



DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

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.

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

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

CIRCULAR

Anakapalle

Dt: 2-2-2023

Department of Electrical & Electronics Engineering is hereby informed that, in view of the feedback received from IV B.Tech. students of EEE branch regarding skill enhancement and to improve the expertise of students in “PLC Programming- learn the basics with Codesys software”, HOD is advised to depute a faculty from EEE to design and develop a suitable course structure in line with advanced topics of how to design different power converters to IV B.Tech. students of EEE branch with over 30 working hours. Please ensure that this Add-on course helps them to understand the design procedure of different power electronic converters used in various applications. Make arrangements to deliver the course from next week onwards.




PRINCIPAL
Dadi Institute of
Engineering & Technology
ANAKAPALLE - 531 002



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

Visakhapatnam, Andhra Pradesh



A Five Day Training Program on

“PLC Programming- learn the basics with Codesys software”

Organized by

Department of Electrical & Electronics Engineering

Course Instructor:

Dr. A S L K Gopamma,
EEE Department

Date: 6/02/2023–16/02/2023

Venue: Department of EEE



Dadi Institute of Engineering & Technology



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Visakhapatnam, Andhra Pradesh

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 EEE Department

The Department of EEE was established in the year 2006. It offers B.Tech. program, with an initial intake of 120. It also offers M.Tech program in Power & Industrial drives with an intake of 36. The department has good infrastructural facilities and has 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 basics of Programmable logic converters programming with simple instructions execute in Codesys real time software and the course empowers the student intellectual essence and fulfills industry needs.





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NH-16, Anakapalle, Visakhapatnam-531002, Andhra Pradesh, diet.edu.in

PLC Programming- Learn the basics with Codesys software

Course Instructor:

Dr. A S L K Gopamma,

Assoc. Professor, EEE Department
Dadi Institute of Engineering & Technology

Duration:

12 Days: (6/2/2023 – 16/2/2023)

Total Participants : 144 students

Overview & Need for the Course:

Students will be able to learn the basics of Programmable Logic Controllers programming with simple instructions execute in Codesys real time software and the course empowers the student intellectual essence and fulfills industry needs.

Course Objectives:

- To learn Ladder Diagram Fundamentals
- To learn The Programmable Logic Controller
- To learn Fundamental PLC Programming
- To learn Advanced Programming Techniques
- To learn Mnemonic Programming Code
- To learn Wiring Techniques
- To learn Analog I/O
- To learn Discrete Position Sensors
- To learn Encoders, Transducers, and Advanced Sensors
- To learn Closed Loop and PID Control
- To learn Motor Controls
- To learn System Integrity and Safety

Course Outcomes:

- To Learn the fundamental of PLC programming Tools
- To execute various PLC logical circuits
- To verify and simulate various Industrial needs
- To verify and simulate various controlled industrial systems with Codesys real time software

Requirements

- ❖ Basic Knowledge of Digital and analog systems
- ❖ Basic Knowledge of Micro controllers
- ❖ Basic computer knowledge.

Course Contents

1. Chapter 1 - Ladder Diagram Fundamentals
2. Chapter 2 - The Programmable Logic Controller
3. Chapter 3 - Fundamental PLC Programming
4. Chapter 4 - Advanced Programming Techniques
5. Chapter 5 - Mnemonic Programming Code
6. Chapter 6 - Wiring Techniques
7. Chapter 7 - Analog I/O
8. Chapter 8 - Discrete Position Sensors
9. Chapter 9 - Encoders, Transducers, and Advanced Sensors
10. Chapter 10 - Closed Loop and PID Control
11. Chapter 11 - Motor Controls
12. Chapter 12 - System Integrity and Safety



List of Participants

S.No.	HT No.	Student Name	Session-1 10.00 AM-10.50 AM	Session-2 11.00 AM-11.50 AM	Session-3 11.50 AM-12.40 PM	Session-4 1.30 PM-2.15 PM	Session-5 2.15 PM-3.00 PM
1	21U45A0238	VAMAN A KIRANMAYE	Y. Kiranmaye	Y. Kiranmaye	Y. Kiranmaye	Y. Kiranmaye	Y. Kiranmaye
2	21U45A0239	ADARI SAIKUMAR	A. Sai	A. Sai	A. Sai	A. Sai	A. Sai
3	21U45A0240	Amaragami Kosal	A. Kosal	A. Kosal	A. Kosal	A. Kosal	A. Kosal
4	21U45A0241	BAKI KUSHMARETSWY	B. K. Kusma	B. K. Kusma	B. K. Kusma	B. K. Kusma	B. K. Kusma
5	21U45A0242	BETHUBALAJI	B. Balaji	B. Balaji	B. Balaji	B. Balaji	B. Balaji
6	21U45A0243	BANDETTI ANUSHA	B. Anusha	B. Anusha	B. Anusha	B. Anusha	B. Anusha
7	21U45A0244	BANSIDETI PAVAN YAMSI	B. Pavan	B. Pavan	B. Pavan	B. Pavan	B. Pavan
8	21U45A0245	BODIPU VEERA SAI MANI TEJA	B. V. Sai	B. V. Sai	B. V. Sai	B. V. Sai	B. V. Sai
9	21U45A0246	Bodiba Leelith Komar	B. Leelith	B. Leelith	B. Leelith	B. Leelith	B. Leelith
10	21U45A0247	CHENKA SHRI SAI MOUNIKA	C. S. Sai	C. S. Sai	C. S. Sai	C. S. Sai	C. S. Sai
11	21U45A0248	Dadisetty Gowtham Sai Karthik	D. Karthik	D. Karthik	D. Karthik	D. Karthik	D. Karthik
12	21U45A0249	DASARI VINAY	D. Vinay	D. Vinay	D. Vinay	D. Vinay	D. Vinay
13	21U45A0250	DEPTU R NAGARAJU	D. Nagaraj	D. Nagaraj	D. Nagaraj	D. Nagaraj	D. Nagaraj
14	21U45A0251	DEVARAKONDA NAVTEN KUMAR	D. Navten	D. Navten	D. Navten	D. Navten	D. Navten
15	21U45A0252	DEVARAJU LAXMAN KUMAR	D. Laxman	D. Laxman	D. Laxman	D. Laxman	D. Laxman
16	21U45A0253	DURGA PRASAD PRASADULA	D. Prasad	D. Prasad	D. Prasad	D. Prasad	D. Prasad
17	21U45A0254	GALLA SRINIVASARAO	G. Srinivas	G. Srinivas	G. Srinivas	G. Srinivas	G. Srinivas
18	21U45A0255	GOKULAPATI GANESH	G. Ganesh	G. Ganesh	G. Ganesh	G. Ganesh	G. Ganesh
19	21U45A0256	JALLU TULASI RAM	J. Tulasi	J. Tulasi	J. Tulasi	J. Tulasi	J. Tulasi
20	21U45A0257	KADIMI HARINADH	K. Harinadh	K. Harinadh	K. Harinadh	K. Harinadh	K. Harinadh
21	21U45A0258	KANDREGULA YOGITHA SURESHADRA	K. Yogitha	K. Yogitha	K. Yogitha	K. Yogitha	K. Yogitha
22	21U45A0259	KANNAM CHUHITHA	K. Chuhitha	K. Chuhitha	K. Chuhitha	K. Chuhitha	K. Chuhitha
23	21U45A0260	KARRI DEEKSHITH	K. Deekshith	K. Deekshith	K. Deekshith	K. Deekshith	K. Deekshith
24	21U45A0261	KISHAN KUMAR	K. Kishan	K. Kishan	K. Kishan	K. Kishan	K. Kishan
25	21U45A0262	KONATALA MOHAN SAI	K. Mohan	K. Mohan	K. Mohan	K. Mohan	K. Mohan
26	21U45A0263	KORIBILI VEERA VENKATA SAI BHAVANSHI	K. V. Sai	K. V. Sai	K. V. Sai	K. V. Sai	K. V. Sai
27	21U45A0264	KUNDRAPU KOUSALYA	K. Kousalya	K. Kousalya	K. Kousalya	K. Kousalya	K. Kousalya
28	21U45A0265	MALLA BHARGAV SWAMY	M. Bhargav	M. Bhargav	M. Bhargav	M. Bhargav	M. Bhargav
29	21U45A0266	MANGARAJU SWATHI	M. Swathi	M. Swathi	M. Swathi	M. Swathi	M. Swathi
30	21U45A0267	MARISSETTY NEERAJ	M. Neeraj	M. Neeraj	M. Neeraj	M. Neeraj	M. Neeraj
31	21U45A0268	MOHAMMAD GULAM MUSTHAFA	M. Mustha	M. Mustha	M. Mustha	M. Mustha	M. Mustha
32	21U45A0269	MULAPATHI ADITYA SAI	M. Aditya	M. Aditya	M. Aditya	M. Aditya	M. Aditya
33	21U45A0270	MUMMINA PUSHPA	M. Pushpa	M. Pushpa	M. Pushpa	M. Pushpa	M. Pushpa
34	21U45A0272	PAPPALA TEJASRI	P. Tejasri	P. Tejasri	P. Tejasri	P. Tejasri	P. Tejasri
35	21U45A0273	PERLA SANDHYA	P. Sandhya	P. Sandhya	P. Sandhya	P. Sandhya	P. Sandhya
36	21U45A0274	RAMBUDDI UMA SANKAR	R. Uma	R. Uma	R. Uma	R. Uma	R. Uma
37	21U45A0275	RAPEETI KUSUMA KOMALI	R. Komali	R. Komali	R. Komali	R. Komali	R. Komali
38	21U45A0276	SARAGADAM SASHIDHAR	S. Sashidhar	S. Sashidhar	S. Sashidhar	S. Sashidhar	S. Sashidhar
39	21U45A0277	SOHAN DAS	S. Das	S. Das	S. Das	S. Das	S. Das
40	21U45A0278	VENKATARAMA VENKATA NAGA VIRENDRAN	V. Venkatesh	V. Venkatesh	V. Venkatesh	V. Venkatesh	V. Venkatesh
41	21U45A0279	VIRITHI GYANA SARARISHI KRISHNA	V. Krishna	V. Krishna	V. Krishna	V. Krishna	V. Krishna
42	21U45A0280	THANNA YAMSI	T. Yamsi	T. Yamsi	T. Yamsi	T. Yamsi	T. Yamsi
43	21U45A0281	MANYAM SAI JAYA KRISHINA	M. Sai	M. Sai	M. Sai	M. Sai	M. Sai
44	21U45A0282	BYLAPUDI NARAYANARAO	B. Narayan	B. Narayan	B. Narayan	B. Narayan	B. Narayan
45	21U45A0283	KARANAM SYAM KUMAR	K. Syam	K. Syam	K. Syam	K. Syam	K. Syam
46	21U45A0289	REYVI VENU	R. Venu	R. Venu	R. Venu	R. Venu	R. Venu
47	21U45A0217	RAJU GURURAJU P DEEPA KANAKA LAKSHANA	R. Kanaka	R. Kanaka	R. Kanaka	R. Kanaka	R. Kanaka
48	21U45A0218	KOIRUKONDA YAMINI PRIYANKA	Y. Priyanka	Y. Priyanka	Y. Priyanka	Y. Priyanka	Y. Priyanka
49	21U45A0219	KUNDALA BHANU SAI KRISHINA	K. Sai	K. Sai	K. Sai	K. Sai	K. Sai
50	21U45A0220	CHODIPALLI MUTTALA NAIDU	N. Naidu	N. Naidu	N. Naidu	N. Naidu	N. Naidu
51	21U45A0221	MADAKA RAMA KRISHNA	R. Krishna	R. Krishna	R. Krishna	R. Krishna	R. Krishna
52	21U45A0222	MADETI MANKANTA	M. Mankanta	M. Mankanta	M. Mankanta	M. Mankanta	M. Mankanta
53	21U45A0223	MALLA HARIKA	H. Harika	H. Harika	H. Harika	H. Harika	H. Harika
54	21U45A0224	MALLA VENKATA KUMAR	K. Kumar	K. Kumar	K. Kumar	K. Kumar	K. Kumar
55	21U45A0225	MARISSETTY A VENKATA SAI	M. Sai	M. Sai	M. Sai	M. Sai	M. Sai
56	21U45A0226	MERIALA NAGARAJU	N. Nagaraju	N. Nagaraju	N. Nagaraju	N. Nagaraju	N. Nagaraju
57	21U45A0227	MERUGU PRAMODH	P. Pramodh	P. Pramodh	P. Pramodh	P. Pramodh	P. Pramodh
58	21U45A0228	MUMMANA VINAY KUMAR	V. Vinay	V. Vinay	V. Vinay	V. Vinay	V. Vinay
59	21U45A0229	NAGA DURGA PRASAD KOTIBOVINA	N. Prasad	N. Prasad	N. Prasad	N. Prasad	N. Prasad
60	21U45A0230	PALAKA GAYATHRI	G. Gayathri	G. Gayathri	G. Gayathri	G. Gayathri	G. Gayathri
61	21U45A0231	PATTA JYOTHI AMAR SWAREEP	P. Swareep	P. Swareep	P. Swareep	P. Swareep	P. Swareep
62	21U45A0232	PEBBULI LAXMAN SAI	L. Sai	L. Sai	L. Sai	L. Sai	L. Sai
63	21U45A0233	PEEDIRELA KARTHIK	K. Karthik	K. Karthik	K. Karthik	K. Karthik	K. Karthik
64	21U45A0234	PILLA VENKATA RAMANA	P. Ramana	P. Ramana	P. Ramana	P. Ramana	P. Ramana
65	21U45A0235	REYVI VENU	R. Venu	R. Venu	R. Venu	R. Venu	R. Venu
66	21U45A0236	S YAMSI KRISHINA	S. Krishna	S. Krishna	S. Krishna	S. Krishna	S. Krishna
67	21U45A0237	VIRODHULA MANIKUMAR	M. Kumar	M. Kumar	M. Kumar	M. Kumar	M. Kumar

S.No.	HT No.	Student Name	10.00 AM-11.30AM	11.00 AM-11.30AM	11.30 AM-12.00PM	1.00 PM	Charan
1	21U41A0201	BHEEMARASETTI CHANDU	Charan	Charan	Charan	Charan	Charan
2	21U41A0202	BOTCHA SHRAVANI KUMARI	Shravani Kumari	Shravani Kumari	Shravani Kumari	Shravani Kumari	Shravani Kumari
3	21U41A0203	KANTAM REDDY BALA	Bala	Bala	Bala	Bala	Bala
4	21U41A0204	MUDUNURU KALYAN	Kalyan	Kalyan	Kalyan	Kalyan	Kalyan
5	21U41A0205	PALAKA SOWMYA	Sowmya	Sowmya	Sowmya	Sowmya	Sowmya
6	21U41A0206	PAITALA YASWANTI	AB	AB	AB	AB	AB
7	21U41A0207	KAMBATI SINDARITHA REDDY	Reddy	Reddy	Reddy	Reddy	Reddy
8	21U41A0208	YNLAMARASETTI PURNA GANESH	Ganesh	Ganesh	Ganesh	Ganesh	Ganesh
9	21U41A0209	YEGIREDDY SIRISHA	Sirisha	Sirisha	Sirisha	Sirisha	Sirisha
10	22U45A0201	ANUBOTHU HARIKRISHNA	Harikrishna	AB	Harikrishna	AB	Harikrishna
11	22U45A0202	BALASA DILESH MADHAV	Madhav	Madhav	Madhav	Madhav	Madhav
12	22U45A0203	BARNIKANA SRAVANI	Sravani	Sravani	Sravani	Sravani	Sravani
13	22U45A0204	BHUMARAJU BALAJI	Balaji	Balaji	Balaji	Balaji	Balaji
14	22U45A0205	BOBBARI LAVANYA	Lavanya	Lavanya	Lavanya	Lavanya	Lavanya
15	22U45A0206	BOBBARI MOHAN SAI	Mohan Sai	Mohan Sai	Mohan Sai	Mohan Sai	Mohan Sai
16	22U45A0207	CHUKKA SUNEETHA	Suneetha	Suneetha	Suneetha	Suneetha	Suneetha
17	22U45A0208	DADI BHARGAV APOOR	APPOY	APPOY	APPOY	APPOY	APPOY
18	22U45A0209	DASARI ARUNA	Aruna	Aruna	Aruna	Aruna	Aruna
19	22U45A0210	EARUSU RAMYANKA	Ramyanka	Ramyanka	Ramyanka	Ramyanka	Ramyanka
20	22U45A0211	ERLA ARCHANA	Archana	Archana	Archana	Archana	Archana
21	22U45A0212	GIRIJALA MOUNIKA	Mounika	Mounika	Mounika	Mounika	Mounika
22	22U45A0214	GUDABANDI SRINIVAS	Srinivas	Srinivas	Srinivas	Srinivas	Srinivas
23	22U45A0215	JONNADA SWASTHIK KUMAR	Kumar	Kumar	Kumar	Kumar	Kumar
24	22U45A0216	JUVVALA VIJAY KUMAR	Kumar	Kumar	Kumar	Kumar	Kumar
25	22U45A0217	KAKUMANU V K VASANTHA CHAISI	Vasantha	Vasantha	Vasantha	Vasantha	Vasantha
26	22U45A0218	KANCHUMURTY SHARAN SAI	Sai	Sai	Sai	Sai	Sai
27	22U45A0219	KANDULA TEJA	Teja	Teja	Teja	Teja	Teja
28	22U45A0220	KOLLI SRINIVAS	Srinivas	Srinivas	Srinivas	Srinivas	Srinivas

29	22U45A0221	KONETTI TEJA	Teja	Teja	Teja	Teja	Teja
30	22U45A0222	KOPPISETTI BABY SARAJINI	Sarajini	Sarajini	Sarajini	Sarajini	Sarajini
31	22U45A0223	KOTLA SAI DEEPAK	Deepak	Deepak	Deepak	Deepak	Deepak
32	22U45A0224	KOTTE DIVYA NAGA BALA SAI	Sai	Sai	Sai	Sai	Sai
33	22U45A0225	LOKANADHAM SAI KAMAL	Kamal	Kamal	Kamal	Kamal	Kamal
34	22U45A0226	MADAKA BHARGAVI	Bhargavi	Bhargavi	Bhargavi	Bhargavi	Bhargavi
35	22U45A0227	MOLLI ARUN KUMAR	Kumar	Kumar	Kumar	Kumar	Kumar
36	22U45A0228	NAKKA VISHNU VARDHAN KLMAR	Kumar	Kumar	Kumar	Kumar	Kumar
37	22U45A0229	NELAPARTHI PRAVEEN KUMAR	Kumar	Kumar	Kumar	Kumar	Kumar
38	22U45A0230	NIDRABINGI GIRIJA	Girija	Girija	Girija	Girija	Girija
39	22U45A0231	SINGAMPALLI VISWAKANTH	Viswakanth	Viswakanth	Viswakanth	Viswakanth	Viswakanth
40	22U45A0232	SURISSETTY JAGADEESH	Jagadeesh	Jagadeesh	Jagadeesh	Jagadeesh	Jagadeesh
41	22U45A0233	TANETI GNANA PRAKASH	Prakash	Prakash	Prakash	Prakash	Prakash
42	22U45A0234	THUMMAGUNTA SATYA DHANUSH	Satya	Satya	Satya	Satya	Satya
43	22U45A0235	URITI RAVI	Ravi	Ravi	Ravi	Ravi	Ravi
44	22U45A0236	VEGI DHANRAJ	Dhanraj	Dhanraj	Dhanraj	Dhanraj	Dhanraj
45	22U45A0237	YENNI KARTHIK	Karthik	Karthik	Karthik	Karthik	Karthik
46	22U45A0238	VASAMSETTI HARI SHANKAR GANESH	Shankar	Shankar	Shankar	Shankar	Shankar
47	22U45A0239	DODDI CHAKRADHAR	Chakradhar	Chakradhar	Chakradhar	Chakradhar	Chakradhar
48	22U45A0240	SENAPATHI PAVAN	Pavan	Pavan	Pavan	Pavan	Pavan
49	22U45A0241	KOVIRI JITENDHRA SATEESH	Sateesh	AB	Sateesh	Sateesh	Sateesh

Sample certificate



Feedback form

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STUDENT FEEDBACK FORM

Dear Candidate,
Your feedback is critical for the Institute to ensure that we are meeting with 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: PLC Programming - Learn the basic with coding on

Date Duration: 6-2-23 to 16-2-23 Course:

Instructor: Dr. A.S.L.K. Gopalamma

1. The content was as described in Promotional Material.	1	2	3	4	5
2. The Program was helpful in Practical Understanding.	1	2	3	4	5
3. I will recommended this course/workshop program to Relevant counterparts across our campus.	1	2	3	4	5
4. The Program was well explained within the time.	1	2	3	4	5
5. The Instructor was an effective communication.	1	2	3	4	5