



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: 10-1-2020

Department of Electrical & Electronics Engineering is hereby informed that, in view of the feedback received from III & IV 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 & IV 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.

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

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

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.

Benefitted Students

III & IV B.Tech. EEE

Date: 21/1/2020 to 25/1/2020

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: 21/1/2020– 25/1/2020

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

- ❖ 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 [2019-20]

S.N	Roll No	Name of the Student	21/01/2020	22/01/2020	23/01/2020	24/01/2020	25/01/2020
1	16U41A0201	DUVVADA SAGAR KUMAR	D.Sagar	D.Sagar	D.Sagar	D.Sagar	D.Sagar
2	16U41A0202	KARRI ASHWIN KUMAR	K.A.Kumar	K.A.Kumar	K.A.Kumar	K.A.Kumar	K.A.Kumar
3	16U41A0203	KARRI SIVA	K.Siva	K.Siva	K.Siva	K.Siva	K.Siva
4	16U41A0204	SINGAMPALLI JANARDHAN	S.Janardhan	S.Janardhan	S.Janardhan	S.Janardhan	S.Janardhan
5	16U41A0205	POLA NAGABHUSHANAM	P.Nagabhushan	P.Nagabhushan	P.Nagabhushan	P.Nagabhushan	P.Nagabhushan
6	16U41A0206	VEGI MOUNIKA	V.Mounika	V.Mounika	V.Mounika	V.Mounika	V.Mounika
7	16U41A0207	PULAPAKURA CHANDRA MOULI	P.Mouli	P.Mouli	P.Mouli	P.Mouli	P.Mouli
8	16U41A0208	RUDRARAJU DINESH VARMA	R.Varma	R.Varma	AB	R.Varma	R.Varma
9	16U41A0209	SAGORI SURENDRA BABU	S.S.Babu	S.S.Babu	S.S.Babu	S.S.Babu	S.S.Babu
10	16U41A0210	SALADI CHARAN	S.Charan	S.Charan	S.Charan	S.Charan	S.Charan
11	17U45A0201	ACHANTA SAI	A.Sai	A.Sai	A.Sai	A.Sai	A.Sai
12	17U45A0202	ADARI VENKATA AJAY	A.Ajay	A.Ajay	A.Ajay	A.Ajay	A.Ajay
13	17U45A0203	BHESETTY PAVANKUMAR	B.Kumar	B.Kumar	B.Kumar	B.Kumar	B.Kumar
14	17U45A0204	BODDEDA LOKESH	B.Lokesh	B.Lokesh	B.Lokesh	B.Lokesh	B.Lokesh
15	17U45A0205	BODDEDA SIVA.SAI	B.Siva	B.Siva	B.Siva	B.Siva	B.Siva
16	17U45A0206	CHANDHAKA SAI KUMAR	C.Sai	C.Sai	C.Sai	C.Sai	C.Sai
17	17U45A0207	DADI ATCHUTHA	D.Atchutha	D.Atchutha	D.Atchutha	D.Atchutha	D.Atchutha
18	17U45A0208	DALLI MANIKANTA DURGA DEVENDRA PRASAD	D.Durga	D.Durga	D.Durga	D.Durga	D.Durga
19	17U45A0209	GANGIREDLA MANIKANTA	G.Manikanta	G.Manikanta	G.Manikanta	G.Manikanta	G.Manikanta
20	17U45A0210	GANNU NARESH	G.Narash	G.Narash	G.Narash	G.Narash	G.Narash
21	17U45A0211	GANUGULA SIVA	G.Siva	G.Siva	G.Siva	G.Siva	G.Siva
22	17U45A0212	GAVARA REVATHI	G.Revathi	G.Revathi	G.Revathi	G.Revathi	G.Revathi
23	17U45A0213	GOLLAVILLI SWATHI	G.Swathi	AB	G.Swathi	G.Swathi	G.Swathi
24	17U45A0214	JERRIPOTHULU GIRIKUMAR	J.Kumar	J.Kumar	J.Kumar	J.Kumar	J.Kumar
25	17U45A0215	KANDELLI SOWJANYA	K.Sowjanya	K.Sowjanya	K.Sowjanya	K.Sowjanya	K.Sowjanya
26	17U45A0216	KANDIPILLI LAVANYA	K.Lavanya	K.Lavanya	K.Lavanya	K.Lavanya	K.Lavanya
27	17U45A0217	KANDREGULA HARI RAMA KRISHNA	K.Ramakrishna	K.Ramakrishna	K.Ramakrishna	K.Ramakrishna	K.Ramakrishna
28	17U45A0218	KOILADA KAVYA	K.Kavya	K.Kavya	K.Kavya	K.Kavya	K.Kavya
29	17U45A0219	KOILADA PRASAD	K.Prasad	K.Prasad	K.Prasad	K.Prasad	K.Prasad
30	17U45A0220	KOLLU GANGARAM	K.Gangaram	K.Gangaram	K.Gangaram	K.Gangaram	K.Gangaram
31	17U45A0221	KOPPOJU SAI KUMAR	K.Sai	K.Sai	K.Sai	K.Sai	K.Sai
32	17U45A0222	KOTHAKOTA KIRAN	K.Kiran	K.Kiran	K.Kiran	K.Kiran	K.Kiran
33	17U45A0223	KOTTAPALLI LAITHA	K.Laila	K.Laila	K.Laila	K.Laila	K.Laila
34	17U45A0224	KUNDALA DURGARA0	K.Durgara0	K.Durgara0	K.Durgara0	K.Durgara0	K.Durgara0
35	17U45A0225	MAJI ROOPA	M.Roopa	M.Roopa	M.Roopa	M.Roopa	M.Roopa
36	17U45A0226	MALLA JOSHI	M.Joshi	M.Joshi	M.Joshi	M.Joshi	M.Joshi
37	17U45A0227	MALLA VARAPRASAD	M.Varaprasad	M.Varaprasad	M.Varaprasad	M.Varaprasad	M.Varaprasad
38	17U45A0228	MATHURTHI SIVAJEE	M.Sivajee	M.Sivajee	AB	M.Sivajee	M.Sivajee
39	17U45A0229	MINDI MAHESH	M.Mahesh	M.Mahesh	M.Mahesh	M.Mahesh	M.Mahesh
40	17U45A0230	MOPADA NANAJI	M.Nanaji	M.Nanaji	M.Nanaji	M.Nanaji	M.Nanaji
41	17U45A0231	NANDARAPU ANANTH KUMAR	N.Kumar	N.Kumar	N.Kumar	N.Kumar	N.Kumar
42	17U45A0232	OMMI MANESWARA RAO	O.Rao	O.Rao	O.Rao	O.Rao	O.Rao
43	17U45A0233	PAKKURTI VINAY	V.Vinay	V.Vinay	V.Vinay	V.Vinay	V.Vinay
44	17U45A0234	PAMPANA PRAVALLIKA	P.Pravallika	P.Pravallika	P.Pravallika	P.Pravallika	P.Pravallika
45	17U45A0235	PEDIREDLA VENKATA TARAKA SWAROOP	P.Swaroop	P.Swaroop	P.Swaroop	P.Swaroop	P.Swaroop
46	17U45A0236	PENTABOINA SUDHARSHAN	P.Sudharshan	P.Sudharshan	P.Sudharshan	P.Sudharshan	P.Sudharshan
47	17U45A0237	PITTA KISHORE	P.Kishore	P.Kishore	P.Kishore	P.Kishore	P.Kishore
48	17U45A0238	POLASAPALLI SAMUEL JACK FELEX	P.Seek	P.Seek	P.Seek	P.Seek	P.Seek

		P. Sriharish	P. Sriharish	P. Sriharish	P. Sriharish	P. Sriharish
49	17U45A0239	PUREDIA SRIHARIBABU	P. Sriharish	P. Sriharish	P. Sriharish	P. Sriharish
50	17U45A0240	RALLAPATI GANESWARA RAO	Rao	Rao	Rao	Rao
51	17U45A0241	SARAGADAM SURESH	S. Suresh	S. Suresh	S. Suresh	S. Suresh
52	17U45A0242	SENAPATHI GANESH	S. Ganesh	S. Ganesh	S. Ganesh	S. Ganesh
53	17U45A0243	SHAIK SHARIF	S. Sharif	S. Sharif	S. Sharif	S. Sharif
54	17U45A0244	SORNAPUDI HARSHA	S. Harsha	S. Harsha	S. Harsha	S. Harsha
55	17U45A0245	SRIKAKULAM MAHESH	S. Mahesh	S. Mahesh	AB	S. Mahesh
56	17U45A0246	SURISSETTY LAVANYA	S. Lavanya	S. Lavanya	S. Lavanya	S. Lavanya
57	17U45A0247	VANGALA JAYARAM	V. Jayaram	V. Jayaram	V. Jayaram	V. Jayaram
58	17U45A0248	VEGI VENKATA SATYA SAI HARI HARAN	V. Hari	V. Hari	V. Hari	V. Hari
59	17U45A0249	YENNETI MEENA	Y. Meena	Y. Meena	Y. Meena	Y. Meena
60	17U45A0250	KANDREGULA KISHORE	K. Kishore	K. Kishore	K. Kishore	K. Kishore
61	17U45A0251	NANDARAPU NAIDU	N. Naidu	N. Naidu	N. Naidu	N. Naidu
62	17U45A0252	JOGI LAXMAN SAI KIRAN	J. Sai	J. Sai	J. Sai	J. Sai
63	17U45A0253	AYTHI AVINASH YADAV	A. Yadav	A. Yadav	A. Yadav	A. Yadav
64	17U45A0254	PADALA GANGADHAR	P. Gangadhar	P. Gangadhar	P. Gangadhar	P. Gangadhar
65	17U45A0255	PUVVULAROUTHU RAVI TEJA	P. Ravi	P. Ravi	P. Ravi	P. Ravi
66	17U45A0256	KANDREGULA VENKATESH	K. Venkatesh	AB	K. Venkatesh	K. Venkatesh
67	17U45A0257	BHESETTI RAMA KRISHNA MAHESH	B. Mahesh	B. Mahesh	B. Mahesh	B. Mahesh
68	17U45A0258	REDDI RAMYA	R. Ramya	R. Ramya	R. Ramya	R. Ramya
69	17U45A0259	RONGALI GANGADHAR	R. Gangadhar	R. Gangadhar	R. Gangadhar	R. Gangadhar
70	17U45A0260	VANAM VINAY	V. Vinay	V. Vinay	V. Vinay	V. Vinay
71	17U45A0261	VELUGULA MANIKANTA	V. Manika	V. Manika	V. Manika	V. Manika
72	17U45A0262	KANDREGULA SAMPATH KUMAR	K. Kumar	K. Kumar	K. Kumar	K. Kumar
73	18U45A0201	ADADA JYOSHNA	A. Jyoshna	A. Jyoshna	A. Jyoshna	A. Jyoshna
74	18U45A0202	ARLE PAVAN KALYAN	A. Pavan	A. Pavan	A. Pavan	A. Pavan
75	18U45A0203	BADAMPUDI RADHA	B. Radha	B. Radha	B. Radha	B. Radha
76	18U45A0204	BOTTU SUNEETHA	B. Sunetha	B. Sunetha	B. Sunetha	B. Sunetha
77	18U45A0205	CHADARAM DURGA VENKATESH	C. Durga	C. Durga	C. Durga	C. Durga
78	18U45A0206	CHESETTY YAMINI PRASANNA DALISHA	C. Dalisha	C. Dalisha	C. Dalisha	C. Dalisha
79	18U45A0207	DADI SAI SREENU	D. Sai	D. Sai	D. Sai	D. Sai
80	18U45A0208	DODDI MANOJ	D. Manoj	AB	D. Manoj	D. Manoj
81	18U45A0209	DASARI MANOJ KUMAR	D. Kumar	D. Kumar	D. Kumar	D. Kumar
82	18U45A0210	DEVADULA ESWARA SARASWATHI	D. Eswara	D. Eswara	D. Eswara	D. Eswara
83	18U45A0211	EROTHI PURNIMA PRIYANKA	E. Purnima	E. Purnima	E. Purnima	E. Purnima
84	18U45A0212	ESAMPALLI TARUN KUMAR	E. Kumar	E. Kumar	E. Kumar	E. Kumar
85	18U45A0213	GOLLAOPUDI MANIKANTA	G. Mani	G. Mani	G. Mani	G. Mani
86	18U45A0214	KOCHERLAKOTA SAI MANI KRISHNA	K. Sai	K. Sai	K. Sai	K. Sai
87	18U45A0215	MALLA CHARAN TEJA	M. Teja	M. Teja	M. Teja	M. Teja
88	18U45A0216	MATHURTHI VENKATESH	M. Venkatesh	M. Venkatesh	M. Venkatesh	M. Venkatesh
89	18U45A0217	MEDISSETTI KUMAR RAJA	M. Raju	M. Raju	M. Raju	M. Raju
90	18U45A0218	NAKKINA DHANA SAI	N. Sai	AB	N. Sai	N. Sai
91	18U45A0219	PADALA MURALI SHANKAR	P. Murali	P. Murali	P. Murali	P. Murali
92	18U45A0220	PERURI CHANDANA	P. Chandan	P. Chandan	P. Chandan	P. Chandan
93	18U45A0221	POLMARASETTY DURGA MAHA LAKSHMI	P. Lakshmi	P. Lakshmi	P. Lakshmi	P. Lakshmi
94	18U45A0222	PORIREDDY SRINU	P. Srinu	P. Srinu	P. Srinu	P. Srinu
95	18U45A0223	PUDI NAVEEN KUMAR	P. Naveen	P. Naveen	P. Naveen	P. Naveen
96	18U45A0224	RONGALI APPALARAJU	R. Appala	R. Appala	R. Appala	R. Appala
97	18U45A0225	SAMUDALA MAHESH	S. Mahesh	S. Mahesh	S. Mahesh	S. Mahesh
98	18U45A0226	SUNKARI SURESH	S. Suresh	S. Suresh	S. Suresh	S. Suresh





DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC Accredited Institute

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

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

COURSE COMPLETION CERTIFICATE

This Certificate is given to

DADI SAI SREENU



For the successful completion of 5-days course on Design of power converter
using software tools from 21/01/2020 – 25/01/2020

Mr. T. Ramesh Babu
Course Instructor

Dr. Ch. Naga Prasad
Principal

Mr. Dadi Ratnakar
Chairman





DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC Accredited Institute

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

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

COURSE COMPLETION CERTIFICATE

This Certificate is given to

DODDI MANOJ



For the successful completion of 5-days course on Design of power converter
using software tools from 21/01/2020 – 25/01/2020

Mr. T. Ramesh Babu
Course Instructor

Dr. Ch. Naga Prasad
Principal

Mr. Dadi Ratnakar
Chairman





DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC Accredited Institute

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

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

COURSE COMPLETION CERTIFICATE

This Certificate is given to

MAILLA CHARAN TEJA



For the successful completion of 5-days course on Design of power converter
using software tools from 21/01/2020 – 25/01/2020

Mr. T. Ramesh Babu
Course Instructor

Dr. Ch. Naga Prasad
Principal

Mr. Dadi Ratnakar
Chairman





DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC Accredited Institute

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

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

COURSE COMPLETION CERTIFICATE

This Certificate is given to

PERURI CHANDANA



For the successful completion of 5-days course on Design of power converter
using software tools from 21/01/2020 – 25/01/2020

Mr. T. Ramesh Babu
Course Instructor

Dr. Ch. Naga Prasad
Principal

Mr. Dadi Ratnakar
Chairman





DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC Accredited Institute

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

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

COURSE COMPLETION CERTIFICATE

This Certificate is given to

SOPEETI AKHIL



For the successful completion of 5-days course on Design of power converter
using software tools from 21/01/2020 – 25/01/2020

Mr. T. Ramesh Babu
Course Instructor

Dr. Ch. Naga Prasad
Principal

Mr. Dadi Ratnakar
Chairman



DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE & Permanently Affiliated to VTU, Belagavi
NAAC Accredited Institute and Inclusion under Section 2(f) & 12 (B) of UGC Act
ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified 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: 5D 21/1/20 - 25/1/20 Instructor/Coordinator: 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 coordinators 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

Learned
New things
in this session

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



DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE & Permanently Affiliated to VTU, Belagavi
NAAC Accredited Institute and Inclusion under Section 2(f) & 12 (B) of UGC Act
ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified 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: 5D 21/1/20 - 25/1/20 Instructor/Coordinator: 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 coordinators 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 | ② | 5 |

Feedback Suggestions

Good course
to learn
in new-a-days.

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



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: 4-11-2019

Department of Electrical & Electronics Engineering is hereby informed that, in view of the feedback received from II & III B.Tech. EEE students regarding skill enhancement and to improve the expertise of students in ENERGY AUDIT, CONSERVATION & MANAGEMENT, HOD is advised to depute a faculty from EEE to design and develop a suitable course structure in line with basic concepts of power utilization to II & III B.Tech. EEE students with over 30 working hours. Please ensure that this Add-on course helps them to understand the principles of energy audit as well as management for industries and utilities and buildings. 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 Two Week Training Program on

ENERGY AUDIT, CONSERVATION & MANAGEMENT

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

Course Instructor

Mr. Ch. Ravi Kumar,

Assoc. Prof., **BBE**

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.

Benefitted Students

II & III B.Tech. **EEE**

Date: 11-11-2019 to 23-11-2019

Venue: LH-32 (4th Floor)

DEPARTMENT OF ELECTRICAL & ELECTRONICS

ENERGY AUDIT, CONSERVATION & MANAGEMENT

Course Instructor:

Mr. Ch. Ravi Kumar

Assistant Professor, EEE Department
Dadi Institute of Engineering & Technology

Duration:

Two weeks: 11-11-2019 to 23-11-2019

Overview & Need of 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 Objectives:

- To learn principle of energy audit as well as management for industries and utilities and buildings
- To study the energy efficient motors and lighting.
- To learn power factor improvement methods and operation of different energy instruments.
- To compute depreciation methods of equipment for energy savings.

Course Outcomes:

- Understand the principle of energy audit and their economic aspects
- Recommend energy efficient motors and design good lighting system.
- Understand advantages to improve the power factor.
- Evaluate the depreciation of equipment.

Requirements

- ❖ Basic Knowledge of Electrical system
- ❖ Basic Knowledge of Circuit Theory
- ❖ Basic computer knowledge.

Course Contents

- Chap1. Basic principles of Energy Audit
- Chap2. Energy Management
- Chap3. Energy efficient motors and lighting
- Chap4. Economic aspects and their computations





DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC Accredited Institute

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

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

COURSE COMPLETION CERTIFICATE

This Certificate is given to

DADI VANI



For the successful completion of 2-weeks course on Energy audit, conservation
& management from 11/11/19 – 23/11/19

Mr. Ch. Ravi Kumar
Course Instructor

Dr. Ch. Naga Prasad
Principal

Mr. Dadi Ratnakar
Chairman





DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC Accredited Institute

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

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

COURSE COMPLETION CERTIFICATE

This Certificate is given to

DURWASULA



For the successful completion of 2-weeks course on Energy audit, conservation
& management from 11/11/19 – 23/11/19

Mr. Ch. Ravi Kumar
Course Instructor

Dr. Ch. Naga Prasad
Principal

Mr. Dadi Ratnakar
Chairman





DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC Accredited Institute

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

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

COURSE COMPLETION CERTIFICATE

This Certificate is given to

KANNAM ROOPA



For the successful completion of 2-weeks course on Energy audit, conservation
& management from 11/11/19 – 23/11/19

Mr. Ch. Ravi Kumar
Course Instructor

Dr. Ch. Naga Prasad
Principal

Mr. Dadi Ratnakar
Chairman





DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC Accredited Institute

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

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

COURSE COMPLETION CERTIFICATE

This Certificate is given to

KOLLI SRAVANI



For the successful completion of 2-weeks course on Energy audit, conservation
& management from 11/11/19 – 23/11/19

Mr. Ch. Ravi Kumar
Course Instructor

Dr. Ch. Naga Prasad
Principal

Mr. Dadi Ratnakar
Chairman





DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC Accredited Institute

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

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

COURSE COMPLETION CERTIFICATE

This Certificate is given to

KONETTI RAKESH



For the successful completion of 2-weeks course on Energy audit, conservation
& management from 11/11/19 – 23/11/19

Mr. Ch. Ravi Kumar
Course Instructor

Dr. Ch. Naga Prasad
Principal

Mr. Dadi Ratnakar
Chairman



DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE & Permanently Affiliated to JNTUK, Rajamahendravaram
 NAAC Accredited Institute and Inclusion under Section 2(f) & 12 (B) of UGC Act
 An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified 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 it you could take a few minutes to share your opinions with us so that we can serve you better.

Title of the Activity: Energy Audit, conservation & management

Date/Duration: 20/11/19 - 23/11/19 Instructor/Coordinator: Ch. Ravi Kumar

- | | | | | | |
|---|---|---|---|---|---|
| 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

Learned many things about subject.

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



DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE & Permanently Affiliated to JNTUK, Rajamahendravaram
 NAAC Accredited Institute and Inclusion under Section 2(f) & 12 (B) of UGC Act
 An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified 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 it you could take a few minutes to share your opinions with us so that we can serve you better.

Title of the Activity: Energy audit, conservation & Management

Date/Duration: 20/11/19 - 23/11/19 Instructor/Coordinator: Ch. Ravi Kumar

- | | | | | | |
|---|---|---|---|---|---|
| 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

learned many things in short period of time

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



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: 18-11-2019

Department of Electronics & Communication Engineering is hereby informed that, in view of the feedback received from III B.Tech. students of ECE branch regarding skill enhancement and to improve the expertise of students in MatLab, HOD is advised to depute a faculty from ECE to design and develop a suitable course structure in line with advanced topics of Signal processing using MatLab for working on real time applications III B.Tech. students of ECE branch with over 30 working hours. Please ensure that this Add-on course helps them to understand the basic data operations in MatLab & to develop basic projects on MatLab, in the signal processing domain. Make arrangements to deliver the course from next week onwards.

PRINCIPAL

Dadi Institute of Engineering & Technology



Approved by AICTE & Permanently Affiliated to JNTUK
NAAC Accredited Institute & Inclusion under Section 2(f) & 12(B) of the UGC Act
NH-16, Anakapalle, Visakhapatnam, Andhra Pradesh
9963694444, 9963981111, www.diet.edu.in, info@diet.edu.in

Department of Electronics and Communication Engineering

Presents
**A four Week Training
Program**
on

**“MatLab for Signal
Processing”**

**25/11/2019 to 21/12/2019
(Twice a Week)**

**Course Instructor
Mr. K Someshwar Rao
Assoc. Prof., Department of ECE**

Venue:

Computer Lab 8, 3rd Floor, DIET



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

About ECE Department

The Department of ECE was established in the year 2006. It offers B.Tech. Program with an initial intake of 120. It also offers M.Tech. Program in Systems and Signal Processing. The department has good infrastructural facilities with full fledged laboratories equipped with adequate hardware and software. The faculty members are actively involved in research and are publishing papers in reputed national and international journals/conferences.

About the course

Students will be able to learn the MatLab and its Basic Tool box, Signal Processing Toolbox, which are useful to operate on the real-time Signaling projects. These Two of the basic Toolboxes that mathematically describe the performance of Systems.



Electronics and Communications Engineering

MatLab for Signal Processing

Course Instructor:

K Someshwar Rao
Assoc. Prof.,
Department of ECE

Duration:

4 Weeks: (25/11/2019 – 21/12/2019) - Twice a Week

Overview & Need for the Course:

Students are instructed to learn the basics of MatLab in this course. However they need to learn some advanced topics for working on real time applications. The course covers content required to develop basic projects on MatLab, in signal processing domain.

Course Objectives: To

- Understand the basic data operations in MatLab
- Provide knowledge on built in commands.
- Develop the skill required to handle large amounts of data.
- make the student handling real time sensor data.

Course Outcomes:

By the end of the course, the student will be able to

- Handle matrix operations.
- Generate and manipulate data as per the requirement.
- Develop real time projects using MatLab.

- Basic Knowledge on C-Programming.
- A Computer with an Internet Connection.

Course Contents:

1. Course overview
2. Command
3. MatLab desktop and editor
4. Vector and matrix
5. Indexing into and modifying arrays
6. Array calculations
7. Calling function
8. Obtaining help
9. Plotting data
10. Logical arrays
11. Introducing Signal Processing Tool Box
12. Introducing Image Processing Tool Box
13. Programming
14. Final project
15. Conclusion

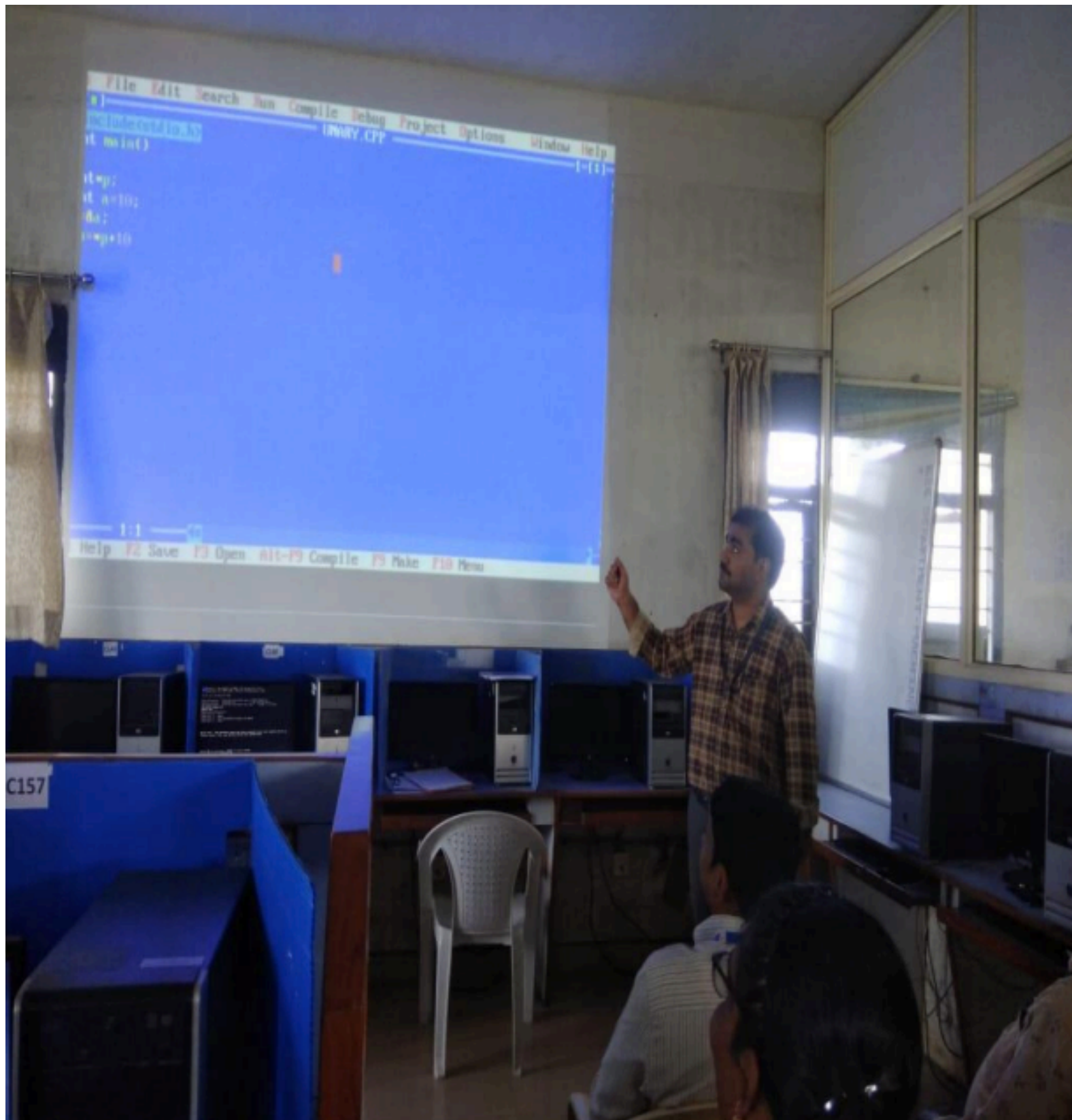
Classroom:

The screenshot displays the MATLAB R2014a environment. The interface includes a menu bar (HOME, PLOTS, APPS, EDITOR, PUBLISH, VIEW), a toolbar with icons for file operations, editing, and running, and a search bar for documentation. The main workspace is divided into three panes:

- Current Folder:** Shows the file structure of the current directory, including folders like 'm3registry', 'registry', 'util', and 'win64', and files such as 'deploytool.bat', 'insttype.ini', 'lcddata.xml', 'lcddata.xsd', 'lcddata_utf8.xml', 'matlab.bat', 'matlab.exe', 'mbuild.bat', 'mcc.bat', 'MemShieldStarter.bat', and 'mex.bat'.
- Editor:** Contains a script named 'mytask_2.m' with the following MATLAB code:

```
1 - clear;
2 - clear all;
3 - close all;
4 - img = imread('boston_night.JPG');
5 - % Enter your code below
6 - img1=rgb2gray(img);
7 - imshow(img1);
8 - img2=double(img1);
9 - img3=img2.^1.5;
10 - figure
11 - imshow(img3);
12 - img4=imrotate(img3,-1);
13 - figure
14 - imshow(img4);
15 - img5=cast(img4,'uint8');
16 - %imgAdjusted=img(1:3456,1:5184);
```
- Command Window:** Shows the execution output, including warnings about image size and the execution path for each line of code:

```
In mytask_2 at 7
Warning: Image is too big to fit on screen; displaying at 12%
> In imshow at 71
In imshow at 282
In mytask_2 at 11
Warning: Image is too big to fit on screen; displaying at 13%
> In imshow at 71
In imshow at 282
In mytask_2 at 14
>>
```



```
File Edit Search Run Compile Debug Project Options Window Help
1:1
int main()
{
    int a=10;
    int *p=10;
}
```

C157

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

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

COURSE COMPLETION CERTIFICATE

This Certificate is given to

KOLLI SRAVANI



For the successful completion of 4-week course on MatLab for Signal Processing from 25/11/2019 to 21/12/2019)

Mr. K Someshwar Rao
Course Instructor

Dr. Ch S Naga Prasad
Principal

Mr. Dadi Ratnakar
Chairman





DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC Accredited Institute

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

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

COURSE COMPLETION CERTIFICATE

This Certificate is given to

PALAKA TEJA



For the successful completion of 4-week course on MatLab for Signal Processing from 25/11/2019 to 21/12/2019)

Mr. K Someshwar Rao
Course Instructor

Dr. Ch S Naga Prasad
Principal

Mr. Dadi Ratnakar
Chairman



DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC Accredited Institute

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

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

COURSE COMPLETION CERTIFICATE

This Certificate is given to

KARRI GANESH



For the successful completion of 4-week course on MatLab for Signal Processing from 25/11/2019 to 21/12/2019)

Mr. K Someshwar Rao
Course Instructor

Dr. Ch S Naga Prasad
Principal

Mr. Dadi Ratnakar
Chairman





DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC Accredited Institute

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

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

COURSE COMPLETION CERTIFICATE

This Certificate is given to

N SIRISHA



For the successful completion of 4-week course on MatLab for Signal Processing from 25/11/2019 to 21/12/2019)

Mr. K Someshwar Rao
Course Instructor

Dr. Ch S Naga Prasad
Principal

Mr. Dadi Ratnakar
Chairman





DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE & Affiliated to JNTUK, Kakinada
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: MAT Lab for Signal Processing

Date/Duration: 4 weeks 25/11/2019 to 21/12/2019 Instructor/Coordinator: Mr. K. Someshwar Rao

- | | | | | | |
|---|---|---|---|---|---|
| 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

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



DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE & Affiliated to JNTUK, Kakinada
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: MAT Lab for Signal Processing

Date/Duration: 4 weeks 25/11/2019 to 21/12/2019 Instructor/Coordinator: Mr. K. Someshwar Rao

- | | | | | | |
|---|---|---|---|---|---|
| 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

Need more Hands on Teaching

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



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: 11-1-2020

Department of Computer Science Engineering is hereby informed that, in view of the feedback received from II B.Tech. ECE students regarding skill enhancement and to improve the expertise of students in Python Programming, HOD is advised to depute a faculty from CSE to design and develop a suitable course structure in line with basic concepts of Python Programming for working on real time applications to II B.Tech. ECE students with over 30 working hours. Please ensure that this Add-on course helps them to understand the basic data operations in Python Programming & to develop real time projects using Python Programming. 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 & Inclusion under Section 2(f) & 12(B) of the UGC Act
NH-16, Anakapalle, Visakhapatnam, Andhra Pradesh
9963694444, 9963981111, www.diet.edu.in, info@diet.edu.in

Department of Electronics and Communication Engineering

Presents

A
Four week Training Program
on

"Python Programming"

20/1/2020 to 15/2/2020

Course Instructor

Mr. Ch Dinesh, Asst. Prof.
Department of CSE

Venue:

Computer Lab 8, 3rd Floor, DIET



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

About ECE Department

The Department of ECE was established in the year 2006. It offers B.Tech. Program with an initial intake of 120. It also offers M.Tech. Program in Systems and Signal Processing. The department has good infrastructural facilities with full fledged laboratories equipped with adequate hardware and software. The faculty members are actively involved in research and are publishing papers in reputed national and international journals/conferences.

About the course

Students will be able to learn the Python and its Basic Tool boxes, which are useful to operate on the real-time Signaling projects. These basic Toolboxes that mathematically describe the performance of Systems.



Department of Electronics & Communication Engineering

PYTHON PROGRAMMING

Course Instructor:

Mr. Ch. Dineah
Assistant Professor, CSE Department
Dadi Institute of Engineering & Technology

Duration :

2 Weeks : 20/1/2020 to 15/2/2020

Overview & Need for the Course:

Students are instructed to learn the basics of Python Programming in this course. However they need to learn some advanced topics for working on real time applications. The course covers content required to develop basic projects on Python Programming, in signal processing domain.

Course Objectives: To

- Understand the basic data operations in Python Programming
- Provide knowledge on built in commands.
- Develop the skill required to handle large amounts of data.
- Make the student handling real time sensor data.

Course Outcomes:

By the end of the course, the student will be able to

- Handle matrix operations.
- Generate and manipulate data as per the requirement.
- Develop real time projects using Python Programming.

Requirements

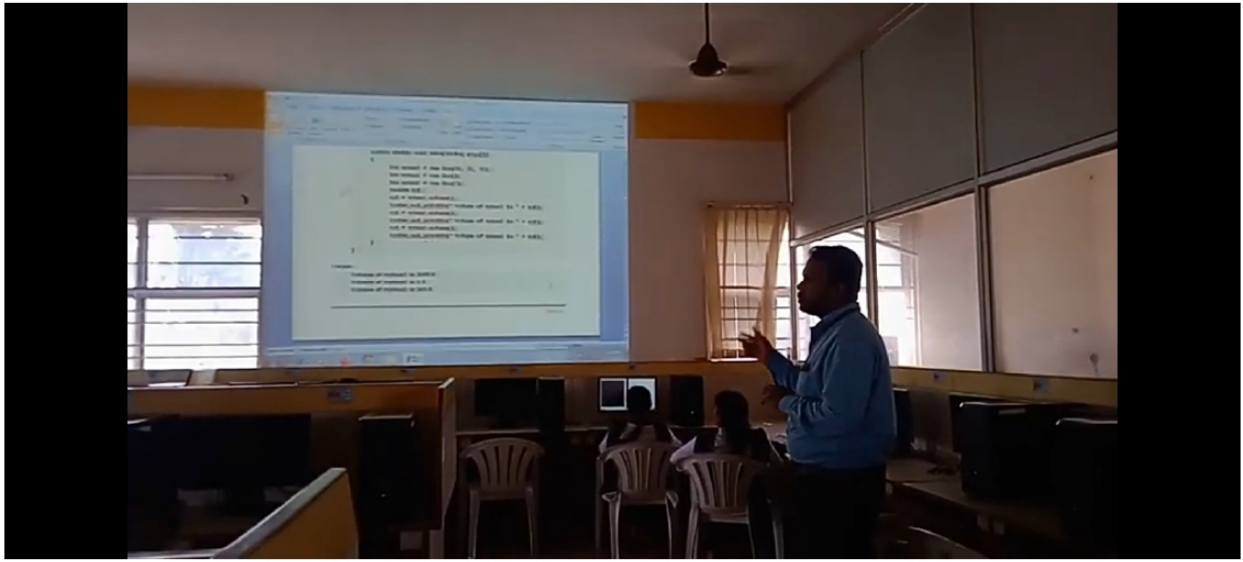
- Basic Knowledge on C-Programming.

Dadi Institute of Engineering & Technology, Anakapalle

- A Computer with an Internet Connection.

Course Contents:

1. Course overview
2. Command
3. Python Programming desktop and editor
4. Vector and matrix
5. Indexing into and modifying arrays
6. Array calculations
7. Calling function
8. Obtaining help
9. Plotting data
10. Logical arrays
11. Programming
12. Final project
13. Conclusion





DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

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

COURSE COMPLETION CERTIFICATE

This Certificate is given to

DADI ANUSHA



For the successful completion of 6-week course on PYTHON
PROGRAMMING from 20-01-2020 to 16-02-2020

Mr. Ch Dinesh
Course Instructor

Dr. Ch Naga Prasad
Principal

Mr. Dadi Ratnakar
Chairman





DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.
Mobile: +91 9963981111, Website: www.diet.edu.in, E-mail: info@diet.edu.in

COURSE COMPLETION CERTIFICATE

This Certificate is given to

KODI DEVI



For the successful completion of 6-week course on PYTHON
PROGRAMMING from 20-01-2020 to 16-02-2020

Mr. Ch Dinesh
Course Instructor

Dr. Ch Naga Prasad
Principal

Mr. Dadi Ratnakar
Chairman





DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

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

COURSE COMPLETION CERTIFICATE

This Certificate is given to

SOMU JYOTHI



For the successful completion of 6-week course on PYTHON
PROGRAMMING from 20-01-2020 to 16-02-2020

Mr. Ch Dinesh
Course Instructor

Dr. Ch Naga Prasad
Principal

Mr. Dadi Ratnakar
Chairman





DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

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

COURSE COMPLETION CERTIFICATE

This Certificate is given to

YELLAPU ARUNA



For the successful completion of 6-week course on PYTHON
PROGRAMMING from 20-01-2020 to 16-02-2020

Mr. Ch Dinesh
Course Instructor

Dr. Ch Naga Prasad
Principal

Mr. Dadi Ratnakar
Chairman





DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

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

COURSE COMPLETION CERTIFICATE

This Certificate is given to

MASARAPU MANI



For the successful completion of 6-week course on PYTHON
PROGRAMMING from 20-01-2020 to 16-02-2020

Mr. Ch Dinesh
Course Instructor

Dr. Ch Naga Prasad
Principal

Mr. Dadi Ratnakar
Chairman



DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE & Permanently Affiliated to INTU, Kambada
NAAC Accredited Institute and Inclusion under Section 2(f) & 12 (B) of UGC Act
An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified 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: Python programming

Date Duration: 4w 20/1/20 - 15/2/20 Instructor/Coordinator: Ch. Dinesh

- | | | | | | |
|---|---|---|---|---|---|
| 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 coordinators 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/Suggestion

Need more
Explanation
to get properly

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



DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE & Permanently Affiliated to INTU, Kambada
NAAC Accredited Institute and Inclusion under Section 2(f) & 12 (B) of UGC Act
An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified 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: Python programming

Date Duration: 4w 20/1/20 - 15/2/20 Instructor/Coordinator: Ch. Dinesh

- | | | | | | |
|---|---|---|---|---|---|
| 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 coordinators 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/Suggestion

Need some
more
explanation.

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



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: 10-1-2020

Department of Civil Engineering is hereby informed that, in view of the feedback received from II B.Tech. Civil students regarding skill enhancement and to improve the expertise of students to Total Station Survey, HOD is advised to depute a faculty from Civil to design and develop a suitable course structure in line with the basic skills which are essential for the surveyor to II & IV B.Tech. Civil students with over 30 working hours. Please ensure that this Add-on course helps them to Determine and evaluate accuracy and precision of GPS RTK and TLS methods. 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 & Affiliated to JNTUK

An ISO 9001:2008, 14001:2004 & OHSAS 18001:2007 Certified Institute, NH-5,
NAAC Accredited Institute
Visakhapatnam, Andhra Pradesh

Organized by

Department of CIVIL Engineering

A Two Week

(20-01-2020 to 01-02-2020)

Training Program on

“Total Station Survey”

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

About CIVIL Department

The Department of Civil Engineering was established in the year 2011, with an annual intake of 60 students for B.Tech. Programme. Department also offers Diploma in Civil Engineering with an intake of 60 seats, which was established in the year 2013. The Civil Department is well equipped with spacious laboratories and experienced technicians. The department of Civil Engineering also offers various consultancy works. Apart from academic, the students get indulged in laboratory experiments with various consultancy works under the Civil Engineering Technology Association (CETA) Club Activities.

About the course

Every one can become civil engineer but to become a good surveyor they need special skills and digital surveying techniques. Total station is one such instrument which has made survey much easier and user friendly. It works on the principle of electronic distance measurement techniques. Basic skills are essential for the surveyor for his good carrier. We have given all inputs required for self learning.

Course Instructor: Mrs. K. Manoharini, Asst. Prof. CIVIL Department

Department of Civil Engineering

Total Station Survey – Add On course

Course Instructor:

Mrs. K Manoharini,
Assistant Professor, CIVIL Department
Dadi Institute of Engineering & Technology

Duration:

2 weeks: (20-01-2020 to 01-02-2020)

Overview & Need of the Course:

Every one can become civil engineer but to become a good surveyor they need special skills and digital surveying techniques. Total station is one such instrument which has made survey much easier and user friendly. it works on the principle of electronic distance measurement techniques. basic skills are essential for the surveyor for his good carrier. we have given all inputs required for self learning.

Objective of the Total Station survey:

Determine and evaluate precision of the reference network which can be served as a reference value for comparison with RTK and TLS

- Determine and evaluate accuracy and precision of GPS RTK and TLS methods
- Determine the cost (time expenditure) of the three methods
- Compare results of the methods based on RMS and standard deviation analysis
- Forward possible recommendations that can improve the precision and accuracy of the three measurement methods

Requirements

- ❖ Basic Knowledge on Leveling
- ❖ Basic Terminologies in surveying .

Course Contents

Chapter 1:

Introduction

Instrumentation

Accuracy of a Total Station:

Accuracy & Precision

Total station can be used

Chapter 2

Accessories for Total Station

Functions Performed By Total Stations

Chapter 3

Operation of Total Station

Remotely Operated Total Station (ROBOTIC)

Features Include:

Chapter 4

Applications of Total Station

Uses of Total Station

Gallery





DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC Accredited Institute

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

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

COURSE COMPLETION CERTIFICATE

This Certificate is given to

GOWRI SAI



For the successful completion of 6-week course on Total Station Survey – Add

On course from 20-01-2020 to 01-02-2020

Mrs. K Manoharini

Course Instructor

Dr. Ch Naga Prasad

Principal

Mr. Dadi Ratnakar

Chairman





DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC Accredited Institute

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

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

COURSE COMPLETION CERTIFICATE

This Certificate is given to

ALLA DEEPIKA



For the successful completion of 6-week course on Total Station Survey – Add

On course from 20-01-2020 to 01-02-2020

Mrs. K Manoharini

Course Instructor

Dr. Ch Naga Prasad

Principal

Mr. Dadi Ratnakar

Chairman





DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC Accredited Institute

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

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

COURSE COMPLETION CERTIFICATE

This Certificate is given to

BANNTU NAAVEEN



For the successful completion of 6-week course on Total Station Survey – Add

On course from 20-01-2020 to 01-02-2020

Mrs. K Manoharini

Course Instructor

Dr. Ch Naga Prasad

Principal

Mr. Dadi Ratnakar

Chairman





DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC Accredited Institute

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

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

COURSE COMPLETION CERTIFICATE

This Certificate is given to

BANNTU NAAVEEN



For the successful completion of 6-week course on Total Station Survey – Add

On course from 20-01-2020 to 01-02-2020

Mrs. K Manoharini

Course Instructor

Dr. Ch Naga Prasad

Principal

Mr. Dadi Ratnakar

Chairman





DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC Accredited Institute

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

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

COURSE COMPLETION CERTIFICATE

This Certificate is given to

VARRI RAMU



For the successful completion of 6-week course on Total Station Survey – Add

On course from 20-01-2020 to 01-02-2020

Mrs. K Manoharini

Course Instructor

Dr. Ch Naga Prasad

Principal

Mr. Dadi Ratnakar

Chairman



DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE & Permanently Affiliated to JNTUK, Rajamahendravaram
 NAAC Accredited Institute and Inclusion under Section 2(f)(1) & 12(B) of UGC Act
 An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified 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 it if you could take a few minutes to share your opinions with us so that we can serve you better.

Title of the Activity: Energy Audit, conservation & management

Date/Duration: 20/11/19 - 23/11/19 Instructor/Coordinator: Ch. Ravi Kumar

- | | | | | | |
|---|---|---|---|---|---|
| 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

Learned many things about subject.

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



DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE & Permanently Affiliated to JNTUK, Rajamahendravaram
 NAAC Accredited Institute and Inclusion under Section 2(f)(1) & 12(B) of UGC Act
 An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified 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 it if you could take a few minutes to share your opinions with us so that we can serve you better.

Title of the Activity: Energy audit, conservation & Management

Date/Duration: 20/11/19 - 23/11/19 Instructor/Coordinator: Ch. Ravi Kumar

- | | | | | | |
|---|---|---|---|---|---|
| 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

learned many things in short period of time

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