

# DEPARTMENT OF ELECTRICAL ENGINEERING

Departments and their Achievements

## ACTIVITY REPORT

(2018-19)



**GOVERNMENT ENGINEERING COLLEGE PALAKKAD**

## **VISION OF THE INSTITUTE**

Excellence through the wings of science and technology

## **MISSION OF THE INSTITUTE**

To transform youth to talented engineers with creativity and integrity who can meet the technological challenges for the service of society.

## **VISION OF THE DEPARTMENT**

To become a Centre of Excellence in Electrical Engineering and allied disciplines for the service of the society.

## **MISSION OF THE DEPARTMENT**

- To impart high quality education to meet the challenges in the field of Electrical and Electronics Engineering.
- To nurture creativity and transform the young minds to become competent electrical engineers.
- To inculcate a sense of commitment to ethical values and a passion to serve the society.
- To foster research, innovation and entrepreneurship skills.

## Result Analysis

### BTech (Academic Year 2018-19)

Batch	Sem	No. of students	Pass percentage						
			Boys	Girls	SC	ST	OBC	General	Total
2k18	S1	62	30	31.82	0	0	17.2	75	19
2k18	S2	--	--	--	--	--	--	--	--
2k17	S3	61	18.18	42.86	0	-	32	40	29.5
2k17	S4	61	36.36	71.43	33.33	-	54	60	52.46
2k16	S5	66	39.47	72.72	40	-	41.07	100	50
2k16	S6	66	34.21	68.19	0	-	53.57	100	46.67

### Students Achievements (Academic Year 2018-19)

1	Arya M, Kavya Bharathi and Nima N M secured First price in Thiruvathira for Sanskriti 2019 held at M.A.C Kothamangalam.
2	Mohammed Niyas K T, Mohammed Abdul Fathah M, Ribin Shaj and Abdul Basith, secured secured Third Prize in Vattappattu for Sanskriti 2019 held at M.A.C Kothamangalam.
3	Akarsh S, Akhil K, Akshay N S was Runner up for KTU E-Zone Cricket Tournament.
4	Chindumol Babu, Aneesha P R, secured First price in Nadanpattu for Sanskriti 2019 held at M.A.C Kothamangalam.
5	Aneesha P R won the KTU E zone Volley ball tournament 2018.
6	Anoop Chandra of S5EE Secured O grade in all 4 semesters of First and Second Year in Mathematics- Mathematics Topper.
7	Akhil P V, Sachin K S, Midhun Mohan & Kannan C Manoj of S5EEE Secured Second prize for Cricket in the E- zone level meet.
8	Swetha S of S5 EE and their team secured First prize for the Basket ball Competition in the E- zone level meet.
9	Swetha S, Fahmida M, Mahima K of S5EE and their team Secured First prize for Basket ball in Year wise Championship at GEC Palakkad.
10	Midhun Mohan and Swetha S of S5EE Secured Second prize for Mime in Inter Engineering College Kalotsav.
11	Gopika M P and Sravan Chandran Secured Third prize for KSEB Engineers Association Seminar Competition held in March 2018.

### Training Programs attended

SNo	Name of Faculty	Training program Details
1	Dr. Vinita Chellappan	'Capability Enhancement Training for Staff Advisors' under FSDTC , 16-21, July 2018 at Government Engineering College, Thrissur.
2	Dr. Vinita Chellappan	'Power Semiconductor Devices for Power Electronic Converters', 23- 27, July, 2018 at the Department of Electrical Engineering, IISc , Bangalore.
3	Prof. Abdul Kareem Puthiya Veetil	Laboratory experiments in Mechanical engineering sponsored by TEQUIP II Four funds organised by ME Department, GEC Sreekrishnapuram from 21-01-2019 to 23-01-2019
4	Prof. Abdul Kareem Puthiya Veetil	Advances and applications of CFD sponsored by TEQUIP II Four funds organised by ME Department, GEC Sreekrishnapuram from 25-03-2019 to 27-03-2019.

### Faculty Contributions

1	Dr. Vincent G	Session Chair and Keynote address - "International Conference – Global Colloquium on Recent Advancements and Effectual Researches in Engg, Science and Technology (REAREST 2018)", on 21 <sup>st</sup> Apr. 2018 St. Joseph's College of Engg. and Tech, Palai
2	Dr. Vincent G	Session Chair - 4 <sup>th</sup> Kerala Technological Congress – KETCON 2019, 16 Feb. 2019 GEC Thrissur
3	Dr. Vincent G	Expert talk - FSD on Recent Trends in Power Electronics and Control on 13 Dec. 2018 GEC Thrissur
4	Prof. Jose Sebastian T K	IEEE- WIE Technical talk on "Electric Vehicles", 27 <sup>th</sup> March 2019.

### Events Organised (VFS, Expert talk)

Sl. no	Co-ordinator(s)	Event Details
1	Dr. Vincent G	“ Electrical Engineering Everywhere – Challenges and Oppurtunities” , Expert tak by Dr. Arvind Ajoy, Dept. of Electrical Communication Engineering, IIT Palakkad on 26 <sup>th</sup> February 2019.
2	Dr. Vinita Chellappan	“ <i>Control Applications in Real Life</i> ”, Visiting Faculty Program by Prof. Abraham T Mathew, NIT Calicut on 14 <sup>th</sup> September 2018.
3	Dr. Vinita Chellappan	“ <i>Emotional Intelligence</i> ” Visiting Faculty Program by Poulouse, Prof and Head of Dept. of Geology, Rajagiri Institute of Science, Kalamassery, on 4 <sup>th</sup> and 5 <sup>th</sup> of February 2019.
4	Dr. Vinita Chellappan	“ <i>Effective Technical Communication &amp; Group Discussion</i> ”, Visiting Faculty Program by Mr. Mohzin Mohammed, ‘Think and Learn Pvt. Ltd., Byju’s App on 4 <sup>th</sup> and 5 <sup>th</sup> February, 2019.
5	Dr. Vinita Chellappan	“ <i>Advancement in Indian Space Tecnology</i> ”, Visiting Faculty Program by Dr. V. R. Laithambika, Director, Directorate of Human Space Flight Programme, ISRO, Bangalore on 24 <sup>th</sup> February 2019.
6	Abdul kareem Puthiya veetil	Expert talk on “ <i>Electrical safety</i> ” By Sri. Noufal P, Assistant Electrical Inspector, Electrical Inspectorate, Palakad on 04-02-2019

### Publication by the Faculty and students

Sl. No	Publication Details
1	<i>Control of wave propagation response using quasi crystals: A formulation based on spectral finite element.</i> V. Chellappan, S. Gopalakrishnan and V. Mani, Mechanics of Advanced Materials and Structures (Taylor & Francis), Vol. 22, pp.1537-6494, 2018.



**Control Applications in Real Life** by Prof. Abraham T Mathew, NIT Calicut  
(14<sup>th</sup> September 2018)



**Emotional Intelligence** by Poulose, Prof and Head of Dept. of Geology,  
Rajagiri Institute of Science, Kalamassery.

(4<sup>th</sup> and 5<sup>th</sup> February 2019)



**Electrical Maintenance and Research Club Inauguration by Mr. Naufal P, Electrical Inspector**

(16<sup>th</sup> February 2019)



**Talk on 'Electrical Safety' by Mr. Noufal P, Electrical Inspector**

(16<sup>th</sup> February 2019)



EEE Association **Logo launch** by Dr. Vincent G, HOD (EEE)  
(25<sup>th</sup> February 2019)



Dr. Arvind Ajoy, IIT Palakkad inaugurating the **EE Association**  
(26<sup>th</sup> February 2019)





Prof. Jose Sebastian T K on 'Electrification in the Transport section'  
(29 March 2019)