



E – Newsletter 2021

Department newsletter January – June 2021

Our Vision

To train globally competent quality students in Electrical Engineering through excellent academic inputs, innovative ideas and team work.

Our Mission

- ✦ To enhance the quality of life of students through continuous learning and state-of-the-art technical education.
- ✦ To meet the long term needs of the industry & society,
- ✦ To inculcate leadership qualities & ethical values.
- ✦ To serve the Community for the socio economic developments.

About The Department

The Department of Electrical & Electronics Engineering was started in the year 1979 with an intake of 40 students. Now the department has academic programme with an intake of 60. Department is duly recognized and accredited By National Board of Accreditation, AICTE, New Delhi and The Institution of Engineers (India), Kolkata.

The Department of Electrical Engineering, which has renowned as well as young and dynamic personalities as faculty, is involved in providing quality education to undergraduate (UG) level. It offers quality research in the Phd programs. The department has testing facilities for carrying out industry sponsored research and consultancy projects.

Message From HOD's Desk

We are happy to bring out our department E-Forum newsletter, which showcases all the activities of the department. I congratulate the team for their continuous effort.



Dr M S NAGARAJ
Prof & HOD



Laboratory facilities

Department as a broad based UG curriculum & the syllabus of the courses are continuously updated and the laboratories modernized to reflect the rapid changes in technology. The department is equipped with the latest experimental and computational facilities meet the curriculum. The total expenditure on Instruments, Equipments and Computers is Rs.52 Lakhs. The major laboratories in the department are Electronics, Microcontroller, Machines, Control system, Measurement, Power system simulation & High voltage & relay.

Major Equipments and Software

Department has many major equipments. Major equipments are Digital trainer kits, Power Electronics Modules, 8051 Flash Programmable Microcontroller Evaluation Board (MCB 51) with interfacing modules, DC and AC Machines sets, Transformers, Auto-Transformers, Servo Stabilizer, Air-Cooled Rectifier Unit, Phase-Shifting Transformer, HV Testing Transformer, 5-Stage Impulse Voltage Generator, Continuously Variable Auto-Transformer, 60kV HV Testing Transformer, Digital Storage Oscilloscope, HV Rectifier Unit, Computers, UPS, 200kVA diesel generator. Department has Mi-Power software Packages with 6 user, Microcontroller-Keiluvision#3(C51), Labview with 10 Users, PSPICE Student Version.

Departmental Library

We have department library with 1466 books with 424 titles. Every year books are added to the library from the forum. Every semester two books are issued to students. Electrical and Electronics Engineering books available in the Central Library with 8584 with 1418 titles. Twenty Three National and International Journals





StaffActivities

✚ Mr. Karibasavaraju T S., Asst. Professor has participated in the Four Days Online Faculty Development Program (FDP) on “Renewable Energy Conversion & Management” organized by Department of Electrical Engineering from 27- 30/01/2021.

✚ Mr. Basavarajappa S R, completed the AI Master Class using MATLAB at Pantech Prolabs India Pvt. Ltd from 18/01/2021 to 01/02/2021.

✚ Sri. Shadaksharaiah C, Asst. Professor has participated in the Five Days National Level Faculty Development Programme on “Computational Biology”, School of Computer Science and Engineering of REVA University, Bangalore from 01- 05/02/2021.

✚ Kum.Vidya G.H. Asst. Professor, has attended the NBA Awareness Webinar on Outcome Based Education and Accreditation jointly organized by National Board of Accreditation, New Delhi and Visvesvaraya Technological University, Belagavi on 16/02/2021.

✚ Shivakumarswamy G.M., Vijayalakshmi S Hallikeri, Vidya G.H., Devika Hebbal , Kiran H.T and Ashwini A. Asst. Professor has participated in the webinar on “Advances in Solar Energy Technology” conducted by the Department of Electrical & Electronics Engineering, The Oxford College of Engineering, Bengaluru on 01/01/2021.

✚ Mr. Shivakumarswamy G.M., Vijayalakshmi S Hallikeri, Vidya G.H., Mr Kiran H.T, and Vidya G.H ,Asst. Professor has participated in a webinar on “Recent trends in Electrical Power System” , conducted by the Department of Electrical & Electronics Engineering, Angadi Institute of Technology & Management, Belagavi on 06/01/2021

✚ Dr. Anjaneya L. H., Associate Professor participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)" from 04/01/2021 to 08/01/2021 at Jawaharlal Nehru National College of Engineering.

✚ Mr. Kiran H.T., Prashanth Kumar H.K , Devika Hebbal and Ashwini A, Asst. Professor has participated in webinar on “Rural Electrification in India and Feasibility Study of Solar Home System”, conducted by the Department of Electrical & Electronics Engineering, K L E Institute of Technology, Hubballi on 07/01/2021.

✚ Mr. Basavarajappa S R, Asst. Professor has participated in the IEI Technical Webinar on the theme “E-Bike Design, Retrofitting and EV Charging “organized by Kattankulathur Local Centre of The Institution of Engineers (India) under the aegis of Electrical Engineering Division on 12/01/2021.

✚ Kum. Vidya G.H. Asst. Professor has participated in “One day International Webinar on Autonomous Vehicles the Future of Transportation”, organized by Department of Computer Science, St. Philomena’s College (Autonomous), Mysore on 16/01/2021.

✚ Sri. Shadaksharaiah C, Asst. Professor has participated in the five days Online Faculty Development Program (FDP) on Data Mining & Analytics organized by School of Computer Science and Engineering of REVA University, Bangalore from 17- 23/02/2021.

✚ Smt.Vijayalakshmi S Hallikeri, Asst. Professor , Mr. Keerthi Kumar S.H., Asst. Professor & Mr. Kiran H.T., Asst. Professor has completed AICTE-ISTE Sponsored Orientation/ Refresher Programme On “Accreditation: An Accelerator for Quality Improvement in Engineering Education”, organized by S.D.M College of Engineering & Technology, Dharwad from 18- 24/02/2021.

✚ Mr. Sandeep Y.M ., Asst. Professor has attended a webinar titled “Demand-Side Management in Smart Grid Operation”, organized by the Department of Electrical and Electronics Engineering, Vaagdevi College of Engineering, Warangal, Telangana on 20/02/2021.

✚ Mr. Karibasavaraju T S., Asst. Professor & Mr. Basavarajappa S R., Asst. Professor has participated in a “Three Days FDP on Artificial Intelligence using MATLAB”, organized by CoreEL Technologies from 23-25/02/2021.

✚ Mr. Karibasavaraju T S., Asst. Professor has participated in a webinar on “FDP on Data Science and Analytics using MATLAB” organized by CoreEL Technologies on 24/02/2021.

✚ Smt.Vijayalakshmi S Hallikeri, Asst. Professor attending the webinar on “Modeling Uncertainty for Image Analysis” Organized by IEEE Information Theory Society (ITS) Bangalore Chapter in Association with IEEE Bangalore Section & IEEE Mysore Sub Section on 25/02/2021.

✚ Smt.Vijayalakshmi S Hallikeri, Asst. Professor attended the webinar on “Ecological Reconversion of Cars: the Case of Solar Hybridization” organized by IEEE Mysore Sub Section in Association with IEEE Bangalore Section on 02/03/ 2021.

✚ Smt.Vijayalakshmi S Hallikeri, Asst. Professor attended the webinar on “Novel Two-Factor Honey Token Authentication Mechanisms”, organized by IEEE Information Theory Society (ITS) Bangalore Chapter, in association with IEEE Bangalore Section and IEEE Mysore Subsection on 8/03/2021.

✚ Smt.Vijayalakshmi S Hallikeri, Asst. Professor, attended the Webinar on “Intelligent receiver design and future communication for 6G technology” organized by IETE Mysuru Centre held on 13/03/2021.

✚ Smt.Vijayalakshmi S Hallikeri, Asst. Professor , attended the webinar on “Yoga for Mindfulness”, organized by IEEE Mysore Sub Section in Association with IEEE Bangalore Section & IEEE Bangalore Section WIE on the occasion of international women’s day celebrations held on 14/03/ 2021.

✚ Smt. Sowmya Anand & .Kiran H.T, Asst. Professor has participated in AICTE-ISTE Sponsored Orientation/ Refresher One Week Online Programme on “Model Based Design Using MATLAB, Electronic Design Automation Technologies”, organised by K. I. T.’ s College Of Engineering (Autonomous), Kolhapur from 09/3/2021 to 15/03/2021.

✚ Smt.Vijayalakshmi S Hallikeri, Asst. Professor, has participated in the webinar on “SDG 6 - Clean Water and Sanitation”, organized by NSDF Shimla on 17/03/2021.

✚ Mr. Sandeep Y.M Asst. Professor has participated in Blog-a-Thon: Boot Camp and Competition organized by Department of Computer Science and Engineering, BIET on 25/03/2021.

✚ Mr. Sandeep Y M Asst. Professor has participated in Webinar on “Recent trends in Power Systems and Power Electronics”, organized by Department of Electrical and Electronics Engineering, Poojya Doddappa Appa College of Engineering, Kalburgi, under TEQIP-III from 25- 27/03/2021.

✚ Smt.Vijayalakshmi S Hallikeri, Asst. Professor, participated in the Webinar on “Internet of Things and TinyML: The New Era of Smart Objects” organized by IETE Mysuru Centre held on 26/03/2021.

✚ Smt.Vijayalakshmi S Hallikeri, Asst. Professor, actively participating in the International webinar series organized by IEEE Mysore Sub Section from 26/03/2021 to 29/03/2021.

✚ Smt.Vijayalakshmi S Hallikeri, Asst. Professor has participated in the Webinar on “Data Science” organized by IETE Mysuru. Centre on occasion of “Women’s Day Celebration” held on 27/03/2021.

✚ Sri. Shadaksharaiah C, Asst. Professor attended the One Week Online FDP on “Essential Skills and Technologies for Quality Research” organized by Library and Information Center, P. E. S. College of Engineering, Mandya from 30/03/2021 to 03/04/2021.

✚ Sri. Shadaksharaiah C, Asst. Professor has participated in Karnataka State Higher Education council Sponsored Three Day Online Faculty Development Programme on “Intellectual Property Rights and Patents” in association with VVCE, IEEE Computer Society Student Chapter, VVCE, Mysore from 8/04/2021 to 10/04/2021.

✚ Smt.Vijayalakshmi S Hallikeri, Asst. Professor, participated in the Expert Talk on ‘Cognitive Buildings’ organized by IEEE Mysore Subsection in association with IEEE Bangalore Section and IEEE Information Theory Society Bangalore Chapter on 15/04/2021.

✚ Smt.Vijayalakshmi S Hallikeri, Asst. Professor , participated in the Expert Talk on ‘Introduction to Cybersecurity at Physical Level’ organized by IEEE Mysore Subsection in association with IEEE Bangalore Section and IEEE Information Theory Society Bangalore Chapter on 16/04/2021.

✚ Mr. Basavarajappa S R, Asst. Professor has participated in the IEI Technical Webinar on the theme “SMART GRID USING SMART METERS AND SMART PHONE “organized by Meerut Local Centre of The Institution of Engineers (India) under the aegis of Electrical Engineering Division on 18/04/2021.

✚ Smt.Vijayalakshmi S Hallikeri, Asst. Professor participated in the Webinar on ‘Advanced Biometric Techniques’ organized by IEEE Mysore Subsection Subsection in association with IEEE Bangalore Section and IEEE Information Theory Society Bangalore Chapter on 23/04/ 2021.

✚ Smt.Vijayalakshmi S Hallikeri, Asst. Professor, participated in online talk and practical session on Day 3: Connecting to self-part of health and Wellness Program organized by WiE & Student Coordination Team, IEEE Bangalore section on 28/04/2021.

✚ Smt.Vijayalakshmi S Hallikeri, Asst. Professor, attended the webinar on “Time Synchronization of Networked IoT devices: Techniques, Issues and applications” organized by IEEE Information Theory Society (ITS) Bangalore Chapter on 28/04/2021.

✚ Smt. Vijayalakshmi S Hallikeri, Asst. Professor, has participated in the Webinar on “Printable Electronic Sensors to Enable New Connected Platforms” organized by IETE Mysuru Centre held on 30/04/2021.

✚ Smt. Vijayalakshmi S Hallikeri, Asst. Professor attended the webinar on “Mathematical Precision Analysis of DSP Algorithms” organized by IEEE Information Theory Society (ITS) Bangalore on 7/05/2021.

✚ Smt. Vijayalakshmi S Hallikeri, Asst. Professor has participated and successfully completed One Week Online Faculty Development Program (FDP) on "Design and Development of Automated System using PLC" Organized by Department of Electrical Engineering, Kolhapur Institute of Technology's College of Engineering (Autonomous), Kolhapur from 14/05/2021 to 19/05/2021.

✚ Mr. Sandeep Y.M, Asst. Professor has participated in the webinar on “Hybrid Electric Drive - Trains” conducted by the Department of Electrical & Electronics Engineering, the Oxford College of Engineering, on 15/05/2021.

✚ Smt. Vijayalakshmi S Hallikeri., Asst. Professor, participated in the International Webinar on “Antenna Array Processing for Wireless Power Transfer in Near Field Applications” organized by IETE Mysuru Centre on 17/05/2021.

✚ Shilpa S K has successfully completed the AICTE-ISTE approved Orientation/Refresher Programme on “Small Wind Turbines: Design, Development and Testing” organized by KJ's Educational Institute Trinity College of Engineering and Research, Pune, Maharashtra during 19/05/2021 to 25/05/2021.

✚ Smt. Vijayalakshmi S Hallikeri., Asst. Professor attended the International webinar on “Evolutionary Learning and its Engineering Applications” organized by IEEE Student Branch-GSSS Institute of Engineering and Technology for Women, Mysore on 21/05/2021.

✚ Mr. Basavarajappa S R, Asst. Professor has presented Load Frequency Control of Three Area Interconnected Power System using Conventional PID, Fuzzy Logic and ANFIS Controllers in 2nd International Conference of Emerging Technology (INCET 2021) during 21/05/2021 to 23/05/2021.

Sponsored Projects

✚ S.M.P Mahir Khadri, Chandan AP, Pallavi.M.Shet and Promodh.C.S of 8th sem student's project “Iot Basec Smart Equipment For Safety” under the guidance of Dr.M.S.Nagaraj, HOD, EEE as got selected to KSCST Project.

✚ Anusha.B, Lekhana.G.P, B.Kavaya, Kiranashree.M.S of 8th sem students project “Smart Waste Management System Using Iot” under the guidance of Prof.Karibasavaraj.T.S got selected to KSCST Project.

✚ Sucheth.E, Sindhu.H.E, Gagana.T.M, & Suraj.MR of 8th sem students project “Ultrasonic Blind Mate With Gps Tracking” under the guidance of Prof.C Shadaksharaiah. Got selected to VTU Project.

✚ Pournanjali.D.K, Jyothi.A.M, Nandish.K.C, Ramesh.k of 8th sem. student's project “Monitoring of Electric Vehicle Battery & Low Voltage Alert System” under the guidance of Dr.Anjaneya.L.H got selected by VTU, Bealgavi.

Faculty Paper Presented /Published

✚ Mr.Shiva Kumara Swamy G M & Vidya G H Asst. Professor International Journal of Scientific Research in Computer Science, Engineering and Information Technology Study of Frequency and polarization Reconfigurable on square patch antenna Volume 1, Issue 1| March, 2021.

✚ Dr. M S Nagaraj HOD,EEE & Mr S.R.Basavarajappa Asst. Professor Published 2nd International Conference for Emerging Technology Load Frequency Control of Three Area Interconnected Power System using Conventional PID, Fuzzy Logic and ANFIS Controllers Belgaum, India. 21/05/2021 to 23/05/2021.

Events Organized

✚ Electrical forum organized Two days hands on workshop on “IoT & its Prototypes” from 13.01.2022 to 14.01.2022



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