



# DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY

APPROVED BY AICTE & AFFILIATED TO ANNA UNIVERSITY, CHENNAI

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## Department of Electrical and Electronics Engineering

[www.dgct.ac.in](http://www.dgct.ac.in)

## 2020-2021 Newsletter Even Sem



for more info

☎ **98940 36070**



Opposite Salem Airport,  
Sikkanampatty (po), Omalur (Tk),  
Salem - 636 309

## About Department:

### VISION

The department of electrical and electronics engineering is intended to establish a proficient hub for producing a highly competent Electrical Engineers by imparting effective teaching learning process to meet the rapidly transforming technical scenario.

### MISSION

- ✓ To engender outstanding electrical technocrats for industry demand by research and industry collaboration.
- ✓ To train the students with interpersonal communication, ethical teamwork and time management.
- ✓ To equip the students with technical knowledge in critical problem solving and analytical skills.

### HOD PROFILE

- ✓ Dr.P.Selvakumar, Professor & Head, Department of Electrical and Electronics Engineering has got 15 years of teaching experience, in various reputed Institutes from 2007 onwards.



- ✓ He received B.E., degree from the CIT, Coimbatore in 20015, M.E., degree in (AE) & Ph.D., degree from Anna University Chennai, India in 2007 and 2014 respectively.
- ✓ He has published papers in 6 International Journals and 7 International & National Conferences.
- ✓ He is a active Reviewer in Automation and control Journal
- ✓ He is a life member of Indian Society for Electrical Engineering(IAEMP) & International Association of Engineers (IAENG) Hong Kong. His field of interest is Renewable Energy and E Mobility.
  - ✓ Technical Education (ISTE) & International Association of Engineers (IAENG) Hong Kong.
  - ✓ His field of interest is Power electronics applications in renewable energy sources.

## DEPARTMENT LABS:



Electrical Machines – I & II Lab



Power Electronics & Drives Lab



Control & Instrumentation Lab



LED Fabrication and Testing Lab



Renewable Energy Lab



## Industrial Drives & Renewable Energy Systems

### Objectives:

- Create in-depth knowledge and understand the Renewable Energy Generation
- Use modern converters to develop energy efficient drives.
- To facilitate research and research based knowledge sharing
- Undertake industrial research projects for drives and control.

### Major Equipments:

- TMS320F28335ezDSP kit
- X-Tronic 5040-XR3 Soldering Station Unit
- BLDC Motor with Driver & Digital Storage Oscilloscope
- Solar Grid-Tie Inverter – 3 Nos
- Total Installed Capacity is 25KW



### List of Activities:

- Conduct Value Added Programs and Workshops for under graduates
- Project development and contest promotion for under graduates.
- Undertake industrial consultancy for advance variable frequency drives.
- Conduct symposium/conference and publish articles into journals.
- Student assistantship for internship and placement.

**Chief Coordinator:** Dr.R.Manikandan, AP/EEE 9944270473

**Coordinator:** Mr.R.Saravanan, AP/EEE

## LED Luminaries, Fabrication and Testing

### Objectives:

- Understand the LED fabrication and testing methods
- Use advance tools for fabrication and testing
- To facilitate research and research based knowledge sharing
- Design and Development of LED drivers.
- Undertake industrial research projects for LED luminaries

### Major Equipments:

- Testing & Calibration Unit
- Power & Power factor Measurement Guard
- LED circuit board, Panel Case, Clamp fixing kit, Holding Case, Soldering kit & Tools.



### List of Activities:

- Conduct Value Added Programs and Workshops for budding engineers.
- Guest lecturers for enriching students with latest updates.
- Technical seminar on new research areas.
- Student assistantship for Entrepreneur.

**Chief Coordinator:** Dr.P.Selvakumar, Professor and Head/EEE 9790166058

**Coordinator :** Mr.P.Saravanakumar, AP/EEE

# Industrial Automation Using PLC

## Objectives:

- Create awareness and importance of industrial automation
- Use modern software tools to program in PLC
- To facilitate research and research based knowledge sharing
- Undertake consultancy for automation to industry



## Major Equipments:

- Siemens Logo PLC (8DI, 4DO, 4AI)
- Arduino Uno (at mega 328)
- Clamp meter
- Solid state relay

## List of Activities:

- Conduct Value Added Programs and Workshops for under graduate students.
- Guest lecturers for enriching students with latest updates.
- Conduct seminars, webinars with industry persons.
- Student assistantship for internship and placement.

**Chief Coordinator:** Mr.R.Saravanan, AP/EEE 9025506128

**Coordinator:** Mrs.A.K.Sowmya, AP/EEE

## STUDENT EXTRA-CURRICULAR ACTIVITIES:

S.No	Student Name	Year	Title Of the Program	College Name	Duration	Presented/ Participated/Awarded
1	Kandasamy S Manikandan G Yaazhini M	III	Project Expo	AVS Engineering College	07/10/2022	Participated
2	Naveen Kumar D Panneer Selvam G Mouli Murugan N Sabaridhinesh S Santhosh B Santhosh K Vishnuwaran S Thanishiq R Haricharan M	IV	Workshop	IIT, Hyderabad	05/11/2022 - 06/11/2022	Participated

## STUDENT CO-CURRICULAR ACTIVITIES:

S. No	Student Name	Year	Title	College Name	Participated/Awarded
1	Padmanaban.T	II	Table Tennis	Govt College Of Engineering and Technology	2 <sup>nd</sup> Runnerup
			4*100 mtrs relay	Adhiyamaan college of engineering	2 <sup>nd</sup> Place
2	Sudharshun.K	III	Athletics 400mtrs	Adhiyamaan college of engineering	2 <sup>nd</sup> Place
			400 mtrs hurdles		
			4*100 mtrs relay		
3	Pradhip.V	III	200 mtrs	Adhiyamaan college of engineering	2 <sup>nd</sup> Place
			100 mtrs		
			4*100 mtrs relay		
4.	Nandhini.S	III	200 mtrs	Adhiyamaan college of engineering	2 <sup>nd</sup> Place
			4*100 mtrs relay		3 <sup>rd</sup> Place
5.	Sobiya	I	Discus throw	Adhiyamaan college of engineering	Participated
			Javelin throw		
6.	Mullai Kumaran.P	IV	Kho-Kho	Govt College Of Engineering, Bargur	2 <sup>nd</sup> Place

**INTERNSHIP DETAILS:**

S.No	Name of the Student	Year /Sec	Name of the Industry	Duration	Venue
1	Karthikeyan R	IV	Infac India Pvt Ltd, Chennai	21Sep 22 to 31Oct22	Chennai
2	Aswin P				
3	Mohan P				
4	Prakash V				
5	Madhan R S				
6	Sabaridhinesh S				
7	Kalaiyaran C				
8	Venkatesan K				
9	Vishnuwaran S				
10	Nagaraj T				
11	Santhosh K				
12	Thanishiq R				
13	Praveen M				
14	Rishiragul J				

**NAAN MUDHALAVAN**

Sl.No	Faculty Name	Course Name	Venue
1.	Dr.R.Manikandan	IOT	Sona College of Technolgy, Salem
2.	Dr.R.Saravanan	INDUSTRY 4.0	PSG institute of technology, Coimbatore.
		Electric Vehicles Charging System	PSG institute of technology, Coimbatore.
3.	Ms.N.Mekala	AR/VR	Sona College of Technolgy, Salem
4.	Ms.A.K.Sowmya	EVCS	Online

## FACULTY FDP ATTENDED:

Sl. No.	Name of the Staff with designation	Title of the Programme	Conducted By	Venue/ Sponsored by	Period
1	Ms.N.Mekala, AP/EEE	Emerging Trends in Electric Vehicles and Renewables(ETER-2022)	Sardar Vallabhbhai national institute of technology	Online	12.12.2022 to 16.12.2022
		Designing course outcomes and outcomes-focused questions	Inpods Ed-tech		
2	Ms.R.Manjupriya, AP/EEE	MATLAB for Electrical Engineers	Alagappa chettiar govt college of engineering and technology	Online	01.08.2022 to 05.08.2022
		Recent trends in Electric Vehicles	PSN college of engineering and technology	Online	24.07.2022 to 29.07.2022
		Community based disaster risk reduction for biomedical waste management	Hindustan college	Online	23.08.2022 To 25.08.2022
		Emerging Trends in Machine Learning and Deep learning techniques	Madanapalle institute of technology and science	Online	02.01.2023 To 06.01.2023
3.	Dr.N.Thillakarasi, AP/EEE	Innovation Ambassador	AICTE	Online	01.08.2022



## ENGINEER'S DAY:

II,III and IV year EEE students have participated and displayed around 10 projects ,2 models and 6 poster on “**ENGINEER'S DAY** “ held at power electronics and drives and electrical machines laboratory on 29.09.2022



## ***STUDENT TECHNICAL ASSOCIATION – SCYPEE***

Department of EEE, had conducted Inauguration Programme for EEE students in AC Seminar hall on 27.08.2022, headed by our Dr.A.SELVARAJ, PRINCIPAL/DGCT,.Dr.P.SELVAKUMAR,HOD/EEE and Dr.N.THILLAKARASI,HOD/EEE.



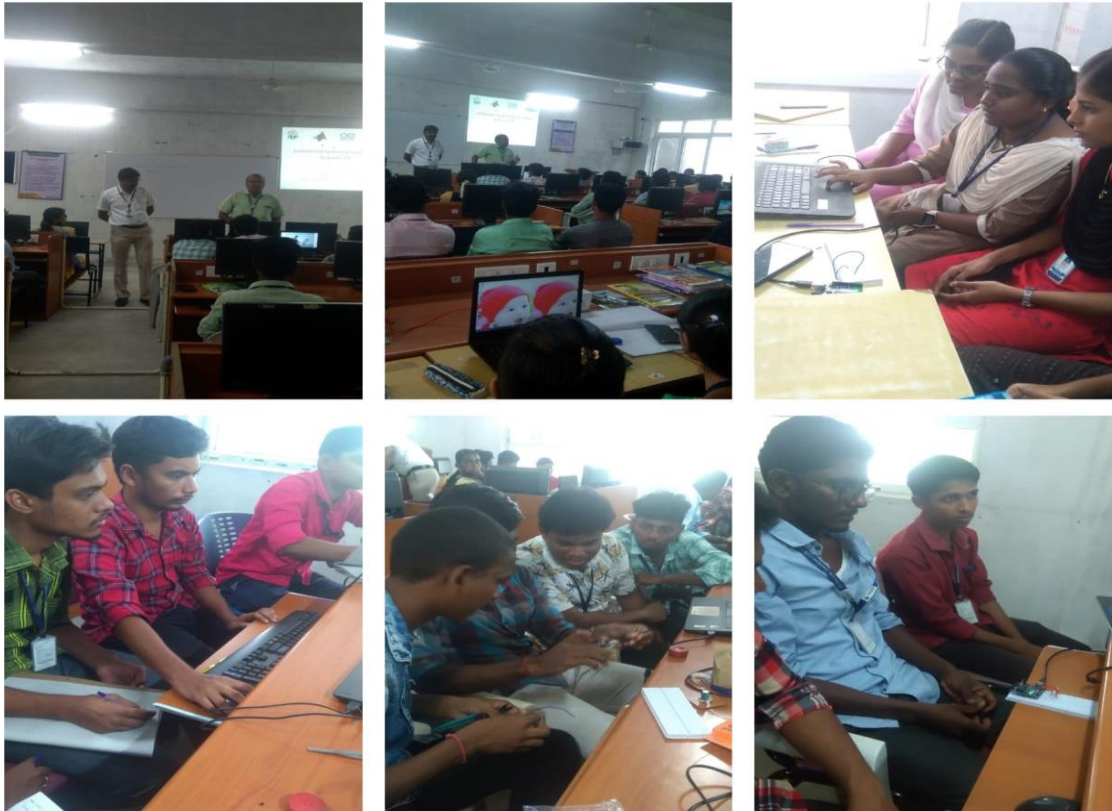
**INDUCTION PROGRAMME :**

12<sup>th</sup> induction programme was conducted to the first year students on 07.11.2022.



## VAP:

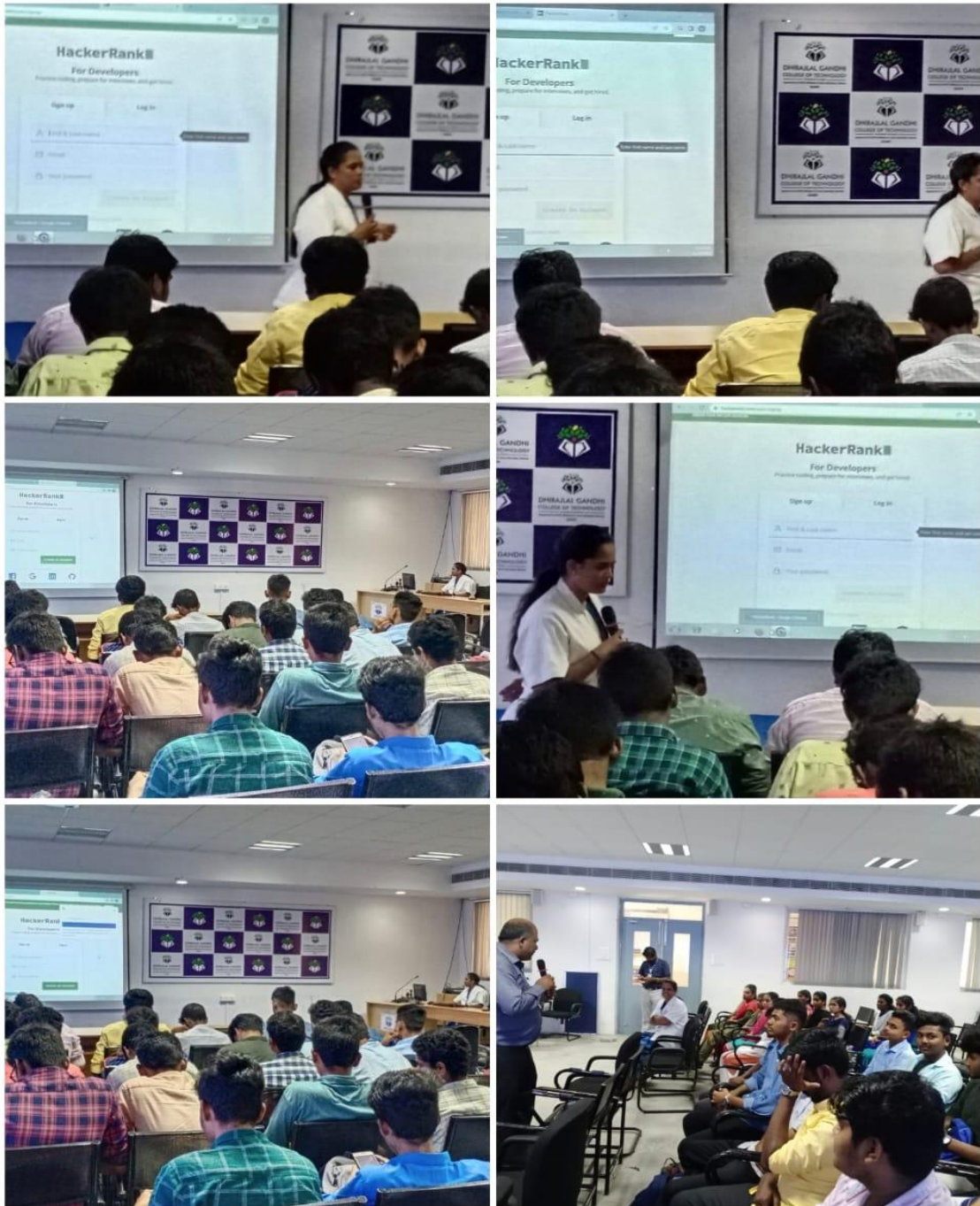
Department of EEE has shown interest in conducting a value added program on the topic Embedded System Design Using Arduino IDE for III year students in Power Systems Simulation Lab from 24.08.2022 TO 27.08.2022 , headed by Dr.P.Selvakumar, Dr.R.Manikandan & Mr.R.Saravanan.





## GITHUB & HAKERANK:

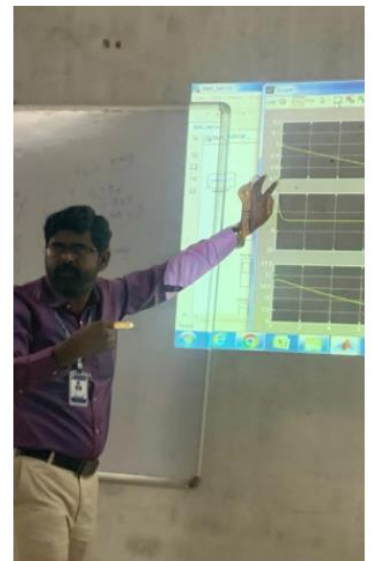
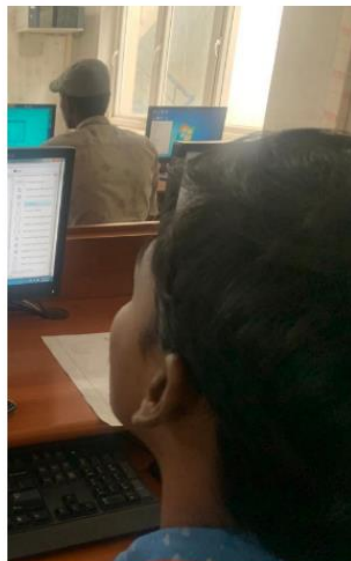
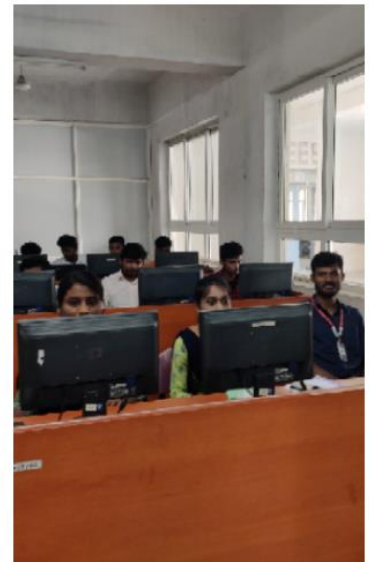
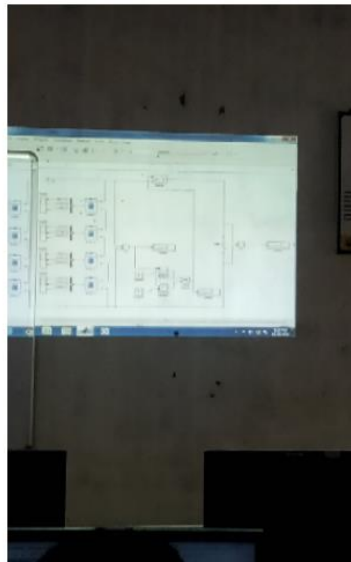
First year students had created account in GitHub and Hakerank. Dr.Vaijayanthimala, HOD/IT had interacted with the students about the sharing process.





## ***NAAN MUDHALAVAN PROJECT:***

Department of EEE, had conducted naan mudhalavan final test project for III and IV mechanical and EEE students in Power Systems Simulation Lab on 01.12.2022, headed by Dr.R.Manikandan,AP/EEE



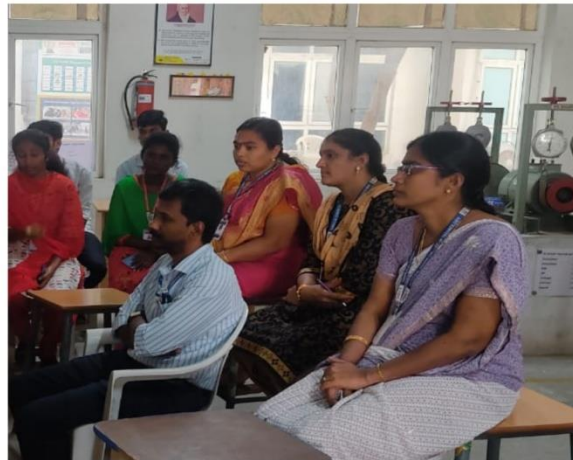
## PLACEMENT TRAINING SESSION:

Technical training session was conducted for **ECON SYSTEMS** placement drive in AC seminar hall on 01.12.2022, headed by Dr.R.Manikandan ,Dr.P.Selvakumar and Mrs.R.Manjupriya for our EEE and ECE students.



## CLASS COMMITTEE MEETING:

Class committee meeting was conducted for 1<sup>st</sup> year EEE students and staff on 09.01.2023, headed by Dr.P.Selva kumar,HOD/EEE and Dr.R.Manikandan, AP/EEE.



## ***AWARENESS PROGRAM:***

Department of EEE, has organized awareness session on opportunity in EEE department and regulations 2021 and placement offers





## ***PLACEMENT DETAILS:***

**2022-23:**

- ❖ 1 student got offer letter in TCS with 3.8 LPA



- ❖ 1 student got offer letter in AVASOFT with 5 LPA
- ❖ 1 student has been placed in JAY TECHNOLOGIES with 3 LPA
- ❖ 6 student has been placed in PROMHO with 1.8 LPA
- ❖ 3 student has been placed in Coromandel Electronics with 2.4 LPA

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