE



*A Value added Course
On*

"APPLICATIONS OF AC CIRCUITS"

(22/11/2021 to 27/11/2021)



*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.

EEE DEPARTMENT
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, D
(Post Via K

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 at MREC has been producing high quality technical manpower needed by industry, R&D organizations, and academic institutions since 2002 with an intake of 60. The Department also offering PG Program EPS The department UG Program was accredited by NBA in 2008 and Re-accredited in 2014.

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 faculty members enabling them to introspect and learn techniques that imbibe ethics & morals in their teaching and help pre-prepare students for active and successful participation in a modern society, producing individuals of high character, probity and honor.

Proposed FDP is helping to imbibe the skills and competencies required to achieve goals directed by values, to maintain and enhance faculty effectiveness by inculcating dynamism and leadership qualities and to develop commitment and ethical approach towards work, and instill a sense of responsibility towards the institution. Also to enhance communication and soft skills, by introducing innovative teaching methodologies and developing an inter-personal connection with students. To achieve this goal, Art of Living foundation is conducting this workshop through ATAL.

Objectives of the Programme:

- To imbibe the skills and competencies required to achieve goals directed by values.
- To maintain and enhance faculty effectiveness by inculcating dynamism and leadership qualities.
- To Develop the basic Knowledge of AC circuits among the students.

Topics to be covered:

- ❖ Basics of AC Circuits
- ❖ Principle of alternating voltage generation
- ❖ Measurement of power in three phase circuits

Test and Certificate:

A test will be conducted at the end of the program and the certificates shall be issued to those participants

Outcome of the Program:

After completing the Course, the faculty and students will :

- To understand the parameters and its effect in alternating current system
- To comprehend the generation of poly phase voltages.
- To understand the effect of power factor in system

Ramulu
Principal
Malla Reddy Engineering College
Malsammaguda, Dhulapally,
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Maisammaguda (H), Medchal-Malkajgiri District, Telangana State – 500100

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING


**Value Added Course
on
“APPLICATIONS OF AC CIRCUITS”**

**22/11/2021 to 22/11/2021
Programme Schedule**

Date	Time	Topic	Resource Person
22/11/2021	9:30-4:00PM	To comprehend the method of generation of voltage.	Mr. Hanumantha rao,
23/11/2021	9:30-4:00PM	To understand the different types of interconnection and its effects.	Mr. Hanumantha rao,
24/11/2021	9:30-4:00PM	To comprehend the generation of poly phase voltages.	Mr. Hanumantha rao,
25/11/2021	9:30-4:00PM	To understand the power measurement in poly phase system.	Mr. Hanumantha rao,
26/11/2021	9:30-4:00PM	To understand the effect of power factor in system.	Mr. Hanumantha rao,
26/11/2021	9:30-4:00PM	To understand the concept of voltage triangle and impedance triangle	Mr. Hanumantha rao,

Renuka
Principal
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DEPARTMENT OF ELECTRICAL and ELECTRONICS ENGINEERING

Academic Year 2021-2022

Value Added Course on “APPLICATIONS OF AC CIRCUITS”

SYLLABUS

Day-1 Mathematical Background for AC circuits Vector representation of alternating quantities, addition, subtraction, multiplication and division, Phasor & Phasor Diagram drawings, Waveforms.

Day-2 AC Fundamentals Principle of generating an alternating voltage, Cycle, Time period, Frequency, Amplitude, Phase and Phase difference, Average value, R.M.S. value, Form factor, Peak Factor and Power Factor, R.M.S. value of sinusoidal current, Solve numerical based on AC fundamentals, Phase and phase difference, Solve numerical based on phase and phase difference

Day-3 AC Series Circuits Voltage in phasor and waveform, current and power in pure: Resistance, Inductance, Capacitance, AC through R-L, R-C, L-C, R-L-C series circuit, Resonant frequency and Resonance condition in RLC series circuit, Numerical on AC series circuit


Day-4 AC Parallel Circuits Behavior of AC voltage, current and power through RL, RC and RLC parallel circuit., Resonant frequency and resonance condition in parallel AC circuits, Numerical based on AC parallel circuits and parallel resonance., Comparison of AC series and AC parallel circuit

Day-5 Polyphase Circuits Principle of generation of three phase alternating voltage, Line and phase voltage, line and phase current, Differentiate between single and three phase circuits., Phase sequence, Basic connection of star and delta circuit, Star and delta connection and relation of current & voltage

Day-6 Power in AC Circuits Power triangle: Active, reactive and apparent power with examples, Lagging, leading power and unity power factor, Effects of poor power factor.

Ravi
Principal
Malla Reddy Engineering College
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		Course : B.Tech
		Date: 22/11/2021 to 27/11/2021

DEPARTMENT OF ELECTRICAL and ELECTRONICS ENGINEERING
List of Students Enrolled for Value Added Course
Academic Year 2021-2022
Name of the Value Added Course : APPLICATIONS OF AC CIRCUITS

EEE A

Sl.No	Roll No	Name	YEAR /SEMESTER
1	20J41A0201	ALEY SHANMUKHA SAI BABA	II/I
2	20J41A0202	AMBATI SRIKANTH	II/I
3	20J41A0203	AZMEERA VAMSI VINAY	II/I
4	20J41A0204	B S ASHRITH SRIKAR	II/I
5	20J41A0205	BALAMARTHI NAGA RAJU	II/I
6	20J41A0206	BANOTH HARILAL	II/I
7	20J41A0207	BOLLU AKHIL VARDHAN	II/I
8	20J41A0208	BOLLU VINAY	II/I
9	20J41A0209	BOMMAKANTI BHAVANA	II/I
10	20J41A0210	CHATLAPALLI PAVAN GOUD	II/I
11	20J41A0211	DAGAM MAHESH	II/I
12	20J41A0212	DHARAVATH SANDHYA	II/I
13	20J41A0213	DHARAVATH SIMHADRI	II/I
14	20J41A0214	DUVVALA CHAITANYA	II/I
15	20J41A0215	EMBADI ANJALI	II/I
16	20J41A0216	GADDE SAI UMA CHOWDARY	II/I
17	20J41A0217	GADIOLA KEERTHI REDDY	II/I
18	20J41A0218	GAJAM LIKITH KUMAR	II/I
19	20J41A0219	GOLLA VINESH	II/I
20	20J41A0220	GUGULOTH ISWARYA	II/I
21	20J41A0221	JUPAKA REVANTH	II/I
22	20J41A0222	KOMMU GANA SAI VENKAT	II/I
23	20J41A0223	KONDRA RAJESH	II/I
24	20J41A0224	KONKALA AKSHAY REDDY	II/I
25	20J41A0225	KOSURU CHARAN TEJA	II/I
26	20J41A0226	MARRIPPELLI SAI CHANDRA	II/I
27	20J41A0227	MALURKAR NITIN	II/I
28	20J41A0228	MAMILLAPALLI VAMSHI KRISHNA	II/I
29	20J41A0229	MANIKONDA SAI KIRAN	II/I
30	20J41A0230	MEDIDA SHIVUDU	II/I
31	20J41A0231	MOHAMMAD ANSAR ALI KHAN	II/I


 Principal
 Malla Reddy Engineering College
 Maisammaguda, Dhulapally,
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 EEE Department Head
 Malla Reddy Engineering College
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 Maisammaguda, Dhulapally,
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32	20J41A0232	MORAPU RACHANA	II/I
33	20J41A0233	MUNIMADUGULA SRAVAN KUMAR	II/I
34	20J41A0234	MUTHYALA ABHISHEK KUMAR	II/I
35	20J41A0235	NANDA SHALVA	II/I
36	20J41A0236	PANUGANTI VARUN	II/I
37	20J41A0237	PATLOLLA SRI HARI	II/I
38	20J41A0238	PENDA NITISH	II/I
39	20J41A0239	POLICE PRASHANTH KUMAR	II/I
40	20J41A0240	SATYAJIT DASH	II/I
41	20J41A0241	UTHKAM PAVAN GOUD	II/I
42	20J41A0242	VEERNAPU JOHN WESLY	II/I
43	20J41A0243	VEMPATI SIDDHARTHA	II/I
44	21J45A0201	ACHHA SHIVA SHANKAR	II/I
45	21J45A0202	AEMULA GANESH	II/I
46	21J45A0203	ALLAM SHRUTHISHA	II/I
47	21J45A0204	BANKURU SAI BHARGAV	II/I
48	21J45A0205	BANOTH SACHIN	II/I
49	21J45A0206	BARIGALA BHARATH	II/I
50	21J45A0207	BATHULA RAMU	II/I
51	21J45A0208	BIRADAR BASWARAJ	II/I
52	21J45A0209	BUDIME AJAY	II/I
53	21J45A0210	BURRA SANTHOSHINI	II/I
54	21J45A0211	CHABATHULA PRASANNA	II/I
55	21J45A0212	CHELLINGI KRISHNACHAITANYA	II/I
56	21J45A0213	CHILUKA MANICHANDHAN	II/I
57	21J45A0214	DARMADAS SAI VARDHAN	II/I
58	21J45A0215	DASARI PRANEETH	II/I
59	21J45A0216	DEVUNI RUCHITHA	II/I
60	21J45A0217	DONIKENI YASHWANTH GOUD	II/I
61	21J45A0218	GUGULOTH HARITHA	II/I
62	21J45A0219	GUJARATHI RAVI KIRAN	II/I
63	21J45A0220	GURIJELA MADHU	II/I
64	21J45A0221	JAJOLLA BHANU TEJA SAGAR	II/I
65	21J45A0222	K NIKHIL TEJA	II/I
66	21J45A0223	KAMINDLA PRANAY	II/I

EEE B

Sl.No	Roll No	Name	YEAR /SEMESTER
1	20J41A0244	A VEERA BASAVIAH	II/I
2	20J41A0245	AKULA MOHAN	II/I
3	20J41A0246	ASHWITA RUDRARAF	II/I
4	20J41A0247	B SHIVANSH	II/I

Ramachandra
Principal
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[Signature]
EEE DEPARTMENT
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5	20J41A0248	BHUKYA SUBHASH CHANDRA BOSE NAIK	II/I
6	20J41A0249	C PAVAN KUMAR	II/I
7	20J41A0250	CHINNAPONGU SRIMANIKANTA	II/I
8	20J41A0251	DASARI SANJAY	II/I
9	20J41A0252	DHARAVATH SREENIVAS	II/I
10	20J41A0253	G SRIKANTH	II/I
11	20J41A0254	GOPU SATHWIKA	II/I
12	20J41A0255	GURRALA DEVA	II/I
13	20J41A0256	HARI PRASAD RAO TUNGUTURI DALAK	II/I
14	20J41A0257	KAKATI DILEEP	II/I
15	20J41A0258	KUNCHALA YASHWANTH	II/I
16	20J41A0259	LELLA GOPICHAND	II/I
17	20J41A0260	M VINAY	II/I
18	20J41A0261	MAILAPALLI CHINNARI MEGHANA	II/I
19	20J41A0262	MALAKAMMARI ARUN KUMAR	II/I
20	20J41A0263	NETHIKOPULA PAVAN SANDEEP	II/I
21	20J41A0264	MANCHURI MEGHANA	II/I
22	20J41A0265	MANKENA PAVANI	II/I
23	20J41A0266	MEDE SAI CHARAN	II/I
24	20J41A0267	PAKA SATHVIK	II/I
25	20J41A0268	PAGADALA NAVYA SREE	II/I
26	20J41A0269	PANASA VENKATA ADITHI	II/I
27	20J41A0270	PATIL VENKAT	II/I
28	20J41A0271	PAWAR SATHYANARAYANA	II/I
29	20J41A0272	PODDUTURI NIKHIL REDDY	II/I
30	20J41A0273	RAMAVATH SATHISH	II/I
31	20J41A0274	SIDDABATHULA DURGA HIMABINDU	II/I
32	20J41A0275	SUNAPU SURESH	II/I
33	20J41A0276	SUNKE ABHIGNA	II/I
34	20J41A0277	SURAM SAI KRISHNA	II/I
35	20J41A0278	SUROYIT DAS	II/I
36	20J41A0279	THADA SAKETH REDDY	II/I
37	20J41A0281	THUMATI KOWSHIK	II/I
38	20J41A0282	THUMMALA SAI CHETHAN	II/I
39	20J41A0284	VEMULA VINAY	II/I
40	20J41A0285	VUSHAGONI NIKHITHA	II/I
41	20J41A0286	YALAVARTHI MANVITHA SIRI PHANI	II/I
42	20J41A0287	VEMULA VAMSHI	II/I
43	20J41A0288	CHALLA DINESH KUMAR	II/I
44	20J41A0289	MEKALA RAVI	II/I
45	20J41A0290	BANOTH EASHANTH PRUDVI	II/I

Renush
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100.

EEE DEPARTMENT
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Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100.

46	20J41A0291	ALLA JAYA SAI VISHNU DATTA	II/I
47	21J45A0224	KASIREDDYGOUTHAM	II/I
48	21J45A0225	KENAP UDAY KIRAN	II/I
49	21J45A0226	KODADHALA RAKESH	II/I
50	21J45A0227	KORRAPATI SAIKIRAN	II/I
51	21J45A0228	MASETTI BARDINADH	II/I
52	21J45A0229	MATAM HRUSHIKESH	II/I
53	21J45A0230	MATETI SUDHAKIRAN	II/I
54	21J45A0231	PITTALA SATHISH KUMAR	II/I
55	21J45A0232	RAPARTHI AKASH	II/I
56	21J45A0233	REDDY MANIDEEPAK	II/I
57	21J45A0234	RONTALA SAI CHARAN REDDY	II/I
58	21J45A0235	SIRIKONDA ASHISH SAI	II/I
59	21J45A0236	SOMISETTY SHARATH KUMAR	II/I
60	21J45A0237	SUNTARAMONI CHANDRA SHEKAR	II/I
61	21J45A0238	THALLURI AKHIL SAI	II/I
62	21J45A0239	THANGELLA PRIYATHAM RAJU	II/I
63	21J45A0240	UPPULA AKHIL TEJ	II/I
64	21J45A0241	VATTE SHIRISHA	II/I
65	21J45A0242	DEMULA GANGADHAR RAO	II/I

Ramdh
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec bad-500100.

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(Post Via Kompally), Sec bad-500100



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

Department: EEE

Course : B.Tech

Date: 22/11/2021 to 27/11/2021

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Academic Year 2021-2022

Name of the Value Added Course : APPLICATIONS OF AC CIRCUITS

Attendance Sheet

EEE A

Sl.No	Roll No	Name	22/11/2021		23/11/2021		24/11/2021		25/11/2021		26/11/2021		27/11/2021	
			(FN)	(AN)	(FN)	(AN)	(FN)	(AN)	(FN)	(AN)	(FN)	(AN)	(FN)	(AN)
1	20J41A0201	ALEY SHANMUKHA SAI BABA	Sai	Sai	Sai	Sai	Sai	Sai	Sai	Sai	Sai	Sai	Sai	Sai
2	20J41A0202	AMBATI SRIKANTH	Sri	Sri	Sri	Sri	Sri	Sri	Sri	Sri	Sri	Sri	Sri	Sri
3	20J41A0203	AZMEERA VAMSI VINAY	A	A	A	A	A	A	A	A	A	A	A	A
4	20J41A0204	B S ASHRITH SRIKAR	Srikar	Srikar	Srikar	Srikar	Srikar	Srikar	Srikar	Srikar	Srikar	Srikar	Srikar	Srikar
5	20J41A0205	BALAMARTHI NAGA RAJU	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj
6	20J41A0206	BANOTH HARILAL	B.Hari	B.Hari	B.Hari	B.Hari	B.Hari	B.Hari	B.Hari	B.Hari	B.Hari	B.Hari	B.Hari	B.Hari
7	20J41A0207	BOLLU AKHIL VARDHAN	Ven	Ven	Ven	Ven	Ven	Ven	Ven	Ven	Ven	Ven	Ven	Ven
8	20J41A0208	BOLLU VINAY	B	B	B	B	B	B	B	B	B	B	B	B
9	20J41A0209	BOMMAKANTI BHAVANA	B	B	B	B	B	B	B	B	B	B	B	B
10	20J41A0210	CHATLAPALLI PAVAN GOUD	P	P	P	P	P	P	P	P	P	P	P	P
11	20J41A0211	DAGAM MAHESH	M	M	M	M	M	M	M	M	M	M	M	M
12	20J41A0212	DHARAVATH SANDHYA	D.S	D.S	D.S	D.S	D.S	D.S	D.S	D.S	D.S	D.S	D.S	D.S
13	20J41A0213	DHARAVATH SIMHADRI	Dy	Dy	Dy	Dy	Dy	Dy	Dy	Dy	Dy	Dy	Dy	Dy
14	20J41A0214	DUVVALA CHAITANYA	Ch	Ch	Ch	Ch	Ch	Ch	Ch	Ch	Ch	Ch	Ch	Ch
15	20J41A0215	EMBADI ANJALI	Anj	Anj	Anj	Anj	Anj	Anj	Anj	Anj	Anj	Anj	Anj	Anj
16	20J41A0216	GADDE SAI UMA CHOWDARY	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu
17	20J41A0217	GADILOLA KEERTHI REDDY	G.K	G.K	G.K	G.K	G.K	G.K	G.K	G.K	G.K	G.K	G.K	G.K
18	20J41A0218	GAJAM LIKITH KUMAR	Ku	Ku	Ku	Ku	Ku	Ku	Ku	Ku	Ku	Ku	Ku	Ku
19	20J41A0219	GOLLA VINESH	Vin	Vin	Vin	Vin	Vin	Vin	Vin	Vin	Vin	Vin	Vin	Vin
20	20J41A0220	GUGULOTH ISWARYA	I	I	I	I	I	I	I	I	I	I	I	I

Malla Reddy Engineering College
Maisammaguda, Medchal-Malkajgiri
(Post Via Kompally), Sec'bad-500100.

21	20J41A0221	JUPAKA REVANTH	Jupak	Jupak	Jupak	Jupak	Jupak	Jupak	Jupak	Jupak	Jupak	Jupak	Jupak	Jupak
22	20J41A0222	KOMMU GANA SAI VENKAT	Venkat	Venkat	Venkat	Venkat	Venkat	Venkat	Venkat	Venkat	Venkat	Venkat	Venkat	Venkat
23	20J41A0223	KONDRA RAJESH	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj
24	20J41A0224	KONKALA AKSHAY REDDY	K.Akshy	K.Akshy	K.Akshy	K.Akshy	K.Akshy	K.Akshy	K.Akshy	K.Akshy	K.Akshy	K.Akshy	K.Akshy	K.Akshy
25	20J41A0225	KOSURU CHARAN TEJA	Charan	Charan	Charan	Charan	Charan	Charan	Charan	Charan	Charan	Charan	Charan	Charan
26	20J41A0226	MARRIPELLI SAI CHANDRA	Chandra	Chandra	Chandra	Chandra	Chandra	Chandra	Chandra	Chandra	Chandra	Chandra	Chandra	Chandra
27	20J41A0227	MALURKAR NITIN	Nitin	Nitin	Nitin	Nitin	Nitin	Nitin	Nitin	Nitin	Nitin	Nitin	Nitin	Nitin
28	20J41A0228	MAMILLAPALLI VAMSHI KRISHNA	Vamshi	Vamshi	Vamshi	Vamshi	Vamshi	Vamshi	Vamshi	Vamshi	Vamshi	Vamshi	Vamshi	Vamshi
29	20J41A0229	MANIKONDA SAI KIRAN	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran
30	20J41A0230	MEDIDA SHIVUDU	Shivudu	Shivudu	Shivudu	Shivudu	Shivudu	Shivudu	Shivudu	Shivudu	Shivudu	Shivudu	Shivudu	Shivudu
31	20J41A0231	MOHAMMAD ANSAR ALI KHAN	Ali	Ali	Ali	Ali	Ali	Ali	Ali	Ali	Ali	Ali	Ali	Ali
32	20J41A0232	MORAPU RACHANA	Rachana	Rachana	Rachana	Rachana	Rachana	Rachana	Rachana	Rachana	Rachana	Rachana	Rachana	Rachana
33	20J41A0233	MUNIMADUGULA SRAVAN KUMAR	Sraavan	Sraavan	Sraavan	Sraavan	Sraavan	Sraavan	Sraavan	Sraavan	Sraavan	Sraavan	Sraavan	Sraavan
34	20J41A0234	MUTHYALA ABHISHEK KUMAR	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
35	20J41A0235	NANDA SHALVA	Shalva	Shalva	Shalva	Shalva	Shalva	Shalva	Shalva	Shalva	Shalva	Shalva	Shalva	Shalva
36	20J41A0236	PANUGANTI VARUN	Varun	Varun	Varun	Varun	Varun	Varun	Varun	Varun	Varun	Varun	Varun	Varun
37	20J41A0237	PATLOLLA SRI HARI	Srihari	Srihari	Srihari	Srihari	Srihari	Srihari	Srihari	Srihari	Srihari	Srihari	Srihari	Srihari
38	20J41A0238	PENDA NITISH	Nitish	Nitish	Nitish	Nitish	Nitish	Nitish	Nitish	Nitish	Nitish	Nitish	Nitish	Nitish
39	20J41A0239	POLICE PRASHANTH KUMAR	Prashanth	Prashanth	Prashanth	Prashanth	Prashanth	Prashanth	Prashanth	Prashanth	Prashanth	Prashanth	Prashanth	Prashanth
40	20J41A0240	SATYAJIT DASH	Satyajit	Satyajit	Satyajit	Satyajit	Satyajit	Satyajit	Satyajit	Satyajit	Satyajit	Satyajit	Satyajit	Satyajit
41	20J41A0241	UTHKAM PAVAN GOUD	Pavangoud	Pavangoud	Pavangoud	Pavangoud	Pavangoud	Pavangoud	Pavangoud	Pavangoud	Pavangoud	Pavangoud	Pavangoud	Pavangoud
42	20J41A0242	VEERNAPU JOHN WESLY	Johnwesly	Johnwesly	Johnwesly	Johnwesly	Johnwesly	Johnwesly	Johnwesly	Johnwesly	Johnwesly	Johnwesly	Johnwesly	Johnwesly
43	20J41A0243	VEMPATI SIDDHARTHA	Siddhartha	Siddhartha	Siddhartha	Siddhartha	Siddhartha	Siddhartha	Siddhartha	Siddhartha	Siddhartha	Siddhartha	Siddhartha	Siddhartha
44	21J45A0201	ACHHA SHIVA SHANKAR	Shiva Shankar	Shiva Shankar	Shiva Shankar	Shiva Shankar	Shiva Shankar	Shiva Shankar	Shiva Shankar	Shiva Shankar	Shiva Shankar	Shiva Shankar	Shiva Shankar	Shiva Shankar
45	21J45A0202	AEMULA GANESH	Ganesh	Ganesh	Ganesh	Ganesh	Ganesh	Ganesh	Ganesh	Ganesh	Ganesh	Ganesh	Ganesh	Ganesh
46	21J45A0203	ALLAM SHRUTHISHA	Shruthisha	Shruthisha	Shruthisha	Shruthisha	Shruthisha	Shruthisha	Shruthisha	Shruthisha	Shruthisha	Shruthisha	Shruthisha	Shruthisha
47	21J45A0204	BANKURU SAI BHARGAV	Bhargav	Bhargav	Bhargav	Bhargav	Bhargav	Bhargav	Bhargav	Bhargav	Bhargav	Bhargav	Bhargav	Bhargav
48	21J45A0205	BANOTH SACHIN	Sachin	Sachin	Sachin	Sachin	Sachin	Sachin	Sachin	Sachin	Sachin	Sachin	Sachin	Sachin
49	21J45A0206	BARIGALA BIHARATH	Biharath	Biharath	Biharath	Biharath	Biharath	Biharath	Biharath	Biharath	Biharath	Biharath	Biharath	Biharath
50	21J45A0207	BATHULA RAMU	Ramu	Ramu	Ramu	Ramu	Ramu	Ramu	Ramu	Ramu	Ramu	Ramu	Ramu	Ramu

Malsani Maguda, Sec'bad
W-1, Via Kompally,

51	21J45A0208	BIRADAR BASWARAJ	B	B	B	B	B	B	B	B	B	B	B	B
52	21J45A0209	BUDIME AJAY	A	A	A	A	A	A	A	A	A	A	A	A
53	21J45A0210	BURRA SANTHOSHINI	Su	Su	Su	Su	Su	Su	Su	Su	Su	Su	Su	Su
54	21J45A0211	CHABATHULA PRASANNA	P	P	P	P	P	P	P	P	P	P	P	P
55	21J45A0212	CHELLINGI KRISHNACHAITANYA	Krish	Krish	Krish	Krish	Krish	Krish	Krish	Krish	Krish	Krish	Krish	Krish
56	21J45A0213	CHILUKA MANICHANDHAN	mani Chandh	mani Chandh	mani Chandh	mani Chandh	mani Chandh	mani Chandh	mani Chandh	mani Chandh	mani Chandh	mani Chandh	mani Chandh	mani Chandh
57	21J45A0214	DARMADAS SAI VARDHAN	D	D	D	D	D	D	D	D	D	D	D	D
58	21J45A0215	DASARI PRANEETH	D	D	D	D	D	D	D	D	D	D	D	D
59	21J45A0216	DEVUNI RUCHITHA	Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru
60	21J45A0217	DONIKENI YASHWANTH GOUD	Yu	Yu	Yu	Yu	Yu	Yu	Yu	Yu	Yu	Yu	Yu	Yu
61	21J45A0218	GUGULOTH HARITHA	Hu	Hu	Hu	Hu	Hu	Hu	Hu	Hu	Hu	Hu	Hu	Hu
62	21J45A0219	GUJARATHI RAVI KIRAN	R	R	R	R	R	R	R	R	R	R	R	R
63	21J45A0220	GURIJELA MADHU	Madhu	Madhu	Madhu	Madhu	Madhu	Madhu	Madhu	Madhu	Madhu	Madhu	Madhu	Madhu
64	21J45A0221	JAJOLLA BHANU TEJA SAGAR	Tej	Tej	Tej	Tej	Tej	Tej	Tej	Tej	Tej	Tej	Tej	Tej
65	21J45A0222	K NIKHIL TEJA	Nu	Nu	Nu	Nu	Nu	Nu	Nu	Nu	Nu	Nu	Nu	Nu
66	21J45A0223	KAMINDLA PRANAY	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR

G. V. K.
COORDINATOR

R. V. K.
Principal
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R. V. K.
HOD/EE
EEE DEPARTMENT
Malla Reddy Engineering College
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Malsammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100.

EEE B

Sl.No	Roll No	Name	22/11/2021		23/11/2021		24/11/2021		25/11/2021		26/11/2021		27/11/2021	
			(FN)	(AN)	(FN)	(AN)	(FN)	(AN)	(FN)	(AN)	(FN)	(AN)	(FN)	(AN)
1	20J41A0244	A VEERA BASAVAI AH	Basav	Basav	Basav	Basav	Basav	Basav	Basav	Basav	Basav	Basav	Basav	Basav
2	20J41A0245	AKULA MOHAN	Akula	Akula	Akula	Akula	Akula	Akula	Akula	Akula	Akula	Akula	Akula	Akula
3	20J41A0246	ASHWITA RUDRARAF	Ashwita	Ashwita	Ashwita	Ashwita	Ashwita	Ashwita	Ashwita	Ashwita	Ashwita	Ashwita	Ashwita	Ashwita
4	20J41A0247	B SHIVANSH	B Shivansh	B Shivansh	B Shivansh	B Shivansh	B Shivansh	B Shivansh	B Shivansh	B Shivansh	B Shivansh	B Shivansh	B Shivansh	B Shivansh
5	20J41A0248	BHUKYA SUBHASH CHANDRA BOSE NAIK	Bose	Bose	Bose	Bose	Bose	Bose	Bose	Bose	Bose	Bose	Bose	Bose
6	20J41A0249	C PAVAN KUMAR	Pavani	Pavani	Pavani	Pavani	Pavani	Pavani	Pavani	Pavani	Pavani	Pavani	Pavani	Pavani
7	20J41A0250	CHINNAPONGU SRIMANIKANTA	Chinnap	Chinnap	Chinnap	Chinnap	Chinnap	Chinnap	Chinnap	Chinnap	Chinnap	Chinnap	Chinnap	Chinnap
8	20J41A0251	DASARI SANJAY	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay
9	20J41A0252	DHARAVATH SREENIVAS	Dharavath	Dharavath	Dharavath	Dharavath	Dharavath	Dharavath	Dharavath	Dharavath	Dharavath	Dharavath	Dharavath	Dharavath
10	20J41A0253	G SRIKANTH	Srikant	Srikant	Srikant	Srikant	Srikant	Srikant	Srikant	Srikant	Srikant	Srikant	Srikant	Srikant
11	20J41A0254	GOPU SATHWIK	Sathwik	Sathwik	Sathwik	Sathwik	Sathwik	Sathwik	Sathwik	Sathwik	Sathwik	Sathwik	Sathwik	Sathwik
12	20J41A0255	GURRALA DEVA	Devu	Devu	Devu	Devu	Devu	Devu	Devu	Devu	Devu	Devu	Devu	Devu
13	20J41A0256	HARI PRASAD RAO TUNGUTURI DALAK	Hari	Hari	Hari	Hari	Hari	Hari	Hari	Hari	Hari	Hari	Hari	Hari
14	20J41A0257	KAKATI DILEEP	Dileep	Dileep	Dileep	Dileep	Dileep	Dileep	Dileep	Dileep	Dileep	Dileep	Dileep	Dileep
15	20J41A0258	KUNCHALA YASHWANTH	Yashwanth	Yashwanth	Yashwanth	Yashwanth	Yashwanth	Yashwanth	Yashwanth	Yashwanth	Yashwanth	Yashwanth	Yashwanth	Yashwanth
16	20J41A0259	LELLA GOPICHAND	Gopichand	Gopichand	Gopichand	Gopichand	Gopichand	Gopichand	Gopichand	Gopichand	Gopichand	Gopichand	Gopichand	Gopichand
17	20J41A0260	M VINAY	Vinay	Vinay	Vinay	Vinay	Vinay	Vinay	Vinay	Vinay	Vinay	Vinay	Vinay	Vinay
18	20J41A0261	MAILAPALLI CHINNARI MEGHANA	Meghana	Meghana	Meghana	Meghana	Meghana	Meghana	Meghana	Meghana	Meghana	Meghana	Meghana	Meghana
19	20J41A0262	MALAKAMMARI ARUN KUMAR	Arun	Arun	Arun	Arun	Arun	Arun	Arun	Arun	Arun	Arun	Arun	Arun
20	20J41A0263	NETHIKOPULA PAVAN SANDEEP	Pavan Sandeep	Pavan Sandeep	Pavan Sandeep	Pavan Sandeep	Pavan Sandeep	Pavan Sandeep	Pavan Sandeep	Pavan Sandeep	Pavan Sandeep	Pavan Sandeep	Pavan Sandeep	Pavan Sandeep
21	20J41A0264	MANCHURI MEGHANA	Megha	Megha	Megha	Megha	Megha	Megha	Megha	Megha	Megha	Megha	Megha	Megha
22	20J41A0265	MANKENA PAVANI	Pavani	Pavani	Pavani	Pavani	Pavani	Pavani	Pavani	Pavani	Pavani	Pavani	Pavani	Pavani
23	20J41A0266	MENDE SAI CHARAN	Sai	Sai	Sai	Sai	Sai	Sai	Sai	Sai	Sai	Sai	Sai	Sai
24	20J41A0267	PAKA SATHVIK	Sathvik	Sathvik	Sathvik	Sathvik	Sathvik	Sathvik	Sathvik	Sathvik	Sathvik	Sathvik	Sathvik	Sathvik
25	20J41A0268	PAGADALA NAVYA SREE	Navya	Navya	Navya	Navya	Navya	Navya	Navya	Navya	Navya	Navya	Navya	Navya
26	20J41A0269	PANASA VENKATA ADITHI	Venkata	Venkata	Venkata	Venkata	Venkata	Venkata	Venkata	Venkata	Venkata	Venkata	Venkata	Venkata
27	20J41A0270	PATIL VENKAT	Venkata	Venkata	Venkata	Venkata	Venkata	Venkata	Venkata	Venkata	Venkata	Venkata	Venkata	Venkata

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 Mahabubnagar, Mahabubnagar
 (Post Via Kolhapur) See Bad-500100.

28	20J41A0271	PAWAR SATHYANARAYANA	P. Sathya Narayana	P. Sathya Narayana	P. Sathya Narayana	P. Sathya Narayana	P. Sathya Narayana	P. Sathya Narayana	P. Sathya Narayana	P. Sathya Narayana	P. Sathya Narayana	P. Sathya Narayana	P. Sathya Narayana	P. Sathya Narayana
29	20J41A0272	PODDUTURI NIKHIL REDDY	P. Nikhil	P. Nikhil	P. Nikhil	P. Nikhil	P. Nikhil	P. Nikhil	P. Nikhil	P. Nikhil	P. Nikhil	P. Nikhil	P. Nikhil	P. Nikhil
30	20J41A0273	RAMAVATH SATHISH	R. Sathish	R. Sathish	R. Sathish	R. Sathish	R. Sathish	R. Sathish	R. Sathish	R. Sathish	R. Sathish	R. Sathish	R. Sathish	R. Sathish
31	20J41A0274	SIDDABATHULA DURGA HIMABINDU	Hima	Hima	Hima	Hima	Hima	Hima	Hima	Hima	Hima	Hima	Hima	Hima
32	20J41A0275	SUNAPU SURESH	Suresh	Suresh	Suresh	Suresh	Suresh	Suresh	Suresh	Suresh	Suresh	Suresh	Suresh	Suresh
33	20J41A0276	SUNKE ABHIGNA	Abhigna	Abhigna	Abhigna	Abhigna	Abhigna	Abhigna	Abhigna	Abhigna	Abhigna	Abhigna	Abhigna	Abhigna
34	20J41A0277	SURAM SAI KRISHNA	Sai	Sai	Sai	Sai	Sai	Sai	Sai	Sai	Sai	Sai	Sai	Sai
35	20J41A0278	SUROJIT DAS	Surojit	Surojit	Surojit	Surojit	Surojit	Surojit	Surojit	Surojit	Surojit	Surojit	Surojit	Surojit
36	20J41A0279	THADA SAKETH REDDY	Saketh	Saketh	Saketh	Saketh	Saketh	Saketh	Saketh	Saketh	Saketh	Saketh	Saketh	Saketh
37	20J41A0281	THUMATI KOWSHIK	Kowshik	Kowshik	Kowshik	Kowshik	Kowshik	Kowshik	Kowshik	Kowshik	Kowshik	Kowshik	Kowshik	Kowshik
38	20J41A0282	THUMMALA SAI CHETHAN	Chetan	Chetan	Chetan	Chetan	Chetan	Chetan	Chetan	Chetan	Chetan	Chetan	Chetan	Chetan
39	20J41A0284	DEMULA VINAY	Vinay	Vinay	Vinay	Vinay	Vinay	Vinay	Vinay	Vinay	Vinay	Vinay	Vinay	Vinay
40	20J41A0285	VUSHAGONI NIKHITHA	Nikhitha	Nikhitha	Nikhitha	Nikhitha	Nikhitha	Nikhitha	Nikhitha	Nikhitha	Nikhitha	Nikhitha	Nikhitha	Nikhitha
41	20J41A0286	YALAVARTHI MANVITHA SIRI PHANI	Manvitha	Manvitha	Manvitha	Manvitha	Manvitha	Manvitha	Manvitha	Manvitha	Manvitha	Manvitha	Manvitha	Manvitha
42	20J41A0287	DEMULA VAMSHI	Vamshi	Vamshi	Vamshi	Vamshi	Vamshi	Vamshi	Vamshi	Vamshi	Vamshi	Vamshi	Vamshi	Vamshi
43	20J41A0288	CHALLA DINESH KUMAR	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh
44	20J41A0289	MEKALA RAVI	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi
45	20J41A0290	BANOTH EASHANTHI PRUDVI	Eashanthi	Eashanthi	Eashanthi	Eashanthi	Eashanthi	Eashanthi	Eashanthi	Eashanthi	Eashanthi	Eashanthi	Eashanthi	Eashanthi
46	20J41A0291	ALLA JAYA SAI VISHNU DATTA	Vishnu	Vishnu	Vishnu	Vishnu	Vishnu	Vishnu	Vishnu	Vishnu	Vishnu	Vishnu	Vishnu	Vishnu
47	21J45A0224	KASIREDDYGOUTHAM	Goutham	Goutham	Goutham	Goutham	Goutham	Goutham	Goutham	Goutham	Goutham	Goutham	Goutham	Goutham
48	21J45A0225	KENAP UDAY KIRAN	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran
49	21J45A0226	KODADHALA RAKESH	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh
50	21J45A0227	KORRAPATI SAIKIRAN	Saikiran	Saikiran	Saikiran	Saikiran	Saikiran	Saikiran	Saikiran	Saikiran	Saikiran	Saikiran	Saikiran	Saikiran
51	21J45A0228	MASETTI BARDINADI	Bardinadi	Bardinadi	Bardinadi	Bardinadi	Bardinadi	Bardinadi	Bardinadi	Bardinadi	Bardinadi	Bardinadi	Bardinadi	Bardinadi
52	21J45A0229	MATAM HRUSHIKESH	Hrushikesh	Hrushikesh	Hrushikesh	Hrushikesh	Hrushikesh	Hrushikesh	Hrushikesh	Hrushikesh	Hrushikesh	Hrushikesh	Hrushikesh	Hrushikesh
53	21J45A0230	MATETI SUDHAKIRAN	Sudhakaran	Sudhakaran	Sudhakaran	Sudhakaran	Sudhakaran	Sudhakaran	Sudhakaran	Sudhakaran	Sudhakaran	Sudhakaran	Sudhakaran	Sudhakaran
54	21J45A0231	PITTALA SATHISH KUMAR	Sathish	Sathish	Sathish	Sathish	Sathish	Sathish	Sathish	Sathish	Sathish	Sathish	Sathish	Sathish
55	21J45A0232	RAPARTHI AKASHI	Akashi	Akashi	Akashi	Akashi	Akashi	Akashi	Akashi	Akashi	Akashi	Akashi	Akashi	Akashi
56	21J45A0233	REDDY MANIDEEPAK	Manideepak	Manideepak	Manideepak	Manideepak	Manideepak	Manideepak	Manideepak	Manideepak	Manideepak	Manideepak	Manideepak	Manideepak
57	21J45A0234	RONTALA SAI CHARAN	Sai Charan	Sai Charan	Sai Charan	Sai Charan	Sai Charan	Sai Charan	Sai Charan	Sai Charan	Sai Charan	Sai Charan	Sai Charan	Sai Charan

MALEKOTTA
(Post Via Kompally)

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Post Via Nalla Raddi, Sec-4, Co-95 100



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(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

Name of the Value Added Course: "APPLICATIONS OF AC CIRCUITS"

Date: 27.11.2021

Objective Questions

1. In an AC circuit a low value of KVAR compared with KW indicates []
 - A. Low efficiency
 - B. High power factor
 - C. Unity power factor
 - D. Maximum load current
2. A parallel AC circuit in resonance will []
 - A. Have a high voltage developed across each inductive and capacitive section
 - B. Have a high impedance
 - C. Act like a resistor of low value
 - D. Have current in each section equal to the line current
3. The frequency of an alternating current is []
 - A. The speed with which the alternator runs
 - B. The number of cycles generated in one minute
 - C. The number of waves passing through a point in one second
 - D. The number of electrons passing through a point in one second
4. A pure capacitor connected across an AC voltage consumed 50 W. This is due to []
 - A. The capacitive reactance in ohms
 - B. The current flowing in capacitor
 - C. The size of the capacitor being quite big
 - D. None of the above
5. The unit of frequency is []
 - A. Cycle
 - B. Cycle-second
 - C. Hertz/second
 - D. Hertz
6. When an alternating current passes through an ohmic resistance the electrical power converted into heat is []
 - A. Apparent power


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12. Which of the following does not change in an ordinary transformer? []
- A. F
 - B. V
 - C. I
 - D. Any of the Above
13. In a transformer the tapings are generally provided on []
- A. Primary side
 - B. Secondary side
 - C. Low voltage side
 - D. High voltage side
14. The value of flux involved in the e.m.f. equation of a transformer is []
- A. Average value
 - B. r.m.s. value
 - C. Maximum value
 - D. Instantaneous value
15. The dielectric strength of transformer oil is expected to be []
- A. 1 KV
 - B. 33 KV
 - C. 100 KV
 - D. 330 KV
16. Which of the following is not a part of transformer installation? []
- A. Conservator
 - B. Breather
 - C. Buchholz relay
 - D. Exciter
17. Which of the following protection is normally not provided on small distribution transformers? []
- A. Over-fluxing protection
 - B. Buchholz relay
 - C. Over-current protection

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B. True power

C. Reactive power

D. None of the above

7. In an AC circuit (sine wave) with R and L in series []

A. Voltage across R and L 180° out of phase

B. The voltage across R lags the voltage across L by 90°

C. The voltage across R leads the voltage across L by 90°

D. Voltage across R and L are in phase

8. In AC circuit the power curve is a sine wave having []

A. Double the frequency of voltage

B. Same frequency as that of voltage

C. Half the frequency of the voltage

D. Three times the frequency of the voltage

9. A parallel AC circuit in resonance will
[]

A. Have current in each section equal to the line current

B. Have a high-voltage developed across each inductive and capacitive section

C. Act like a resistor of low value

D. Have a high impedance

10. The square waveform of current has following relation between r.m.s. value and average value
[]

A. r.m.s. value is equal to average value

B. r.m.s. value of current is greater than average value

C. r.m.s. value of current is less than average value

D. None of the above

11. The transformer laminations are insulated from each other by []

A. Mica strip


B. Thin coat of varnish

C. Paper

D. Any of the above

- D. All of the above
18. Material used for construction of transformer core is usually []
- A. Wood
 - B. Copper
 - C. Aluminium
 - D. Silicon Steel
19. A transformer oil must be free from []
- A. Sludge
 - B. Odour
 - C. Gases
 - D. Moisture
20. Which of the following properties is not necessarily desirable for the material for transformer core? []
- A. Low hysteresis loss
 - B. High permeability
 - C. High thermal conductivity
 - D. Adequate mechanical strength
21. The basic requirements of a armature winding is that it must be []
- A. a closed one
 - B. a Lap winding
 - C. a wave winding
 - D. either B or C
22. A wave winding must go at least _____ around the armature before it closes back where it started []
- A. Once
 - B. Twice
 - C. Thrice
 - D. Four times
23. A DC armature winding in which coil sides are a pole pitch apart is called _____ winding []
- A. Multiplex

- B. Fractional pitched
 - C. Full Pitched
 - D. Pole pitch
24. For making coil span equal to a pole pitch in the armature winding of a generator, the back pitch of the winding must equal to the no. of []
- A. Commutator bars/pole
 - B. winding elements
 - C. armature conductors / path
 - D. armature parallel path
25. In a 4 pole, 35 slots DC armature, 180 degree (ele) coil span will be obtained when coils occupy _____ slots. []
- A. 72
 - B. 432
 - C. 216
 - D. 36
26. The sole purpose of a commutator in a small generator is to []
- A. Increase output voltage
 - B. Reduce sparking at brushes
 - C. provide smoother output
 - D. convert induced AC in to DC
27. The most likely causes of sparking at the brushes in a DC machine is []
- A. Open coil in the armature
 - B. defective inter poles
 - C. incorrct brush spring pressure
 - D. All the above
28. Point out the wrong statements. In generators, commutation can be improved by[]
- A. Using inter poles
 - B. Using carbon brushes in place of Cu brushes
 - C. Shifting brush axis in the direction of armature rotation
 - D. None


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29. If field resistance of a DC shunt generator is increased beyond its critical value, the generator []


- A. output voltage will exceed its rating
- B. will not build up
- C. may burn out if loaded to its rating
- D. power output may exceed its rating

30. A current is set to be alternating when it changes in []

31.

- A. Magnitude only
- B. Direction only
- C. Both magnitude and direction
- D. None of the above


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Department: EEE

Course : B.Tech

Date: 22/11/2021 to 27/11/2021

DEPARTMENT OF ELECTRICAL and ELECTRONICS ENGINEERING
Academic Year 2021-2022
Value Added Course on "APPLICATIONS OF AC CIRCUITS"
Students Completed the Course

EEE A

SLNo	Roll No	Name	Course Completion (Yes/NO)
1	20J41A0201	ALEY SHANMUKHA SAI BABA	Yes
2	20J41A0202	AMBATI SRIKANTH	Yes
3	20J41A0203	AZMEERA VAMSI VINAY	Yes
4	20J41A0204	B S ASHRITH SRIKAR	Yes
5	20J41A0205	BALAMARTHI NAGA RAJU	Yes
6	20J41A0206	BANOTH HARILAL	Yes
7	20J41A0207	BOLLU AKHIL VARDHAN	Yes
8	20J41A0208	BOLLU VINAY	Yes
9	20J41A0209	BOMMAKANTI BHAVANA	Yes
10	20J41A0210	CHATLAPALLI PAVAN GOUD	Yes
11	20J41A0211	DAGAM MAHESH	Yes
12	20J41A0212	DHARAVATH SANDHYA	Yes
13	20J41A0213	DHARAVATH SIMHADRI	Yes
14	20J41A0214	DUVVALA CHAITANYA	Yes
15	20J41A0215	EMBADI ANJALI	Yes
16	20J41A0216	GADDE SAI UMA CHOWDARY	Yes
17	20J41A0217	GADILOLA KEERTHI REDDY	Yes
18	20J41A0218	GAJAM LIKITH KUMAR	Yes
19	20J41A0219	GOLLA VINESH	Yes
20	20J41A0220	GUGULOTH ISWARYA	Yes
21	20J41A0221	JUPAKA REVANTH	Yes
22	20J41A0222	KOMMU GANA SAI VENKAT	Yes
23	20J41A0223	KONDRA RAJESH	Yes
24	20J41A0224	KONKALA AKSHAY REDDY	Yes
25	20J41A0225	KOSURU CHARAN TEJA	Yes
26	20J41A0226	MARRIPELLI SAI CHANDRA	Yes
27	20J41A0227	MALURKAR NITIN	Yes
28	20J41A0228	MAMILLAPALLI VAMSHI KRISHNA	Yes
29	20J41A0229	MANIKONDA SAI KIRAN	Yes
30	20J41A0230	MEDIDA SHIVUDU	Yes
31	20J41A0231	MOHAMMAD ANSAR ALI KHAN	Yes

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32	20J41A0232	MORAPU RACHANA	Yes
33	20J41A0233	MUNIMADUGULA SRAVAN KUMAR	Yes
34	20J41A0234	MUTHYALA ABHISHEK KUMAR	Yes
35	20J41A0235	NANDA SHALVA	Yes
36	20J41A0236	PANUGANTI VARUN	Yes
37	20J41A0237	PATLOLLA SRI HARI	Yes
38	20J41A0238	PENDA NITISH	Yes
39	20J41A0239	POLICE PRASHANTH KUMAR	Yes
40	20J41A0240	SATYAJIT DASH	Yes
41	20J41A0241	UTHKAM PAVAN GOUD	Yes
42	20J41A0242	VEERNAPU JOHN WESLY	Yes
43	20J41A0243	VEMPATI SIDDHARTHA	Yes
44	21J45A0201	ACHHA SHIVA SHANKAR	Yes
45	21J45A0202	AEMULA GANESH	Yes
46	21J45A0203	ALLAM SHRUTHISHA	Yes
47	21J45A0204	BANKURU SAI BHARGAV	Yes
48	21J45A0205	BANOTH SACHIN	Yes
49	21J45A0206	BARIGALA BHARATH	Yes
50	21J45A0207	BATHULA RAMU	Yes
51	21J45A0208	BIRADAR BASWARAJ	Yes
52	21J45A0209	BUDIME AJAY	Yes
53	21J45A0210	BURRA SANTHOSHINI	Yes
54	21J45A0211	CHABATHULA PRASANNA	Yes
55	21J45A0212	CHELLINGI KRISHNACHAITANYA	Yes
56	21J45A0213	CHILUKA MANICHANDHAN	Yes
57	21J45A0214	DARMADAS SAI VARDHAN	Yes
58	21J45A0215	DASARI PRANEETH	Yes
59	21J45A0216	DEVUNI RUCHITHA	Yes
60	21J45A0217	DONIKENI YASHWANTH GOUD	Yes
61	21J45A0218	GUGULOTH HARITHA	Yes
62	21J45A0219	GUJARATHI RAVI KIRAN	Yes
63	21J45A0220	GURIJELA MADIHU	Yes
64	21J45A0221	JAJOLLA BHANU TEJA SAGAR	Yes
65	21J45A0222	K NIKHIL TEJA	Yes
66	21J45A0223	KAMINDLA PRANAY	Yes

EEE B

Sl.No	Roll No	Name	Course Completion (Yes/NO)
1	20J41A0244	A VEERA BASAVAIAH	Yes
2	20J41A0245	AKULA MOHAN	Yes

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3	20J41A0246	ASHWITA RUDRARAF	Yes
4	20J41A0247	B SHIVANSH	Yes
5	20J41A0248	BHUKYA SUBHASH CHANDRA BOSE NAIK	Yes
6	20J41A0249	C PAVAN KUMAR	Yes
7	20J41A0250	CHINNAPONGU SRIMANIKANTA	Yes
8	20J41A0251	DASARI SANJAY	Yes
9	20J41A0252	DHARAVATH SREENIVAS	Yes
10	20J41A0253	G SRIKANTH	Yes
11	20J41A0254	GOPU SATHWIK	Yes
12	20J41A0255	GURRALA DEVA	Yes
13	20J41A0256	HARI PRASAD RAO TUNGUTURI DALAK	Yes
14	20J41A0257	KAKATI DILEEP	Yes
15	20J41A0258	KUNCHALA YASHWANTH	Yes
16	20J41A0259	LELLA GOPICHAND	Yes
17	20J41A0260	M VINAY	Yes
18	20J41A0261	MAILAPALLI CHINNARI MEGHANA	Yes
19	20J41A0262	MALAKAMMARI ARUN KUMAR	Yes
20	20J41A0263	NETHIKOPULA PAVAN SANDEEP	Yes
21	20J41A0264	MANCHURI MEGHANA	Yes
22	20J41A0265	MANKENA PAVANI	Yes
23	20J41A0266	MEDE SAI CHARAN	Yes
24	20J41A0267	PAKA SATHVIK	Yes
25	20J41A0268	PAGADALA NAVYA SREE	Yes
26	20J41A0269	PANASA VENKATA ADITHI	Yes
27	20J41A0270	PATIL VENKAT	Yes
28	20J41A0271	PAWAR SATHYANARAYANA	Yes
29	20J41A0272	PODDUTURI NIKHIL REDDY	Yes
30	20J41A0273	RAMAVATH SATHISH	Yes
31	20J41A0274	SIDDABATHULA DURGA HIMABINDU	Yes
32	20J41A0275	SUNAPU SURESH	Yes
33	20J41A0276	SUNKE ABHIGNA	Yes
34	20J41A0277	SURAM SAI KRISHNA	Yes
35	20J41A0278	SUROJIT DAS	Yes
36	20J41A0279	THADA SAKETH REDDY	Yes
37	20J41A0281	THUMATI KOWSHIK	Yes
38	20J41A0282	THUMMALA SAI CHETHAN	Yes
39	20J41A0284	VEMULA VINAY	Yes
40	20J41A0285	VUSHAGONI NIKHITHA	Yes


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41	20J41A0286	YALAVARTHI MANVITHA SIRI PHANI	Yes
42	20J41A0287	VEMULA VAMSHI	Yes
43	20J41A0288	CHALLA DINESH KUMAR	Yes
44	20J41A0289	MEKALA RAVI	Yes
45	20J41A0290	BANOTH EASHANTH PRUDVI	Yes
46	20J41A0291	ALLA JAYA SAI VISHNU DATTA	Yes
47	21J45A0224	KASIREDDYGOUTHAM	Yes
48	21J45A0225	KENAP UDAY KIRAN	Yes
49	21J45A0226	KODADHALA RAKESH	Yes
50	21J45A0227	KORRAPATI SAIKIRAN	Yes
51	21J45A0228	MASETTI BARDINADI	Yes
52	21J45A0229	MATAM HRUSHIKESH	Yes
53	21J45A0230	MATETI SUDHAKIRAN	Yes
54	21J45A0231	PITTALA SATHISH KUMAR	Yes
55	21J45A0232	RAPARTHI AKASH	Yes
56	21J45A0233	REDDY MANIDEPAK	Yes
57	21J45A0234	RONTALA SAI CHARAN REDDY	Yes
58	21J45A0235	SIRIKONDA ASHISH SAI	Yes
59	21J45A0236	SOMISETTY SHARATH KUMAR	Yes
60	21J45A0237	SUNTARAMONI CHANDRA SHEKAR	Yes
61	21J45A0238	THALLURI AKHIL SAI	Yes
62	21J45A0239	THANGELLA PRIYATHAM RAJU	Yes
63	21J45A0240	UPPULA AKHIL TEJ	Yes
64	21J45A0241	VATTE SHIRISHA	Yes
65	21J45A0242	VEMULA GANGADHAR RAO	Yes


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Certificate of Completion

This is to certify that Mrs./Ms./Mr. ALEY SHANMUKHA SAI BABA bearing Roll Number 20J41A0201 has successfully completed Value added Course in "Applications of AC Circuits" Organized by the Department of Electrical and Electronics Engineering from 22/11/2021 to 27/11/2021


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This is to certify that Mrs./Ms./Mr. BALAMARTHI NAGA RAJU bearing Roll Number 20J41A02205 has successfully completed Value added Course in "Applications of AC Circuits" Organized by the Department of Electrical and Electronics Engineering from 22/11/2021 to 27/11/2021


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This is to certify that Mrs./Ms./Mr. BANKURU SAI BHARGAV bearing Roll Number 21J41A0204 has successfully completed Value added Course in "Applications of AC Circuits" Organized by the Department of Electrical and Electronics Engineering from 22/11/2021 to 27/11/2021

G. J. Kumar
Coordinator

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Certificate of Completion

This is to certify that Mrs./Ms./Mr. B SHIVANSH bearing Roll Number 20J41A0247 has successfully completed Value added Course in "Applications of AC Circuits" Organized by the Department of Electrical and Electronics Engineering from 22/11/2021 to 27/11/2021


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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Date: 27.11.2021

Report of Value Added Course on

Application on AC Circuits

A thirty days Application on AC Circuits was organized by the department of Electrical and Electronics Engineering and the event was coordinated by Mr.G. Venu, Asst. Professor, EEE Department from 22 Nov 2021 to 27 Nov 2021 and 131 students are attended from II year. The resource person of the programme Mr. Hanumantha rao. The quality of life for the students are enhanced by introspect and learn techniques that imbibe ethics and morals to help the students for active and successful participation in a modern society, producing individuals of high character, probity and honor.

After the training programme, the students learned the following,

- To understand the parameters and its effect in alternating current system
- To comprehend the generation of poly phase voltages.
- To understand the effect of power factor in system

Ram
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Title of the Session: *Applications of AC Circuits*

Department: **EEE**

Date of the Session: *22/11/2021 - 27/11/2021*

S.No		Excellent	Very Good	Good	Average
1	The Session Objective were stated clearly and met		✓		
2.	The Workshop was well Organized		✓		
3.	The information and / or skills presented were relevant and useful for Career			✓	
4	The presenter responded to questions effectively?			✓	
5	The overall assessment of the Session			✓	
6	The session content met your Expectations			✓	

Excellent:4 Very Good:3 Good:2 Average:1

Suggestions If any:



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Title of the Session: *Applications of Ac Circuits*

Department: *EEE*

Date of the Session: *22/11/2024 - 27/11/2024*

S.No		Excellent	Very Good	Good	Average
1	The Session Objective were stated clearly and met		✓		
2.	The Workshop was well Organized			✓	
3.	The information and / or skills presented were relevant and useful for Career			✓	
4	The presenter responded to questions effectively?		✓		
5	The overall assessment of the Session		✓		
6	The session content met your Expectations		✓		

Excellent:4 Very Good:3 Good:2 Average:1

Suggestions If any:



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Title of the Session: *Applications of AC Circuits*

Department: *EEE*

Date of the Session: *22/11/2021 - 27/11/2021*

S.No		Excellent	Very Good	Good	Average
1	The Session Objective were stated clearly and met		✓		
2.	The Workshop was well Organized		✓		
3.	The information and / or skills presented were relevant and useful for Career			✓	
4	The presenter responded to questions effectively?		✓		
5	The overall assessment of the Session		✓		
6	The session content met your Expectations		✓		

Excellent:4 Very Good:3 Good:2 Average:1

Suggestions If any:

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