



Shri Siddharameshwar Education 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

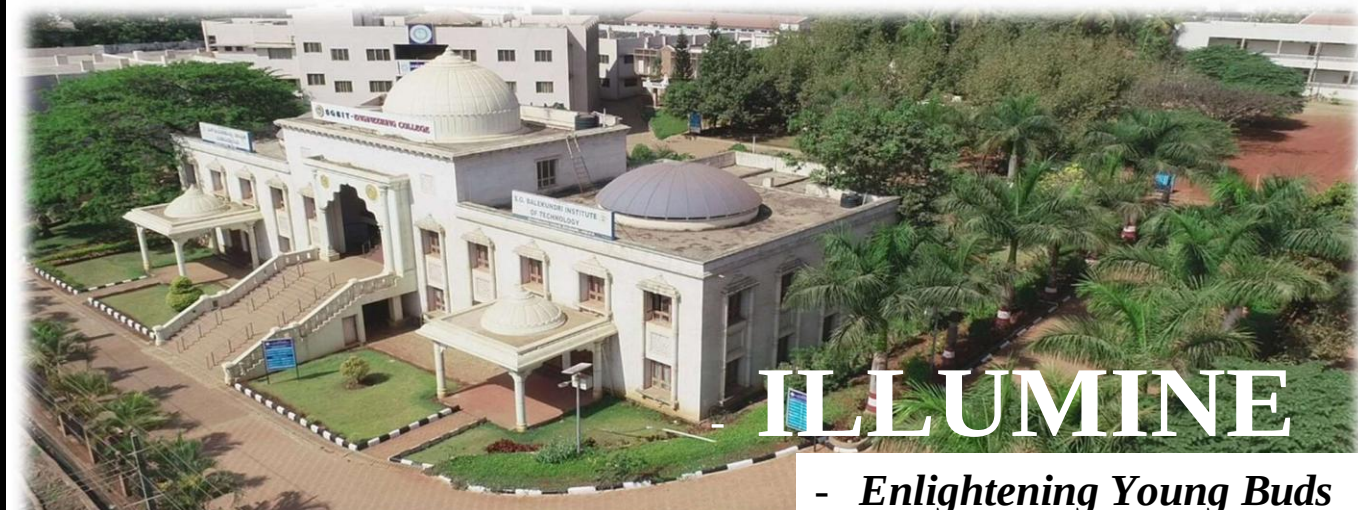
Affiliated To Visvesvaraya Technological University, Belagavi.

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



An ISO 21001:2018
certified institute

Accredited by NBA



ILLUMINE

- *Enlightening Young Buds*

E&EE – Annual News Letter

MAR 2024 – JAN 2025

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 two doctorates and five 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.

PEOs

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.

TECHNICAL TALK

IOT Club of EEE Dept. in association with AETECH and IEEE student branch conducted a technical talk on **"Building Chatbots for Specialized Applications"** on 20th April 2024 @10AM in EEE Seminar hall, SGBIT, Belagavi.



Technical talk on Building Chatbots for Specialized Application

AWARENESS TALK

Awareness Talk on **"Sexual Harassment of Women at work place, Act 2013"** for Faculty on 20/04/2024 @11:30 AM by Advocate Shri S. S. Dharamatti_



Awareness Talk on Sexual Harassment of Women at work place

SAMVEEKSHANA

Samveekshana -2024 was organized during the month of May on 22nd and 23rd. Electrical and Electronics Dept.

conducted Technical Quiz, Treasure Hunt, Mandala Art and Our Music Ur Moves competitions where students exhibited their talents.



Glimpse of Technical Quiz

PARENTS MEET

Dept. of EEE conducted Parents Meet for 4th and 6th semester students on 29/06/2024 @10:30AM in EEE Seminar Hall, SGBIT.



Parents Meet

WORKSHOP ON ARDUINO INTERFACING & APPLICATION

Dept. of EEE in association with AETECH & IOT Club organized a three-day workshop on **Arduino Interfacing**

&Applications from July 1 to July 3, 2024 in EEE Seminar Hall, SGBIT, Belagavi.



Workshop on Arduino Interfacing & Application

TECHNICAL TALK

Dept. of EEE in association with AETECH & TP Cell organized a Technical Talk on “Engineering Solutions using Graphical Programming” on July 2, 2024 in EEE Seminar Hall, SGBIT, Belagavi and resource person was Mr. Sunil Kumar V Managing Director V.I. Solutions Bangalore.



Technical Talk on Engineering Solutions using Graphical Proramming

FDP ON INDUSTRIAL AUTOMATION

Dept. of EEE, SGBIT, Belagavi has organised 5 days FDP on “INDUSTRIAL AUTOMATION” in association with Schneider Electric Foundation India & Gram Vikas Society from 09/07/2024 to 13/07/2024





FDP on Industrial Automation



Students demonstrating their projects

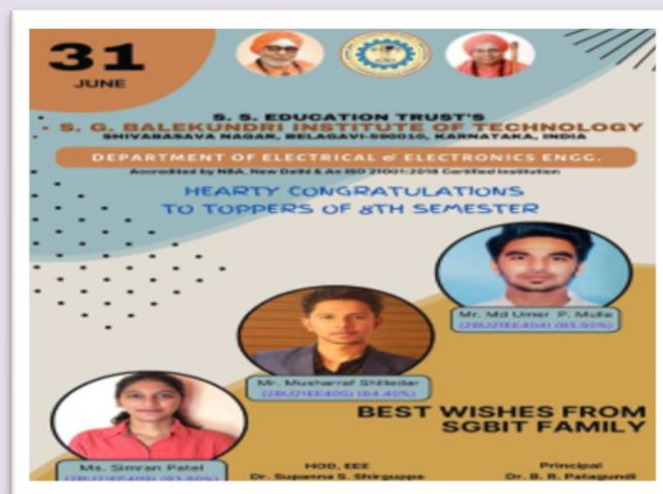
MINI PROJECT COMPETITION

Department of EEE, SGBIT, Belagavi is organized Kaushalya-2024, a Mini Project competition on 20th July 2024 @10AM.

TOPPERS OF EIGHTH SEMESTER



Mini Project Competition Poster



Toppers Of 8th Semester



Mini Project Competition Inauguration

TOPPERS OF ODD SEMESTER

 **S.G.B.I.T** 
Shivabasavarnagar, Belagavi-590010, Karnataka, INDIA
(An ISO 21001:2018 Certified Institution)
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGG.
(Accredited by NBA, New Dehli)

"HEARTY CONGRATULATION"
To
Toppers of 5th Semester
Academic Year - 2023-24

Ms. Spoorthi Koujalgi 2BU21EE021 (82.50%)
Ms. Apoorva C. M 2BU21EE004 (81.60%)
Mr. Mallikarjun Kadako 2BU21EE012 (77.30%)

Best Wishes From SGBIT Family

HOD, EEE
Dr. Supanna S. Shirguppe

Principal
Dr. B. R. Patagundi

Toppers Of 5th Semester

 **S.G.B.I.T** 
Shivabasavarnagar, Belagavi-590010, Karnataka-India
An ISO 20001:2018 Certified Institute
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGG.
Accredited by NBA- New Delhi

Heartly Congratulations
To
Toppers of 3rd Semester
Academic Year-2023-24

Ms. Khushi Baloji 2BU22EE020 (86.22%)
Ms. Sahana Patil 2BU22EE038 (84.89%)
Ms. Sangeeta H 2BU22EE041 (84.44%)

Best Wishes from SGBIT Family

HOD, EEE
Dr. Supanna S. Shirguppe

Principal
Dr. B. R. Patagundi

Toppers Of 3rd Semester

FACULTY ACHIEVEMENTS

- ❖ Dr. Lalitha Dharba Successfully completed Ph.D. from National Institute of Technology Karnataka, Surathkal on 24th April, 2024.



FACULTY ACTIVITIES

- ❖ **Dr. Supanna S. Shirguppe** participated in Online FDP on “**Artificial Intelligence (AI) Master Class**” organized by Skill Dzire From 24th July 2024 to 23rd Aug 2024.
- ❖ **Dr. Supanna S. Shirguppe, Prof.B.S. Hugar, Prof.S.I. Marihal, Prof. Mallikarjun Bhagawati, Prof. Santosh Raikar, Prof. Renuka Thakai** participated in FDP on “**INDUSTRIAL AUTOMATION**” organized by Schneider Electric Foundation India & Gram Vikas Society at SSET’s S.G. Balekundri Institute of Technology, Belgavi From 9th July 2024 to 13th July 2024.

STUDENTS ACHIEVEMENTS

- ❖ Final year student, Mr. Musharraf Shilledar won 2nd prize in paper presentation in National Level Tech Fest Samveekshana-2K24 held on 22nd and 23rd May 2024 in SGBIT, Belagavi



- ❖ Two of the Final year projects are sponsored by KSCST 47th series of Student Project Programme(SPP) 2023-24

SL.NO	Project Name	Guide Name	Student's Name
1	Automated Effluent Treatment Plant	Dr. Supanna S. Shirguppe	Mr. Musharraf Shilledar Mr. Aditya Kamble Mr. Vinod Kotagi
2	Design and prototype development of solar tracker with improved MPP algorithm for low cost air cooler application.		Ms. Nagaveni Naik Ms. Amirun Mulla Ms. Anjali B. Kuge

- ❖ Om Kanguri and Sahana Petkar of 5th sem EEE Dept students along with other branch students Participated as delegate in the event “**Startup Mahakumbha Celebration of the Country's Startups**” held on 18th March to 20th March in New Delhi.



STUDENT PUBLICATIONS

- ❖ Umer Mulla, Rahul Galimath, Shreyas Jodagunde, Vishwanath Shinde have published the paper titled “**Diagnostic Machine safety with IoT Monitoring**” in International Scientific Journal of Engineering and Management volume 03, Issue 05, May-2024.
- ❖ Benny Fernades, Hrishikesh Dhongadi, Simran Patel, Abhishek Chougala have published the paper titled “**Library Inventory Management System**” in International Scientific Journal of Engineering and Management volume 03, Issue 05, May-2024.
- ❖ Musharraf Shilledar, Aditya Kamble, Vinod Kotagi have published the paper titled “**Automated Effluent Treatment System**” in International Scientific Journal of Engineering and Management volume 03, Issue 05, May-2024.

NEWSLETTER EDITORIAL COMMITTEE MEMBERS

ADVISORY COMMITTEE

Dr. Supanna S. Shirguppe
[Prof. & Head of Dept, EEE]

HONORARY EDITORIAL MEMBER

Prof. Basavaraj Hugar

EDITOR

Prof. Ashwini M. Mekkalaki

STUDENT MEMBERS

Mr. Om Kanguri
Ms. Spoorthi K
Mr. Suraj Pachapur
Ms. Sangeeta Hoolikatti

WORKSHOP ON CHARGING STRATEGIES FOR EV

Dept. of EEE organized hands-on Workshop on "CHARGING STRATEGIES FOR ELECTRIC VEHICLES using Matlab-Simulink" for EEE students by Alumnus Mr. Prateek Deshpande on 13/09/2024



S. G. BALEKUNDRI INSTITUTE OF TECHNOLOGY, BELAGAVI-10
(An ISO 21001:2018 certified institution)
Shivabasava Nagar, Belagavi-590010, Karnataka, India
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Accredited by NBA, New Delhi (1-7-2024 to 30-6-2027)





Work Shop on
Charging Strategies for Electric Vehicles
In Association with
AETECH, EV Student Club and IEEE NKSS





DATE: 13/09/2024
TIME: 12.00 NOON TO 5.00 PM
VENUE: GEORGE OHM'S LAB




Mr. Prateek Deshpande
Research Scholar/Ex Application Engineer-Matlab

Prof. Suvanna U. Karki
AETECH Coordinator

Dr. Lalitha Darbha
EV Student Club and IEEE Coordinator

Dr. Supanna S. Shirguppe
HOD, EEE Dept.

Dr. B. R. Patagundi
Principal, SGBIT



Orientation Program for 1st year Students

AETECH INAUGURATION

AETECH inaugural was conducted on 24/9/24. Mr. Sanjay Patil, Director, Shivoham Renewable Energy Pvt. Ltd. was the chief guest. Over 110 students of EEE Dept. attended the event. The event was followed by a technical talk on Renewable energy resources by chief guest and welcome Function to 3rd sem Students.



S. S. Education Trust's (R) S. G. BALEKUNDRI INSTITUTE OF TECHNOLOGY
Shivabasavanagar, Belagavi- 590010
Department of Electrical and Electronics Engineering
(Accredited by NBA)



INVITATION
CORDIALLY INVITE YOU FOR THE INAUGURAL FUNCTION OF
"Association of Electrical Technocrats" (AETECH)
Welcome to Freshers

CHIEF GUEST
Shri. Sanjay Patil
Director, Shivoham Renewable Energy Pvt. Ltd.
Tuesday, 24th September 2024
Time: 10:30am, Venue: SGBIT Prabhudev Auditorium

Prof. Suvanna U. Karki
AETECH Faculty Coordinator

Dr. Supanna S. Shirguppe
HOD, EEE

Dr. B. R. Patagundi
Principal SGBIT, Belagavi



Welcome to Chief Guest

Workshop On Charging Strategies For Ev

ORIENTATION PROGRAM

Dept. of EEE organized orientation Program for First Year students of EEE on 21/09/2024



Introduction about Dept By HOD



DIVYA DEEPOSTAV

Department of Electrical & Electronics, in collaboration with AETECH & Women Empowerment Cell, EEE, SGBIT, organized Divya Deepotsav 2K24 on October 29, 2024. The event featured Rangoli Fiesta, Deepam, and Karthik Crafting, creating a lively and festive atmosphere. It was a successful event, with enthusiastic participation.



Students With Their Innovative Karthik Crafts

HERITAGE WALK

For the 2022 scheme Social Connect and Responsibilities is introduced. As a part of curriculum Heritage walk was organized for 3rd semester students. Students along with faculty visited Kittur and Sangolli on 26/9/24



Visit To Sangolli And Kittur A Part Of Heritage Walk

AWARENESS PROGRAM ON E-RESOURCES

Dept. of EEE conducted an Awareness session on E-Resources by Mrs. Nalini Ambli for 3rd semester EEE students on 26/10/2024.



Awareness Program On E-Resources

INDUSTRIAL VISIT

Industrial visit to Varahi Hydro power plant was organized for 7th semester students on 28 October 2024. Prof. Mallikarjun Bhagwati along with the students visited the power plant.



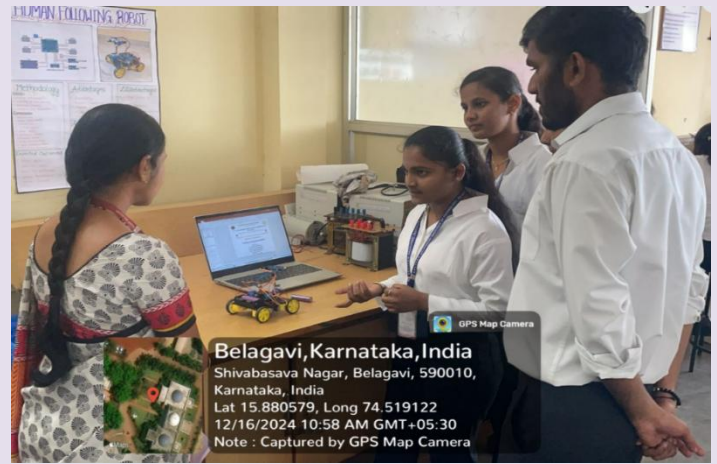
Industrial Visit

INDUSTRIAL VISIT

Industrial visit to Supa Hydro power plant was organized for 5th semester students on 8 November 2024. Prof. Sharanbasav Marihal and Prof. Ashwini B. Mekkalakia along with the students visited the power plant.



Industrial Visit



Students Demonstrating Their Mini Project

PARENTS MEET

Parents Meet for AY 2024-25 was organized by Department of EEE for 3rd and 5th sem students on 16-11-2024.



Parents Meet

MINI PROJECT COMPETITION

Dept. of EEE organized “**Kaushalya -MINI PROJECT COMPETITION**” for EEE students on 16-12-2024. Total of 63 students in 16 project groups participated in the event.



Mini Project Competition Poster

TOPPERS OF EVEN SEMESTER

19
AUGUST

S. S. EDUCATION TRUST'S
S. G. BALEKUNDRI INSTITUTE OF TECHNOLOGY
SHIVABASAVA NAGAR, BELAGAVI-590010, KARNATAKA, INDIA
(AN ISO 21001:2018 CERTIFIED INSTITUTION)

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGG.
(Accredited by NBA, New Delhi)

HEARTY CONGRATULATIONS
TO
TOPPERS OF 2ND SEMESTER

First Place

Second Place

Third Place

BEST WISHES FROM SGBIT FAMILY

HOD, EEE
Dr. Supanna S. Shirguppe

Principal
Dr. B. R. Patagundi

Mr. Shivanand Hirave
(2BU23EE034) (79.50%)

Mr. Ankit Dasankoppa
(2BU23EE004) (82.90%)

Mr. Suraj U. Pachapur
(2BU23EE049) (87.90%)

Toppers of 2nd Semester

S.G.B.I.T
Shivabasavanagar, Belagavi-590010, Karnataka-India
An ISO 20001:2018 Certified Institute

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGG.
Accredited by NBA- New Delhi

Heartly Congratulations
TO
Toppers of 4th Semester
Academic Year-2023-24

Best Wishes from SGBIT Family

HOD, EEE
Dr. Supanna S. Shirguppe

Principal
Dr. B. R. Patagundi

Ms. Khushi Baloji
2BU22EE020 (85.67%)

Ms. Sangeeta H
2BU22EE041 (84.56%)

Ms. Divya Goudar
2BU22EE014 (82.76%)

Toppers of 4th Semester

S.G.B.I.T
Shivabasavanagar, Belagavi-590010, Karnataka, INDIA
(An ISO 21001:2018 Certified Institution)

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGG.
(Accredited by NBA, New Delhi)

"HEARTY CONGRATULATION"
TO
Toppers of 6th Semester
Academic Year - 2023-24

Best Wishes From SGBIT Family

HOD, EEE
Dr. Supanna S. Shirguppe

Principal
Dr. B. R. Patagundi

Ms. Apoorva C. M
2BU21EE004 (86.00%)

Ms. Sahana Petakar
2BU21EE018 (84.13%)

Ms. Spoorthi Koujalgi
2BU21EE021 (84.00%)

Toppers of 6th Semester

FACULTY ACTIVITIES

- ❖ **Prof. Mallikarjun M. Bhagavati** participated in 3 Days Online FDP on “**Harnessing Open Source Tools for Power Systems Research**” organized by Department of Electrical and Electronics Engineering, GSSS Institute of Engineering and Technology For Women, Mysuru, in association with IEEE PES Student Chapter & PowerTech Club, From 29th Jan to 31st Jan 2025
- ❖ **Prof. Santosh Raikar** participated in 5 Days Online FDP on “**Empowering Academic Excellence: Elevating Skills through Technology- Enabled Teaching ,Learning and Research**” organized by Department of Commerce ,From 21st October to 25th October 2024.
- ❖ **Prof . Suvarna Karki** gave a Technical Talk on “ **Reactive power and its significance in Electrical Power System**” in Jain College of Engineering ,Belagavi on 3rd October 2024.
- ❖ **Dr. Suppanna S. Shirguppe, Prof. Chetan Kudale, Prof. Sharanbasav Marihal, Prof. Pravina Mali and Prof. Ashwini B. Mekkalali** participated in 15 Days STTP on “**Python for Data Analysis**” organized by iFutureTech Belagavi, in association with Department of Computer Science & Engineering and Department of Basic Science & Humanities. at SSET's S.G.Balekundri Institute of Technology, Belgavi From 5th Aug to 22nd Aug 2024.
- ❖ **Dr. Suppanna S. Shirguppe, Prof. Suvarna U. Karki, Prof. Santosh Raikar and Prof. Mallikarjun M. Bhagavati** participated in 3 Days Face-to-Face FDP on “**Inculcating Universal Human Values in Technical Education**” organized by AICTE, Delhi at SSET's S.G.Balekundri Institute of Technology, Belgavi From 1st Aug to 3rd Aug 2024

FACULTY ACHIEVEMENT

- ❖ **Dr. Supanna S. Shirguppe and Prof. Basavaraj Hugar** have published paper on “**Virtual Electrical Measurement Lab Using Matlab- Simulink**” in International Journal of Research and Analytical Reviews(IJRAR), Volume-11, Issue-4, ISSN 2348-1269, Nov 2024
- ❖ **Prof. Basavaraj Hugar** Awarded as Certified Trainer for “**Solar PV Installer(Suryamitra)(SGJ/Q0101)-V3.0**” by Skill India National Skill Qualification Framework Level-4.

STUDENT ACHIEVEMENT

- ❖ Total 15 students participated in “**Smart India Hackthon**” competition.
- ❖ **Carol R Jones** from 4th sem awarded as “**Best player**” from IEEE

NAIN 2.0 Selected Projects:

Sl. No	Project Title	Name of the Students	Name of the Guide	Amount Sanctioned
1	Automated Effluent Treatment System.	Adnan Belawadi Misbah Killedar Prachi Jakannavar Rohan Bhajntri	Dr. Supanna S. Shirguppe	Rs.2,00,000
2	Renewable Energy- Urja Wave	Suraj Pachapur Ankit Dasankoppa Vaishnavi Patil Prakul Hiremath Harshit Hiremath	Prof.Suvarna Karki	Rs.2,00,000
3	Tri Brid-Vehicle	Karthik Payannavar Basavaraj Bhusani Darshan Badiger Priyanka Badiger	Prof. Mallikarjun Bhagawati	Rs.2,00,000

Project Title: Renewable Energy- Urja Wave

**STARTUP KARNATAKA****RESEARCH PARK**
Spillo • Incubate • Innovate



Guide



Prof. Suvarna Karki

Team



Suraj Pachapur Ankit Dasankoppa Vaishnavi Patil Harshit Hiremath Prakul Hiremath

Project Title: Automated Effluent Treatment System.





Guide



Dr. Suppana Shirgupe Dr. Prashant Bhagawati

Team



Adnan Belwadi Misbha Killedar Prachi Jakkannawar Rohan Bojantri

Project Title: Tribrid-Vehicle





Guide



Prof. Mallikarjun Bhagawati

Team



Kartik Payannavar Basavaraj Bhusani Darshan Badiger Priyanka Badiger

NEWSLETTER EDITORIAL COMMITTEE MEMBERS

ADVISORY COMMITTEE

Dr. Supanna S. Shirguppe
[Prof. & Head of Dept, EEE]

HONORARY EDITORIAL MEMBER

Prof. Basavaraj Hugar

EDITOR

Prof. Ashwini M. Mekkalaki

STUDENT MEMBERS

Mr. Om Kanguri

Ms. Spoorthi K

Mr. Suraj Pachapur

Ms. Sangeeta Hoolikatti