



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:- 8-1-2018

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 SOFTWARE TOOLS

About the Institute

About the Course

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 academician and former Minister as the first multicultural and co- educational college in Anakapalle which admits only academically promising students.

Course Instructor
Mr. K Vijay Kumar,
Assoc. Prof., EEE

Benefitted Students
III & IV B.Tech. EEE

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.

Date: 23/1/2018– 27/1/2018
Venue: Lab-5 (II-Floor)

Department of Electrical & Electronics Engineering

DESIGN OF POWER CONVERTERS USING SOFTWARE TOOLS

Course Instructor:

Mr. K Vijay Kumar,

Assoc. Prof., EEE

Dadi Institute of Engineering & Technology

Duration:

5 Days: 23/1/2018 to 27/1/2018

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 waveform signals and sequences
- To verify and simulate various transmission lines and distribution lines
- To verify and simulate various theorems
- To determine system voltage.

Requirements

- ❖ Basic Knowledge of Electrical system
- ❖ Basic 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

S N	Roll No	Name of the Student	23/1/2018	24/1/2018	25/1/2018	26/1/2018	27/1/2018
1	14U41A0201	A Sri hari	A. Sri. hari	A. Sri. hari	A. Sri. hari	A. Sri. hari	A. Sri. hari
2	14U41A0202	D Pradeep Reddy	D.P. Reddy	D.P. Reddy	D.P. Reddy	D.P. Reddy	D.P. Reddy
3	14U41A0203	E Ravi Teja	Ravi Teja	Ravi Teja	Ravi Teja	Ravi Teja	Ravi Teja
4	14U41A0204	G Rama Krishna	G. Rama	G. Rama	G. Rama	G. Rama	G. Rama
5	14U41A0205	G Manoj Kumar	G. Manoj	G. Manoj	G. Manoj	AB	G. Manoj
6	14U41A0206	K V S B Akhil	akhil	akhil	akhil	akhil	akhil
7	14U41A0207	M Vinod Kumar	m. kumar	m. kumar	m. kumar	m. kumar	m. kumar
8	14U41A0208	M Gandhiji	M. Gandhiji	M. Gandhiji	M. Gandhiji	M. Gandhiji	M. Gandhiji
9	14U41A0209	M Indravathi	M. Indira	M. Indira	AB	M. Indira	M. Indira
10	14U41A0211	P Likhitha	p. likhitha	p. likhitha	p. likhitha	p. likhitha	p. likhitha
11	14U41A0212	S Dhati Divya Sri	S. Sri.	S. Sri.	S. Sri.	S. Sri.	S. Sri.
12	14U41A0213	S Nishant	S. Nishant	S. Nishant	S. Nishant	S. Nishant	S. Nishant
13	14U41A0214	S Venkat satish	S. sathish	S. sathish	S. sathish	S. sathish	S. sathish
14	14U41A0215	S Uday Kumar	S. Uday	S. Uday	S. Uday	S. Uday	S. Uday
15	14U41A0216	S Sai Rohit	s. sai	s. sai	s. sai	s. sai	s. sai
16	14U41A0217	S Sai Raghu	S. Raghu	S. Raghu	AB	S. Raghu	S. Raghu
17	14U41A0218	U Lakshman	U. lakshman	U. lakshman	U. lakshman	U. lakshman	U. lakshman
18	15U45A0201	A Trinadh	A. Trinadh	A. Trinadh	A. Trinadh	A. Trinadh	A. Trinadh
19	15U45A0202	A Hanumanth	A. Hanuma	A. Hanuma	A. Hanuma	A. Hanuma	A. Hanuma
20	15U45A0203	A Jitendra Prasad	A. P. Prasad	A. P. Prasad	A. P. Prasad	A. P. Prasad	A. P. Prasad
21	15U45A0204	A Narendra	A. Narendra	A. Narendra	A. Narendra	A. Narendra	A. Narendra
22	15U45A0205	A Naganna	A. Naganna	A. Naganna	A. Naganna	A. Naganna	A. Naganna
23	15U45A0206	B Murali	B. murali	B. murali	B. murali	B. murali	B. murali
24	15U45A0207	B Bhargav	B. bhargav	B. bhargav	B. bhargav	B. bhargav	B. bhargav
25	15U45A0208	B Jaswanth Kumar	AB	B. J. Kumar	B. J. Kumar	B. J. Kumar	B. J. Kumar
26	15U45A0209	C vamsi krishna	C. Vamsi	C. Vamsi	C. Vamsi	C. Vamsi	C. Vamsi
27	15U45A0210	CVS Anirudh	C. Anirudh	C. Anirudh	C. Anirudh	C. Anirudh	C. Anirudh
28	15U45A0211	DLV Sai Kiran	DLV Sai	DLV Sai	DLV Sai	DLV Sai	DLV Sai
29	15U45A0212	D Manikanta	D. manikanta	D. manikanta	D. manikanta	D. manikanta	D. manikanta
30	15U45A0213	E R Krishna	E. Krishna	E. Krishna	E. Krishna	E. Krishna	E. Krishna
31	15U45A0214	G Ooha	G. ooha	G. ooha	G. ooha	G. ooha	G. ooha
32	15U45A0215	Harikrishna K	Harikrishna	Harikrishna	Harikrishna	Harikrishna	Harikrishna

33	15U45A0216	J Ch V Kamaraju	J. Kamaraju	J. Kamaraju	J. Kamaraju	J. Kamaraju	J. Kamaraju
34	15U45A0217	K Aneesha	K.Aneesha	K.Aneesha	K.Aneesha	AB	K.Aneesha
35	15U45A0218	K S Raj Kumar	K.S.Raj	K.S.Raj	K.S.Raj	K.S.Raj	K.S.Raj
36	15U45A0219	K Raj Kumar	K.Kumar	K.Kumar	K.Kumar	K.Kumar	K.Kumar
37	15U45A0220	L Jai Ram	L.Jairam	L.Jairam	L.Jairam	L.Jairam	L.Jairam
38	15U45A0221	M kiran Kumar Reddy	M.Kiran	M.Kiran	M.Kiran	M.Kiran	M.Kiran
39	15U45A0222	M M Satyanarayana	M.Satyana	M.Satyana	M.Satyana	M.Satyana	M.Satyana
40	15U45A0223	M Sowjanya	M.Sowjanya	M.Sowjanya	AB	M.Sowjanya	M.Sowjanya
41	15U45A0224	M Tarun	m.Tarun	m.Tarun	m.Tarun	m.Tarun	m.Tarun
42	15U45A0225	M Venkatesh	M.Venkatesh	M.Venkatesh	M.Venkatesh	M.Venkatesh	M.Venkatesh
43	15U45A0226	N surya Kumar Yadav	N.Surya	N.Surya	N.Surya	N.Surya	N.Surya
44	15U45A0227	N Lakshman rao	N.L.Rao	N.L.Rao	N.L.Rao	N.L.Rao	N.L.Rao
45	15U45A0228	P Prameela devi	P.Devi	P.Devi	P.Devi	P.Devi	P.Devi
46	15U45A0229	P K Vinay Kumar	P.Kumar	P.Kumar	P.Kumar	P.Kumar	P.Kumar
47	15U45A0230	P Tulasi rao	P.Tulasi	P.Tulasi	P.Tulasi	P.Tulasi	P.Tulasi
48	15U45A0231	Shaikh Ansar	S.Ansar	S.Ansar	AB	S.Ansar	S.Ansar
49	15U45A0232	S Anusha	S.Anusha	S.Anusha	S.Anusha	S.Anusha	S.Anusha
50	15U45A0233	T Sai Ram	T.Sai Ram	T.Sai Ram	T.Sai Ram	T.Sai Ram	T.Sai Ram
51	15U45A0234	U Nanji	U.Nanji	U.Nanji	U.Nanji	U.Nanji	U.Nanji
52	15U45A0235	U Madhavi	U.Madhavi	U.Madhavi	U.Madhavi	U.Madhavi	U.Madhavi
53	15U45A0236	V S S V Ramadevi	V.Ramadevi	V.Ramadevi	V.Ramadevi	V.Ramadevi	V.Ramadevi
54	15U45A0237	V Naga Bhaskar	V.Bhaskar	AB	V.Bhaskar	V.Bhaskar	V.Bhaskar
55	15U45A0238	V Krishna	V.Krishna	V.Krishna	V.Krishna	V.Krishna	V.Krishna
56	15U45A0239	A Balaji	A.Balaji	A.Balaji	A.Balaji	A.Balaji	A.Balaji
57	15U45A0240	D J Brahmaya	D.Brahmayya	D.Brahmayya	D.Brahmayya	D.Brahmayya	D.Brahmayya
58	15U45A0241	I Nageswar Rao	I.Nagesh	I.Nagesh	I.Nagesh	I.Nagesh	I.Nagesh
59	15U45A0242	K Santosh Kumar	K.Kumar	K.Kumar	K.Kumar	K.Kumar	K.Kumar
60	15U45A0243	M Ravi	M.Ravi	M.Ravi	M.Ravi	M.Ravi	M.Ravi
61	15U45A0244	M Veena	M.Veena	M.Veena	M.Veena	M.Veena	M.Veena
62	15U45A0246	R Surya Narayana	R.Surya	M.Surya	M.Surya	AB	M.Surya
63	15U45A0248	M Srinu	M.Srinu	M.Srinu	M.Srinu	M.Srinu	M.Srinu
64	15U45A0249	G Naga Raju	G.Raju	G.Raju	G.Raju	G.Raju	G.Raju
65	15U45A0250	S Satya Sai	S.Sai	S.Sai	S.Sai	S.Sai	S.Sai
66	15U45A0251	A Hari Babu	A.Haribabu	A.Haribabu	A.Haribabu	A.Haribabu	A.Haribabu
67	15U45A0252	M Nanaji	M.Nanaji	M.Nanaji	M.Nanaji	M.Nanaji	M.Nanaji





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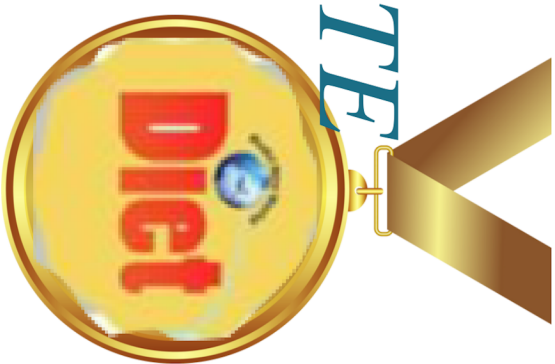
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Mobile: +91 9963981111, Website: www.diet.edu.in, E-mail: info@diet.edu.in

COURSE COMPLETION CERTIFICATE

This Certificate is given to

ADARI LOKESH



For the successful completion of 5-Days course on Design of power converters
using software tools from 23/01/2018 – 27/01/2018

Mr. K. Vijay Kumar
Course Instructor

Dr. M. Venugopala Rao
Principal

Sri Dadi Ratnakar
Chairman





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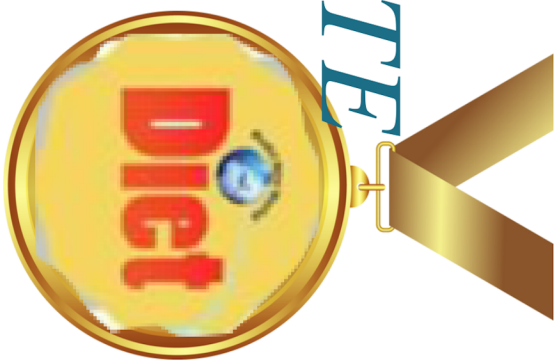
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AMUJURI NANI



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Course Instructor

Dr. M. Venugopala Rao
Principal

Sri Dadi Ratnakar
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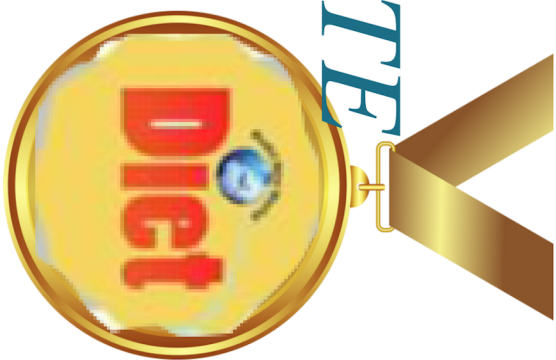
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COURSE COMPLETION CERTIFICATE

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GORIVILLI DIVYA



For the successful completion of 5-Days course on Design of power converters
using software tools from 23/01/2018 – 27/01/2018

Mr. K. Vijay Kumar
Course Instructor

Dr. M. Venugopala Rao
Principal

Sri Dadi Ratnakar
Chairman





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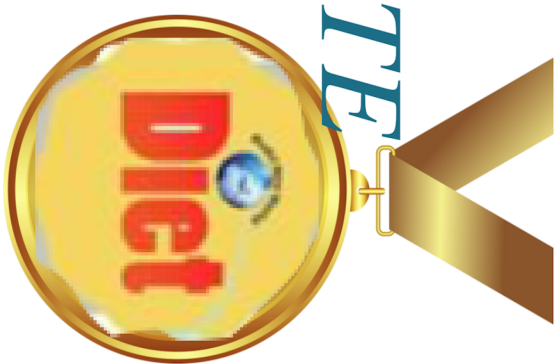
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GURRALA SRINU



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Mr. K. Vijay Kumar
Course Instructor

Dr. M. Venugopala Rao
Principal

Sri Dadi Ratnakar
Chairman





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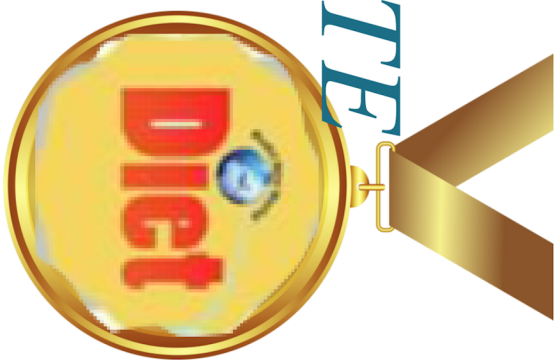
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Mobile: +91 9963981111, Website: www.diet.edu.in, E-mail: info@diet.edu.in

COURSE COMPLETION CERTIFICATE

This Certificate is given to

NAILLA MADHURI



For the successful completion of 5-Days course on Design of power converters
using software tools from 23/01/2018 – 27/01/2018

Mr. K. Vijay Kumar
Course Instructor

Dr. M. Venugopala Rao
Principal

Sri Dadi Ratnakar
Chairman





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 Converters using Software tool.

Date/Duration: 5/23-01-18-27/01/18 Instructor/Coordinator: K. Vijay Kumar

Feedback/Suggestions

- 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

Good Explanation.

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



STUDENT FEEDBACK FORM

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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

Need more duration

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