Shri Siddharameshwar Trust's

S. G. BALEKUNDRI INSTITUTE OF TECHNOLOGY

Shivabasava Nagar, Belagavi, Karnataka, India - 590010

Approved By All India Council For Technical Education(AICTE), New Delhi

Affiliated To Visvesvaraya Technological University, Belagavi.

CET Code: E175, COMEDK Code: E110, PGCET Code: 942

Website: www.sgbit.edu.in, Email: hod-ee@sgbit.edu.in

ILLUMINE

- Enlightening Young Minds

E & EE BI-ANNUAL NEWSLETTER (AUG 2020 – JAN 2021)

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

The Department of Electrical and Electronics Engineering was established in the year 2008, right from the inception of the institution. With a present intake of 60, the department has well equipped laboratories and is spread over an area of more than 900 square meters. The department has dedicated faculty with one doctorate and three of them pursuing Ph.D. The faculties are actively engaged in career guidance, industry-institute interaction and arranging events such as industrial visits, guest lecturers, workshops, conferences and guiding externally sponsored project onregular basis. The students undergo rigorous training for placement right from the second year and get recruited in core as well as IT companies. The department has received grants for funded students' projects from KSCST, VGST and VTU etc.

Vision of the Department

To impart quality Electrical and Electronics engineering education and empower students with technical, innovative and professional skills to compete with rapid changing global challenges

Mission of the Department

M1: To develop creativity, innovation, problem solving skills and academic excellence in Electrical and Electronics Engineering.

M2: To foster research and development activities in the fields of Electrical and Electronics Engineering.

M3: To inculcate leadership qualities and team spirit by encouraging participation in various events in Electrical and Electronics Engineering.

M4: To encourage development of entrepreneurial skills and professional ethics in the field of Electrical and Electronics Engineering.

Program Educational Objectives

PEO1: Be successful in their professional career, higher studies and research in the field of Electrical and Electronics Engineering by providing contextually relevant academic environment.

PEO2: Adapt to the changing technologies and market trends in the field of Electrical and Electronics Engineering by providing appropriate awareness and practices.

PEO3: Present technological concepts and theories in Electrical and Electronics Engineering by enabling logical thinking, leadership qualities and Entrepreneurial skills through effective communication.

PEO4: Practice Engineering profession with ethics to serve the society.

PEO5: Demonstrate leadership qualities and managerial skills in a heterogeneous team globally.

WEBINARS ORGANISED

Webinar on **"Significance of BLDC motors in industries"** was organized on 10th Oct 2020. Dr. Sidramappa V Itti, Principal SGBIT, Dr. Supanna S. Shirguppe, HOD Dept. of EEE, Mr.Vinay Bellad, Executive Director, Rajamane industries
were present. The objective of the Webinar was to provide exposure to the role of BLDC Motors in Industries.
Dr. Supanna S. Shirguppe welcomed the gathering. Mr. V. A. Bellad, Addressed the participants and explained the working of BLDC motor and its importance in industries. 65 students participated in the event. Prof. Suvarna Karki hosted the event, Ms. Anusha Patil introduced the chief guest and Ms. Sanjana Patil proposed the vote of thanks.

Webinar on **"Simulation Tools for Electronic Circuit Design"** was organized on 14th November 2020. The objective of the webinar is to provide knowledge about the simulation tools used for Electronic Circuit Design. Prof. S. I. Marihal, Assistant Professor EEE Dept, SGBIT Belagavi explained the usage of simulation tools like PSPICE, PSIM, Electric Circuit Studio for the simulation of Electronic Circuits. 42 students participated in the event. Ms. Anusha Patil hosted the event and Ms. Sanjana Patil introduced the chief guest.

A webinar on **"How to crack GATE and other competitive exams in the first attempt"** was organized on 12th September 2020.
Dr. Sidramappa V. Itti, Principal SGBIT, Dr. Supanna S. Shirguppe HOD, Dept. of EEE, Mr. Ramesh, Senior faculty, ACE Engineering Academy, Hyderabad were present for the webinar.
The objective of the Webinar is to make the participants, acquaint with the knowledge GATE exam and to understand the importance of GATE to opt for higher studies and to get into placements in different sectors.
Dr. Supanna S. Shirguppe welcomed the gathering. Mr. Ramesh Faculty from ACE academy addressed the participants and explained the importance of training to crack GATE and other competitive exams. He also spoke about the importance of gate scores in PSUs. 72 students participated in the event. Prof. Pasala Naresh hosted the event and Prof. Shrivatsav proposed a vote of thanks.

Webinar on **"Artificial Intelligence and its application"** was Organized on 2nd January 2021. Dr. Sidramappa V. Itti, Principal SGBIT, Dr. Supanna S Shirguppe, HOD, Dept. of EEE,
Mr. Rithesh Sreenivasan, Scientist, Philiphs India Ltd, Bengaluru. The objective of the Webinar is to make the students understand the basic concepts and techniques of Machine learning.

KSCST 44th SERIES (STUDENT PROJECT PROGRAMME) SPONSORED PROJECTS

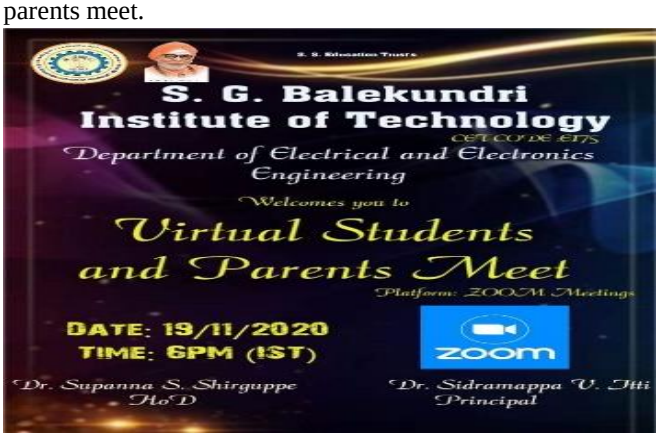
The Project titled, **"PERMANENT ELECTROMAGNETIC BED"** has been selected for the fund by KSCST, Bangalore. Project group members include Mr. Ruturaj Pawar, Ms. Ghina tarannum Jatti, and Ms. Saniya Jamadar under the guidance of Prof. Basavaraj Hugar.

The Department of Electrical and Electronics Engineering organized a live Webinar on "KGTTI Training and Career Opportunities" in association with AETECH on 30th Dec 2020. The Webinar aims to hone the skills of young students to make them industry-ready after their formal education. Mr. Chandrashekar, Senior Engineer, KGTTI Hubballi gave students an insight into KGTTI Training and Career Opportunities.

PARENT'S MEET

The department of Electrical and Electronics Engineering organized a virtual parent's meet for 3rd, 5th, and 7th-semester students on 30th September 2020.

Many parents expressed their views about the online classes and suggested to conducting few physical classes before the examinations. Honorable Principal asked students how to act in this pandemic situation. And suggested exploring the extra-curricular activities in them and practice yoga daily. faculty members of the EEE dept were present for the virtual parents meet.



INAUGURATION OF Association of Electrical Technocrats (ARTECH)

Inauguration of AETECH by watering the plant by students

Facilitating Mr. K. Patil by Dr. Supanna S. Shirguppe, HoD, EEE Dept.

Dept. of EEE, S.G. Balekundri Institute of Technology Organized AETECH (Association of Electrical Technocrats) Inaugural and Welcome to the Freshers for 2020-21 Academic Year on 30.11.2021 at SGBIT Campus. Mr. R. K. Patil was the chief guest and Dr. Sidramappa V. Itti Principal, SGBIT Presided over the gathering and gave Precedential remarks.

National Level Virtual Project Competition

Department of EEE organized a National Level Project Competition for Circuit Branches in association with Dept. of CSE and Dept. of ECE on 3rd and 4th August 2020. The Project Competition was conducted online using the Microsoft team's platform. Students from various colleges participated in the event and exhibited innovative project ideas. The event was very useful for all the Circuit branch students to exhibit their presentation skills and also innovative ideas. Prof. Pasala Naresh was the Organizing coordinator.

FACULTY ACTIVITIES

- Dr. Supanna S. Shirguppe completed a 12-week NPTEL course with certification on "Digital circuits" during May-Dec, 2020.
- Dr. Supanna S. Shirguppe Elected as Executive Committee Member for IEEE-North Karnataka Sub Section.
- Prof. Pasala Naresh Organized National Level Project Competition for All the Circuit Branches on 3rd and 4th August 2020.
- Prof. Sharanbasav Marihal, Assistant Professor, EEE dept. organized a live webinar on Simulation Tools for Electronic Circuit Design on14th November 2020.
- Prof. Pasala Naresh, Assistant Professor EEE dept. organized a webinar on "How to Crack GATE and other Competitive exams in the first Attempt" in Association with ACE Hyderabad and AETECH on 12th Sept 2020.
- Prof. Pasala Naresh organized Online Mock DCET Exam 2020 for Students on 4th October 2020.
- Prof. Lalitha Darbha organized a live webinar on "Growing Energy Demands of India" by Pavan Kumar, Market Intelligent Leader, south Asia General Electric on 3rd Oct.2020

STUDENT ACHIEVEMENTS

- Ms. Apoorva Chinagudi student of the 6th semester completed with a certificate, a 12-week NPTEL Course on "Power Electronics" during June-Dec 2020.
- Ms. Reshma Kadlimatti student of final year was selected for CSR for Pentagon Space, Bengaluru.
- Mr. Rahul Patil and Mr. Shivalingappa Satyangol students of the final year placed in Shree Renuka Sugars Limited, Belagavi.
- Mr. Manjunath Donur with the help of Prof. Lalitha Darbha organizes Poster Making Competition with the topic Sustainable Environment Through Engineers on 12th sept 2020.
- Students have actively participated in webinars, quizzes, and various extra-curricular competitions organized by engineering colleges all over the country during the lockdown period.

TOPPERS OF EVEN SEMESTER for the year Jan 2020 - July 2020

Sem& Rank	1st Rank	2nd Rank	3rd Rank
VIII	Ms. Laxmi Totagi (90.86%)	Mr. Toufiq M (90.57%)	Ms. Shradha M (90.14%)
VI	Ms. Anusha Patil (90.5%)	Mr. kapeel Patil (89.5%)	Mr. Chandrakanth B (85.8%)
IV	Mr. Mahesh A (86.11%)	Ms. Ramyashree A (85.44%)	Ms. Apoorva R C (84.11%)

Newsletter Editorial Committee

Advisory Committee

Dr. Supanna S. Shirguppe
Prof. & HOD, E & EE

Honorary Editorial Member

Prof. Basavaraj S. Hugar

Student Member

Ms. Apoorva Chinagudi

Editor:

Prof. Rekha S Malipatil