



DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E., New Delhi & Affiliated to JNTUK, Kakinada)

A NAAC Accredited Institute

An ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution

NH-5, Anakapalle – 531002, Visakhapatnam, A.P.

Mobile: +91 9963981111, Website: www.diet.edu.in, E-mail: info@diet.edu.in

CIRCULAR

Anakapalle

Dt: 7/1/2019

Department of Electrical & Electronics Engineering is hereby informed that, in view of the feedback received from III B.Tech. EEE students regarding skill enhancement and to improve the expertise of students to DESIGN OF POWER CONVERTERS USING SOFTWARE TOOLS, HOD is advised to depute a faculty from EEE to design the empirical formula for determining the system voltage and develop a suitable course structure in line with basic concepts of power utilization to

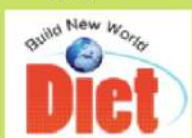
III B.Tech. EEE students with over 30 working hours. Please ensure that this Add-on course helps them to understand the power circuits. Make arrangements to deliver the course from next week onwards.

Principal

Dadi Institute of Engineering & Technology, Anakapalle

Dadi Institute of Engineering & Technology

Approved by AICTE & Permanently Affiliated to JNTUK



NAAC Accredited Institute

Visakhapatnam, Andhra Pradesh

A Five Day Training Program on

DESIGN OF POWER CONVERTERS USING

About the Institute

Dadi Institute of Engineering & Technology is a top ranked Engineering and Management College affiliated to Jawaharlal Nehru Technological University, Kakinada. The Institute is NAAC Accredited, ISO Certified and also associated with many professional bodies in the field of Engineering, Technology and Management. It strives to promote the highest standards among the students and enable them to build a New World. Dadi Institute of Engineering & Technology is distinctive among institutions of higher learning. Founded in 2006 by Sri Dadi Veerabhadra Rao, an academican and former Minister as the first multicultural and co- educational college in Anakapalle which admits only academically promising students.

SOFTWARE TOOLS

About the Course

Students will be able to learn the power utilization which includes a device that consumes energy constituting the current, such as a battery or a generator; devices that use current, such as lamps, electric motors, or computers. It is useful to learn and follow the rules to save the energy.

Course Instructor

Mr. T Ramesh Babu,
Asst. Prof., EEE Department

Benefitted Students
III & IV B.Tech. EEE

Date: 21/1/2019 to 25/1/2019

Venue: Lab-5 (II-Floor)

Department of Electrical & Electronics Engineering

DESIGN OF POWER CONVERTERS USING SOFTWARE TOOLS

Course Instructor:

Mr. T Ramesh Babu,

Asst. Prof., EEE

Dadi Institute of Engineering & Technology

Duration:

5 Days: 21/1/2019– 25/1/2019

Overview & Need for the Course:

Students will be able to learn the power circuits which includes a device that gives energy to the charged particles constituting the current, such as a battery or a generator; devices that use current, such as lamps, electric motors, or computers; and the connecting wires or transmission lines.

Course Objectives:

- To Design the empirical formula for determining the system voltage
- Supply system based on the conductor material required for overhead lines and underground cables
- Need to transmission lines and distribution lines
- Types of transmission line conductors

Course Outcomes:

- To Learn the fundamental of MATLAB & PSPICE Tools
- To generate various waveforms signals and sequences
- To verify and simulate various transmission lines and distribution lines
- To verify and simulate various theorems
- To determine system voltage.

Requirements

- ❖ Basics Knowledge of Electrical system
- ❖ Basics Knowledge of circuit Theory
- ❖ Basic computer knowledge.

Course Contents

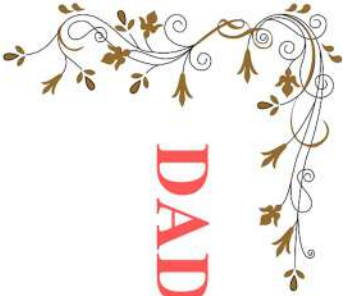
- Chap1. Generation of various signals and sequences, such as unit Impulse, Step, etc.
- Chap2. Operations on signals and sequences such as Addition Multiplication,
- Chap3. Verification of Kirchhoff's current law and Voltage law using simulation tools.
- Chap4. Determination of electrical parameters
1. Form factor,
 2. Peak factor
- Chap5. Transmission Lines
1. Need of Transmission and distribution lines
 2. Effects of supply frequency and voltage on transmission line

Student Attendance Sheet - Design of Power Converters Addon Course [2018-19]

S N	Roll No	Name of the Student	21/1/2019	22/1/2019	23/1/2019	24/1/2019	25/1/2019
1	15U41A0201	ADARI DURGAMAHESH	Mahesh	Mahesh	Mahesh	Mahesh	Mahesh
2	15U41A0202	ADARI LOKESH	Lokesh	Lokesh	Lokesh	Lokesh	Lokesh
3	15U41A0203	ALLA MURALI SATEESH	Sateesh	A	Sateesh	Sateesh	Sateesh
4	15U41A0204	AMALAKANTI VENKATA SAI RAM	Ram	Ram	Ram	Ram	Ram
5	15U41A0205	AMUJURI NANI	Nani	Nani	A	Nani	Nani
6	15U41A0207	D SAI KUMAR	Sai	Sai	Sai	Sai	Sai
7	15U41A0209	DASARI JEEVAN MADHU SAI REDDY	Likhit	Likhit	Likhit	Likhit	Likhit
8	15U41A0210	EERIGILA LIKHITA	A	Likita	Likita	Likita	Likita
9	15U41A0211	GORIVILLI DIVYA	Divya	Divya	Divya	Divya	A
10	15U41A0213	GURRALA SRINU	Srinu	Srinu	Srinu	Srinu	Srinu
11	15U41A0216	KONATHALA VAMSI GANESH	Ganesh	Ganesh	Ganesh	Ganesh	Ganesh
12	15U41A0217	KUNDAN KUMAR SINGH	Kumar	A	Kumar	Kumar	Kumar
13	15U41A0218	MARAPUREDDI PRASAD	Prasad	Prasad	Prasad	Prasad	Prasad
14	15U41A0219	MHATRE PANKAJ KRUSHNA	Pankaj	Pankaj	Pankaj	A	Pankaj
15	15U41A0220	NALLA MADHURI	Madhuri	Madhuri	Madhuri	Madhuri	Madhuri
16	15U41A0221	POLIREDDY NAVEEN	A	Naveen	Naveen	Naveen	Naveen
17	15U41A0222	PULI VIJAYA KUMAR REDDY	Kumar	Kumar	Kumar	Kumar	Kumar
18	15U41A0223	REDDI SANYASI NAIDU	R.Naidu	R.Naidu	R.Naidu	R.Naidu	R.Naidu
19	15U41A0224	RYALI SAI KUMAR	Sai	Sai	A	Sai	Sai
20	15U41A0225	ULLI VINAY	A	A	A	A	A
21	15U41A0226	VADDIPARTHI SAI KIRAN	Kiran	Kiran	Kiran	Kiran	Kiran
22	16U45A0201	ADARI JYOTHSNA	Jyots	Jyots	Jyots	Jyots	Jyots
23	16U45A0202	BARNIKALA ASHOK	Ashok	Ashok	Ashok	Ashok	Ashok
24	16U45A0203	CHITRADA DEVIPRASANNA	Devi	Devi	Devi	Devi	Devi
25	16U45A0204	DADI LAVANYA	Lavanya	Lavanya	Lavanya	Lavanya	Lavanya
26	16U45A0205	DESAMSETTI KASUBABU	Babu	Babu	Babu	Babu	Babu
27	16U45A0206	DEVARA RENUKA	Renuka	Renuka	Renuka	Renuka	Renuka
28	16U45A0207	JOGADA SATYA PRAKASH	Satya	A	Satya	Satya	Satya
29	16U45A0208	ALLABOINA GIRISH	Girish	Girish	Girish	Girish	Girish
30	16U45A0209	AVVARI EASH SAI KUMAR	Sai	Sai	Sai	Sai	Sai
31	16U45A0210	KATTA DINESH KUMAR	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh
32	16U45A0211	KUDAVALLI HARSHITA	A	Harshi	Harshi	Harshi	Harshi
33	16U45A0212	KUNDRAPU PRADEEP	Pradeep	Pradeep	Pradeep	Pradeep	Pradeep
34	16U45A0213	M ASHOK BABU	Babu	Babu	A	Babu	Babu
35	16U45A0214	DADI KISHORE	Kishore	Kishore	Kishore	Kishore	Kishore
36	16U45A0215	NANDAVARAPU GANESH	Ganesh	Ganesh	Ganesh	Ganesh	Ganesh
37	16U45A0216	P DEVENDRA	P.D	P.D	P.D	P.D	P.D
38	16U45A0217	DHARMALA SANTHOSH KUMAR REDDY	Kumar Reddy	Kumar Reddy	Kumar Reddy	Kumar Reddy	Kumar Reddy
39	16U45A0218	SAMMINGA MANI SANKAR	S.Mani	S.Mani	S.Mani	S.Mani	S.Mani
40	16U45A0220	GANJI VIJAYKUMAR	G.V	G.V	A	G.V	G.V
41	16U45A0221	JOKADA SHANKAR RAO	S.Rao	S.Rao	S.Rao	S.Rao	S.Rao
42	16U45A0222	MALLA MANIKANTA	M.Mani	M.Mani	M.Mani	M.Mani	M.Mani
43	16U45A0223	MALLA TEJASREE	Tejasree	Tejasree	Tejasree	Tejasree	Tejasree
44	16U45A0224	MOSURI RAVI KISHORE	Kishore	A	Kishore	Kishore	Kishore
45	16U45A0225	MOTHURTHI SAIBHANU	Sai Bhanu	Sai Bhanu	Sai Bhanu	Sai Bhanu	Sai Bhanu

46	16U45A0226	MUMMANA HEMALATHA	M.H	M.H	M.H	A	M.H
47	16U45A0227	NALLI RAJ KUMAR	Kumar	A	Kumar	Kumar	Kumar
48	16U45A0228	PENUMATSA MAHINDRA VARMA	Varma	Varma	Varma	Varma	Varma
49	16U45A0229	POLAMARASETTY VIJAY SAIKUMAR	A	Vijay	A	Vijay	Vijay
50	16U45A0230	PORAPU CHAITANYA	Chaitany	Chaitany	Chaitany	Chaitany	A
51	16U45A0231	SAMMINGI DEVI	S.Devi	S.Devi	S.Devi	S.Devi	S.Devi
52	16U45A0232	SOMIREDDI KALYAN	Devi	Devi	Devi	Devi	Devi
53	16U45A0233	TRASULA SOWJANYA RANI	T.Rai	A	T.Rai	T.Rai	T.Rai
54	16U45A0234	VOONNA VINETHRI	Vinethri	Vinethri	Vinethri	Vinethri	Vinethri
55	16U45A0235	MULAKALAPALLI NOOKESWARA RAO	MN Rao	MN Rao	A	MN Rao	MN Rao
56	16U45A0236	MARISETTI ASHOK	M.A	M.A	M.A	M.A	M.A
57	16U45A0237	KALAGA NAGA GANESH	Ganesh	Ganesh	A	Ganesh	Ganesh
58	16U45A0238	SHEIK VALLI BABU	S.Valli	S.Valli	S.Valli	S.Valli	S.Valli
59	16U45A0239	KUNDRAPU DAYESHWAR RAO	Babu	Babu	Babu	Babu	Babu
60	16U45A0240	SHAIK FARIDHA	S.Faridha	A	S.Faridha	S.Faridha	S.Faridha
61	16U45A0241	AKULA NAVEEN	Naveen	Naveen	Naveen	Naveen	Naveen
62	16U45A0242	ALLA PRAVALLIKA	Pravallika	Pravallika	Pravallika	Pravallika	Pravallika
63	16U45A0243	BANGARU NANI BABU	B.Nani	B.Nani	B.Nani	B.Nani	B.Nani
64	16U45A0244	BOMMALI BHAVANI PRASAD	Prasad	Prasad	Prasad	A	Prasad
65	16U45A0245	CHOPPA SATYA TEJA	Teja	Teja	Teja	Teja	Teja
66	16U45A0246	KAMIREDDY KASIAPPALARAJU	K.Kar	K.Kar	K.Kar	K.Kar	K.Kar
67	16U45A0247	KANITI GOVINDA RAO	G.Rao	A	G.Rao	G.Rao	G.Rao
68	16U45A0248	KOLICHINA NEELIMA	K.Neelima	K.Neelima	K.Neelima	K.Neelima	K.Neelima
69	16U45A0249	LAGUDU NARESH	Nareesh	Nareesh	Nareesh	Nareesh	Nareesh
70	16U45A0250	LAKKARAJU SIMHACHALAM NAIDU	LS Naidu	LS Naidu	LS Naidu	LS Naidu	LS Naidu
71	16U45A0251	LAKKOJU YASWANTH	I.Yaswanth	I.Yaswanth	I.Yaswanth	I.Yaswanth	I.Yaswanth
72	16U45A0252	MUTYALA SARATH KUMAR	Sarath	Sarath	Sarath	Sarath	Sarath
73	16U45A0253	NAMBARU NEELA VENKATA SATYA VARA PRASAD	N.Sath	N.Sath	N.Sath	N.Sath	N.Sath
74	16U45A0254	PILLA RAMESH	Ramesh	Ramesh	Ramesh	Ramesh	Ramesh
75	16U45A0255	POLISETTI RAMCHARAN	P.Rai	A	P.Rai	P.Rai	P.Rai
76	16U45A0256	RACHABATTUNI JEEVAN VENKATA SAI	RJV Sai	RJV Sai	RJV Sai	RJV Sai	RJV Sai
77	16U45A0257	SALAPU SAI KUMAR	Kumar	Kumar	Kumar	Kumar	Kumar
78	16U45A0258	SATHIVADA VENKATA SATISH	S.Sai	S.Sai	S.Sai	S.Sai	S.Sai
79	16U45A0259	SILAPARASETTY SAI KUMAR	S.Sai	S.Sai	S.Sai	S.Sai	S.Sai
80	16U45A0260	T SANTOSH KUMAR	T.Santosh	T.Santosh	T.Santosh	T.Santosh	T.Santosh
81	16U45A0261	TANAKALA HIRANYA SAI KUMAR	Kumar	A	Kumar	Kumar	Kumar
82	16U45A0262	YANNAMSETTI GOVIND	Y.govi	Y.govi	Y.govi	Y.govi	Y.govi
83	16U45A0263	DABBURU HARSHAVARDHAN KUMAR	Kumar	Kumar	A	Kumar	Kumar
84	16U45A0264	GUTHURTHI RAJASEKHAR	Sekhar	Sekhar	Sekhar	Sekhar	Sekhar
85	16U45A0265	MOSA SAGAR	Sagar	Sagar	Sagar	Sagar	A
86	16U45A0266	MATTA RAJASEKHAR	A	Raj	Raj	Raj	Raj
87	16U45A0267	YELAMANCHILI NAVEEN	Naveen	Naveen	Naveen	Naveen	Naveen
88	16U45A0268	REDDY MOHAN	Mohan	Mohan	Mohan	A	Mohan
89	16U45A0269	OBBALAREDDI APPALA NAIDU	Naidu	Naidu	Naidu	Naidu	Naidu
90	16U45A0270	SRIKAKULAPU GANGADHAR	Ganga	A	Ganga	Ganga	Ganga
91	16U45A0271	AGGALA HARIKRISHNA	Hari	Hari	Hari	Hari	A
92	16U45A0272	MUVVALA BHASKARA RAO	Bhat	Bhat	Bhat	Bhat	Bhat
93	16U45A0273	KORUKONDA VENKATESH	Venky	Venky	Venky	Venky	Venky





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COURSE COMPLETION CERTIFICATE

This Certificate is given to

BODDEDA SIVA SAI



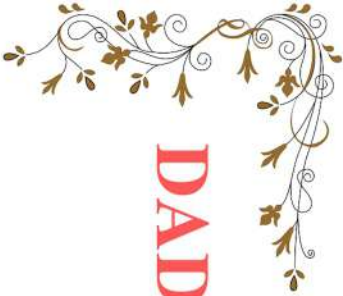
For the successful completion of 5-days course on Design of power converter
using software tools from Date: 21/1/2019 to 25/1/2019.

Mr. T. Ramesh Babu
Course Instructor

Dr. Ch. Naga Prasad
Principal

Sri Dadi Ratnakar
Chairman





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GANNUNARRESH

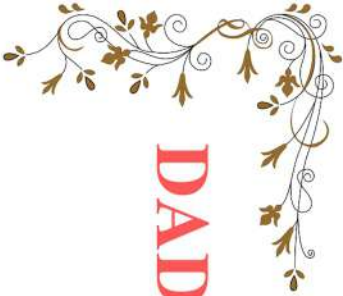
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Mr. T. Ramesh Babu
Course Instructor

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Principal

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COURSE COMPLETION CERTIFICATE

This Certificate is given to

MAJJI ROOPA



For the successful completion of 5-days course on Design of power converter
using software tools from Date: 21/1/2019 to 25/1/2019.

Mr. T. Ramesh Babu
Course Instructor

Dr. Ch. Naga Prasad
Principal

Sri Dadi Ratnakar
Chairman





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COURSE COMPLETION CERTIFICATE

This Certificate is given to

KOTTAPALLI LALITHA



For the successful completion of 5-days course on Design of power converter
using software tools from Date: 21/1/2019 to 25/1/2019.

Mr. T. Ramesh Babu
Course Instructor

Dr. Ch. Naga Prasad
Principal

Sri Dadi Ratnakar
Chairman





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Mobile: +91 9963981111, Website: www.diet.edu.in, E-mail: info@diet.edu.in

COURSE COMPLETION CERTIFICATE

This Certificate is given to

PITTA KISHORE



For the successful completion of 5-days course on Design of power converter
using software tools from Date: 21/1/2019 to 25/1/2019.



Mr. T. Ramesh Babu
Course Instructor



Dr. Ch. Naga Prasad
Principal



Sri Dadi Ratnakar
Chairman





DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY

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NAAC Accredited Institute

STUDENT FEEDBACK FORM

Dear Candidate,

Your feedback is critical for the Institute to ensure that we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so that we can serve you better.

Title of the Activity: Design of power converter using software tools

Date/Duration: 21/1/2019 to 25/1/2019 Instructor/Coordinator: Mr. T. Ramesh Babu

- | | | | | | |
|---|---|---|-----|-----|-----|
| 1. The content was as described in Publicity Material | 1 | 2 | 3 | 4 | (5) |
| 2. The program was helpful in practical understanding | 1 | 2 | (3) | 4 | 5 |
| 3. I will recommend this course workshop program to relevant conservators across our campus | 1 | 2 | 3 | (4) | 5 |
| 4. The program was well placed within allotted time | 1 | 2 | 3 | (4) | 5 |
| 5. The instructor was an effective communicator | 1 | 2 | 3 | 4 | (5) |

Feedback/Suggestions

Interaction
Real time
Need more time
Good
Excellent.

Please return this form to the Course Instructor/Organizer/Coordinator at the end of the workshop/add-on course/Training Program



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STUDENT FEEDBACK FORM

Dear Candidate,

Your feedback is critical for the Institute to ensure that we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so that we can serve you better.

Title of the Activity: Design of power Converter using software tools

Date/Duration: 21/1/18 - 25/1/19 Instructor/Coordinator: Mr. T. Ramesh Babu

- | | | | | | |
|---|---|---|-----|-----|-----|
| 1. The content was as described in Publicity Material | 1 | 2 | 3 | 4 | (5) |
| 2. The program was helpful in practical understanding | 1 | 2 | 3 | (4) | 5 |
| 3. I will recommend this course workshop program to relevant conservators across our campus | 1 | 2 | (3) | 4 | 5 |
| 4. The program was well placed within allotted time | 1 | 2 | 3 | (4) | 5 |
| 5. The instructor was an effective communicator | 1 | 2 | 3 | 4 | (5) |

Feedback/Suggestions

-> good
-> Interesting session

Please return this form to the Course Instructor/Organizer/Coordinator at the end of the workshop/add-on course/Training Program