



DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY

Approved by AICTE / Accredited by NAAC / Affiliated to Anna University

Opp. Salem Airport, Sikkanampatty, Omalur, Salem.

Tel. No: 04290-233 370, www.dgct.ac.in, E-mail id: hod.eee@dgct.ac.in



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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.

DEPARTMENT AT A GLANCE

- Number of Faculty :22
- Number of Faculty with Ph.D. :04
- Adjunct Faculty :02
- Total Number of Students :303

HOD PROFILE



Dr.S.Rajendran, Professor & Head, Department of Electrical and Electronics Engineering has got 15 years of teaching experience in various technical fields, in which he served as a Lecturer in MAHSA University, Malaysia for 2 years.

- ✓ He received Bachelor degree in EEE from the Government College of Technology, Coimbatore in 2001. He has obtained ME degree in Power Electronics & Drives and Ph.d degree from Anna University Chennai,India in 2007 and 2014 respectively.
- ✓ He has obtained his Ph.D degree in Anna University in 2014, India.
- ✓ He has published papers in 8 International Journals and 9 International & National Conferences.
- ✓ He is a active Reviewer in Brazilian Archives of Biology and Technology, BRAZIL and AMER Scientific Publishers, United States.
- ✓ He received the Innovative Technological Research & Dedicated Professional Award by Engineering Today, Malaysia. He also received the Best Outstanding Researcher Award from Thiru.V.Narayasamy / Chief Minister of Pudhucherry.
- ✓ He is a life member of Indian Society for Technical Education (ISTE) & International Association of Engineers (IAENG) Hong Kong. His field of interest is Power electronics applications in renewable energy sources

FACULTY TEAM

- Dr.S.Rajendran, M.E.,Ph.D., Prof & Head
- Dr.P.Selvakumar,M.E., Ph.D., Assoc.Prof
- Dr.T.Hariharan,M.E.,Ph.D.,Sr.Asst.Prof
- Dr.R.Manikandan, M.E.,Ph.D.,Asst.Prof
- Mr.G.Subramaniam, M.E., Asst.Prof

- Mr.R.Saravanan, M.E., Asst.Prof
- Mr.B.Sathyaseelan, M.E., Asst.Prof
- Mr.R.Vijayakumar,M.E.,Asst.Prof
- Mr.R.Perumal, M.E., Asst.Prof
- Mr.M.Rajasekar, M.E., Asst.Prof
- Mr.P.Saravanakumar, M.E., Asst.Prof
- Mr.V.Prakash, M.E., Asst.Prof
- Mr.S.Shanmugapriyan, M.E., Asst.Prof
- Ms.S.Hemalatha, M.E., Asst.Prof
- Mr.P.Praveenkumar, M.E., Asst.Prof
- Mr.J.Sureshbabu, M.Tech., Asst.Prof
- Mr.K.Rajeshkumar, M.E., Asst.Prof
- Mr.N.Venkatraman, M.E., Asst.Prof
- Ms.R. Senthamizhchelvi, M.E., Asst.Prof
- Ms.P.Parvatha Sundari, M.E., Asst.Prof
- Ms.M.Padmakani, M.E., Asst.Prof
- Ms.G.Shanmugapriya, M.E., Asst.Prof
- Mr.M.Sivakumar,B.E., Adjunct Faculty
- MR.G.Venkatesh,B.E.,Adjunct Faculty

DEPARTMENT LABS

- Electrical Machines – I & II Lab
- Control & Instrumentation Lab
- Power Electronics & Drives Lab
- Electrical simulation Lab
- Electric Circuits Lab
- Engineering Workshop
- LED Luminaries Fabrication & Testing Lab
- R & D Industry Supported Lab

FACULTY PUBLICATION

- International conference : 02
- International journal : 05
- Textbook publication : 02

PROGRAMMES ORGANIZED & ASSOCIATION ACTIVITIES

- ✓ One day Industrial seminar on “Problems on Milk Analyzer & Milk Dairy equipments.” by Mr.K.Saravanan, Director, MAHA MILK’O SYSTEMS., on 17.07.2017.

- ✓ One day Technical Interaction on “From Integrated Engineering to Integrated Operation.” by Mr.Thirumalai Kumar Murugaiah, Manager (Southern Region), SIEMENS, Chennai.on 07.08.2017.
- ✓ One day Motivational Talk on the topic “Making Industry Ready Engineers.” for the 3rd year EEE students by Mr.K.Parivallal, M.E., CEO,Diesel Machinery Works, (DMW), Erode on 06.07.2017.



- ✓ One day Guest Lecture on “Real time Simulation for Power Electronics and Power System Applications” by Dr.S.Rajendran, HOD/EEE & Dr.R.Manikandan, AP/EEE, DGCT/Salem on 20.07.2017



- ✓ Department of EEE is inaugurated the Student Technical Association, society of Creative and Young Powerful Electrical Engineers(SCYPEE) with the chief guest Mr.V.Venkatesh, vice president, SWELECT Energy Systems, Chennai on 10.08.2017



- ✓ Department of Electrical and Electronics Engineering is celebrated the Engineers Day with the chief guest Mr.T.Gopinath, Head-Installation & Training, NIRT Greentech, Salem on 31.08.2017 & 01.09.2017.
- ✓ Three days value added program on “Matlab /Simulink -for Electrical Simulation” for EEE students is conducted by Dr.R.Manikandan, Mr.G.Subramaniam, APs/EEE from 12.06.17 to 14.06.17



- ✓ Three days value added program on “Matlab / Simulink - for Electrical Simulation with Arduino Programming” for EEE students is conducted by Dr.S.Rajendran, HOD/EEE & Dr.R.Manikandan, AP/EEE from 22.06.17 to 24.06.17

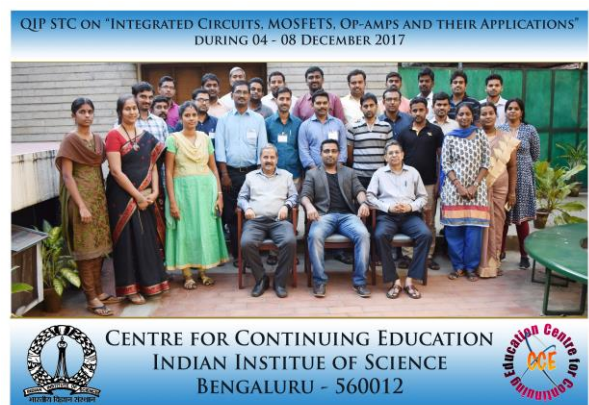
PROGRAMMES ATTENDED BY FACULTY

- ✓ Dr.S.Rajendran, Prof/EEE & Dr.R.Maniandan AP/EEE attended the five days QIP short term course on “Real- Time simulation for power electronics and power systems

Applications” organized by AICTE at IISC, Bangalore from 10.07.17 to 14.07.17



- ✓ Ms.S.Hemalatha, Ms.P.Parvatha sundari, Ms.R.Senthamizhchelvi, Ms.M.Padamakani, AP/EEE attended two days FDP on “Introduction to internet of things” organized by ICT academy, at DGCT salem from 10.08.17 to 11.08.17
- ✓ Ms.S.Hemalatha, AP/EEE attended three days FDP on “ARM Processor for Power Electronics” Organized by School of Electrical Engineering ,at VIT university, vellore from 13.10.17 to 15.10.17
- ✓ Ms.P.Parvatha sundari, AP/EEE attended the five days QIP short term course on “Integrated circuits, MOSFETs Op-Amp and their Applications” Organized by AICTE at IISC, Bangalore from 04.12.17 to 08.12.17



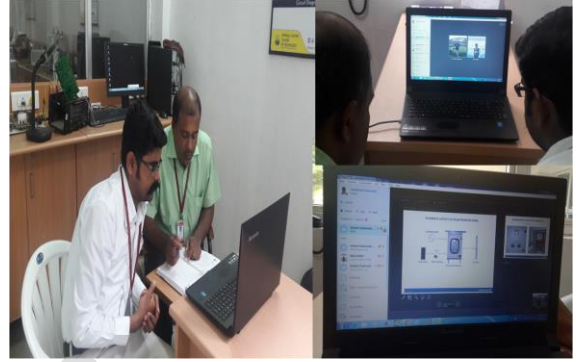
- ✓ Dr.S.Rajendran, HOD/EEE delivered the internal pedagogy training for the EEE faculty members on 22.11.17 & 06.12.17



- ✓ The faculty members of the department attended the internal faculty development program on “Electrical Machines, Drives and Control” handled by Dr.P.Selvakumar,ASP/EEE in simulation lab on 14.12.17



- ✓ Dr.S.Rajendran,Prof, Dr.P.Selvakumar, ASP, Dr.T.Hariharan,SAP, Dr.R.Manikandan, Mr.G.Subramaniam, Mr.B.Sathyaseelan, Mr.R.Saravanan, Mr.J.Suresh Babu, Mr.M.Rajasekar, attended the Industrial seminar on “Problems on Milk Analyzer & Milk Dairy Equipments” at Power Electronics lab on 17.07.2017
- ✓ Dr.P.Selvakumar,ASP & Dr.R.Manikandan, AP/EEE attend the skype meeting with Grundfos Pumps India Pvt Ltd. On 28.07.2017 (R & D program)



PROJECT PROPOSALS

Name of the Staff	Title of the Project	Sponsoring organization
Mr.M.Rajasekar AP/EEE	Campus Toilet Monitoring System	Swachh Bharat Hackathon 1.0
Dr.R.Manikandan AP/EEE	Motor Stator Failure Study.	Elgi Equipments, IIT PALS
Dr.R.Manikandan AP/EEE	Modified Low Cost Phase Converter for Rural Irrigation.	Gandhian Young Technological Innovation (GYTI) Awards

STUDENTS' IN-PLANT TRAINING

In the beginning of academic year 2017-18, totally 63 students were went to various industries in and around Tamil Nadu.





List of students attended in-plant training

S.No	Date	Name of student	Industry Name
1.	12.12.17 to 16.12.17	III – A S.Boopal R.Boopathi S.Gowtham R.Janarthanan E.Kalaiyaran	K.R.Thoppur Substation,S alem
	22.11.17 to 01.12.17	III – A N.Aishwarya P.Kirubha S.Dharshini S.Anees Fathima S.Koperundevi	
2.	11.12.17 to 14.12.17	III – A S.Ansar S.Mohankumar A.Ajaj Prasana K.Gokul K.John Manikandan	G5 Switchgear, Salem
3.	28.12.17 To 29.12.17	III – A S.Ansar	NIRT Renewable Private Limited, Salem
4.	07.12.17 To 10.12.17	III – A M.Ashika N.Priyadharshini C.Dharshanapriya S.Komaladevi A.S.Kaviya D.Geetha	Thumbipadi Substation, Salem
5.	11.12.17	III – A	Mettur

	To 15.12.17	N.Aishwarya R.Dhipshika S.Aneesfathima S.Koperundevi	Thermal Power Station-I, Salem
6.	13.12.17 To 17.12.17	III – B C.Srilekha M.Nivetha S.Mohana Priya	Tharamanga lam Substation, Salem
7.	27.11.12 To 02.12.17	III – B S.R. Nagarjunaa K.Prabhakaran J.Rajesh Kumar L.J.Susindran K.Mohanavel N.Srisudharsanan P.Premkumar	SAIL Refractory Company Limited, Salem
8.	07.12.17 To 09.12.17	III – B S.R. Nagarjunaa K.Prabhakaran J.Rajesh Kumar M.Yogeshwaran M.Ranjith	Megawin Switchgear Private Ltd., Salem
9.	18.12.17 To 22.11.17	III – A M.Asif K.Johnmanikanda n K.Gokul S.Ansar	JSW Steel Ltd, Salem
	21.11.17 To 23.11.17	III – A N.Divyadharshini A.S. Kaviya D.Geetha	
10.	17.08.17 To 22.08.17	IV- A&B G.Arul A.Elavarasan J.Jamir Ahamadhu J.Habibulla K.Jaya Kumar V.Lalithkumar R.Suresh S.Rajesh Kumar M.Naveen Kumar S.Vinoth Kumar M.Nagaraj A.R.Srinivasan K.Karthi Balaji R.Praveen Kumar	Chennai Port Trust, Chennai.

STUDENTS' INTERNSHIP

During the academic year 2017-18, totally 13 students were got internships for gaining the industrial working experience in and around Tamil Nadu

S.No	Date	Student Name	Industry Name
1.	18.09.17 to 20.09.17	IV - A M.Madhan Kumar T.Deva P.Arunnath B.Kabilarmani J.Jamir Ahamathu V.Lalith Kumar M.Gowtham	Alpha Associates, Coimbatore
		IV - B S.Rajesh Kumar N.Praveen Kumar S.R.Vignesh P.Venkattappan	
2.	02.09.17	III – B K.Prabakaran	ELGI Equipments, Coimbatore
3.	24.07.17 to 31.08.17	III - A F.Agnes Deepa	Ernst & Young (EY) GDS, Kochi, Kerala

STUDENTS' INDUSTRIAL VISIT

S.No	Date	Number of students and faculty	Industry Name
1.	14.12.17	II – A&B 43 students & 2 Faculties	NLC India Ltd, Neyveli
2.	02.09.17	III & IV - A & B 65 Students & 5 Faculties	VIKRAM SARABHAI SPACE CENTRE, Trivandrum



At NLC Pvt Ltd, Neyveli

STUDENTS PROJECTS /MODELS

- The department of EEE celebrates the Engineer's Day on 31.08.2017 and 01.09.2017, on that day the students of EEE displayed their projects and models what they have done.
- Projects/Model displayed -32

List of model winners

Model ID	Title of the Model/ Guided by	Student Name year & section	Prize
EE-MOD-11	GPS Monitoring and Control based System for fisherman boat/ Mr.B.Sathyaseelan, AP/EEE	III - B Meena.S Umamaheswari.D Preethina.V Vanmathi.K	I Prize
EE – MOD-03	Protection of wild animal from train near forest areas Mr.M.Rajasekar AP/EEE	II-B Srikanth.S Sridhar.S Vignesh.J Venkatesh.S	II Prize
EE – MOD-07	Stepped Doors in Locomotive / Mr.M.Rajasekar AP/EEE	III- A Loganathan.G Ansar.S Gokul.K Ajay Prasanna.A	III Prize

List of project winners

Project ID	Title of the project /Guided by	Student Name	Prize
EE - PR - 14	Solar Tree/ Mr.R.Saravanan AP/EEE	II,III,IV-EEE A&B Sadhasivam.V Parathasarathy.B.S S.Tamilselvan Jayabharathi.T D.Kathirvel Cornelius .K G.Tamilselvan B.Madhan Babu R.Prakash V.Sweatha	I
EE - PR - 05	Low cost Air cooler/ Mr.M.Rajasekar AP/EEE	II- B Kathir.B Shafi.B Tamil selvan.G Shankar Raj.R Saravana kumar.D	II
EE - PR - 01	Voice Controlled Home Automation Using Arduino and Bluetooth Dr.R.Manikandan AP/EEE Mr.N.Venkatraman AP/EEE	Sethuraman.C Karthik Raj.B Hari Prasath.M	III
EE - PR - 02	Obstacles Alerting System for Blinds Dr.R.Manikandan AP/EEE	Aasvidhakeerthi.R Jananya.S Gomathinayagi.M	III

SPORTS ACHIVEMENT

In the academic year 2016-17, students of EEE department participated in the various sports events held at reputed institutions in & around Tamil Nadu.

S. No	Name of the student	Organized by/ Institution at	Event	Awards
1	C.Prapanjani III EEE B	Shanmugavel mahal, Palani	Weight Lifting champion 2017	3 rd prize

ACADEMIC TOPPERS

S. No	Year	Sec	Name of the student	CGPA
1.	IV	A	KAVYA M	8.28
		A	GOWTHAM N	8.09
		B	PRIYADHARSHINI.J	8.08
2.	III	B	SARANYA P B	8.56
		A	KOMALADEVI S	8.45
		A	BOOPATHI R	8.19
3.	II	A	H.ABU BAKKER SIDDIQ	8.14
		A	J.SHRIMATHI	8.13
		B	KEERTHIGA N	7.8

PLACEMENT DETAILS

In the academic year 2017-2018, 49 students placed in the below following industries

Sl. No.	No. of Students placed	Name of the Organization
1.	16	ALPHA ASSOCIATES
2.	6	JACK ENTERPRISES
3.	3	DECCAN Energy Solutions
4.	4	3W Innovation
5.	1	SREE RENGARAAJ STEELS
6.	10	KIML
7.	8	Mitsuba Sical India Pvt Ltd, Chennai
8.	5	JBM Group

STUDENTs EXTERNAL PROJECT

Sl. No	Name of the Student(s)	Name of the Guide	Title of the Project	Sponsoring Agency	Amount Sanctioned	Status Ongoing/ Completed
1	M.Gokul S.Komala Devi S.Srikanth B.Shafi	Mr.M.Rajasekar AP/EEE	Artificial Intelligent based Aqua Monitoring Bot.	PALS IIT MADRAS	Rs.5000/-	On Going

CO-CURRICULAR ACHIEVEMENTS

In the academic year 2017-18 , totally 42 students were participated in various events held at reputed institutions in & around Tamilnadu.

S.No .	Date	Name of the Students	Year & Section	Title of the Programme	Name of the Organization	Presented/ Participated / Awarded
1.	07.09.17 to 09.09.17	J.Jamir Ahamathu G.Arul K.Jaya Kumar	IV & A	Project Design Contest – FUTURA'17	Bannari Amman Institute of Technology, Sathyamangalam	Participated
		K.John Manikandan M.Asif S.Ansar	III & A			
2.		S.R.Viknesh	IV & B	Paper Presentation		
3.		J.Rajeshkumar K.Prabakaran K.Mohanavel M.Yogeswaran	III & B	Workshop on "Industrial Application Monitoring And Control using IOT"		
4.	04.09.17 to 05.09.17	R.Shankari V.Sandhiya	IV & B	Workshop on "Power Management using PMLK Series"	Muthayammal Engineering College, Rasipuram	Participated
5.	31.08.17 to 01.09.17	A.Vilasini C.Prapanjani	III & B	National Seminar on "Role of Power Electronic Converters in Distributed Generation and Microgrid"	TRP Engineering College, Trichy	Participated
6.	30.08.17 to 31.08.17	R.Boopathi S.Boopal S.Gowthamen	III & A	Workshop on "Recent Trends and Challenges in IOT for Industrial Applications"	M.Kumarasamy College of Engineering, Karur	Participated
7.	31.08.17	M.Yuvaraj	II & A	Paper Presentation (Next Generation Renewable Energy Sources)	Gnanamani College of Technology, Namakkal	Awarded (II Prize)
8.	30.08.17	M.Yuvaraj	II & A	Paper Presentation (Giving Vision to Blind People using Bionic Eye)	Erode Sengunthar Engineering College, Perundurai	Presented
9.	27.08.17	B.Manoj Sendhas	II & A	Hands on Workshop on "Advanced Robotics"	TOP ENGINEERS, Chennai	Participated

10.	17.08.17	Abu Bakker Siddiq R.Aasvidhakkeerthi S.Komala Devi C.Prapanjani	II & A II & A III & A III & B	Idea Presentation Contest (Youth Talk 2017)	ICT ACADEMY	Participated in Regional Pre-Finals
11.	16.08.17	S.Gowthamen	III & A	Hands on Training on “Basics of Electrical & Electronics Concepts”	LIVE Wire, Salem	Participated
12.	12.08.17	M.Nivedha S.Mohanapriya	III & B	Paper Presentation (Wave Power Conversion System for Electrical Energy Production)	Kongunadu College of Engg. & Tech., Namakkal	Presented
13.	12.08.17	M.Shanmugapriya A.Vilasini	III & B	Paper Presentation (Speed Control of DC Motor using Pulse Width Modulation)	Kongunadu College of Engg. & Tech., Namakkal	Presented
14.	12.08.17	M.Yuvaraj	II & A	Paper Presentation (Nano-Leaves Electricity)	Kongunadu College of Engg. & Tech., Namakkal	Awarded (III Prize)
15.	05.08.17	J.Vignesh B.Rahul B.Sridhar S.Sridhar B.Shafi G.Tamilselvan	II & B	Hands on Training on “Mobile Phone Repairing and Servicing”	MIT Polytechnic College, Mettur Dam.	Participated
16.	02.08.17	R.Monisha S.Vigneswari@Vidhya M.Priyadarshini B.Priyadarshini S.Ramya	IV & B	Hands on Training on “Modeling of Special Electrical Drives using MATLAB”	K.Ramakrishnan College of Technology, Trichy	Participated



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Website: www.dgct.ac.in**

Editor-in-Chief

**Dr.S.Rajendran, M.E., Ph.D., MISTE., IAENG(HK).,
Professor & Head / EEE
hod.eee@dgct.ac.in**

Associate Editors

**Mr.V.Prakash, M.E.,
Assistant Professor /
EEE**

prakash.eee@dgct.ac.in

**Mr.M.Rajasekar, M.E.,
Assistant Professor / EEE**

rajasekar.eee@dgct.ac.in

Student Editors

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