



**Don Bosco Institute of Technology, Bangalore**  
(NAAC Accredited Institution)  
**Department of Electrical & Electronics Engineering**  
(Accredited by NBA & Permanently affiliated to VTU)



**VOLUME 3**  
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**EDITOR IN CHIEF**

Dr. Anguraja R  
Professor & HOD  
Dept. of Electrical & Electronics Engineering

**MEMBER**

Mr. Raveendra R  
Asst. Professor

Mr. Rajath Shankar P S  
Asst. Professor



**Editorial Board**

**Sri. B. Bylappa, President, WET**

I am very happy that the Department of Electrical & Electronics Engineering is bringing out an E –NEWS LETTER. I congratulate all those concerned with this work.

**Sri. B. Manjunath, Executive Director, DBIT**

Congratulations to the Principal, HOD & Faculty of Department of Electrical & Electronics Engineering. Keep it up. Nice work portraying achievements of the department expecting many more editions in future.

**Sri. Raghav Bylappa, Secretary, WET**

Happy to learn that the Department of Electrical & Electronics Engineering is progressing very fast and lots of events are being conducted. I wish all the success to the Faculty of the department and to the EEE “E -NEWS LETTER”



Testimonials

**Dr. Hemadri Naidu T, Principal, DBIT**

Dear Dr. Anguraja R  
You and your Colleagues are to be congratulated for the endeavors in bringing up the bench mark of quality of the department by organizing many student development oriented activities. My hearty Best Wishes to EEE “E -NEWS LETTER”

## VISION

To impart value based technical education and train students through continuous improvement in teaching effectively and efficiently, learning and associated processes and to collaborate with industry, foreign universities and institutions for academic exchange programme for faculty and students.

## MISSION

To provide an excellent learning opportunity for all students and staff to develop knowledge and skills essential in enlightening the individual's ability to think vitally and utilize Electrical and Electronics in detail to meet the technological challenges of tomorrow and to refine knowledge and understanding through research and creative activities.

### PROGRAM EDUCATIONAL OBJECTIVES (PEOs')

PEO 1: To prepare students for graduate and postgraduate programmes and to succeed in a career in Electrical & Electronics Engineering related fields.

PEO 2: To provide students with a foundation in fundamental engineering principles together with in-depth disciplinary knowledge or solid foundation in mathematical, scientific and engineering fundamentals required to succeed in technical profession

PEO 3: To train students with a broad-based scientific and engineering knowledge so as to comprehend, analyze, design, and create innovative products and solutions for the real life problems.

PEO 4: To inculcate in students professional and ethical attitude with a strong character and to uphold the spiritual and cultural values, effective communication skills, teamwork skills, multidisciplinary approach, and an ability to relate engineering issues to broader social context.

PEO 5: To provide student with an academic environment aware of advanced technological growth leading to life-long learning needed for a successful professional career, excellence and leadership.



**DB** Wayanamac Education Trust (R)  
**DON BOSCO INSTITUTE OF TECHNOLOGY**  
Kumbalagodu, Mysuru Road, Bengaluru - 560074

Affiliated to VTU Belagavi | Approved by AICTE New Delhi | Accredited by NAAC Bangalore | Accredited by NBA New Delhi (E, EE, ME, EE, EEE) | Recognized by the Government of Karnataka

## INDUSTRIAL AUTOMATION 2020



**Speaker**

**WEBINAR**

**26th May 2020**  
10:30am - 12:00pm  
Through Zoom  
Meeting ID: 465 069 8951  
Password: 68J3pD

*Mr. Manikandan.P*  
*Faculty Coordinator*  
*Centre for Industrial automation*  
*CHRIST (Deemed to be University)*

**Prof. Raveendra R**  
Co-ordinator, DBIT  
Mob: 9980797997

**Dr. Anguraja R**  
Convener, HOD-EEE, DBIT

**Dr. Hemadri Naidu T.**  
Principal, DBIT

Webinar 

Key Benefits  
E - Certificate  
will be provided

Organized by  
Department of Electrical and  
Electronics Engineering

**Registration:** <https://forms.gle/q7gu1xP3FasC91kQ7>

**ONLINE WEBINAR ON INDUSTRIAL AUTOMATION 2020**  
**Held via ONLINE PLATFORM ZOOM**  
**26<sup>th</sup> MAY, 2020**



Wayanamac Education Trust (R)  
**DON BOSCO INSTITUTE OF TECHNOLOGY**  
Kumbalagodu, Mysore Road, Bangalore - 560074



**Department of Electrical and Electronics Engineering**

*Cordially invites you for*

**Guest Lecture**

**On**

**“Current Trends & Future of EV & Hybrid EV”**

**Resource Person**

**Dr. Sanjeev K Nayak**

Specialist, Automotive Division, L&T Technology Services,  
Bangalore

**Presided By**

**Sri. B. Bylappa**

President, WET, Bangalore

**Sri. B. Manjunath**

Vice President, WET

**Sri. Raghav Bylappa**

Secretary, WET

**Dr. Anguraja R**

Hod-EEE, DBIT

**Dr. Hemadri Naidu T.**

Principal, DBIT



Technical talk on “Current Trends & Future of EV & Hybrid EV”  
A technical talk was conducted for students of Electrical & Electronics Engineering  
on 29/02/2020.

Resource person: **Dr. Sanjeev K Nayak,**  
Specialist, Automotive Division,  
L&T Technology Services, Bangalore.



Venue : DBIT Campus

Date : 29<sup>th</sup> February - 2020 @ 11:00am

**FDP, CONFERENCE, SEMINAR AND WORKSHOP ATTENDED**

1. Dr. R Anguraja **attended** 5 days training programme on “**Outcome Based Education & NBA Accreditation** ” in association with **TEQIP 1.3 VTU** from 27<sup>th</sup> to 31<sup>st</sup> January 2020 at DBIT Bengaluru.
2. Dr. P.K. Prakasha **attended** 5 days training programme on “**Outcome Based Education & NBA Accreditation** ” in association with **TEQIP 1.3 VTU** from 27<sup>th</sup> to 31<sup>st</sup> January 2020 at DBIT Bengaluru.
3. Dr. Ramesh Kumar V **attended** 5 days training programme on “**Outcome Based Education & NBA Accreditation** ” in association with **TEQIP 1.3 VTU** from 27<sup>th</sup> to 31<sup>st</sup> January 2020 at DBIT Bengaluru.
4. Mrs. Sulochana I Akkalkot **attended** 5 days training programme on “**Outcome Based Education & NBA Accreditation** ” in association with **TEQIP 1.3 VTU** from 27<sup>th</sup> to 31<sup>st</sup> January 2020 at DBIT Bengaluru.
5. Mrs. Sharmila R S **attended** 5 days training programme on “**Outcome Based Education & NBA Accreditation** ” in association with **TEQIP 1.3 VTU** from 27<sup>th</sup> to 31<sup>st</sup> January 2020 at DBIT Bengaluru.

**FDP, CONFERENCE, SEMINAR AND WORKSHOP ATTENDED**

6. Mrs. Padmashree V Kulkarni **attended** 5 days training programme on “**Outcome Based Education & NBA Accreditation** ” in association with **TEQIP 1.3 VTU** from 27<sup>th</sup> to 31<sup>st</sup> January 2020 at DBIT Bengaluru.
7. Mr. Raveendra R **attended** 5 days training programme on “**Outcome Based Education & NBA Accreditation** ” in association with **TEQIP 1.3 VTU** from 27<sup>th</sup> to 31<sup>st</sup> January 2020 at DBIT Bengaluru.
8. Mr. Rajath Shankar P.S **attended** 5 days training programme on “**Outcome Based Education & NBA Accreditation** ” in association with **TEQIP 1.3 VTU** from 27<sup>th</sup> to 31<sup>st</sup> January 2020 at DBIT Bengaluru.
9. Mrs. Sneha A.S **attended** 5 days training programme on “**Outcome Based Education & NBA Accreditation** ” in association with **TEQIP 1.3 VTU** from 27<sup>th</sup> to 31<sup>st</sup> January 2020 at DBIT Bengaluru.
10. Mrs. Vijayshree G **attended** 5 days training programme on “**Outcome Based Education & NBA Accreditation** ” in association with **TEQIP 1.3 VTU** from 27<sup>th</sup> to 31<sup>st</sup> January 2020 at DBIT Bengaluru.



FACULTY JOURNAL PUBLICATIONS

1. Mrs. Sulochana I Akkalkot, **“Dynamic Stability Analysis Using DFIG based Windfarm and Statcom for the Security of the Power System”** , Jour of Adv Research in Dynamical & Control Systems, Vol. 12, ISSN 1943-023X
2. Mrs.Padmashree V Kulkarni, **“Development of Lab VIEW Based Model of Switched Reluctance Motor Using PI Controller”**, New Approaches in Engineering Research Vol. 7, Article No. 2021/BP/9174D, ISBN: 978-93-91473-54-9
3. Mrs.Padmashree V Kulkarni, **“LabVIEW Based Model of Switched Reluctance Motor Using PI Controller”**, International Journal of Recent Technology and Engineering (IJRTE), Volume-8 Issue-6, ISSN: 2277-3878
4. Mrs.Vijayshree G, **“Power Quality Improvement of Isolated Power System Network using UPQC”**, International Journal of Recent Technology and Engineering (IJRTE), Volume-8 Issue-5, ISSN: 2277-3878.
5. Mr. R Santosh Kumar, **“Design and Simulation of the Three Phase Z-source Inverter”**, International Research Journal Of Engineering And Technology ( IRJET), VOLUME: 07, P-ISSN: 2395-0072.

## FUNDED STUDENT PROJECTS

1. Project titled “**Transparent PV solar harvesting in buildings (Solar Window)**”, guided by Dr. Anguraja R got funded (₹ 6000/-) by Pyra Windo Power Academy, Bengaluru 560036.
2. Project titled “**Domestic Automation System using Renewable Energy**”, guided by Mr. PrasanthV got funded (₹ 7000/-) by Pyra Windo Power Academy, Bengaluru 560036.

## FACULTY ACCOMPLISHMENTS

1. Prof. Ramesh Kumar V, faculty of Electrical and Electronics Engineering, has been awarded with doctorate degree from Jain Deemed to be university for his research work in the field of Short term load forecasting of Bangalore city using Multilayer Artificial Neural Network, on 10<sup>th</sup> Feb 2020.
2. Prof. Sharmila R.S completed Coursera – Non credited course on “**Introduction to Psychology**” from Yale University, 09/03/2020.