

GOVERNMENT ENGINEERING COLLEGE PALAKKAD, SREEKRISHNAPURAM

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACTIVITY REPORT 2023-2024

I. MAJOR MILESTONES

M.Tech in IoT is sanctioned to ECE department by Higher Education Department, Government of Kerala vide order No. 665/2023/HEDN, Thiruvananthapuram dated 29/11/2023.

II. STUDENTS ACHIEVEMENTS

1. Outstanding **NPTEL** achievement
 - Sangeetha C N and K S Syamkrishna of B.Tech ECE (2021-2025 batch) were awarded Elite Silver certificate for completing course on 'Internet of Things'.
 - Adithya Mohan S of B.Tech ECE (2022-26 batch) was awarded Elite Golden Certificate and Surya of 2022-26 batch was awarded Elite Silver Certificate for completing 'Introduction to Internet of Things'.
2. Sourav K C and Chithira M of B.Tech ECE (2019-23 batch) were the **State Level Winners of YIP 4.0** (Young Innovators Programme 4.0) with the theme Fisheries, conducted by K-DISC (Kerala Development and Innovation Strategic Council).
3. **Fifty nine percent** of students of B.Tech ECE (2019-23 batch) placed with an average pay package of 2.7 lakh per annum.
4. Naveen S Menon, Adwaith Pushpajan and P Sruthi of B.Tech ECE (2020-24) Batch won second prize in college level **IDEATON 24** organized jointly by IETE Palakkad and BSNL Palakkad.



Naveen S Menon, Adwaith Pushpajan and P Sruthi of S8 ECE receiving prize from BSNL authorities

5. Naveen Menon, Hridya T V, P Sruthi and Adwaith Pushpajan of B.Tech ECE (2020-24 batch) achieved second position out of 112 teams in the **District Level Ideathon** at Freedom Fest Seminar ON-E Governance, initiative of the Government of Kerala.
6. Niranjana of B.Tech ECE (2022-26) batch and Adwaith Pushparajan of B.Tech ECE (2020-2024 batch) received **Siemens** Scholarship.
7. Aparna V Shenoy & Shifanath T S of B.Tech ECE (2023-27 Batch) and Neethu N of B.Tech ECE (2020-24 batch) won the **Interzone Handball tournament-women's**. They were also the winners of the women's E-zone Handball tournament.
8. Neethu N, G Ragendu, Azmi Nazar T & Anagha Suresh K V of B.Tech ECE (2020-24 batch) were the winners of **KTU Interzone KHO-KHO tournament-women's**. They were also the winners of the women's E-zone KHO-KHO tournament.
9. Roshan Raj & Athu Krishnan A P of B.Tech ECE (2021-25 batch) and Ajmal J of B.Tech ECE (2022-26 batch) were the runner ups of **Mens KTU E-zone Handball tournament**.
10. Vishnu P U of B.Tech ECE (2022-26 batch) has received **Sasneham Scholarship**. SASNEHAM is a welfare association formed by the B.Tech ECE 2009-13 batch students of GEC Palakad. Every year the Sasneham Alumni team provides scholarships to two students from 2019 onwards.



Vishnu P U S3 ECE receiving the SASNEHAM scholarship from Principal Dr. K Meenakshy

11. Athul Krishnan A P of B.Tech ECE (2021-25 batch) and Akshay Kumar of B.Tech ECE (2022-26 batch) were the second runner up of **Mens KTU E-zone Volleyball tournament**.
12. Niranjana M of B.Tech ECE (2023-27 batch) was the runner-up of **interzone women's Karate**.

13. Sreerag Sankar and Neeraj T R of B.Tech ECE (2023-27) batch secured second position in the IDEA HACKATHON 2024 organized by Department of ECE, GEC Palakkad.

III. FACULTY ACHIEVEMENTS

1. Prof. Shamla B, Associate Professor, ECE Department was the first runner-up in Badminton-women's doubles in the State Level Civil Service Meet. She also achieved first place in Javelin throw and second place in chess, in the District Level Civil Service Meet.
2. Prof. Gayathri A, Assistant Professor, ECE Department was awarded as Active SPOC for SWAYAM-NPTEL local chapter.
3. Mr. Mahesh C, Tradesman ECE Department was the winner of both 100m and 200m track events in the District Level Civil Service Meet. He achieved second in 100m and third in 200m track events in National Veterans Meet conducted at Bangalore. He was also the winner of 100m and 60m track events in Pacific Meet conducted at Goa. He also achieved second place in 100m and second place in 200m in South India Masters Meet conducted at Thalassery.

IV. EVENTS ARRANGED

1. **Placement talk** was conducted for B.Tech students by Ultium Technologies, Bengaluru on 14th July 2023.



Placement Session by Ultium Technologies

2. An FDP on ‘**Enhancing Mental Health of Faculty for Effective Student Mentoring**’ was conducted on 10th, 11th and 12th January 2024.



FDP on Enhancing Mental Health of Faculty for Effective Student Mentoring

3. An FDP on ‘**IoT and Machine Learning Applications to Engineering Systems**’ was conducted on 22nd, 23rd and 24th January 2024.



FDP on ‘IoT and Machine Learning Applications to Engineering Systems’

4. **IDEA Hackathon 2024** was organized on 23rd February 2024. It was sponsored by Collaboration Research and Learning (CORaL).



IDEA Hackathon 2024

5. CORaL sponsored student training program was conducted on “**Introduction to IoT**” by Mr. Rahul R, Embedded Engineer, Verdant IT Solutions, Ernakulam in collaboration with Tecknow Club of ECE department.



Student training program was conducted on “Introduction to IoT

V. INDUSTRY INTERACTIONS

1. B.Tech ECE (2020-2024 Batch) visited Smart Renewable Energy Park, Ramakkalmedu, Idukki on 8th March 2024 as part of Collaboration Research and Learning (CORaL)



Field Visit to Smart Renewable Energy Park, Ramakkalmedu

VI. VISITING FACULTY PROGRAMS

1. An expert talk by Mr. Aboobacker (Research Scholar at IIT Madras) on ‘Recent Trends and Opportunities in RF and Microwave Engineering’ was conducted on 26th June 2023.
2. TEQIP II sponsored IIIC workshop was taken by Mr. Rajeeesh M.G. (ISRO) and Kripa Ramesh (Technical specialist, Tata Elxsi Limited) on the topic ‘Industry Oriented Learning Methods’ on 10th July 2023.



Ms. Kripa Ramesh delivering a talk on the topic ‘Industry Oriented Learning Methods’

3. A talk by Mr. Sonu S Dev (Clinical psychologist IMHANS Kozhikode) was conducted on 10th July 2023 on the topic 'Positive Mental Health'.



Talk on 'Positive Mental Health' by Mr. Sonu S Dev

4. An expert talk on 'Embedded System design for Telecom networks' by Mr. Aneesh D (Principal engineer, Tejas Network, Bangalore) was conducted on 24th June 2023.
5. An expert Talk on 'Automatic Speech Recognition' by Dr Anoop C S, Assistant Professor, Department of Applied Electronics and Instrumentation Engineering, Government Engineering College, Kozhikode was conducted on 11th March 2024.

VII. FACULTY MEMBERS JOINED/TRANSFERRED

1. Newly joined faculty- Mr. Raison P.J. Tradesman
2. Faculties transferred to college- Mr. Askarali C, Tradesman
Mr. Sheshadri Iyer, Tradesman
Mr. Sureshbabu P, Tradesman

VIII. NEW CLUBS/ UNITS STARTED

1. ECE Association
ECE Association was inaugurated on 14th November 2023 in presence of The Principal GEC Palakkad, ECE department HoD and teachers and students.
2. Tecknow club
Tecknow club is a technical society of ECE department of GEC Palakkad. The club was rebranded to its new name on 14th November 2023 as a part of Department association inauguration. The main aim of the club is to increase the practical knowledge and

implementation of the latest technology by developing hands-on projects. The club has conducted various practical sessions on Arduino microcontroller with different sensors and on basic electronics.

IX. ACADEMIC PERFORMANCE

Batch	S1	S2	S3	S4	S5	S6	S7	S8
2023-2027	89.86							
2022-2026	89.39	74.6						
2021-2025	71.88	70.31	58.11	61.64	68.49			
2020-2024	84.38	77.77	77.77	53.52	53.52	69.01	85.92	
2019-2023	76.27	89.83	80.6	71.21	77.27	54.54	69.7	77.78

X. GATE 2024 RESULT

2020-24 Batch	No of students who cleared GATE exam	7
2021-25 Batch	No of students who cleared GATE exam	1

XI. PLACEMENT INFORMATION OF 2020-24 BATCH TILL DATE

Total no. of final year students	71
No of students placed in companies/Government Sector	6
Placement Percentage	8.45