

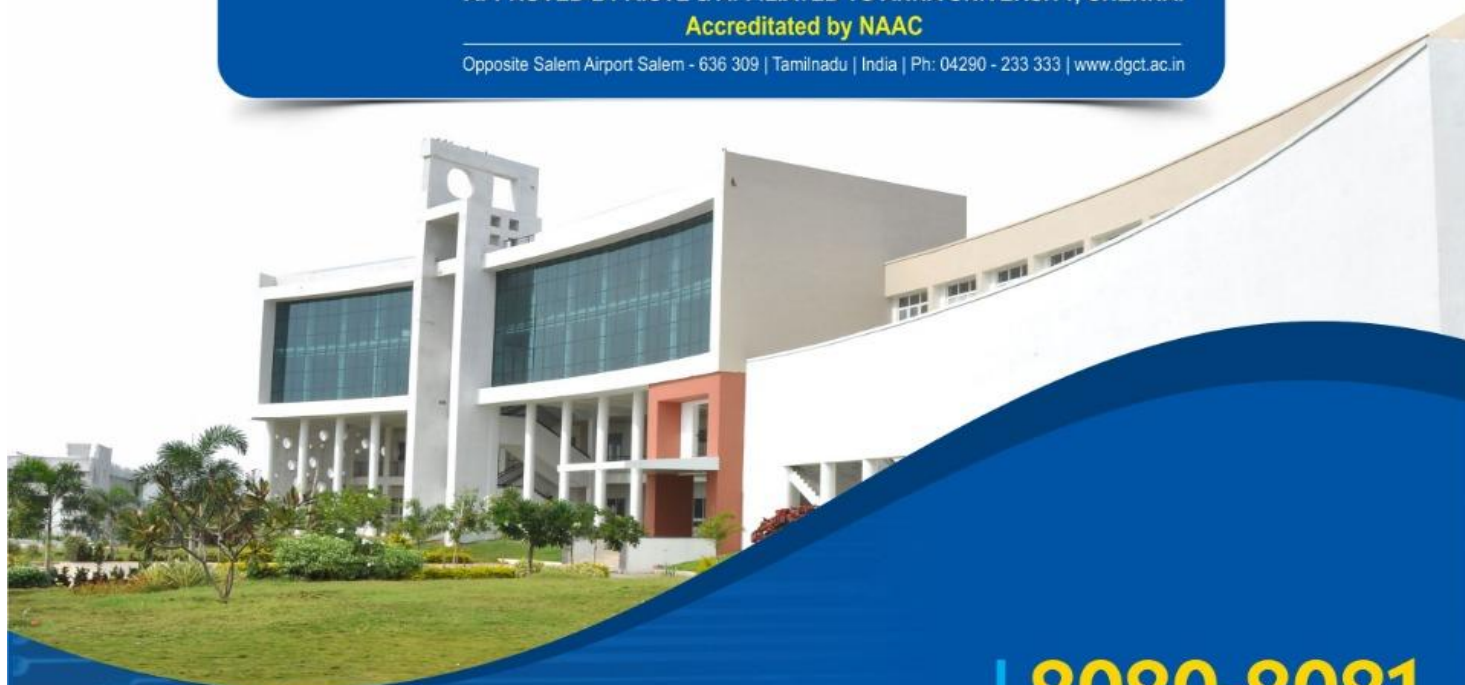


DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY

APPROVED BY AICTE & AFFILIATED TO ANNA UNIVERSITY, CHENNAI

Accredited by NAAC

Opposite Salem Airport Salem - 636 309 | Tamilnadu | India | Ph: 04290 - 233 333 | www.dgct.ac.in



Department of Electrical and Electronics Engineering

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

PYTHON GAME:

Our I EEE students Neelesh Kanna, Vikram and Rahul developed and presented “MINI SNAKE GAME” in front of Dr.R.Manikandan,AP/EEE on 5.2.2023 .



ALUMNI INTERACTION:

Mr.PANDARIRAJ alumni of our college, interacted with III year students about “PROBLEM SOLVING AND CRITICAL THINKING ” on 5.2.2023



PEDAGOGY TRAINING:

Pedagogy training given for all new joined faculty on 5.2.2023 by Dr.S.Venkatesh, IQAC director



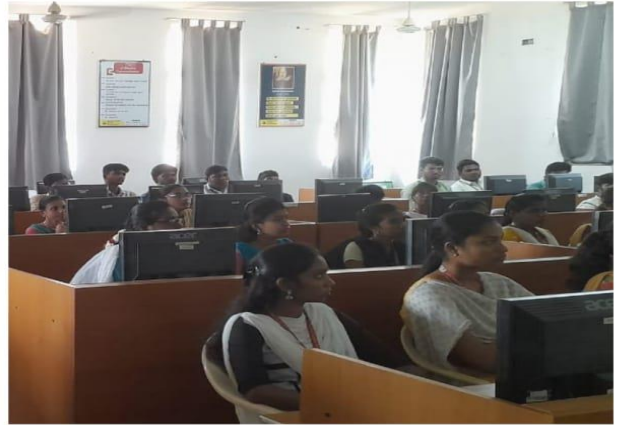
AIRPORT VISIT:

Dr.P.Selvakumar, Dr.R.Manikandan and Mr.R.saravanan visited salem airport on 2.2.2023.



WORKSHOP:

Workshop inauguration for our 3rd year and final year students "Achieving Problem- solution fit and Product-Market fit using AIMA Biz lab" & "Entrepreneurship skill, Attitude and Behaviour Development" on 06.02.2023.



ENTREPRENEURSHIP DEVELOPMENT PROGRAM:

Our I and II girl students have attended an interaction session on “industry linked labs with value added programmes in emerging technologies” on **08.02.2023**.



FACULTY FDP ATTENDED:

S.No.	Name of the Staff with designation	Title of the Programme	Conducted By	Venue/ Sponsored by	Period
1	Ms.N.Mekala, AP/EEE	Fault Analysis Of Induction Motor Using Labview	International Journal of Engineering Applied Sciences and Technology, 2022	Online	December 2022
		Workshop on "Emerging trends, Challenges and opportunities in wireless charging of electric vehicles "	SRM Institute of science and technology	Online	20.02.2023 To 25.02.2023
2	Mr.T.Jayabharathi, AP/EEE	Fault Analysis Of Induction Motor Using Labview	International Journal of Engineering Applied Sciences and Technology, 2022	Online	December 2022
3	Ms.R.Manjupriya , AP/EEE	Recent trends and innovations in electric vehicles	Sri Krishna college of technology, Coimbatore	Online	30.1.2023 to 03-02-23
4	Dr.R.Manikandan, AP/EEE	Embedded Systems	Naan Mudhalavan	Offline	13.2.2023 to 17.2.2023
		International Conference	SSN College of Engineering, Chennai.	Offline	23.03.2023
5	Mr.P.Saravana Kumar, AP/EEE	Electric Vehicles Charging System	Naan Mudhalavan	Offline	13.2.2023 to 17.2.2023
6.	Ms.M.Suguna, AP/EEE	Workshop on "Emerging trends, Challenges and opportunities in wireless charging of electric vehicles"	SRM Institute of science and technology	Online	20.02.2023 To 25.02.2023

		Webinar on “Power electronics for electric vehicles-2023”	SHREENIVASA engineering college	Online	24.02.2023
7.	Dr.P.Selvakumar,HOD/EEE	International Conference	SSN College of Engineering,Chennai.	Offline	23.03.2023

INDUSTRIAL VISIT:

One day industrial visit to “**METTUR THERMAL POWER PLANT STATION**” for II-year EEE students



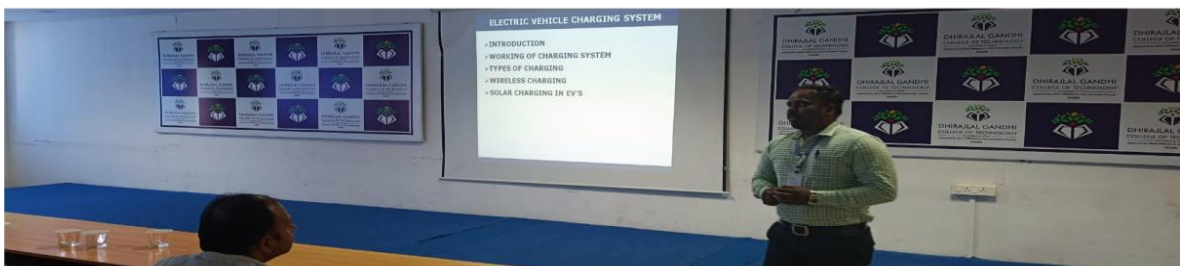
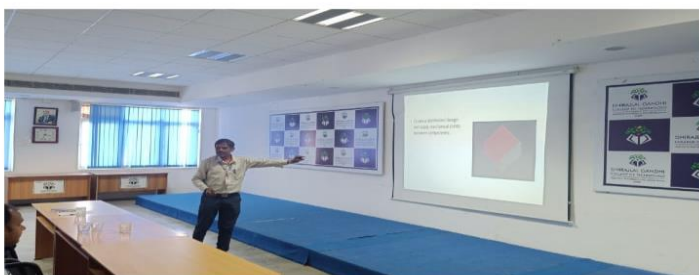
BOOK CLUB INAUGURATION:

DGCT Book club was inaugurated by “Mr.Velpari Natesan ” . Around 260 students were registered for book club

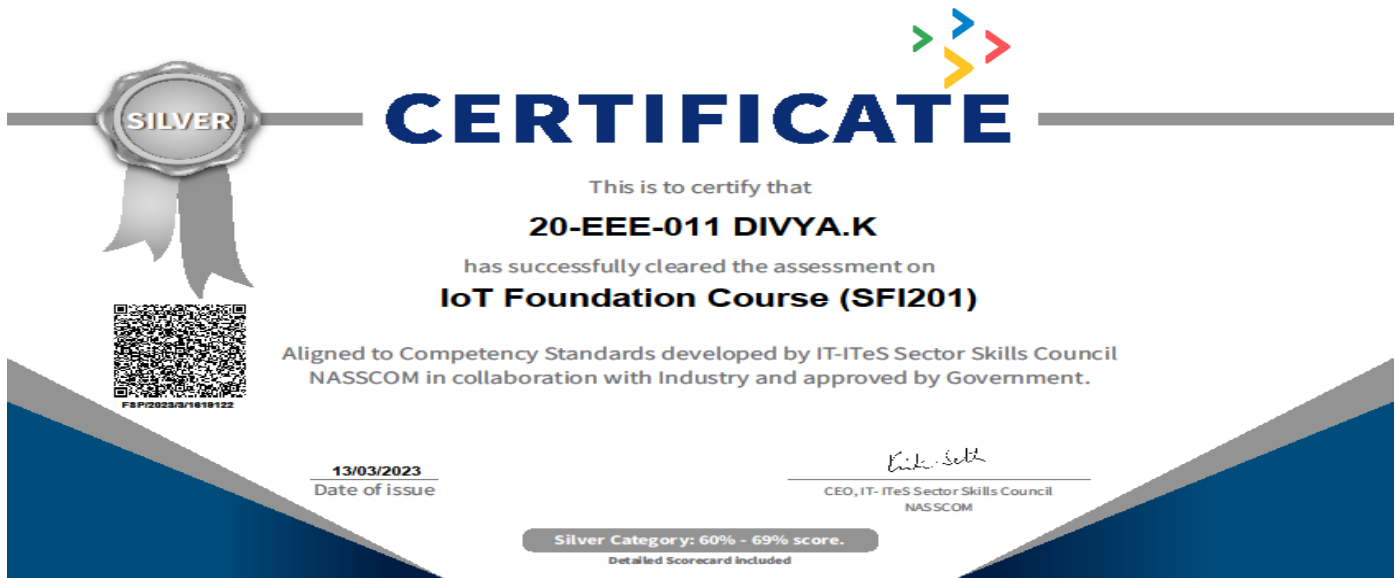


NAAN MUDHALAVAN :

NAAN MUDHALAVAN presentation by our faculty Mr.P.Saravana kumar on “electric vehicle charging system” on 25.02.2023



Our III year 6 students has cleared the final assessment and scored gold & silver category in naan mudhalavan “internet of things”



INTERNSHIP :

Final year students joined internship on 06.03.2023 in “**AMPHENOL OMNICONNECT INDIA PRIVATE LIMITED**”, Chennai.



CLASS COMMITTEE MEETING:

Class committee meeting is conducted for first, second, third and final year students on 06.03.2023 and 07.03.2023



WORKSHOP:

Our final year EEE students attended workshop on "DESIGN –THE FUTURE IF ENGINEERING" at Sona College of Technology on 17.03.2023



PLACEMENT DETAILS:

2022-23:

ELECTRICAL AND ELECTRONICS ENGINEERING-DGCT

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- ❖ 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 LP

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