



GURU NANAK INSTITUTE OF TECHNOLOGY

City Office: B2, 2nd Flr, Above Bata, Vikrampuri Colony, Karkhana Road, Secunderabad-50009, Telangana, India.
Ph: +91-40-6632 3294, 6517 6117, Fax: +91-40-2789 2633

www.gnithyd.ac.in

Campus: Ibrahimpatnam, R.R. District, Hyderabad-501506, Telangana, India. Ph: (0/95) 8414-20 21 20/21

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DATE: 28/12/2015

CIRCULAR

All the students of EEE department are impressed to express their interest by enrolling their names for the "PLC & Automation" starting from 18.01.2016 to 30.01.2016.

The detailed syllabus for the course is attached for your information and the enrolled students will be certified accordingly based upon the test conducted at the end of the course.

Concerned class in charges are instructed to submit the list of students enrolled within two days to the undersigned. For further information, you can contact the course coordinator or the Head of the Department.


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Copy to

Respected Principal and Vice Principal(for information)

Class incharges (for action)


Notice Board(for display)



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SYLLABUS FOR PLC AND AUTOMATION:

SNO.	TOPIC COVERED	DURATION(in hours)
1	Ladder Diagrams for combinational circuits	3
2	Ladder Diagrams for logic gates	3
3	Ladder Diagrams for Star-Delta starter	3
4	Contacts and coil	3
5	Timers	3
6	Counters	3
7	Closed loop, Open loop	3
8	Transfer function	3
9	Controllers	3
10	Data handling functions	3
11	PLC Registers	3



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PLC AND AUTOMATION

QUESTION PAPER

Duration: 120 min

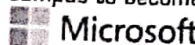
4 x5=20 marks

Answer the following all questions. Each question carries 5 marks

1. Explain the Functions of different block of PLC with the help of Block Diagram.
2. Explain 8051 memory organization in detail.
3. What is ladder programming? Write a ladder program to start /stop a motor using single push switch. Green LED glows when motor is ON. Red LED glows when motor is OFF.
4. Draw and explain the block diagram of 8051 microcontroller.


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LIST OF STUDENTS ENROLLED FOR PLC & AUTOMATION

Academic year: 2015-16


S.NO	ROLL NO.	NAME OF THE STUDENT	MARKS	P/F
1	12831A0201	ADAMALA JYOTHSNA	20	p
2	12831A0202	AKULAWAR NAVEEN	14	p
3	12831A0203	ARRAVENA BHARATH	18	p
4	12831A0204	B NAGARAJU	15	p
5	12831A0205	BANOTH SRINIVAS	19	p
6	12831A0206	BHIMANAPALLY PRASHANT	16	p
7	12831A0207	CHAPIDI PRAVEEN KUMAR	5	f
8	12831A0208	CHERLA LAXMAN	19	p
9	12831A0209	DEVARAI NAVYA	8	p
10	12831A0210	GUJJULA SHIRISH KUMAR	14	p
11	12831A0211	GUNDOJU NAGALAXMI	17	p
12	12831A0212	GURRAM SHALINI	16	p
13	12831A0213	JAVVAJI SAI TEJA	12	p
14	12831A0214	K JEEVAN	11	p
15	12831A0215	KADARI SRINIVASARAO	10	p
16	12831A0216	KAIRAM VAMSHIKRISHNA	8	p
17	12831A0217	KANNAYYAGARI PRADEEP SAGAR	12	p
18	12831A0218	KATHROJ SWATHI	10	p
19	12831A0219	KOLA RAKESH KUMAR	15	p
20	12831A0220	KURUBA PAVANI	18	p
21	12831A0221	LEBURU SMILIKA	19	p
22	12831A0222	M SRI HARSHA	16	p
23	12831A0223	MADPATHI NANDAKISHORE	13	p
24	12831A0224	MANTHAKANI SOUJANYA	7	f
25	12831A0225	MARAKALA MAHENDAR REDDY	12	p
26	12831A0226	MEDAVENI BHASKER	14	p
27	12831A0227	MOHAMMED MATHEEN	19	p
28	12831A0228	MUDURU BHASKER	20	p
29	12831A0229	NADHENDLA PRAVEEN KUMAR	15	p
30	12831A0231	NARENDULA SUCHARITHA	14	p
31	12831A0232	PADALA CHANDRASHEKAR	17	p



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S.NO	ROLL NO.	NAME OF THE STUDENT	MARKS	P/F
32	12831A0233	PAIDAKULA RAHUL	15	p
33	12831A0234	PALKAPATI RAMANJAN	7	f
34	12831A0235	PINNAPUREDDY RAVALI	14	p
35	12831A0236	PULIPALUPULA VISHAL GOUD	8	p
36	12831A0237	PULKAM VIKAS PATEL	13	p
37	12831A0238	PUTTA PURUSHOTHAM	16	p
38	12831A0239	RAGHUPATHIRAJU BHAVYA	19	p
39	12831A0240	REGUNTA MOUNIKA	15	p
40	12831A0241	S SHARATH KUMAR REDDY	14	p
41	12831A0242	SANAT SANTRA	18	p
42	12831A0243	SHAIK ABDUL WAJAHAT TAMANNA	20	p
43	12831A0244	T MOUNIKA REDDY	14	p
44	12831A0245	V VANI	17	p
45	12831A0246	VALI KRISHNA TEJA	16	p
46	12831A0248	VANGURI MADHU MURALI	13	p
47	12831A0249	VANKUDOTH VIJAY KUMAR	11	p
48	12831A0250	VINJERAPU PAVANI	10	p
49	12831A0251	YAMAGANI VENKATESH	4	f
50	13831A0201	A SAI KIRAN	18	p
51	13831A0202	A YAMINI	19	p
52	13831A0203	AKKALA GOUTHAM VARMA	15	p
53	13831A0204	ANAPURAM VAMSHI	12	p
54	13831A0205	BANNAN DEEPAK	10	p
55	13831A0206	BATHULA SUBRAHMANYAM	16	p
56	13831A0207	BODDUPALLI MURALI KRISHNA	19	p
57	13831A0208	CHERUPALLY V ROHAN SAI BHARGAV	17	p
58	13831A0209	CHILUKURI SURYA PRATHAP REDDY	15	p
59	13831A0210	DEGA ABHISHEK	14	p
60	13831A0211	DENAKANNI PRASANA LAKSHMI	12	p
61	13831A0212	DESHABOINA VENKATANARAYANA	5	p
62	13831A0213	GADAPA LAVANYA	12	p
63	13831A0214	GADDAM NARENDER REDDY	13	p
64	13831A0215	GANGA DEVI KIRAN	16	p
65	13831A0216	GUGULOTH NARENDER	20	p




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S.NO	ROLL NO.	NAME OF THE STUDENT	MARKS	P/F
66	13831A0217	HEMAVAR HANUMANTH	15	p
67	13831A0218	ISLAVATH CHANIKYA	20	p
68	13831A0219	JADA MOUNIKA	19	p
69	13831A0220	JAKULA SAI PRAKASH	14	p
70	13831A0222	KALLURI MANASA	15	p
71	13831A0223	KANDAGATLA SHIVAJI	17	p
72	13831A0224	KANDUKURI ARUN KUMAR	16	p
73	13831A0225	KANIGIRI BALA VENKATA RAVITEJA	14	p
74	13831A0226	KANTEM TEJASWINI	13	p
75	13831A0227	KATUKURI NAVEEN	12	p
76	13831A0228	KUNDURU SWETHA	15	p
77	13831A0229	KUNUKU SINDHUJA	14	p
78	13831A0230	M USHASREE	18	p
79	13831A0235	MUNDLA NISHANTH SAI	19	p
80	13831A0236	NAIDI SAIKRISHNA	14	p
81	13831A0237	NANDYALA KARHIK REDDY	17	p
82	13831A0238	PAPPULA MANOJ KUMAR	18	p
83	13831A0239	PAYYAMPALLY AKHILA SABU	16	p
84	13831A0240	PERUMALLA BALAKRISHNA	12	p
85	13831A0241	PORANDLA RAJESH	13	p
86	13831A0242	PUBBA ABHIJEET	15	p
87	13831A0243	PULIKANTI MAHARSHI	14	p
88	13831A0247	SHAIK BISMILLA	12	p



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SUMMARY REPORT OF PLC & AUTOMATION

GNIT is conducting certificate course on PLC & Automation from 18.01.2016 to 30.01.2016. Programmable Logic Controller (PLC) is a ruggedized digital computer which is used for industrial automation to carry out typical industrial electromechanical processes such as control of machinery on factory assembly lines, amusement rides, or light fixtures. These controllers help to automate a specific process, machine function, or even an entire production line.

PLCs can be used in various applications like Robotic arm in car manufacturing, Air compressors, Airport runway lighting control, Traffic signal control, Smoke alarm control, Process valve control, Textile equipment's, Vacuum pump system.

This training is useful to students for the following different aspects.

- Higher education
- Project work
- To get jobs in Industries
- It is very useful to students to implement their ideas and to write journals.




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Certificate of Course Completion

This certificate is presented to CH. LAXMAN
of GNIT, who has successfully completed technical training course
on *PLC & AUTOMATION* held from 18/01/2016 to
30/01/2016 and found the student performance to be excellent.

ILYAS ALI

CEO of imparta training academy



IMPARTA
Training Academy

Certificate of Course Completion

This certificate is presented to KATHROJ. SWATHI
of GNIT, who has successfully completed technical training course
on **PLC & AUTOMATION** held from 18/01/2016 to
30/01/2016 and found the student performance to be excellent.

ILYAS ALI

CEO of imparta training academy