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GEC PALAKKAD SREEKRISHNAPURAM NEWS LETTER



Vision

EXCELLENCE THROUGH THE WINGS OF SCIENCE AND TECHNOLOGY.

Mission

TO TRANSFORM YOUTH TO TALENTED ENGINEERS WITH CREATIVITY AND INTEGRITY WHO CAN MEET THE TECHNOLOGICAL CHALLENGES FOR THE SERVICE OF SOCIETY.

PRINCIPAL'S MESSAGE

Greetings to All!

This edition of the newsletter brings to you a brief report of the activities of the institution on various fronts, with focus on the achievements by the faculty and students during the period from Jan to June 2021. This period, though part of the global pandemic time, rays of hope were visible, that kept us moving forward. Though the online mode of university exams does not reflect the true calibre, the students came up with innovative programs through their activity

clubs and the TBI. I take this opportunity to remind all concerned that it is our academic performance that will ensure us the right place in the highly competitive technical education field and nothing else. Other than the pass percentage, the number of students getting admission to higher degree programs and higher-level institutions will be a good indicator of our academic quality.

Let us work towards attaining our vision of excellence and become a source of inspiration to the society that is driving us.

Arise! Awake! Stop not, till the goal is reached!

Major Milestones

- Our college signed an MoU with IIT Palakkad for students training, internship and joined research on 4 Mar, 2021.



- Our college received the best Green Office award in Sreekrishnapuram Panchayath.



- Our college joined the Unnat Bharat Abhiyaan (UBA) project of the MHRD, in association with IIT Palakkad.
- Completed the eLearning studio under the SDPK project.

Alumni Achievements and Activities

- **Manu Madhavan**, student of the first batch M.Tech CL (2011-13) has obtained his PhD from CSE Dept of NIT Calicut on 19-3-2021.

- **Nandini G. Warriar**, (2004 - 08 B.Tech IT) has acquired her PhD from CSE Dept of NIT Calicut.
- **Aiswarya Madhu** (B.Tech. ECE) got selection at IIM Shillong
- **Annett Antony** (B.Tech. ECE 2012 - 16) got selection for PhD at IIIT Guwahati.
- **Rechitha C.R.**, 2013 M.Tech. CL. passout has joined Govt. College Thalassery as AP in Computer Science through KPSC.
- **Sasneham EC 09**, a welfare association formed in 2019 by alumni of 2009-13 ECE batch of GEC Sreekrishnapuram, contribute a certain amount to a public bank account each year. This amount is credited to eligible students through a bank account on a monthly basis or directly as a study material. On March 2021, two students got the benefits.

Faculty Achievements and Activities

- Dr. K.R. Remesh Babu, Associate Professor & Head, IT Dept has filed a US patent for his work on “Portable Public Surveillance Device with an AI driven Face Recognition Computational Module for Large Scale Community Policing”.
- Mr. Muhammedali Shafeeque K., Assistant Professor, EEE Dept has filed an Indian patent for his work on “A novel design for a rotary generator using triboelectric effect”.
- **Ms. Dhanya K.M**, Associate Professor, IT department, was awarded Phd for the thesis titled “Investigation on Performance Improvement Mechanism for Nature Inspired Algorithms” from Pondicherry Engineering

College under Pondicherry University on July 2020.



- **Mr. Safer Babu T.**, Assistant Professor, IT department, was awarded Phd for the thesis titled “Reconstruction algorithms for 2D and 3D point sets using global and local delaunay Triangulation” from Indian Institute of Technology Madras on May 2021.



- **Ms. Rani M.R.**, Assistant Professor, IT department, was awarded Phd for the thesis titled “Classical and parameterized complexity results on certain matrix ordering problems” from National Institute of Technology Calicut on June 2021.

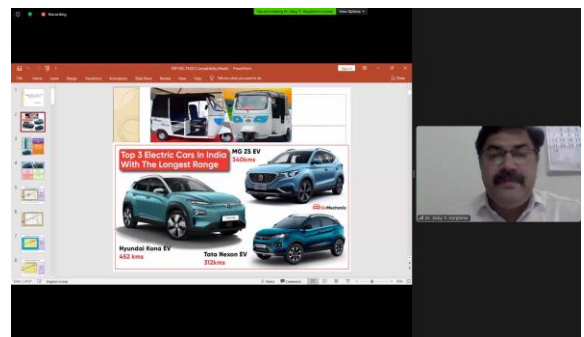


- Total number of publications by faculty members during the period is **7**. (1 EEE, 1

CSE and 4 IT) and total number of publications by students is **1** (1 CSE).

Events

- CSE department conducted an online FDP on “**Design Thinking**” from 22 to 27 February 2021. Mr. Savyan P.V. coordinated the programme.
- EEE department conducted an online FDP on “**State of the Art Technologies in EV Control**” from 3rd to 5th of March 2021. Ms. Sajitha.M. and Mr. Muhammedali Shafeeque K., coordinated the programme.



- ECE department conducted an online FDP on '**5G Technologies & IoT**' from 15th to 19th March 2021. Mr. Shiju Aravindakshan M, and Ms. Lincy K coordinated the programme. The course gave an overview of cutting-edge technologies like nmWave, MIMO, Massive MIMO, IoT and IoT Security. Distinguished experts from the industry and academia delivered the sessions
- EEE department conducted an online FDP on “**Robotics – Modeling, Planning and Control - Phase I**” from 15th to 20th of March 2021. Dr. Vinita Chellappan and Mr. Muhammad Farooque E.K. coordinated the programme.



- IT department conducted an online FDP on “**Fine tune your research planning**” from 22nd to 26th of March 2021. Ms. Sasinas Alias Haritha Z.A and Dr. Remesh Babu K.R. coordinated the programme. Distinguished experts from the IITs, International Universities and industry delivered the sessions.
- CSE Department conducted an online workshop on “**Writing Passes in LLVM**” on 23/01/2021 for B.Tech students through Google Meet and Google Classroom, under IIC, TEQIP II (Four Funds). The workshop was handled by Mr.Raghash Aloor, Senior Software Engineer, AMD India Pvt Ltd, Bangalore. Mr. Irshad M. coordinated the programme.
- An EAP program on **CNC Training** for Mechanical Engineering students conducted on 28th January to 2nd February 2021. Mr. Krishnadasan.V.B. and Mr. Jayaprasad were the resource persons.
- CSE Department conducted an online workshop on “**React Basics**” on 30/01/2021 and 31/01/2021 for B.Tech students through Google Meet and Google Classroom, under IIC, TEQIP II (Four Funds). Mr. Shameer Mohammed, Associate Architect, EFI India, Bangalore was the resource person. Mr. Irshad M. coordinated the programme.
- CSE Department conducted an online workshop on “**Advanced Topics in React Basics**” on 06/02/2021 and 07/02/2021 for B.Tech students through Google Meet and Google Classroom, under IIC, TEQIP II (Four Funds). Mr. Shameer Mohammed, Associate Architect, EFI India, Bangalore was the resource person. Mr. Irshad M. coordinated the programme.
- IT Department conducted an online workshop on “**Web Design/Graphic Design**” for B.Tech S5 students on 18/02/2021. Mr.Sreehari.C.P. and Mr. R. S. Nithin were the resource persons. Ms. Sasinas Alias Haritha Z.A. coordinated the programme.
- ECE Department conducted an online workshop on “**Introduction to LabVIEW**” for the B.Tech students on 26/3/2021 through Google Meet, under IIC TEQIP II (Four Funds). Mr. Vishnuprasad K. and Mr. Vijeesh V. coordinated this program. The workshop was handled by Mr. Rajkumar R, Senior Application Engineer, VI solutions, Bangalore.
- CSE Department conducted an online expert talk on “**Latest developments in ROS and its application in simulation projects**” on 10/06/2021 for B.Tech and M.Tech students through Google Meet, under R&D Programme, TEQIP II (Four Funds). The talk was delivered by Mr. Rubesh Thirumani S., ROBOTAI Technologies, Coimbatore. Mr. Irshad M. coordinated the programme.
- Physical Education Department has celebrated **International Yoga Day** on 21st June and many of the students has participated in the celebration. Our principal

Dr. P.C. Reghuraj sir inaugurated the celebration.

Visiting Faculty Programs

- EEE department organized an expert talk on "**Electrical standards and safety**" by Mr. Noufal P., Electrical Inspectorate, Palakkad on 15/01/2021. Mr. Abdul Kareem Puthiya Veettil coordinated the programme.
- ME department organized an expert talk on "**Introductory note on Mobile Robotics**" by Dr. Santhakumar, Associate Professor(ME), IIT Palakkad on 21/01/2021. Dr. Selvakumar A., Assistant Professor (ME) was the coordinator of the programme.

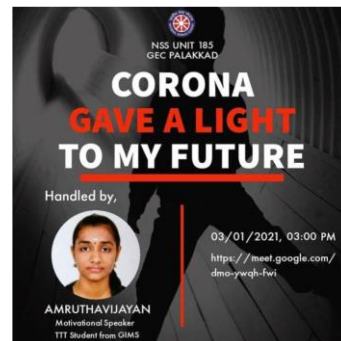


- ECE department organized a visiting faculty programme on "**Recent trends in Mobile Communication**" on 02/03/2021. Mr. Jayadevan R (AP ECE) and Mr. Shiju Aravindakshan (AP ECE) were the coordinators of the programme
- EEE department organized an expert talk on "**Electric Vehicle Architecture**" by Dr. Sheik Mohammed S, TKM College of Engineering Kollam on 30/03/2021. Mr. Muhammedali Shafeeque K. was the coordinator of the programme.

- EEE department organized an expert talk on "**Hardware design and integration process employed to develop an Unmanned Aircraft System (UAS) helicopter**" by Dr. Harikumar K (IIT Hyderabad) on March 2021. Dr. VinitaChellappan. was the coordinator of the programme.

NSS Unit Activities

- **Motivational Speech:** NSS UNIT 185 GEC Palakkad conducted a motivational talk by Ms. Amrutha Vijayan (a motivational speaker & a TTT student from GIMS) on how corona gave light to her future. It was conducted on 3rd January 2021. She shared her real-life story which touched everyone's hearts.



- **Energy Audit:** An energy audit is an inspection survey and an analysis of energy flows for energy conservation in a building. It may include a process or system to reduce the amount of energy input into the system without negatively affecting the output. The Energy cell of NSS UNIT 185 GEC PALAKKAD conducted a home energy audit of a day on 20th January 2021.
- **Republic Day Rally:** NSS GEC PKD UNIT conducted a republic day rally on 26th January 2021 started at 9.00 am from college to Sreekrishnapuram. The NSS volunteers of GEC palakkad held thought provoking

placards, posters based on the republic day and constitution.



- **Cleaning NSS Room & Campus Premises:**

NSS Unit 185 organized another 2 weeks cleaning activity in the campus from 26/01/2021 to 18/02/2021. The aim of this activity was to make the college surroundings neat and clean. The cleaning session was mainly done in evenings and mainly focused on red cross area. Also, the cleaning activity is extended to the whole campus and volunteers collectively removed all the garbage.



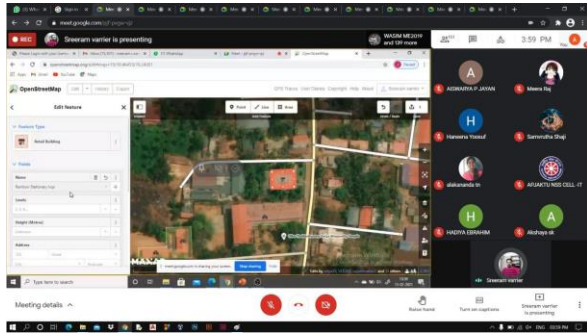
As a part of campus activity, NSS unit 185 cleaned the premises of NSS room and campus on 25th February 2021. The cleaning was concentrated on the interiors of the campus.

- **Cancer Day Rally:** In association with world cancer day, NSS Unit 185 organized a cancer day rally on 4th February 2021. The aim of the event was to raise awareness among the public on Cancer and to extend our support to many people struggling with different types of cancer. Volunteers began their march from the campus and covered nearby areas.



- **OSM Awareness Program:** NSS Unit 185 GEC PALAKKAD has conducted an awareness program on the topic 'Open Street Mapping' on 13 February 2021, Saturday through google meet. Inauguration of the program was done by Dr. Suneesh S.S., HOD of Mechanical Engineering Department, GEC Palakkad. The session was handled by Mr. Sreeram R, Assistant professor and NSS Program officer of Ernad Knowledge City Technical Campus, Manjeri. Open Street Map (OSM) is a collaborative project to create a free editable map of the world. It is very much effective than google maps since we can insert, delete and modify the routes which cannot be done in Google maps. There were around 150 participants for

the program. The session was from 3pm - 5pm.



FEBRUARY 13, 2021

OSM

AWARENESS PROGRAM
AT 03:00 PM

Inauguration



Dr. SUNEESH S S
HOD
Mechanical Engineering

Resource Person



SREERAM R
Assistant Professor
& NSS Program Officer
Eranad Knowledge City
Technical campus, Manjeri

- Sadbhava Seven Day Virtual Camp:**
 Sadbhava is a seven-day virtual camp organized by NSS Unit 185, GEC Palakkad for improving the qualities of individuals as a social animal. The aim of the event was to prepare the youth for the prevention a mitigation of COVID 19. The camp was from 19/02/2021 to 25/02/2021.

Prior to the seven-day virtual camp Sadbhava, NSS Unit 185 conducted an orientation session on 18th February 2021. The session aimed at creating an idea of how virtual camp will be proceeding and conveying instructions for the volunteers.



Sadbhava

NSS UNIT 185
SEVEN DAY VIRTUAL CAMP
From 19 - 25 Feb 2021
Youth for Prevention
and Mitigation of Covid-19

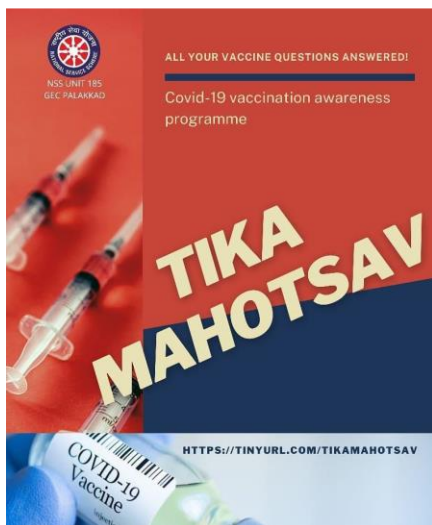


The platform or the software used to conduct the virtual camp was Hangouts Meet Google LLC software which is operational in Android and IOS systems, smartphones, and PCs to provide a user-convenient option.



Field work done by volunteers

- **Visit to rescue home, Thavanur:** To support one of the institutions working for the wellbeing of the society, NSS Unit 185 organized a fund collection drive. Volunteers actively participated in the drive even within the constraints of the lockdown. Together, volunteers gathered a total of Rs 3500. The money was handed over to rescue home Thavanur.
- **Tika Maholsav:**



NSS GECPKD UNIT organized TIKA MAHOTSAV , an initiative to spread awareness regarding the COVID-19 vaccination. Unit initiated the process by sharing a Google form in the social medias where everyone can ask their doubt regarding COVID-19 vaccination. It helped the people to be aware about fake news and encouraged most of them to take vaccination.

- **Online Workshop On Social Entrepreneurship, Swachta And Rural Engagement Cell:** The workshop was handled by Dr. Dipu Varghese. It was held on 9th May 2021 from 7:00pm to 8:30pm. The session was officially started by Mr. Savyan P.V., NSS program officer. Then Dr. Madhusoodanan M.R., Assistant professor, GEC Palakkad, delivered the key note address and discussed about the SESREC cell activities of the institute and future plans. Then, Dr. Dipu Varghese gave an introduction and explained about the SESREC action plan and its possibilities.
- **Inception '21:** NSS UNIT 185, GEC PALAKKAD had taken an initiative to welcome new volunteers of 2020-24 batch through an online general orientation, INCEPTION -'21 on 29th May 2021 via google meet. The session was handled by Mr. Sujay Kochunarayanan, Assistant Professor, Automobile Engineering Department, SCMS School of Engineering and Technology, Ernakulam. The session was very interesting and it mainly gave an idea of how NSS works, how it is relatable through online mode and about its procedures. Session also discussed about the moral and ethical issues to be faced by the volunteers.

IEEE Students Chapter

- IEEE Student chapter won 4 awards in **IEEE Malabar Subsection Awards(MSS Awards)**
 1. Most vibrant SB:- GEC Palakkad
 2. Outstanding SB Counselor:- Dr. Vinita Chellappan
 3. Outstanding SB Chair:- Ms. Dina Valapara
 4. Outstanding WIE Volunteer:- Ms. Aswathi M.
- An Online Training Session on “**IEEE Xplore digital library**”, handled by Mr. Nanda Lal T S, EBSCO was held on 11th May 2021 at 2 pm.

The speaker opened the webinar by providing an overview of technologies fueling the Fourth Industrial Revolution. Then, he explained the impact of the 4IR. The session went on to be more informative as he continued to talk about open Science & reproducible research supported by IEEE.

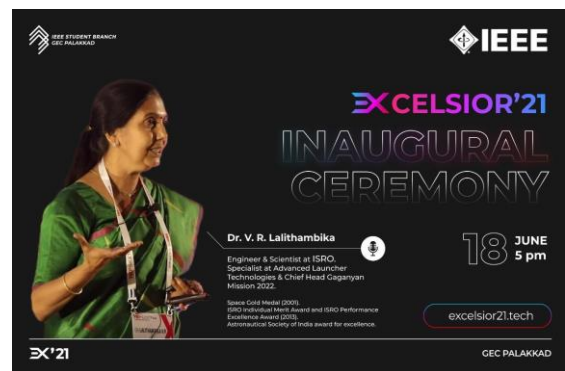


- An Online Training Programme on “**Optimization Techniques in Technology**”, a 3 Month duration (12 lectures, one per week) online course, handled by Ms. Gopika Rajagopal, Research Scholar, Dept of Civil Engg, IIT Palakkad, was organized by IEEE

SB GEC PALAKKAD. The first session of the series of lectures started at 7 PM on the 2nd of June, 2021.



- **EXCELSIOR'21** - Excelsior 2021, was the third iteration of the flagship event of IEEE SB GEC Palakkad. The enlightening 5-day event was inaugurated by Dr V.R. Lalithambika, Director of Human Space Programme, ISRO, Bangalore. The event was attended by over 339 zestful technology enthusiasts. The event mainly focused on providing quality technical workshops, events and webinars to the students. Excelsior contained a series of parallel workshops such as Artificial Intelligence, Circuit Designing, and Blockchains.



Excelsior'21 concluded on 22nd June 2021 with the closing ceremony, where we had with us Dr. Suresh Nair, Chair - IEEE India Council as our Chief Guest.



Excelsior'21 concluded with a winner announcement for the project competition, Ex-Scholar.



- App Dev Workshop** - IEEE WIE SB GEC Palakkad conducted an App development workshop using .Net. The session was handled by Mr. Aswin P.G., co-founder of Epoch zero and Ms. Aysha C.M., junior developer at Epoch zero. The five-day program started on April 2, 2021. As the program offered paid internships for top performers, each participant showed their best.



- She Tech** - As part of women in engineering week, IEEE SB college of engineering Kottarakara, GEC Palakkad and MBC CET in collaboration with WIE, conducted an exhilarating video editing competition on the theme "Women and Technology".



- Arduino and IoT Internship** - Arduino and IoT Internship - 5 days virtual internship provided by TechOne Technologies.



The duration was 2 hours per day. The sessions were handled by Mr. Musafar and Mr. Jinu. Softwares were used to simulate various circuits.

- **Speak the future** - Speak the future is a platform for volunteers to share their view on what the future of technology would turn out to be. The launch of “Speak the Future” was conducted on 24 May 2021. The launch was conducted as an IGTV video in the SBC’s Instagram handle. Mr. Muhammed Kasim S, Chairman, IEEE IA/IE/PELS Jt. Kerala Chapter inaugurated the series.
- **Django Bootcamp** - A Bootcamp series organised by IEEE CS Chapter of GEC Palakkad. The sessions were handled by Mr. Aravind Hari Vice Chair of IEEE SB GEC Palakkad. The beneficiaries are the student branch members. As of now, 4 sessions have been conducted.



Career Guidance and Placement Unit

Seventy-Four students got placed in 22 reputed companies.

CSE	33
ECE	15
EEE	2

IT	14
ME	10
Total	74

The major recruiters include TCS, Infosys, UST Global, VKC, L&T Infotech, Mitsogo, Qburst among others. The recruitment process is going on. We hope more students will be added in the list.

Hearty Congratulations to the achievers.

Technology Business Incubator

- Two companies, **iAuto Tech LLP.** and **Digital Orb Analytics(DOA)**, had successfully moved out for further expansion this year.



- One of our initial incubatees, **M/s. Saron Innovatures Ltd.** came up with an innovative product for dispensing hand sanitizer using touchless technology that hit the market and was able to do good business.

- TBI organized an awareness programme on ‘**GST: Advantages for Startups and SMEs**’ through Google Meet on 20/03/2021.
- **TeQlot Innovantz**, one of our incubatees, manufactured Automatic Sanitizer Dispenser and other devices to fight COVID-19, which were appreciated by the Dept. of Health Service, FHC Sreekrishnapuram.



Faculty members/ Staff members joined/ transferred

Faculty members joined GECPKD in 2020 and 2021:

1. Mr. Ebey S.Raj, Assistant Professor(IT)
2. Mr. Shiju Aravindakshan M., Assistant Professor (ECE)
3. Ms. Gayathri A., Assistant Professor (ECE)
4. Mr. Aboobacker P., Assistant Professor (Mathematics) (By transfer)
5. Ms. Kavitha R.J., Assistant Professor (Chemistry)
6. Mr. Dhandapani K.R., Assistant Professor (Physics) (By transfer)

7. Dr. Jiji K.S., Associate Professor (EEE)
8. Ms. Vidya V., Assistant Professor (EEE)
9. Dr. C.D. Anilkumar, Professor (ECE) (By transfer)


Staff members joined GECPKD in 2020 and 2021:

1. Mr. Shine V.M., Administrative Assistant (By transfer)
2. Ms. Anitha P., Accounts Officer (By transfer)
3. Mr. Manoj P.D., Scientific Information Officer (By transfer)
4. Ms. Sindhu Narayanan, Junior Superintendent (By transfer)
5. Ms. Shahida T.P., Junior Superintendent (By transfer)

Extension Lectures by the Faculty Member

- Mr. Jayadevan R, Assistant Professor (ECE) delivered an expert talk on “MATLAB - Fundamentals and Applications” for students of Govt. Polytechnic College Palakkad on 12/03/2021.
- Dr. Raji Nair V, Assistant Professor (Physical Education), invited as an expert for expert interaction class organized by General Education Department, VHSE wing to VHSE, fitness trainer, 1st year students of GV RAJA SPORTS, VHSS, Thiruvananthapuram on 26/03/2021 through google meet platform on the topic “Basic Anatomy and Physiology of Human Heart and Lungs”.
- Dr. Raji Nair V, Assistant Professor (Physical Education), invited as an expert for expert interaction class organized by General Education Department, VHSE wing to VHSE, fitness trainer ,1st year students of GVHSS (SPORTS) Kannur on

30/03/2021 through google meet platform on the topic “Basic Anatomy and Physiology of Human Lungs”.



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