

**Department of Electrical and Electronics**  
**BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY DAVANAGERE**  
Accredited by NAAC with 'A' Grade



*The official department newsletter July – December 2020*



# E –Newsletter 2020

## **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

## **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.

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### **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 have been subscribed to Central Library.

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## **Activities at 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.

## **Staff Activities**

- ❖ Mr. Basavarajappa.S.R as attended in a National Webinar on Deep Learning in Visual Recognition organized by the Department of Electrical and Electronics Engineering in association with ISTE Student Chapter & IEEE Student Branch, Sree Vidyanikethan Engineering College, AP, Tirupati, on 2<sup>nd</sup> July, 2020.
  - ❖ Mr. Basavarajappa.S.R as attended Participated in the webinar program on Problem Statement for Research in Electric Vehicles organized by Haritha TechLogix, Bengaluru, on 5<sup>th</sup> July, 2020.
  - ❖ Mr. Kiran H T as attended the webinar on Technical Education Quality Improvement Programme (TEQIP-III) sponsored International Workshop on “Electric Power Grid Modernisation: Trends, Challenges and Opportunities” held from 20<sup>th</sup> to 24<sup>th</sup> July 2020.
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- ❖ Miss. Vidya .G.H as attended National Level Online Technical Quiz on “Fundamentals of Electrical Power Generation and Economics” Organized by SJM Institute of Technology, held on 10<sup>th</sup> to 13<sup>th</sup> July 2020.
  - ❖ Miss. Vidya .G.H as attended online Five days Faculty Development Program on “Sensors and Their Applications” organized by IEEE Council, Vemana Institute of Technology, Bangalore held on 13<sup>th</sup> to 17<sup>th</sup> July 2020.
  - ❖ Miss. Vidya .G.H as attended online Webinar on “OS and Automotive Systems” organized by Vemana Institute of Technology, Bangalore held on 18<sup>th</sup> July 2020.
  - ❖ Miss. Vidya .G.H as attended National Level online Five days Faculty Development Program on “Contemporary Scenario in Power Systems” Organized by ATME College of Engineering ,Mysuru , held on 25<sup>th</sup> to 30<sup>th</sup> July 2020.

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- ❖ Mrs.Sowmya Anand as attended a ONE week webinar program on “Power Electronics :Recent Trends And Applications” from 3<sup>rd</sup> to 10<sup>th</sup> August 2020 conducted by Department of Electrical and Electronics Engineering, SIT College, Tumkur.
- ❖ Mrs.Sowmya Anand as attended a Five Days online FDP program on “Recent Research Development in Electrical Engineering” conducted by Department of Electrical and Electronics Engineering, PES Institute of Technology and Management, from 4<sup>th</sup> -8<sup>th</sup> August 2020 Shivamogga.
- ❖ Mr.Basavarajappa.S.R as attended in one week online FDP on Recent Trends and Emerging Technologies in Solar and Wind Energy Conversion Systems conducted by Dept. of E&E Engineering, J.N.N College of Engineering, Shivamogga, in association with The Institution of Electronics and Telecommunication Engineers (IETE) held from 10th August 2020 to 14<sup>th</sup> August 2020.

- ❖ Miss.Vidya .G.H as attended online Webinar on “ Interfacing Analog and Digital Sensors using Microchip Enhanced PIC Microcontroller” organised by Vemana Institute of Technology, Bangalore held on 14<sup>th</sup> August 2020
- ❖ Mr.Keerthi Kumar S H Attended Faculty Development Programme on “Advances in Power Electronic Applications” organised by BMS Institute of Technology and Management, held from 4<sup>th</sup> to 8<sup>th</sup> 2020 Bangalore.
- ❖ Mrs.Sowmya Anand as attended a One week online FDP program on “Emerging Trends In Power Electronics And Power System” conducted by Department of Electrical and Electronics Engineering, OP Jindal University from 24th - 29th August 2020,Raigarh,Chattigarh,India.

Mr.Kiran H T Published Journal paper in International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), Volume 2, Issue 9, on “Automatic Irrigation System with Valve Control” paper ID IRJMETS636891 September 2020.

Mr.Keerthi Kumar S H published a paper in IJIRT by the name “Development of Smart Electric Vehicle Charging Station-An off Grid Bunk” 2020

Mrs.Vijayalakshmi.H , Mrs.Sowmya Anand & Miss Vidya.G.H as attended International Conference on “AI, Robotics and Automation” conducted by ICT Academy of Tamilnadu from 14<sup>th</sup> to 18<sup>th</sup> Oct, 2020

Mrs.Vijayalakshmi.H , Mrs.Sowmya Anand & Miss Vidya.G.H as attended International Conference on “Signals, Communication and Embedded Systems” conducted by ICT Academy of Tamilnadu from 14<sup>th</sup> to 18<sup>th</sup> Oct, 2020.

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❖ Mrs.Vijayalakshmi.H , Mrs.Sowmya Anand & Miss Vidya.G.H as attended International Conference on “Sensors, Energy and Hybrid Vehicles” conducted by ICT Academy of Tamilnadu from 14<sup>th</sup> to 18<sup>th</sup> Oct, 2020.

❖ Mrs.Vijayalakshmi.H , Mrs Sowmya Anand & Miss Vidya.G.H as attended International Conference on “Advances in IoT, High Performance and Computing” conducted by ICT Academy of Tamilnadu from 14<sup>th</sup> to 18<sup>th</sup> Oct, 2020.

❖ Mr.Basavarajappa.S.R Mr.T.S.Karibasavaraju, Mrs.Vijayalakshmi.H & Mrs Sowmya Anand as attended a webinar on “Remote Lab Platform for Hardware Circuit Experiments” on 10<sup>th</sup> November 2020 conducted by the Department of Electronics and Communication Engineering in association with Institution of Engineers (India), Davangere Local center, Davangere.

❖ Miss.Vidya .G.H as attended online Webinar on “Remote Lab Platform for Hardware Circuit Experiments” organised by BIET, Davangere held on 10<sup>th</sup> November 2020.

❖ Mr.Keerthi Kumar S H Attended 5-days Faculty Development Programme on “Tools and Techniques for Effective Research Writing” organised by PES Institute of Technology and Management, from 7<sup>th</sup> to 11<sup>th</sup> November 2020 Shivamoga.

❖ Mr.T.S.Karibasavaraju ,Mrs.Vijayalakshmi.H as attended 5 Days Online FDP on “Tools and Techniques for Effective research Writing” conducted by E&E dept., PES Institute of Technology and Management, Shivamogga from 7<sup>th</sup> to 11<sup>th</sup> December,2020.

❖ Mr.T.S.Karibasavaraju as attended in AICTE Sponsored One week online short Term Training program on “Recent Developments in Smart City (Smart-2020)” Organized by Department of E&E Engg. SSIT, from 7<sup>th</sup> to 12<sup>th</sup> December 2020. Tumkuru.

❖ Mr.Basavarajappa.S.R, Mr.Kiran H T as attended 5-days online Faculty Development Program on “Tools and Techniques for Effective Research” Writing organized by Department of Electrical and Electronics Engineering, PES Institute of Technology and Management, held from 7<sup>th</sup> to 11<sup>th</sup> December 2020,Shivamogga.

❖ Mr.Basavarajappa.S.R as attended in the online webinar on 30 Days Master Class on “Matlab Simulink at Pantech Prolabs” India Pvt. Ltd. In association with Andhra Pradesh State Skill Development Corporation (APSSDC) held from 22<sup>nd</sup> to 23<sup>th</sup> November 2020.

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## **Students Activities**

- ❖ Chandhan B R as won Third Prize in Guitar competition in event called “Yuvajanosthava - 2020” YUVAAH held on 28<sup>th</sup> December 2020, Davangere.
- ❖ Chandhan B R as Won 3rd Prize in solo singing competition in INDUCTION PROGRAM held on 28<sup>th</sup> December 2020 BIET-Davangere.

## **Editorial Committee**

### **Chief Editor:**

**Dr M S NAGARAJ**

Prof & HOD

### **Staff Editors:**

**Mrs.SOWMYA ANAND**

Asst. Professor

**Mr.NIRANJAN S H**

Asst. Professor

### **Student Editors**

1. MANJUNATHASWAMY D L

2. ABHIGHNA S