



**VEMU INSTITUTE OF TECHNOLOGY**

**P.Kothakota, Chittoor District -517112**

---

**A Seminar on  
"PID Temperature  
Controller"**

**26/02/2022**

**(Under MoU Activity)**

**Target Students: IV EEE**



**VEMU INSTITUTE OF TECHNOLOGY: P. KOTHAKOTA**  
Chittoor-Tirupathi National Highway, P.Kothakota, Near Pakala, Chittoor (Dt.), AP - 517112  
(Approved by AICTE, New Delhi. Affiliated to JNTUA, Anantapur. Recognized Under 2(f) & 12(B) of  
UGC Act. Accredited by NAAC and NBA (CSE, ECE&EEE) & An ISO 9001:2015 Certified Institute)  
**Department of Electrical and Electronics Engineering**

VEMU/EEE/2021-22

Date: 19-02-2022

**CIRCULAR**

It is here by informed to all the students of IV EEE that there is a Seminar on  
"PID Temperature Controller" on 26-02-2022 by Mr. S.Murali Mohan of SIGMA  
CONTROLS, Hosur. Hence all the students of IV EEE are instructed to attend the Seminar  
without fail.

Venue: Seminar Hall

Time: 10.00 AM

Copy to:

1. Circulation to all students
2. Staff
3. Dept file
4. Notice Board

*S. Murali Mohan*

*[Signature]*

*[Signature]*

*A. H. S.*

HOD- EEE

HEAD

DEPARTMENT OF EEE  
VEMU INSTITUTE OF TECHNOLOGY  
P. KOTHAKOTA - 517 112

PRINCIPAL  
VEMU INSTITUTE OF TECHNOLOGY  
P. KOTHAKOTA - 517 112



# VEMU INSTITUTE OF TECHNOLOGY: P. KOTHAKOTA

Chittoor-Tirupathi National Highway, P.Kothakota, Near Pakala, Chittoor (Dt.), AP - 517112  
(Approved by AICTE, New Delhi, Affiliated to JNTUA, Anantapur, Recognized Under 2(f) & 12(B) of  
UGC Act. Accredited by NAAC and NBA (CSE, ECE&EEE) & An ISO 9001:2015 Certified Institute)  
Department of Electrical and Electronics Engineering

## SEMINAR ATTENDANCE SHEET

Title: PID Temperature Controller (MOU Activity)

Date: 26-02-2022

Resource Person: Mr.S.Murali Mohan

Year: IV EEE

S.No	Roll. No	Student Name	Signature
1	184M1A0201	A Mounish Kumar	A. mounish kumar
2	184M1A0202	A Poojitha	A. Poojitha
3	184M1A0203	A S Hemagiri	A. S. Hemagiri
4	184M1A0207	Bellam Haritha	B. Haritha
5	184M1A0208	Bhukya Kalpana	B. kalpana
6	184M1A0209	D Devi	D. Devi
7	184M1A0210	Dana. Vahitha	Dana. vahitha
8	184M1A0211	Doma Poornima	D. Poornima
9	184M1A0212	Donadhula Ramya Kala	
10	184M1A0213	Guduru Sudheer Babu	G. Sudheer Babu
11	184M1A0214	J Venugopal	J. Venugopal
12	184M1A0215	Jp. Susmitha	Jp. susmitha
13	184M1A0216	K Bhavana	K. Bhavana
14	184M1A0217	K Charantheja	K. charantheja
15	184M1A0218	K Charishma	K. Charishma
16	184M1A0219	K Harika	K. Harika
17	184M1A0220	K Rishi Reddy	K. Rishi Reddy
18	184M1A0221	K Umaesh Chand	K. Umaesh Chand
19	184M1A0222	K Yamini	K. Yamini
20	184M1A0223	Kattamanchi Likitha	K. Likitha
21	184M1A0224	Kattipalem Durga Prasad	K. Durga prasad
22	184M1A0225	Kommiri Hemalatha	K. Hemalatha
23	184M1A0226	Kotarupalli Nandeeshwar Harika	K. Nandeeshwar Harika
24	184M1A0227	Kummari Ravi	K. Ravi
25	184M1A0228	Kuruva Harish Kumar	K. Harish Kumar
26	184M1A0229	Kuruva Vijaykumar	K. Vijaykumar
27	184M1A0230	M Anurag Sagar	M. Anurag Sagar

VEMU INSTITUTE OF TECHNOLOGY  
P. KOTHAKOTA 517112



# VEMU INSTITUTE OF TECHNOLOGY: P. KOTHAKOTA

Chittoor-Tirupathi National Highway, P.Kothakota, Near Pakala, Chittoor (Dt.), AP - 517112  
(Approved by AICTE, New Delhi. Affiliated to JNTUA, Anantapur. Recognized Under 2(f) & 12(B) of  
UGC Act. Accredited by NAAC and NBA (CSE, ECE&EEE) & An ISO 9001:2015 Certified Institute)

## Department of Electrical and Electronics Engineering

28	184M1A0231	Madiri Anil Kumar	MA
29	184M1A0232	Mallela Gnanendra	Gnanendra
30	184M1A0233	Miriyala Mohith Kumar	Mohith Kumar
31	184M1A0234	Mohan Sharath Kumar	Sharath
32	184M1A0235	N Manjunath	N. Manjunath.
33	184M1A0236	N Shalini	N. Shalini
34	184M1A0238	P Lasya	P. Lasya
35	184M1A0239	P Vasavi	P. Vasavi
36	184M1A0240	Pagadolla Pavan Kumar	Pavan Kumar
37	184M1A0242	Pandigunta Jaya Sree	Jaya Sree
38	184M1A0243	Pasam Gunasekhar	Pasam Guna
39	184M1A0244	Pedda Kuruva Siva Prasad	Pedda Siva
40	184M1A0245	Peramadugu Durga	P. Durga
41	184M1A0246	Prathapaneni Uma Chowdary	Prathapaneni Uma
42	184M1A0247	Ravuri Vamsi Krishna	Vamsi Krishna
43	184M1A0248	S Mounusha	S. Mounusha
44	184M1A0249	S P Bharath	S. P. Bharath
45	184M1A0250	S Rahul	S. Rahul
46	184M1A0251	Sunku Venkata Lavanya Kumari	Sunkum
47	184M1A0252	T Manisha	Manisha
48	184M1A0253	Telagamchetty Gowtham	Gowtham
49	184M1A0254	Thota Shobharani	Shobha
50	184M1A0255	V Nikitha	V. Nikitha
51	184M1A0256	V Sangeetha	V. Sangeetha
52	184M1A0257	Vallepu Mahesh	Mahesh
53	184M1A0258	Vaseelu Sai Ganesh	Sai Ganesh
54	184M1A0259	Veluri Indumathi	V. Indumathi
55	194M5A0201	Bagadi Mohan Krishna	B. Mohan Krishna.
56	194M5A0202	Chekuri Bhavya	C. Bhavya
57	194M5A0203	Gandham Pavan Kumar	Gandham Pavan Kumar
58	194M5A0204	R Sakthivel	R. Sakthivel
59	194M5A0205	Satam Rajesh	Satam Rajesh
60	194M5A0206	Thumburu Dinesh	Dinesh

PRINCIPAL  
VEMU INSTITUTE OF TECHNOLOGY  
P. KOTHAKOTA - 517 112

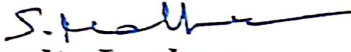


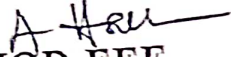
# VEMU INSTITUTE OF TECHNOLOGY: P. KOTHAKOTA


Chittoor-Tirupathi National Highway, P.Kothakota, Near Pakala, Chittoor (DL), AP - 517112  
(Approved by AICTE, New Delhi. Affiliated to JNTUA, Anantapur. Recognized Under 2(f) & 12(B) of  
UGC Act. Accredited by NAAC and NBA (CSE, ECE&EEE) & An ISO 9001:2015 Certified Institute)

## Department of Electrical and Electronics Engineering

61	194M5A0207	Medasani Bhuvanesh	M. Bhuvanesh
62	194M5A0208	S Kavya Sree	S. Kavya Sree

  
Faculty In-charge

  
HOD-EEE  
HEAD  
DEPARTMENT OF EEE  
VEMU INSTITUTE OF TECHNOLOGY  
P, KOTHAKOTA - 517 112

  
- PRINCIPAL  
VEMU INSTITUTE OF TECHNOLOGY  
P. KOTHAKOTA - 517 112



# VEMU INSTITUTE OF TECHNOLOGY:: P.KOTHAKOTA

Chittoor-Tirupathi National Highway, P.Kothakota, Near Pakala, Chittoor (Dt.), AP - 517112  
(Approved by AICTE, New Delhi. Affiliated to JNTUA, Anantapur. Recognized Under 2(f) & 12(B)  
of UGC Act. Accredited by NAAC and NBA (CSE, ECE& EEE) & An ISO 9001:2015 Certified Institute)

Department of Electrical and Electronics Engineering

## Seminar Report

Title : PID Temperature Controller  
Date : 26-02-2022  
Resource Person : Mr. S. Murali Mohan  
Targeted Group : IV EEE

### Objective: -

The main objective of this Seminar is to provide the information about PID temperature control. It is a loop control feature found on most process controllers to improve the accuracy of the process. PID temperature controllers work using a formula to calculate the difference between the desired temperature setpoint and current process temperature, then predicts how much power to use in subsequent process cycles to ensure the process temperature remains as close to the setpoint as possible by eliminating the impact of process environment changes.

PID temperature controllers have enhanced capabilities which allow them to operate multiple loops that relate to each other, rather than each loop operating discreetly under central control.

He explains Multi-Zone Temperature PID Control also. Multiloop PID temperature controllers are also valuable for managing multi-zone processes in which there is a single process to be managed, but the heating element is so large there can be temperature discrepancies between one area and another.

### OUTCOME: -

- More than 65 EEE students benefited by this Seminar.
- The students understood the following concepts
  - ❖ History of PID Temperature Controllers
  - ❖ Different Tuning Methods for PID Controllers
  - ❖ Multi-Zone Temperature PID Control

*S. S. S. S.*  
Faculty Incharge

*V. M. M.*  
PRINCIPAL  
VEMU INSTITUTE OF TECHNOLOGY  
P. KOTHAKOTA - 517 112

*A. A. S. S.*  
HOD-EEE  
HEAD  
DEPARTMENT OF EEE  
VEMU INSTITUTE OF TECHNOLOGY  
P. KOTHAKOTA - 517 112



# VEMU INSTITUTE OF TECHNOLOGY:: P.KOTHAKOTA

Chittoor-Tirupathi National Highway, P.Kothakota, Near Pakala, Chittoor (Dt.), AP - 517112  
(Approved by AICTE, New Delhi. Affiliated to JNTUA, Anantapur. Recognized Under 2(f) & 12(B)  
of UGC Act. Accredited by NAAC and NBA (CSE, ECE& EEE) & An ISO 9001:2015 Certified Institute)  
Department of Electrical and Electronics Engineering

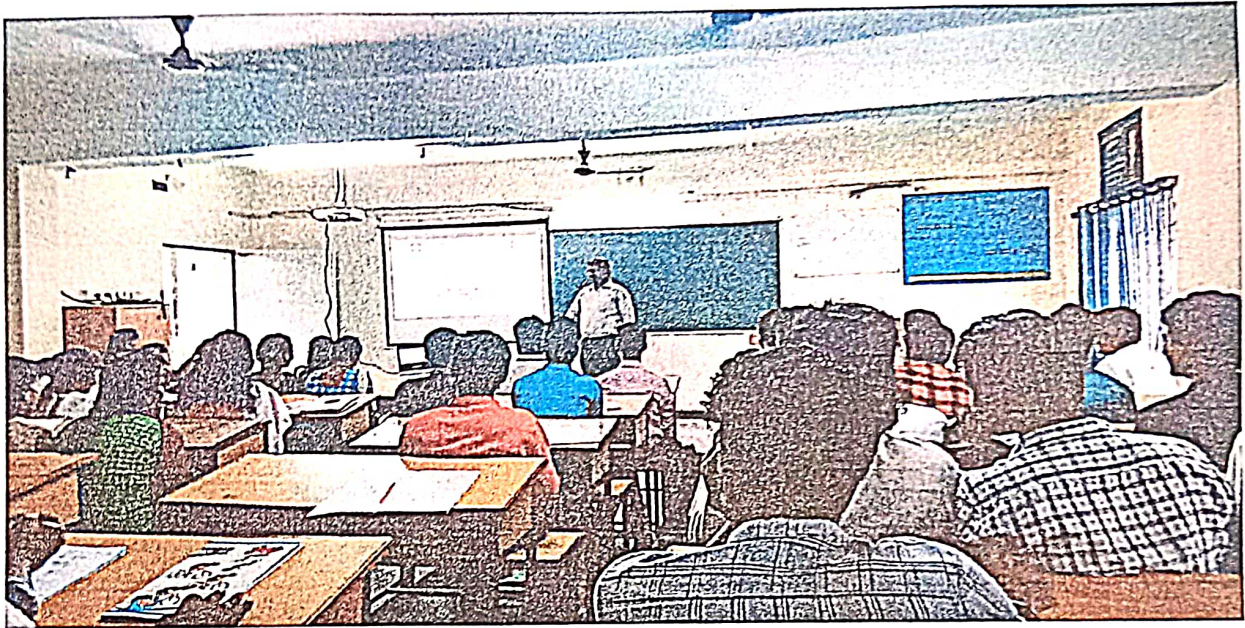
## SEMINAR PHOTOS

Title: PID Temperature Controller (MOU Activity)

Date: 26-02-2022

Resource Person: Mr S.Murali Mohan

Year: IV EEE



*S. Murali Mohan*  
Faculty Incharge

*A. H. Reddy*  
PRINCIPAL  
VEMU INSTITUTE OF TECHNOLOGY  
P. KOTHAKOTA - 517 112

*A. H. Reddy*  
HOD/EE  
DEPARTMENT OF EEE  
VEMU INSTITUTE OF TECHNOLOGY  
P. KOTHAKOTA - 517 112