

**GUDLAVALLERU ENGINEERING COLLEGE  
SESHADRI RAO KNOWLEDGE VILLAGE::GUDLAVALLERU  
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

**CIRCULAR**

Date: 17-02-2018

The Department of EEE is conducting a Workshop on "Fundamentals on PLC – PHASE I" By APSSDC Team on 19-02-2018 to 21-02-2018 for II-B.Tech Students. Hence all the II -B.Tech Students are informed to attend the Workshop without fail. Attendance will be given upon the Workshop attendance.

  
(Dr.L.RAVI SRINIVAS)

HOD



**A THREE DAY WORKSHOP  
on  
" FUNDAMENTALS OF PLC-PHASE I "**

**19<sup>th</sup> FEB - 21<sup>st</sup> FEB, 2018**



**Organized by**

**Department of Electrical & Electronics  
Engineering**

**GUDLAVALLERU ENGINEERING COLLEGE**

(An Autonomous Institute with Permanent Affiliation to  
JNTUK, Kakinada)

Seshadri Rao Knowledge Village Gudlavalluru-521 356,  
Krishna Dist. A.P. (Approved by AICTE, New Delhi,  
Accredited by NBA )

Phone: (08674) 273737, 273888,

Fax: (08674) 273957

Website: [www.gecgudlavalluru.ac.in](http://www.gecgudlavalluru.ac.in)

**Organizing Committee:**

**Coordinator:**

Mr. B. Mahesh Babu, *Asst. Prof*

Mobile: 8555026043

**Co-Coordinator:**

Ms. Jahera Shaik, *Asst Prof*

Mobile: 6303376452

**Resource Persons:**

- Team APSSDC

**Objectives of the Program:**

- To introduce students to the basic principles and components of PLCs.
- To demonstrate how to program, configure, and troubleshoot a basic PLC system.
- To teach students how to read and interpret ladder logic diagrams, which are commonly used to program PLCs.

**Topics:**

- Fundamental Principles of the basic programming.
- Design of the logic diagram and its hardware circuitry.

**About the College:**

The college is promoted by AANM & VVRSR Educational Society, Gudlavalluru and was established in 1998. The college is situated in Gudlavalluru, surrounded by lush green fields, providing serene atmosphere to learners. The college offers B.Tech. programmes in eight branches of Engineering viz, Civil, Electrical & Electronics, Mechanical, Electronics & Communication, Computer Science, Information Technology, Artificial Intelligence & Data Science, Internet of Things and CSE (Artificial Intelligence and Machine Learning) with a total intake of 1320. It also offers five PG programmes in Engineering (M.Tech.) and Business Management (MBA). The college is permanently affiliated to JNTUK, Kakinada and obtained the Autonomous status from U.G.C. in the year 2014 and the status extended till 2025. All the eligible branches of engineering are accredited by NBA, New Delhi. The Institution is continuously striving for excellence by adopting changes to improve the systems, practices and performance levels. TCS.

**About the Department:**

The Department of Electrical and Electronics Engineering was established in 1998 and is offering undergraduate course in Electrical and Electronics Engineering. It has been accredited 4 times (one time under Tier-1) by the National Board of Accreditation (NBA) and recognized as Research Centre by JNTUK, Kakinada. The department has qualified and experienced staff and well equipped Labs. Students of the department have been placed in a good number of core and software organizations and excelling in examinations like GATE, CAT etc. It is also offering M.Tech course in Power Electronics and Electric Drives. Department is marching forward keeping pace with the technological advances in Electrical and Electronics Engineering.

# GUDLAVALLERU ENGINEERING COLLEGE

(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)

Seshadri Rao Knowledge Village, Gudlavalleru - 521356, Krishna District (A.P.)

FUNDAMENTALS OF PLC - PHASE 1			19-02-18		20-02-18		21-02-18	
* ELECTRICAL AND ELECTRONICS ENGINEERING * Sec-A			FN	AN	FN	AN	FN	AN
1	16481A0201	ABDUL HAKEEM	A. Hakeem	A. Hakeem	A. Hakeem	A. Hakeem	A. Hakeem	A. Hakeem
2	16481A0202	ADDEPALLI VIJAYA BHARGAVI	A. Vijaya Bhargavi	A. Vijaya Bhargavi	A. Vijaya Bhargavi	A. Vijaya Bhargavi	A. Vijaya Bhargavi	A. Vijaya Bhargavi
3	16481A0203	ASHOK BABU BONTAGORLA	B. Ashok Babu	B. Ashok Babu	B. Ashok Babu	B. Ashok Babu	B. Ashok Babu	B. Ashok Babu
4	16481A0204	BAJA LAYA SRI	B. Laya Sri	B. Laya Sri	B. Laya Sri	B. Laya Sri	B. Laya Sri	B. Laya Sri
5	16481A0205	BALAKA PAWAN KUMAR	B. Pawan	B. Pawan	B. Pawan	B. Pawan	B. Pawan	B. Pawan
6	16481A0206	BANDARU NAGASRI	B. Nagasri	B. Nagasri	B. Nagasri	B. Nagasri	B. Nagasri	B. Nagasri
7	16481A0208	BATCHU RASI MANJUSHA	B. Rasi Manjusha	B. Rasi Manjusha	B. Rasi Manjusha	B. Rasi Manjusha	B. Rasi Manjusha	B. Rasi Manjusha
8	16481A0209	BADE HARSHA VARDHASN	B. Harsha	B. Harsha	B. Harsha	B. Harsha	B. Harsha	B. Harsha
9	16481A0210	BOGADI SAI LAKSHMI DURGA BHAVYA	B. Bhavya	B. Bhavya	B. Bhavya	B. Bhavya	B. Bhavya	B. Bhavya
10	16481A0211	BOLLA PAVAN KUMAR	B. Pawan Kumar	B. Pawan Kumar	B. Pawan Kumar	B. Pawan Kumar	B. Pawan Kumar	B. Pawan Kumar
11	16481A0212	BORRA GOWTHAM	B. Gowtham	B. Gowtham	B. Gowtham	B. Gowtham	B. Gowtham	B. Gowtham
12	16481A0215	CHEERA KIRANMAI	Ch. Kiranmai	Ch. Kiranmai	Ch. Kiranmai	Ch. Kiranmai	Ch. Kiranmai	Ch. Kiranmai
13	16481A0216	CHALLA JAGADEESH	Ch. Jagadeesh	Ch. Jagadeesh	Ch. Jagadeesh	Ch. Jagadeesh	Ch. Jagadeesh	Ch. Jagadeesh
14	16481A0217	CHALLA SANDEEP REDDY	Ch. Sandeep Reddy	Ch. Sandeep Reddy	Ch. Sandeep Reddy	Ch. Sandeep Reddy	Ch. Sandeep Reddy	Ch. Sandeep Reddy
15	16481A0218	CHEEKATI CHAITANYA PAVAN KRISHNA	Ch. Pavan Krishna	Ch. Pavan Krishna	Ch. Pavan Krishna	Ch. Pavan Krishna	Ch. Pavan Krishna	Ch. Pavan Krishna
16	16481A0219	CHERUKURI BHAVANA LAKSHMI SASANJALI	Ch. Sasanjali	Ch. Sasanjali	Ch. Sasanjali	Ch. Sasanjali	Ch. Sasanjali	Ch. Sasanjali
17	16481A0220	CHITTA MANIDATTA KUMAR	Ch. Manidatta	Ch. Manidatta	Ch. Manidatta	Ch. Manidatta	Ch. Manidatta	Ch. Manidatta
18	16481A0222	DEEVI MANOGNA	D. Manogna	D. Manogna	D. Manogna	D. Manogna	D. Manogna	D. Manogna
19	16481A0224	DIVI VENKATA SAI	D. Venkata Sai	D. Venkata Sai	D. Venkata Sai	D. Venkata Sai	D. Venkata Sai	D. Venkata Sai
20	16481A0229	GANTA TARUN	G. Tarun	G. Tarun	G. Tarun	G. Tarun	G. Tarun	G. Tarun
21	16481A0230	GARIKIMUKKU CHAITANYA	G. Chaitanya	G. Chaitanya	G. Chaitanya	G. Chaitanya	G. Chaitanya	G. Chaitanya
22	16481A0231	GAYAM RAVINDRA REDDY	G. Ravindra Reddy	G. Ravindra Reddy	G. Ravindra Reddy	G. Ravindra Reddy	G. Ravindra Reddy	G. Ravindra Reddy
23	16481A0232	GOGINENI HEMANTH KUMAR	G. Hemant Kumar	G. Hemant Kumar	G. Hemant Kumar	G. Hemant Kumar	G. Hemant Kumar	G. Hemant Kumar
24	16481A0233	GOLLA DONI	G. Doni	G. Doni	G. Doni	G. Doni	G. Doni	G. Doni
25	16481A0234	GONGATI ARPITHA	G. Arpitha	G. Arpitha	G. Arpitha	G. Arpitha	G. Arpitha	G. Arpitha
26	16481A0235	GORIPARTHI PUSHKARINI	G. Pushkarini	G. Pushkarini	G. Pushkarini	G. Pushkarini	G. Pushkarini	G. Pushkarini
27	16481A0236	GOWRISETTI VENKATESWARA RAO	G. Venkatesh	G. Venkatesh	G. Venkatesh	G. Venkatesh	G. Venkatesh	G. Venkatesh
28	16481A0237	GUNIPUDI SUNEEL KUMAR	G. Sunil Kumar	G. Sunil Kumar	G. Sunil Kumar	G. Sunil Kumar	G. Sunil Kumar	G. Sunil Kumar
29	16481A0238	GURIVINDAPALLI SRI DIVYA	G. Sri Divya	G. Sri Divya	G. Sri Divya	G. Sri Divya	G. Sri Divya	G. Sri Divya
30	17485A0202	SHAIK AKMAL	Sh. Akmal	Sh. Akmal	Sh. Akmal	Sh. Akmal	Sh. Akmal	Sh. Akmal
31	17485A0205	KOTA NAVEEN	K. Naveen	K. Naveen	K. Naveen	K. Naveen	K. Naveen	K. Naveen
32	17485A0206	DUPAGUNTLA SURYA PRAKASH GUPTHA	D. S. Prakash	D. S. Prakash	D. S. Prakash	D. S. Prakash	D. S. Prakash	D. S. Prakash
33	17485A0207	MADDALA BALA RAJU	M. Balaji	M. Balaji	M. Balaji	M. Balaji	M. Balaji	M. Balaji
34	17485A0209	CHINTAMALA SIVA KRISHNA	Ch. Sivakrishna	Ch. Sivakrishna	Ch. Sivakrishna	Ch. Sivakrishna	Ch. Sivakrishna	Ch. Sivakrishna
35	17485A0210	BAVURAPALLI NAGA DURGA	B. Durga	B. Durga	B. Durga	B. Durga	B. Durga	B. Durga
36	17485A0214	YANDRAPU VIJAYA KRISHNA	Y. Vijaya Krishna	Y. Vijaya Krishna	Y. Vijaya Krishna	Y. Vijaya Krishna	Y. Vijaya Krishna	Y. Vijaya Krishna
37	17485A0215	TATA HITESH	T. Hitesh	T. Hitesh	T. Hitesh	T. Hitesh	T. Hitesh	T. Hitesh

239

16481A0239

G. Meena G. Meena





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* ELECTRICAL AND ELECTRONICS ENGINEERING * Sec-C			19-02-18		20-02-18		21-02-18	
S.No	Roll No	Name of the Student	FN	AN	FN	AN	FN	AN
19	16481A02A2	SANNALA SRILAKSHMI SWATHI	S. Swathi	S. Swathi	S. Swathi	S. Swathi	S. Swathi	S. Swathi
20	16481A02A3	SARAKANAM RAGHU	S. Raghu	S. Raghu	S. Raghu	S. Raghu	S. Raghu	S. Raghu
21	16481A02A4	SHAHEED KHAN	Shahid Khan	Shahid Khan	Shahid Khan	Shahid Khan	Shahid Khan	Shahid Khan
22	16481A02A5	SHAIK EYAZUDDIN	S. E. Ayazuddin	S. E. Ayazuddin	S. E. Ayazuddin	S. E. Ayazuddin	S. E. Ayazuddin	S. E. Ayazuddin
23	16481A02A6	SHAIK MAHABOOB JANI	S. M. Mahaboob Jani	S. M. Mahaboob Jani	S. M. Mahaboob Jani	S. M. Mahaboob Jani	S. M. Mahaboob Jani	S. M. Mahaboob Jani
24	16481A02B0	TALUPULA RAVITEJA	T. Raviteja	T. Raviteja	T. Raviteja	T. Raviteja	T. Raviteja	T. Raviteja
25	16481A02B1	TELAGAREDDI SANDHYA RANI	T. Sandhya	T. Sandhya	T. Sandhya	T. Sandhya	T. Sandhya	T. Sandhya
26	16481A02B2	ULLASA SATISH KUMAR	U. Satish Kumar	U. Satish Kumar	U. Satish Kumar	U. Satish Kumar	U. Satish Kumar	U. Satish Kumar
27	16481A02B3	VADUPU MOHAN SAI	V. Mohan Sai	V. Mohan Sai	V. Mohan Sai	V. Mohan Sai	V. Mohan Sai	V. Mohan Sai
28	16481A02B4	VAKKAPATLA BHARAT KUMAR	V. Bharat Kumar	V. Bharat Kumar	V. Bharat Kumar	V. Bharat Kumar	V. Bharat Kumar	V. Bharat Kumar
29	16481A02B5	VADLAMUDI YASHVANTH	V. Yashwanth	V. Yashwanth	V. Yashwanth	V. Yashwanth	V. Yashwanth	V. Yashwanth
30	16481A02B6	VANKADARA MANASWINI	M. Manaswini	M. Manaswini	M. Manaswini	M. Manaswini	M. Manaswini	M. Manaswini
31	16481A02B8	VATTIKUTI RAJESWARI	V. Rajeswari	V. Rajeswari	V. Rajeswari	V. Rajeswari	V. Rajeswari	V. Rajeswari
32	16481A02C0	VEMULAPALLI JAHNAVI	V. Jahnavi	V. Jahnavi	V. Jahnavi	V. Jahnavi	V. Jahnavi	V. Jahnavi
33	16481A02C1	VENNA KRISHNA BALAJI	V. Krishna Balaji	V. Krishna Balaji	V. Krishna Balaji	V. Krishna Balaji	V. Krishna Balaji	V. Krishna Balaji
34	16481A02C3	VURA RAMYA SRI	V. Ramya Sri	V. Ramya Sri	V. Ramya Sri	V. Ramya Sri	V. Ramya Sri	V. Ramya Sri
35	16481A02C4	YALAMARTHI BHARAT PAWAN	Y. Bharat Pawan	Y. Bharat Pawan	Y. Bharat Pawan	Y. Bharat Pawan	Y. Bharat Pawan	Y. Bharat Pawan
36	16481A02C5	YANNA MAHENDRA KUMAR	Y. Mahendra Kumar	Y. Mahendra Kumar	Y. Mahendra Kumar	Y. Mahendra Kumar	Y. Mahendra Kumar	Y. Mahendra Kumar
37	16481A02C6	YARLAGADDA SAI RAMYA SREE	Y. Sai Ramya Sree	Y. Sai Ramya Sree	Y. Sai Ramya Sree	Y. Sai Ramya Sree	Y. Sai Ramya Sree	Y. Sai Ramya Sree
38	16481A02C8	NIDIKONDA LAVANYA	N. Lavanya	N. Lavanya	N. Lavanya	N. Lavanya	N. Lavanya	N. Lavanya
39	17485A0258	MYLAVARAPU MANOJ KUMAR	M. Manoj Kumar	M. Manoj Kumar	M. Manoj Kumar	M. Manoj Kumar	M. Manoj Kumar	M. Manoj Kumar
40	17485A0261	BOTKA ADI NARAYANA	B. Adi Narayana	B. Adi Narayana	B. Adi Narayana	B. Adi Narayana	B. Adi Narayana	B. Adi Narayana
41	17485A0262	R.M.V SITHA RAMA CHARYULU	R. S. Rama Charyulu	R. S. Rama Charyulu	R. S. Rama Charyulu	R. S. Rama Charyulu	R. S. Rama Charyulu	R. S. Rama Charyulu
42	15485A0234	TUMMIDI RAGHAVENDRA RAO	T. Raghavendra Rao	T. Raghavendra Rao	T. Raghavendra Rao	T. Raghavendra Rao	T. Raghavendra Rao	T. Raghavendra Rao
43	16485A0214	PESARLANKA PRASANNA PAUL	P. Prasnanna Paul	P. Prasnanna Paul	P. Prasnanna Paul	P. Prasnanna Paul	P. Prasnanna Paul	P. Prasnanna Paul

17-216L K. Thambi Babu

17-246 M. Krishna namsi

17-212 T. Yashwanth

17-213 G.V. Sivakumar

K. Thambi Babu Thambi Babu Thambi Babu Thambi Babu Thambi Babu

M. Krishnans M. Krishnans M. Krishnans M. Krishnans M. Krishnans

T. Yashwanth T. Yashwanth T. Yashwanth T. Yashwanth T. Yashwanth

G.V. Sivakumar G.V. Sivakumar G.V. Sivakumar G.V. Sivakumar G.V. Sivakumar

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Seshadri Rao Knowledge Village, GUDLAVALLERU – 521 356, Andhra Pradesh.

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

*This is to certify that*

**BAJA LAYA SRI**

*With*

**Roll Number: 16481A0204**

has attended Three Day Workshop on “Fundamentals on PLC-Phase I” organized by the Department of Electrical and Electronics Engineering, Gudlavalleru Engineering College, Seshadri Rao Knowledge Village, Gudlavalleru, during 19<sup>th</sup> - 21<sup>st</sup> February 2018.



**Dr. B. Mahesh Babu**  
Co-Ordinator



**Thumma NVASS Sai Ram**  
Resource Person



**Dr. L. Ravi Srinivas**  
Head of Department



**Prof. (Dr.) P. Ravindra Babu**  
Principal

**GUDLAVALLERU ENGINEERING COLLEGE**  
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Seshadri Rao Knowledge Village, GUDLAVALLERU – 521 356, Andhra Pradesh.

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

*This is to certify that*

**BORRA GOWTHAM**

*With*

**Roll Number: 16481A0212**

has attended Three Day Workshop on “Fundamentals on PLC-Phase I” organized by the Department of Electrical and Electronics Engineering, Gudlavalleru Engineering College, Seshadri Rao Knowledge Village, Gudlavalleru, during 19<sup>th</sup> - 21<sup>st</sup> February 2018.



**Dr. B. Mahesh Babu**  
Co-Ordinator



**Thummu NVASS Sai Ram**  
Resource Person



**Dr. L. Ravi Srinivas**  
Head of Department



**Prof. (Dr.) P. Ravindra Babu**  
Principal



## PROGRAM REPORT

**Name of the Program** : A Three day Work Shop on Fundamentals of PLC-Phase I

**Dates** : 19<sup>th</sup> February 2018 to 21<sup>st</sup> February 2018

**Details of the Resource Person** : Team from APSSDC  
Infosight Building, Paathuru Road, Tadepalle, Andhra Pradesh  
Phone number : 099888 53336

**Objective of the Program:**

- To introduce students to the basic principles and components of PLCs.
- To demonstrate how to program, configure, and troubleshoot a basic PLC system.
- To teach students how to read and interpret ladder logic diagrams, which are commonly used to program PLCs.

**Outcomes of the Program:**

- Students will be able to know basics of PLC components, operation, and programming.
- Students will be able to identify and troubleshoot common problems that occur with PLC systems.
- Students will be able to create and modify simple PLC programs using ladder logic diagrams.

**No. of Participants** : 110

**Concluding Remarks** : workshop on the fundamentals of PLCs provided students with a strong foundation in the basic concepts and terminology involved in the design and implementation of PLC-based systems. With this knowledge, they can go on to pursue more advanced training or apply what they have learned in practical settings.



**Coordinator**



**HoD, EEE**

**GUDLAVALLERU ENGINEERING COLLEGE  
SESHADRI RAO KNOWLEDGE VILLAGE::GUDLAVALLERU  
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

**WORKSHOP ON FUNDAMENTALS OF PLC –PHASE I**

On behalf of ESCON, we have conducted a workshop to II B.Tech students on “**Fundamentals on PLC phase I**” during 19/02/2018-21/02/2018 by APSSDC team. This event was coordinated by the Escon body members under the supervision of faculty advisors Sri B.Mahesh babu and Sri.P.Bala koteswara Rao and Ms. Shaik.Jahera. Around 110 members of II B.Tech participated in the workshop and got familiarized with the programs taught. Students had taken part enthusiastically and interacted well. The related pictures of the event are shown below.



