



Shri Siddharameshwar Trust's

## S. G. BALEKUNDRI INSTITUTE OF TECHNOLOGY

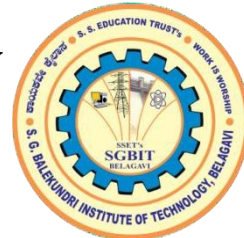
Shivabasava Nagar, Belagavi, Karnataka, India - 590010

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

Affiliated To Visvesvaraya Technological University, Belagavi.

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

Website: [www.sgbit.edu.in](http://www.sgbit.edu.in), Email: [hod-ee@sgbit.edu.in](mailto:hod-ee@sgbit.edu.in)



### 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 on regular 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

**S. G. BALEKUNDRI INSTITUTE OF TECHNOLOGY**  
Approved by AICTE, New Delhi and Affiliated to VTU, Belagavi  
Shivabasava Nagar, Belagavi  
CET CODE: E-475 COMEDK CODE: E19

Department of Electrical & Electronics Engineering  
IEEE Student Branch  
Association of Electrical Technocrats

*Organising Live Webinar On*  
**Significance of BLDC Motors in Industries**

Platform Microsoft Teams

**Mr. V M Bellad**  
Executive Director  
Rajamane Industries Pvt Ltd

**Date: October 10, 2020 | Time: 12:30 PM**

Dr. Supanna S. Shirguppe  
Head of Dept. of EEE

Dr. Sidramappa V. Itti  
Principal

Webinar Coordinator  
Prof. Suvarna S. Karki  
Mob: 8139902662  
Email: suvarna.karki@sgbit.edu.in

Follow us on @SGBITEngg  
E-Certificate will be issued  
Registration Link: <https://rgrgo.page.link/gPw4Q>  
Scan QR Code for Registration

[www.sgbit.edu.in](http://www.sgbit.edu.in)

Webinar on “Significance of BLDC motors in industries” was organized on 10<sup>th</sup> 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.

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Department of Electrical & Electronics Engineering  
IEEE Student Branch  
Association of Electrical Technocrats

*Organising Live Webinar On*  
**Simulation Tools for Electronic Circuit Design**

Platform Microsoft Teams

**Prof. Sharanbasav I. Marihal**  
Assistant Professor  
Department of EEE

**Date: November 14, 2020 | Time: 10:30 AM**

Dr. Supanna S. Shirguppe  
Head of Dept. of EEE

Dr. Sidramappa V. Itti  
Principal

Webinar Coordinator  
Prof. Pasala Naresh  
Mob: 9844299620  
Email: pasala.naresh@sgbit.edu.in

Follow us on @SGBITEngg  
E-Certificate will be issued  
Registration Link: <https://rgrgo.page.link/gPw4Q>  
Scan QR Code for Registration

[www.sgbit.edu.in](http://www.sgbit.edu.in)

Webinar on “Simulation Tools for Electronic Circuit Design” was organized on 14<sup>th</sup> 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.

**S. G. BALEKUNDRI INSTITUTE OF TECHNOLOGY**  
Belagavi – 590010, Karnataka, India  
Department of Electrical & Electronics Engineering  
In Association with ACE ACADEMY, Hyderabad  
& Association of Electrical Technocrats (AETECH)

Organizes a Webinar On  
**“How to Crack GATE & Other Competitive Exams in the First Attempt”**

Webinar Flow: 1. About GATE  
2. Preparation Strategy  
3. How to Study for GATE  
4. GATE Score for PSU jobs

**Speaker**  
**Mr. Ramesh**  
Senior faculty  
ACE Engineering Academy  
Hyderabad

**Prof. Pasala Naresh**  
Webinar Moderator

**Dr. Supanna S. Shirguppe**  
Head, Dept. of EEE

**Dr. Sidramappa V. Itti**  
Principal, SGBIT

**Date: 12<sup>th</sup> Sept. 2020**  
**Time: 11.00 am**  
**Register Here:** <https://rgrgo.page.link/2Neff>

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A webinar on “How to crack GATE and other competitive exams in the first attempt” was organized on 12<sup>th</sup> 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.

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Department of Electrical & Electronics Engineering  
In Association with Research & Development Cell  
IEEE Student Branch & Association of Electrical Technocrats

*Organising Live Webinar On*  
**Artificial Intelligence & its Applications**

Platform Microsoft Teams

**Mr. Rithesh Sreenivasan**  
Research Scientist  
Philips India Limited

**Date: January 2, 2021 | Time: 11:00 AM**

Dr. Sridhar Iyer  
R&D Coordinator

Dr. Supanna S. Shirguppe  
Head of Dept. of EEE

Dr. Sidramappa V. Itti  
Principal

Webinar Coordinator  
Prof. Pasala Naresh  
Mob: 9844299620  
Email: pasala.naresh@sgbit.edu.in

Follow us on @SGBITEngg  
E-Certificate will be issued  
Registration Link: <https://rgrgo.page.link/gPw4Q>  
Scan QR Code for Registration

[www.sgbit.edu.in](http://www.sgbit.edu.in)

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

## KSCST 44<sup>th</sup> 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.



S. S. E. Trust's  
**S. G. Balekundri Institute of Technology**  
Shivabasav Nagar, Belagavi-10, Karnataka  
CET Code: E175 COMEDK Code: E110  
Department of Electrical and Electronics Engineering  
is organizing a Webinar under the banner of  
**AETECH on**  
**KGTTI Training and Career Opportunities**  
Date: 30/12/2020 Time: 12noon-1:00pm  
Mode: Microsoft Teams  
Mr. Chandrashekar P. Senior Engineer & Incharge Manager, KGTTI, Hubballi  
Dr. Supanna S. Shirguppe HoD  
Dr. Sidramappa V. Itti Principal

The Department of Electrical and Electronics Engineering organized a live Webinar on “KGTTI Training and Career Opportunities” in association with AETECH on 30<sup>th</sup> 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

S. S. Education Trust's  
**S. G. BALEKUNDRI INSTITUTE OF TECHNOLOGY**  
Shivabasavanagar, Belagavi- 590 010, Karnataka-India  
Approved by AICTE, New Delhi and Affiliated to VTU, Belagavi  
Department of Electrical & Electronics Engineering  
We Cordially Invite all the Parents to  
**VIRTUAL PARENTS-TEACHERS MEET**  
Collaborating for Students Success  
Date: Sept 30, 2020 | Time: 06:30 PM  
Dr. Supanna S. Shirguppe Head of Dept. of EEE  
Dr. Sidramappa V. Itti Principal  
www.sgbt.edu.in

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

S. S. Education Trust's  
**S. G. Balekundri Institute of Technology**  
CET CODE E175  
Department of Electrical and Electronics Engineering  
Welcomes you to  
**Virtual Students and Parents Meet**  
Platform: ZOOM Meetings  
DATE: 19/11/2020  
TIME: 6PM (IST)  
Dr. Supanna S. Shirguppe HoD  
Dr. Sidramappa V. Itti Principal

## 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

<p>S. S. Education Trust's <b>S. G. BALEKUNDRI INSTITUTE OF TECHNOLOGY</b> Shivabasavanagar, Belagavi- 590 010, Karnataka- India Approved by AICTE, New Delhi and Affiliated to VTU, Belagavi</p> <p><b>NATIONAL LEVEL VIRTUAL PROJECT COMPETITION</b> 3<sup>rd</sup> &amp; 4<sup>th</sup> August, 2020</p> <p>For Circuit Branches Engineering &amp; Diploma</p> <p>Organised by Department of Electrical &amp; Electronics Engg. In Association with Department of Computer Science Engg. Department of Electronics &amp; Communication Engg.</p>		<p><b>Rules</b></p> <ul style="list-style-type: none"> <li>Max 4 participants in each team.</li> <li>No limit for number of projects from same college.</li> <li>The competition is for Engineering &amp; Diploma Students.</li> <li>Spot entries will not be accepted.</li> <li>Judges decision will be final.</li> </ul> <p><b>Registration</b></p> <ul style="list-style-type: none"> <li>Only one member from each group has to fill registration form.</li> <li>Registration fee is Rs. 99/- per team.</li> <li>Make online payment before filling registration form.</li> <li>Registration link: <a href="https://forms.gle/7D2gqgkfaJwU">https://forms.gle/7D2gqgkfaJwU</a></li> </ul> <p><b>Bank Details</b></p> <p>Account Name: Principal, SGBIT, Belagavi Account Number: 520101070574738 IFSC Code: CORP0002090 Bank: Corporation Bank Branch: Nehru Nagar, Belagavi</p> <p><b>Procedure</b></p> <ul style="list-style-type: none"> <li>After registering, participants will receive a google classroom code and registration number.</li> <li>Project video or voice over PPT with maximum duration of 7 mins should be uploaded in google classroom.</li> <li>In case of incomplete hardware projects due to Covid-19, participants can pitch their ideas and can upload voice over PPT.</li> <li>The organizers will specify a scheduled time and accordingly on the day of project competition the videos uploaded will be screened and jury members will review the projects and interact with participants.</li> </ul>	<p><b>Important Dates</b></p> <ul style="list-style-type: none"> <li>11 July: Registration Starts</li> <li>23 July: Registration Ends</li> <li>25 July: Intimation of Project acceptance</li> <li>05 Aug: Declaration of Results</li> </ul> <p><b>Coordinators</b></p> <p>Prof. Pasala Naresh Assistant Professor, Dept of EEE Mob: 9844290620 <a href="mailto:pasala.naresh@sgbit.edu.in">pasala.naresh@sgbit.edu.in</a></p> <p>Prof. Mahantesh Laddi Assistant Professor, Dept of CSE Mob: 9742912850 <a href="mailto:mahantesh.laddi@gmail.com">mahantesh.laddi@gmail.com</a></p> <p>Prof. Sujay Gejji Assistant Professor, Dept of ECE Mob: 9164187135 <a href="mailto:sujayg@sgbit.edu.in">sujayg@sgbit.edu.in</a></p> <p><b>Follow us on</b></p> <p>@SGBITee</p>	
<p>Prof. Pasala Naresh Organizing Coordinator</p>	<p>Dr. Dinesha H. A. Head, Dept. of CSE</p>	<p>Dr. Jayashree Rudagi Head, Dept. of ECE</p>	<p>Dr. Supanna S. Shirguppe Head, Dept. of EEE</p>	<p>Dr. Sidramappa V. Itti Principal</p>

Department of EEE organized a National Level Project Competition for Circuit Branches in association with Dept. of CSE and Dept. of ECE on 3<sup>rd</sup> and 4<sup>th</sup> 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 3<sup>rd</sup> and 4<sup>th</sup> August 2020.
- ❖ Prof. Sharanbasav Marihal, Assistant Professor, EEE dept. organized a live webinar on Simulation Tools for Electronic Circuit Design on 14<sup>th</sup> 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 12<sup>th</sup> Sept 2020.
- ❖ Prof. Pasala Naresh organized Online Mock DCET Exam 2020 for Students on 4<sup>th</sup> 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 3<sup>rd</sup> Oct.2020

## STUDENT ACHIEVEMENTS

- ❖ Ms. Apoorva Chinagudi student of the 6<sup>th</sup> 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 12<sup>th</sup> 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	1 <sup>st</sup> Rank	2 <sup>nd</sup> Rank	3 <sup>rd</sup> Rank
VIII	 <b>Ms. Laxmi Totagi (90.86%)</b>	 <b>Mr. Toufiq M (90.57%)</b>	 <b>Ms. Shraddha M (90.14%)</b>
VI	 <b>Ms. Anusha Patil (90.5%)</b>	 <b>Mr. kapeel Patil (89.5%)</b>	 <b>Mr. Chandrakanth B (85.8%)</b>
IV	 <b>Mr. Mahesh A (86.11%)</b>	 <b>Ms. Ramyashree A (85.44%)</b>	 <b>Ms. Apoorva R C (84.11%)</b>

## 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**