

GOLDEN VALLEY EDUCATIONAL TRUST

Dr. T. THIMMAIAH INSTITUTE OF TECHNOLOGY

Oorgaum, KGF - 563 120.



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

TRICAL

NEWSLETTER 2021

PATRONS

DR. T. VENKAT VARDHAN
PRESIDENT, GVET

SRI. RAOUL KENGAL VARDHAN
VICE PRESIDENT, GVET

DR. SYED ARIFF
PRINCIPAL

CHIEF EDITOR

PROF. SRIDEVI. A
ASST. PROFESSOR, EEE

EDITORIAL BOARD

PROF. RONALD LAWRENCE J
ASSISTANT PROFESSOR

PROF. DHANALAKSHMI V
ASSISTANT PROFESSOR

PRESIDENT'S MESSAGE

I am happy to know that the department of Electrical & Electronics Engineering is releasing its Newsletter - Trical 2021. As the challenge to survive and learn continues in this tough time, we hope the pandemic will soon come to an end. With vaccination being available, I urge all to get vaccinated and also to adapt to online teaching and learning methods. Even in these trying times, I am happy to know that our students and staff have involved in teaching and learning processes, some of which are being brought out in this Newsletter.

Wishing you and all, the very best.



DR. T. VENKAT VARDHAN
PRESIDENT, GVET



Principal's Message

I'm happy to release the Newsletter of department of Electrical & Electronics Engineering TRICAL 2021 Covering the contributions during the year 2021 by the department of Electrical & Electronics Engineering. I hope that the newsletter will be a source of inspiration to the young aspirants of the department. Wishing them good luck.



Dr. Syed Ariff
Principal Dr.T.I.T, KGF

HOD's Message

Despite the challenges posed by the ongoing global situation, our students and faculty have demonstrated incredible resilience and commitment. I Congratulate the editors of this edition of newsletter. This newsletter brings out the activities of faculty and students of our department. I thank our Management for the constant support and encouragement.



Dr. N. Lakshmipathy
HOD of EEE

From the Editor's Desk

As we reflect on the year 2021 through this newsletter TRICAL, it has been a time of transformation and adaptation for the engineering community. The year saw the successful integration of virtual learning platforms. This year was about embracing change and leveraging technology to stay connected and continue progressing in both academics and research. We thank the Management for their continuous support and encouragement in bringing out this department newsletter.



Prof. Sridevi. A
Asst. Professor, EEE.

ABOUT THE DEPARTMENT

Electrical & Electronics department was established in 1986 and consists of 9 Faculty members who have done their UG & PG degrees from the top universities. The faculty members of this department are consistently doing well in teaching and research.

The department grew with time reflecting the needs of changing society and establishing new areas of teaching and research in Electrical Engineering .

VISION OF THE DEPARTMENT

To produce competent engineers having technical skills oriented towards sustainable development, human values, and professional ethics through comprehensive education in electrical engineering.

MISSION OF THE DEPARTMENT

- M1 :** To provide a conducive environment in which students can think, learn, and apply.
 - M2 :** To provide technical expertise through hands-on experience on real world projects with a focus on sustainable development and professional ethics.
 - M3 :** To inculcate a positive attitude and leadership qualities in students through co-curricular activities.
-

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

- PEO-1:** Graduates will be successful in Electrical Engineering and trans-disciplinary areas by pursuing a career in industry and higher education.
 - PEO-2:** Graduates will have the ability to solve societal and industrial problems with cutting-edge technologies in Electrical Engineering to achieve sustainable development in their professional careers.
 - PEO-3:** Graduates will have the ability to apply technical, analytical, communication and ethical skills to ensure technological progress in their careers.
-

PROGRAM SPECIFIC OBJECTIVES (PSO)

- PSO-1:** Ability to model, simulate, and analyze electrical and electronic components and systems using logical, technical, and programming skills.
- PSO-2:** Ability to identify optimal solutions for industrial and domestic energy requirements using specific design and control strategies.

DR.TTIT LECTURE SERIES WEBINAR

In the challenging COVID times, the college, under the guidance of the Principal, Dr. Syed Ariff, a webinar series was programmed and conducted for all the students and faculty every day in the evenings.

From the convenience of their home, students attended the sessions on various topics and were benefitted.

The following faculty of our department also handled the sessions.

- Dr. N. Lakshmipathy, professor & Head, Electrical & Electronics Engineering delivered a webinar on 'Design of Electric Powered Bicycle' on 11.06.2021.
- Prof. Somashekar. B, Associate Professor, delivered a webinar on 'Basics of MATLAB programming' on 18.06.21
- Prof. Sridevi. A, Assistant Professor, delivered a webinar on 'Black Fungus' on 25.06.21
- Prof. Ronald Lawrence. J, Assistant Professor, delivered a webinar on 'Writing Professional Emails in English' on 9.7.21

ICRTTEAS 2021

The third International Conference on Recent Trends in Technology, Engineering and Applied Sciences ICTREAS 2021 was held virtually on 19th and 20th July 2021.



Golden Valley Educational Trust
Dr. T. THIMMAIAH
INSTITUTE OF TECHNOLOGY
Approved By AICTE Govt. of India New Delhi
Affiliated to Visvesvaraya Technological University Belagavi
ISO 21001: 2018 Certified
Oorgaum, KGF - 563 120.

ICRTTEAS 2021

We cordially invite you to
join us for the inauguration of the

**3rd International Conference
ICRTTEAS 2021 (Virtual)**

Date: 19th July 2021
Time: 11.00 AM

KEYNOTE SPEAKERS

Mr. Charles Divinesh
Chairman, Geomysore, Australian Indian Resource Ltd, Australia

Miss. Maria Vidhya Kotnise
IBM, New Brunswick, Canada

Mr. V. Sadasivom
General Manager, Larsen & Toubro Ltd, Chennai

Mr. NagRajan Velu
Founder CEO, SubCLE Technology Pvt. Ltd, Bangalore

Mr. Naveen Sonkar
DOM-R&D, BEM, Ltd, KGF

PRESIDED BY

Dr. T. Venkat Vardhan
President - GVET.

Dr. K. M. Palaniswamy
Convener

Dr. Syed Ariff
Principal

The Following are the papers presented.

- Power System Restoration Using Intelligent Integration of Hybrid System by Dr.R.Sagayaraj Dr. A. Parimala gandhi Dr. A. Nazer Ali, Muthayammal Engineering College, Rasipuram, Namakkal 637 408. Tamilnadu, india won the best paper award
- UV Visual Spectral Response of Transformer Oil Under The Impact of Thermal and Electrical Stress by Prof.M.Srinivasan, Navodaya Institute of Technology, RAICHUR, KARNATAKA –584103.
- Regenerative Breaking on E-Bike By Praveen Reddy N, Shubham Prakash Shinde, Srinivas A Sunderesha and Dr. N. Lakshmipathy, Department of Electrical & Electronics Engineering, Dr. TTIT, KGF. And won the Best Paper award
- Footstep power generator using piezoelectric transducer. Girija G, Bhavani S, Sindhu BM and Dr. N. Lakshmipathy, Department of Electrical & Electronics Engineering, Dr. TTIT, KGF.
- Design and Implementation of Contactless Human Body Temperature Measurement and Automated Sanitizer Dispenser by Florence V Poojashree B
- Preethisree M, S. Shamini and Assoc.Prof. Somashekar B, Department of Electrical & Electronics Engineering
- Greener Approach to Harvest Energy using Piezo Speed Breaker by Ajay Salaunke. R, Asthma Firdous.S, Gagandeep .R.Naik, Mathew A M And Asst. Prof. Ronald Lawrence J, Department of Electrical & Electronics Engineering, Dr. TTIT, KGF.
- Development and Optimization of Hybrid Power Generation and Storage to Promote Clean Energy by C. Nishan, Kishore Kumar N, Kruthik NL, Arun Kumar. R and Asst.Prof.Subhashini and won the best paper award
- Automation of Industries Using IOT and Zigbee Protocol by Veena Paramaeshwar Rajendra Prasad M Kavya B and Asst. Prof. Dhana Lakshmi V
- To Implement 3 Phase Fault Protection for Under Voltage, Over Voltage and Over Load Conditions using Aurdino by Aishwarya M, Anupallavi I, Keerthishree N,Misba Fathima and Asst. Prof. Dayananda B. R.
- Design and development of single phase Induction motor. By Lisha. S, Revanth R, Bhargavi and Dr. N. Lakshmipathy

DR.TTIT LECTURE SERIES WEBINAR

An Inter Collegiate Project Expo was organized on 4th August 2021 in which Five teams participated.



The Project titled "Regenerative Breaking on E-Bike" by Praveen Reddy N Shubham, Akash Shinde, Srinivas A, Sunderesha under the guidance of Dr. N. Lakshmipathy won the 1st Prize and Project titled "Development and optimization of hybrid power generation and storage to promote clean energy" by C Nishan, Kishore Kumar N, Kruthik NI And Arun Kumar. R under the guidance of Prof. Subhashini S won the 2nd Prize while project titled "Design and implementation of contactless human body temperature measurement and automated hand sanitiser dispenser" by Florence V, Pooja Shree B, Preethi Sree M And S Shamini under the guidance of Prof. Somashekar. B won the prize for project with social impact.

PROGRAMMES

Dr. N. Lakshmipathy, HOD, EEE coordinated and Registered our institute with Indian Youth Red Cross Society, Bengaluru.



Inauguration of Indian Youth Red Cross Society – Dr.TTIT Students Chapter

Dr. N. Lakshmipathy, HOD EEE Coordinated and conducted various events under National Foundation for Communal Harmony: on 13/11/2021 Competitions such Poster Making, Quiz, Pick & Speak, Article Writing, Debate and Pencil Sketching were conducted.



Blood Donation camp under NSS Unit of Dr. T.T.I.T was organized in our campus on 06-08-2021, Government General Hospital, Blood Bank, K.G.F collected 14 units of Blood sachets. The Programming Officer, Dr. N. Lakshmipathy, HOD EEE Coordinated.



Blood Donation Camp being organized

- Youth for Seva: 11 NSS Volunteers took part in VTU-youth for seva social concern initiative on Covid-19 SOP for supporting the SSLC Exams on 19-07-2021 and 22-07-2021 at Mahaveer Jain School, K.G.F. NSS Programming Officer Dr. N. Lakshmipathy, HOD, EEE Coordinated.
- Solar Power Street light project was inaugurated on 05.02.2021



EEE Students being part of the project installation

An Industrial Visit was organized for the students of Mechanical & Electrical & Electronics Engineering students on 11.12.2021. Students of 5th and 7th semesters got an exposure on the processes of various divisions in Deccan Hydraulics Pvt. Limited, KGF. The Faculties, Dr. Manjunatha Babu NS and Prof. Somashekar B coordinated.



Industrial Visit to Deccan Hydraulics, KGF

The IQAC Swachh Bharat Abhiyan (Clean India Mission) was organized on October 2, 2021, at 1:00 PM as part of the Gandhi Jayanthi celebrations.

Dr. Raja Sekhar Patil, Principal of Brindhavan Engineering College, graced the event as the Chief Guest and inaugurated the clean campus initiative. The event was also attended by Dr. Syed Ariff, Principal of Dr. TTIT, KGF, Dr. A. Jenitha, NAAC Coordinator, along with QAC Members of Dr. TTIT. Faculty members, along with enthusiastic student volunteers, actively participated in cleaning the campus. The event concluded with the distribution of tea and snacks to all participants.



Tree Plantation as part of the Swachh Bharath Programme

WEBINARS / FACULTY DEVELOPMENT PROGRAMMES (FDPS)

November 2021

18-22 Nov: Prof. Jillian Rufus J participated in the International FDP on "Insights of Writing Research Paper" organized by Khandelwal Vaish Girls Institute of Technology.

20 Nov: Prof. Veena.B, EDC Coordinator, Dr. TTIT, KGF, organized a virtual workshop on "Entrepreneurship and Innovation Startup and Career Opportunities" featuring Dr. Rajesh D. Nayak, Founder, Rajashri Academy, Bengaluru.

13 Nov: Prof. Veena.B, EDC Coordinator, Dr. TTIT, KGF, organized a virtual workshop on "Entrepreneurship and Innovation Startup and Career Opportunities" featuring Mr. Mohanlal Singh, Plant Head, MMKT Autosolution, Hosur, Tamil Nadu.

13 Nov: Prof. Daphny Shallet M organized a Workshop on "Entrepreneurship and Innovation as Career Opportunity" in association with IIC, Dr. TTIT.

8 Nov: Prof. Daphny Shallet M organized various competitions in association with IIC, Dr. TTIT as part of National Education Day Celebration.

October 2021

18-23 Oct: Prof. Ronald Lawrence J, Prof. Veena.B, Prof. Dhanalakshmi V, and Prof. Sridevi.A participated in the FDP on "Recent Advancements in Electric Vehicle Technology" organized by B.N.M Institute of Technology, Bangalore.

08-12 Oct: Prof. Daphny Shallet M and Prof. Jillian Rufus J participated in the FDP on "Research Challenges and Opportunities in Smart Grid with Integration of Electrical Vehicles" (RCOSGIEV-2021) organized by Vemu Institute of Technology, Chittoor.

September 2021

15 Sep: Prof. Daphny Shallet M participated in the One-Day National Workshop on "Intellectual Property Rights" organized by Assam Don Bosco University.

August 2021

01-31 Aug: Prof. Daphny Shallet M completed the FDP Innovation Ambassador Training Program conducted by AICTE.

04 Aug: Prof. Daphny Shallet M organized "Dr. TTIT Expo."

July 2021

22-23 Jul: Prof. Daphny Shallet M participated in the 2-Day FDP on "The 360 Degree Academia: Scope and Challenges" organized by S.S. Jain Subodh P.G. Mahila Mahavidyalaya, Jaipur.

19-23 Jul: Prof. Veena.B, Prof. Daphny Shallet M, and Prof. Dhanalakshmi V participated in the FDP on "Art of Writing Research Article and IPR" organized by Sri Krishna Institute of Technology.

28 Jun-02 Jul: Prof. Daphny Shallet M, Prof. Veena.B, and Prof. Subhashini S participated in the FDP on "Advances in Electric Vehicles" organized by Vidyavardhaka College of Engineering, Mysore.

June 2021

30 Jun-30 Jul: Prof. Dayananda B. R completed one-month Innovation Ambassador Training sponsored by the Ministry of Education – Innovation Cell and AICTE.

02 Jun: Prof. Ronald Lawrence J conducted a webinar on "Creating E-Quiz and Certificate Generation using

Google Forms and an Insight into Google Classroom" for faculty members of the Electrical & Electronics department.

January 2021

08 Jan: Prof. Ronald Lawrence J conducted sessions on "Creative Practices" and "Virtual KGF Tour" during the Student Induction Programme for first-year students.

Awards and Achievements

The Project titled 'Regenerative Braking System on E(Electric) Bikes by the Final Year students Mr. Praveen Reddy, Mr. Shubham Prakash Shinde, Mr. Srinivas A, and Mr. Sunderesha, guided by Dr. N. Lakshmipathy, HoD, EEE has been shortlisted for AICTE's Chhatra Vishwakarma Award (CVA) 2020

PLACEMENTS 2020-21

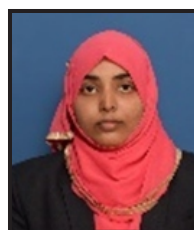
Hearty Congratulations!



AISHWARYA M
1GV17EE001
Skolar



ANU PALLAVI L
1GV17EE002
VERZEO



ASTHMA FIRDOUS
1GV15EE004
VERZEO



BHAVANI
1GV17EE003
VERZEO



GIRIJA G
1GV16EE006
Skolar



KEERTHI SHREE N
1GV17EE007
VERZEO



MISBA FATHIMA
1GV17EE010
VERZEO



PRAVEEN REDDY
1GV17EE012
Technologies Global Pvt. Ltd.



RAJENDRA PRASAD M
1GV17EE014
Skolar



SHUBHAM PRAKASH SHINDE
1GV17EE016
Elcamino Software
Pvt Ltd



SRINIVAS A
1GV17EE018
Elcamino Software
Pvt Ltd



VEENA PARAMESHWAR
1GV16EE020
Skolar

FACULTY ACCOMPLISHMENTS

Prof. Dayananda B R, successfully completed Innovation Ambassador training conducted by MoE's Innovation Cell & AICTE during the period from 30th June - 30th July 2021.

Prof. Sridevi.A, EEE, EEE Dept. Registered for Ph.d in UVCE College, Bangalore University, Bangalore.

Prof. Ronald Lawrence J, EEE Dept. Registered for Ph. D under VTU.

ALUMNI ACTIVITY

Thanks to Mr. Devaraj. T. K, Project Manager, TCS, 2002 Batch Mechanical Engineering Alumnus, for donating around 80 books to Mechanical & Electrical Engineering department libraries of our institute. The books were received by Dr. H. G. Shenoy, Vice-Principal and Mr. Manjunatha Babu N S, HoD Mechanical Engineering along with Mr. Ronald Lawrence J, Alumni Coordinator on 22nd Dec 2021.



Mr. Devaraj donating books to EEE Department Library

Congratulations to Our EEE Branch Topper - 2021



We are proud to announce that Ms. Bhavani S (USN: 1GV17EE003) has achieved the remarkable feat of securing the highest CGPA of 9.39 in the Electrical & Electronics Engineering (EEE) Department for the year 2021. Her dedication, perseverance, and academic excellence have set an inspiring benchmark for all students.

We extend our heartfelt congratulations to Ms. Bhavani S for her outstanding performance. May she continue to excel in all her future endeavors!