



JAIN COLLEGE OF ENGINEERING, BELAGAVI

IMPETUS

The Official Newsletter of TESLA & IE(I) STUDENT'S ASSOCIATION

2022

**DEPARTMENT
OF
ELECTRICAL AND ELECTRONICS
ENGINEERING**

TESLA & IE(I) STUDENTS'S CHAPTER ELECTRICAL



Department of Electrical & Electronics Engineering

Vision of the Department

“To impart quality technical education for creating competent technocrats with moral values in the field of Electrical Sciences to contribute for the betterment of the society”

Mission of the Department

- Develop ability of comprehensive understanding of state of the art, knowledge in Electrical Engineering concepts.
- Take up research and carve expertise in the field of Electrical Engineering with a holistic approach for contributing to nation building.
- Ingrain the sense of creative thinking, participation and team work.

MESSAGE FROM DIRECTOR

I am gratified to know that the Department of Electrical and Electronics Engineering is bringing out the “IMPETUS-2022”, it is a kind of activity which motivates students to share and learn showcasing their talents. I wish “Department of Electrical and Electronics Engineering” a very big success in all their ventures. I also applaud the coordination and efforts behind the team to bring out this edition of department magazine beautifully. I wish them all success. To students and faculty.

Prof.R.G. Dharwadkar

MESSAGE FROM PRINCIPAL

It gives me immense pleasure to learn that It gives me immense pleasure to learn that Department of Electrical and Electronics Engineering is bringing out “IMPETUS-2022”, in style. I place on record the efforts of all students and faculty members for their systematic collection and editing to publish this edition in a magnificent way. My congratulations to all students and faculty of the department.

Dr. J. Shivkumar

MESSAGE FROM HOD

I am glad to see that our departmental magazine “**IMPETUS-2022**”, is published on time. It is coordination and team work of our students and faculty to bring it in style showcasing the contributions of students and faculty in academics, sports, competitions and other extracurricular activities. I thank management and principal for all the support extended towards this noble cause.

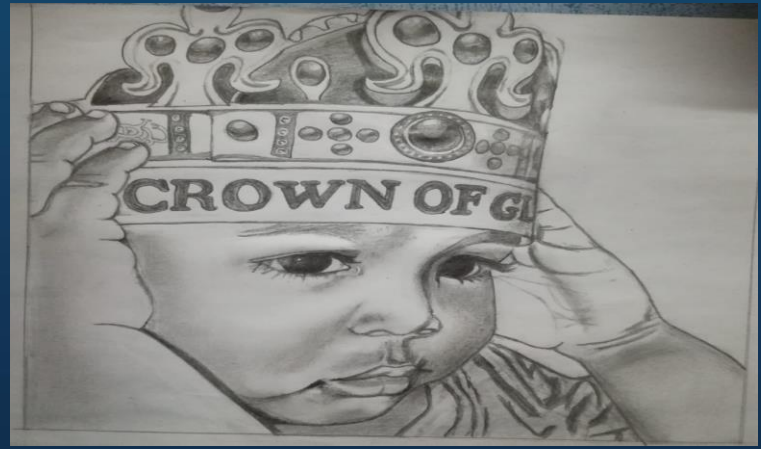
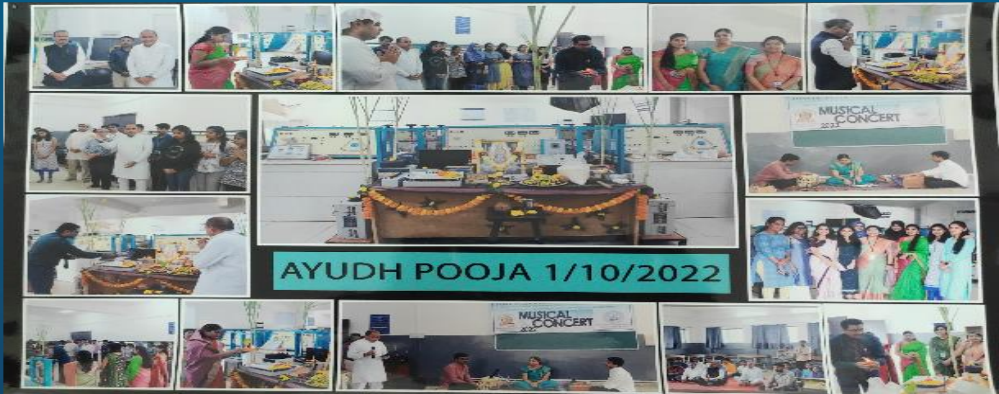
Dr. G. H. Kulkarni

MESSAGE FROM EDITORIAL BOARD

As the editors of “IMPETUS-2022”, Department of Electrical and Electronics Engineering, we would like to convey our regards to the faculty members and students for making happen.

*“IMPETUS-2022”, is reflection of Department activities showcasing the experiences achievements and performance in curricular and co-curricular activities for the year 2021-2022. **We thank all the students for sharing the information and the editing work in bringing this edition in a spectacular way.***

Prof. Ashok N. Joshi & Prof. Akshata Patil



Art by Mr. Michael Simon Veerendrapur
3rd Sem

Department Profile

- The Department of Electrical and Electronics Engineering (EEE) has consistently maintained an exemplary academic record.
- The greatest asset of our department is our highly committed, motivated and learned faculty members.
- Diversity of expertise of the faculty the support of other staff prepares our students to work in highly challenged global environment with moral values.
- Our students have been selected by many of the world's leading industries and organizations.
- Department has received grant of 20 lakhs from Vision Group of Science & Technology under the guidance of Dr. G. H. Kulkarni.
- Many of our faculty and students have presented/ published number of technical papers in national and international journals/conferences.

Faculty Member's

- Dr. G. H. Kulkarni, Ph.D., Professor & Hod
- Dr. Debraj Sarkar, PhD Associate Professor
- Prof. Ashok N. Joshi, M.Tech, Assistant Professor
- Prof. Nagaraj R.Aiholli, M.Tech, Assistant Professor
- Prof. Shubha B Baravani, M.Tech, Assistant Professor
- Prof. Vinod S. Patil, M.Tech, Assistant Professor
- Prof. Vireshkumar G. Mathad, M.Tech, Assistant Professor
- Prof. Laxmi Brungi, M.Tech, Assistant Professor
- Prof. Geetha Hebbal, M.Tech, Assistant Professor
- Prof. Priyanka Kothavale, M.Tech, Assistant Professor
- Prof. Yuvaraj Patil, M.Tech, Assistant Professor
- Prof. Akshata Patil, M.Tech, Assistant Professor
- Prof. Shubha B Baravani, M.Tech, Assistant Professor
- Prof. Vinod S. Patil, M.Tech, Assistant Professor
- Prof. Vireshkumar G. Mathad, M.Tech, Assistant Professor
- Prof. Laxmi Brungi, M.Tech, Assistant Professor
- Dr. Tamalika Chowdhury, Ph.D., Assistant Professor



Ms. Shafiya Jagadal
Toppers in 7th & 8th Semester



Mr. Ratan Laxman Birje
Topper in 5th & 6th Semester



Mr. Ramanagouda C. Patil
Topper in 3rd & 4th Semester

Faculty Achievements

- Prof. Vireshkumar Mathad, awarded Ph.D on the topic “Unified Power Flow Controller Technique to Improve Power System Performance using Neural Network”, under the guidance of Dr. Gururaj H. Kulkarni.
- Prof. Vinod S. Patil, awarded Ph.D on the topic “Power Quality Issues in Grid Interactive Renewable Sources based Integrated Generation for Rural Electrification”, under the guidance of Dr. Gopalkrishna D. Kamalapur.
- Prof. Nagaraj Aiholli, submitted thesis on the topic “Implementation of Squarer in Modulator Arithmetic using $2^n \pm 3$ as base”, under the guidance of Dr. Uday V. Wali.
- Prof. Vinod S. Patil, published paper titled “Economical Analysis of Grid-connected and Off-grid Hybrid Power Systems Using HOMER PRO”, in Techno-Societal 2022 in Collaboration with Springer Book Chapter.
- Prof. Laxmi Brungi published paper titled “Smart Safety Gadget for Women”, in Techno-Societal 2022, in Collaboration with Springer Book Chapter.