



S. G. BALEKUNDRI INSTITUTE OF TECHNOLOGY

Shivabasava Nagar, Belagavi, Karnataka, India- 590010

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

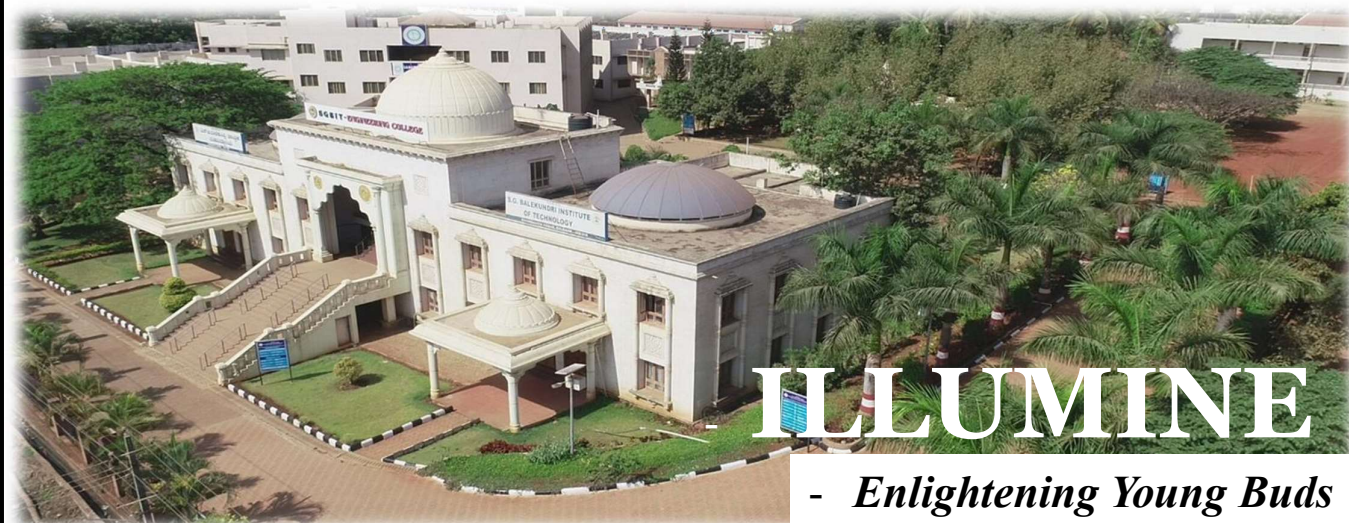
Affiliated To Visvesvaraya Technological University, Belagavi.

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



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ILLUMINE

- *Enlightening Young Buds*

E&EE Bi-Annual News Letter

AUG 2022- JAN 2023

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.

PEO's

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.

MINI PROJECT COMPETITION

Mini project competition was organized for 3rd and 5th semester students in the month of December 2022. Total of 30 students in 8 project groups participated in the event. Dr. Sidramayya Mathad was the judge for the event.

S. S. Education Trust's
S.G. BALEKUNDRI INSTITUTE OF TECHNOLOGY
 Shivabasav Nagar, Belagavi-590010, Karnataka-India
 Department of Electrical and Electronics Engineering
 Presents

KAUSHALYA
 for the academic year 2022-23

A MINI-PROJECT COMPETITION
 Date- 17th December 2022

INSTRUCTIONS:

- The project group should have max 4 students
- Students have to demonstrate the working model to the Evaluation Team
- Each group has to prepare a poster to display the working and application of the project

Prof. Pravina R. M. Mini- Project Coordinator
 Dr. Supanna S. Shirguppe Head of Department
 Dr. B. R. Patagundi Principal

MINI PROJECT COMPETITION POSTER



STUDENTS DEMONSTRATING THEIR MINI PROJECT

AWARENESS TALK ON WOMEN SAFETY

An awareness talk on "Women safety at Workplace" was organized on 22nd October, 2022 and Adv. Shri. S. S. Dharmatti addressed all the faculty and non-teaching staff.

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 Shivabasav Nagar, Belagavi - 590010, Karnataka, India
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 CET Code: E1175, COMED K: E116, PGCEET: T142

Anti Sexual Harassment Cell
 Organizes Awareness Talk
 on
"Women Safety at Workplace"
 BY
 Adv. S. S. Dharmatti

On 22nd October 2022 @12:30 PM Venue: MAIN SEMINAR HALL

Prof. Jaya M. Pattanshetti Coordinator
 Dr. Supanna S. Shirguppe Chairperson, ICC
 Dr. B. R. Patagundi Principal



AN AWARENESS TALK BY ADV. S. S. DHARMATTI

PARENTS MEET

The Parents' meet was organized for 7th semester on 26th November 2022



PARENTS' MEET

HERITAGE WALK

For the 2021 scheme new subject, Social Connect and Responsibilities is introduced. As a part of curriculum Heritage walk was organized for 3rd semester students. Students along with faculty visited Halasi village in the month of December



VISIT TO HALASI AS A PART OF HERITAGE WALK

As a part of AICTE activities the students of 5th and 7th semester visited Halasi on 1st December 2022.



DIGITAL INDIA ACTIVITY



SWACHH BHARAT ABHIYAN ACTIVITY

VISIT TO KGTTI

Dr. Supanna S. Shirguppe, HoD EEE department and Prof. B. S. Hugar visited KGTTI, Hubballi on 2nd December 2022.



VISIT TO KGTTI

AETECH INAUGURATION

AETECH inaugural was conducted on 27/12/22. Er. Prasad Ghatikar, AEE, HESCOM was the chief guest. Over 110 students of EEE Dept. attended the event. The event was followed by a technical talk on Energy conservation and Auditing by chief guest.



INAUGURAL FUNCTION OF AETECH

TECHNICAL TALK

A talk was organized on "ELECTRICAL SAFETY/INDUSTRIAL SAFETY" AS PART OF SUMMER INTERNSHIP-I for 3rd Sem students on 29.10.2022. 5th and 7th semester students also took benefit of the same.



TALK ON ELECTRICAL/INDUSTRIAL SAFETY

TOPPERS OF ODD SEMESTER

S. S. Education Trust's
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Department of Electrical & Electronics Engineering
Congratulations Toppers of 1st Semester



Ms. Prachi R. J.
81.125%
2BU22EE044

Ms. Shivani B. D.
79.8%
2BU22EE053

Ms. Kushi Baloji
79%
2BU22EE020

FROM MANAGEMENT, PRINCIPAL, HOD AND STAFF

Toppers of 1st Semester

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Department of Electrical & Electronics Engineering
Congratulations to Toppers of 3rd Semester



SPOORTHI KOUJALAGI
(2BU21EE021)
83.38 %

APOORVA C. MUDAKAGOUD
(2BU21EE004)
82.00 %

KAVITA S. DANDU
(2BU21EE010)
78.50 %

From Management, Principal, HoD & Staff

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Toppers of 3rd Semester

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Department of Electrical & Electronics Engg.
CONGRATULATIONS
 to Toppers of 5th Semester



Simaran S. Patel
2BU21EE409
66%

Musharraf Shilledar
2BU21EE405
62%

Nagaveni S. Naik
2BU21EE406
61.89%

From Management, Principal, HoD & Staff

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Toppers of 5th Semester

FACULTY ACTIVITIES

- ❖ **Prof. Pravina Mali** participated in 5 Days FDP on “**Inculcating Universal Human Values in Technical Education**” organized by AICTE, Delhi. From 16th to 20th Jan 2023.
- ❖ **Dr. Supanna S. Shirguppe** participated in 5 Days FDP (Online) on “**SCILAB as per 2021 Scheme**” organized by Dept Of EEE, GSSSIETW, Mysuru. From 17th to 21st Oct 2022.
- ❖ **Prof. Chetan Kudale** participated in 3 Days FDP on “**Team Building and Managing**” organized by ICT Academy at SGBIT, Belagavi. From 7th to 9th Nov 2022.
- ❖ **Prof. Pravina Mali** participated in 3 Days FDP on “**Team Building and Managing**” organized by ICT Academy at SGBIT, Belagavi. From 7th to 9th Nov 2022.
- ❖ **Prof. Suvarna Karki** participated in 3 Days FDP on “**Team Building and Managing**” organized by ICT Academy at SGBIT, Belagavi. From 7th to 9th Nov 2022.
- ❖ **Dr. Supanna S. Shirguppe** has participated in 5 Days National Level Workshop on “**Natural Disaster Management Issues and Challenges**” organized by Dept of Civil Engineering, SGBIT, Belagavi. From 21st to 25th Sep 2022.

FACULTY ACHIEVEMENT

- ❖ **Dr. Supanna S. Shirguppe** and **Prof. Chetan Kudale** have published paper on “**Optimal Design of Earth Mat for 110kv Substation**” in International Journal of Innovative Research in Technology (IJIRT), Volume-9, Issue-4, ISSN 2349-6002 September 2022.
- ❖ **Dr. Supanna S. Shirguppe, Prof. Chetan Kudale, Prof. S. I. Marihal** and **Prof. Basavaraj Hugar** have published paper on “**Virtual Electronics laboratory design using LabVIEW**” in GRADIVA REVIEW JOURNAL, Volume -8, Issue-4, ISSN NO: 0363-8057 2022.
- ❖ **Prof. Lalitha Darbha** have published paper on “**Non-Isolated Power Factor Corrected AC/Dc Converter with High Step-Down Voltage Ratio For Low Power Application**” in Hindawi International Transaction on Electrical Energy Systems, Volume-2022, Article ID:7142957.
- ❖ **Dr. Supanna S. Shirguppe** have published paper on “**Performance analysis of controller design methods for unstructured uncertainty based modeled uncertain system**” in International Journal of Innovative Research in Technology (IJIRT), Volume-9, Issue-9, ISSN 2349-6002.
- ❖ **Dr. Supanna S. Shirguppe** and **Prof. Basavaraj Hugar** have published paper on “**Modelling and Charge-Discharge control of Li-ion Battery using Simulink**” in International Journal of Innovative Research in Technology (IJIRT), Volume-9, Issue-10, ISSN 2349-6002.

STUDENT ACHIEVEMENT

- ❖ All the **girl students** of 7th semester have completed the course on **Sales force Certified Platform Developer** under **Honeywell** Student Empowerment Program held from 7th November 2022 to 23rd November 2022.

NEWSLETTER EDITORIAL COMMITTEE MEMBERS

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[Prof. & Head of Dept, EEE]

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EDITOR

Prof. Ashwini M. Mekkalaki

STUDENT MEMBERS

Mr. Om Kanguri
Ms. Spoorthi K



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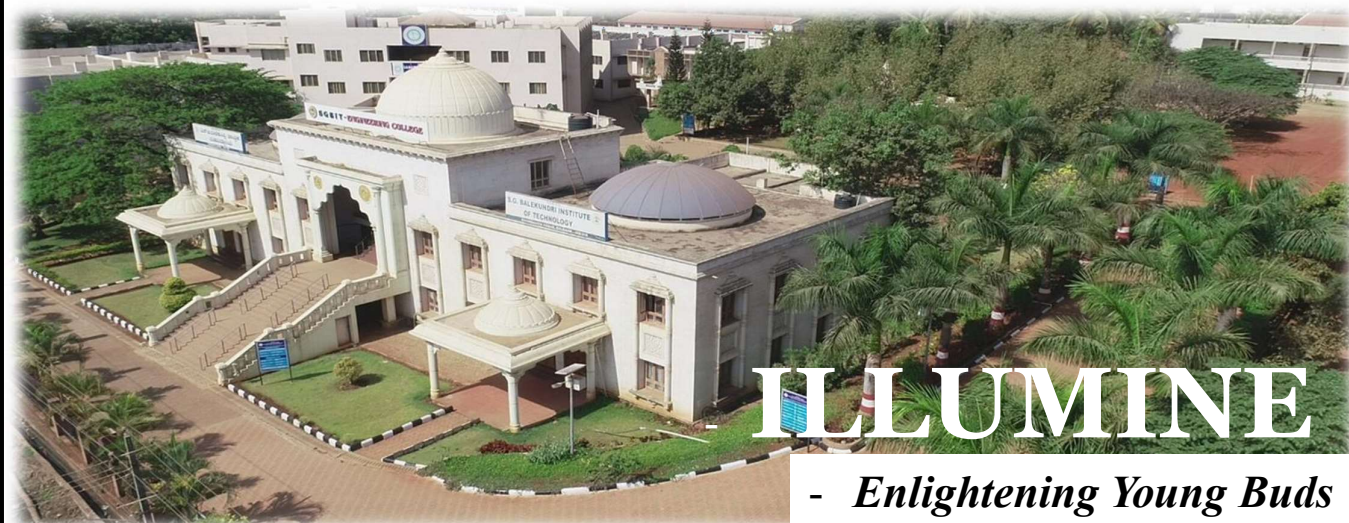
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TECHNICAL TALK

Technical talk was organized as a part of the course -Social Connect and Responsibility on “Water Conservation “For 3rd semester students in the month of January and resource person was Er.C.B. Hiremath Retd.Superintending Engineer PWD.



Technical talk on Water conservation

TECHNICAL TALK

EV club of EEE Department organized an online interaction between 3rd semester students and Industry person Er.Akshata Kulagod, Senior Engineer, Bosch Global Software Technologies on 27/1/2023



Online interaction

TECHNICAL TALK

Department organized a Technical talk as a part of EV Club activity on “Power Converters for Electric Vehicles” in the month of January and resource person was Er.Akshata Kulagod, Senior Engineer,Bosch Global Software Technologies.



Technical talk on Power Converters for Electric Vehicle

SCR ACTIVITY

EEE department 3rd Sem students visited power looms-saree manufacturing units at vadgaon Belagavi as part of Social Connect and Responsibility course on 13-2-2023.



Visit to Power looms

EEE department 3rd Sem students visited Suvarna Soudha to learn about Conservation of water using drip irrigation system as part of Social Connect and Responsibility course on 15-2-2023.



VISIT TO SUVARNA SOUDHA

TECHNICAL TALK

As a part of AETECH association programs department organized a technical talk on “Omnipresent Autonomous Systems” In the month of march 2023 and the resource person was Dr. Venkateswarlu Andra, Former Deputy Division Head, Control System Group, ISRO Satellite center Bengaluru.



A TECHNICAL TALK BY DR. V. ANDRA

CAREER GUIDANCE TALK

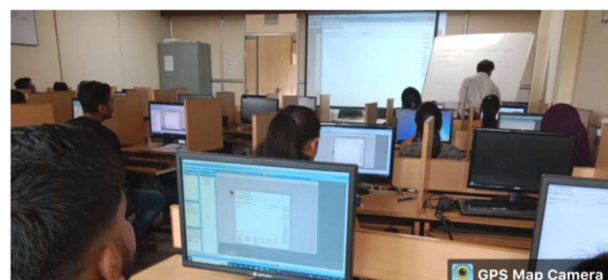
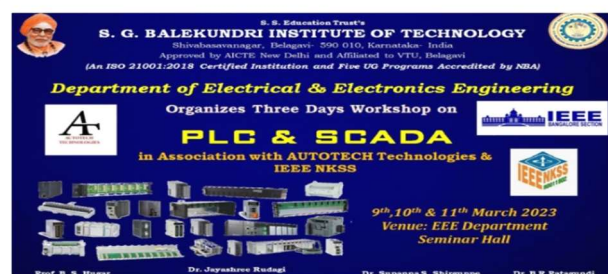
A career guidance talk was organized in the month of June 2023 for 6th semester students of all the streams, “Roll of Engineers and career opportunities in Defence”, under the banner of Training and Placement cell by Prof. Mallikarjun Bhagawati.



A CAREER GUIDANCE TALK BY CAPTAIN RAJA R. PATIL

WORKSHOP ON PLC & SCADA

Three days workshop on PLC & SCADA was organized in the month of march in association with AUTOTECH Technologies & IEEE NKSS .



Workshop on PLC & SCADA

PARENTS MEET

Parents' meet was organized for 4th semester students on 10th June 2023.



TRAINING ON SOFTSKILL



TRAINING ON SOFTSKILLS & APTITUDE

Training conducted on softskills & aptitude by Seventh Sense Talent Solutions Ltd, Bangalore on 19th June 2023 to 25th June 2023 for the 4th semester students.

INDUSTRIAL VISIT

Industrial visit to Varahi Hydro power plant was organized for 6th and 4th semester students on 21st June 2023. Prof. Mallikarjun Bhagwati and Prof. Sharanbasava Marihal along with the students visited the power plant.

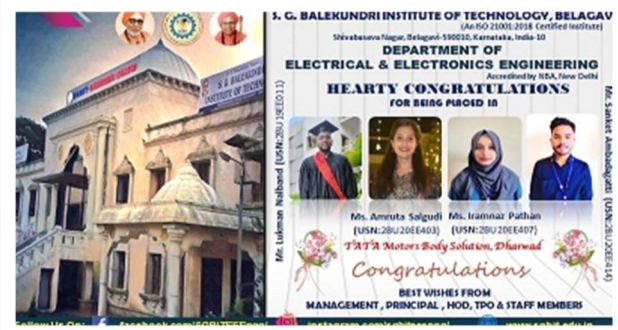


INDUSTRIAL VISIT

TOPPERS OF EVEN SEMESTER



PLACEMENTS



FACULTY ACTIVITIES

- ❖ **Prof. Suvarna Karki** participated in 5 Days FDP on “**Biology for Engineers**” organized by Jain College of Engineering, Belagavi. From 30th May to 3rd Jun 2023.
- ❖ **Dr. Supanna S. Shirguppe** participated in 5 Days online Workshop on “**Sensors, Signal** conditioning and Embedded Controller For Industrial Application” organized by Dept of Instrumentation And Control Engineering, NIT, Tiruchirappalli. From 17th to 21st Apr 2023.
- ❖ **Prof. S. I. Marihal** participated in One week FDP on “**Recent Trend in Power Electronics and Power Systems**” organized by NIE, Mysuru. From 20th to 25th Mar 2023.
- ❖ **Prof. Lalitha Darbha** participated in 6 Days Workshop on “**Emerging Trends, Challenges and Opportunities in Wireless Charging Of Electric Vehicles**” organized by Electric Vehicle Charging research Centre, Dept of EEE, SRM Institute of Science and Technology, Kattankulathur. From 20th to 25th Feb 2023.

STUDENTS ACHIEVEMENTS

- ❖ Mr. Sarfaraz Saleem Makandar, Mr. Abdurrahman Jamadar and Miss. Sukanya Budashetti successfully completed 6 days workshop on Emerging Trends, challenges and opportunities in wireless charging of Electric Vehicles organized by Electric Vehicle Charging research centre, Department of Electrical and Electronics Engineering, SRM Institute of Science and Technology, Kattankulathur from 20th February 2023 to 25th February 2023.
- ❖ Miss. Bhagyashree Patil, Mr. Laxmikant Vannur, Miss. Laxmi Savadatti and Mr. Lokesh Naik have won the 2nd prize in ‘Navapravartya 2K23’ held on 15th April, 2023. A national level technical event ‘Navapravartya 2K23’ was organized by Sant Gajanan Maharaj College of Engineering Gadhinglaj, Maharashtra.
- ❖ Two of the Final year projects are sponsored by KSCST 46th series of Student Project Programme (SPP) 2022-23.

SL.NO	Project Name	Guide Name	Student's Name
1	A solution to improving quality of life and education for physically challenged people	Prof. Basavaraj Hugar	Lakshmikant Vannur Lokesh Naik Laxmi Savadatti Bhagyashree Patil
2	Innovative motor less solar tracking system using shape memory alloy	Dr.Supanna S.Shirguppe Prof. Basavaraj Hugar	Ayesha A.N. Naveen B.D. Saudameen K.D. Hazrathali D.K.

STUDENTS PUBLICATIONS

- ❖ Ajay Gani, Hritik Yuvraj Sharbidre, Lukman A. Nalband, Vaibhav Mane have published the paper titled “**Development of advance mobility system for military robot**” in International Journal of Research Publication and Reviews Volume04, Issue 05, May, 2023.
- ❖ Bhagyashree S. Patil, Lakshmikant K. Vannur, Lokesh Naik, “**A solution to improving quality of life and education for physically challenged people**”, International Scientific Journal of Engineering & Management Volume02, Issue 05, May 2023.
- ❖ Omkar Bhatkande, Sanket Ambadagatti, Amruta Anant Salgudi, Sarvesh S. Paradhi, “**Smart EV Scooter**”, International Journal of Research Publication and Reviews Volume04, Issue 05, May 2023

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