

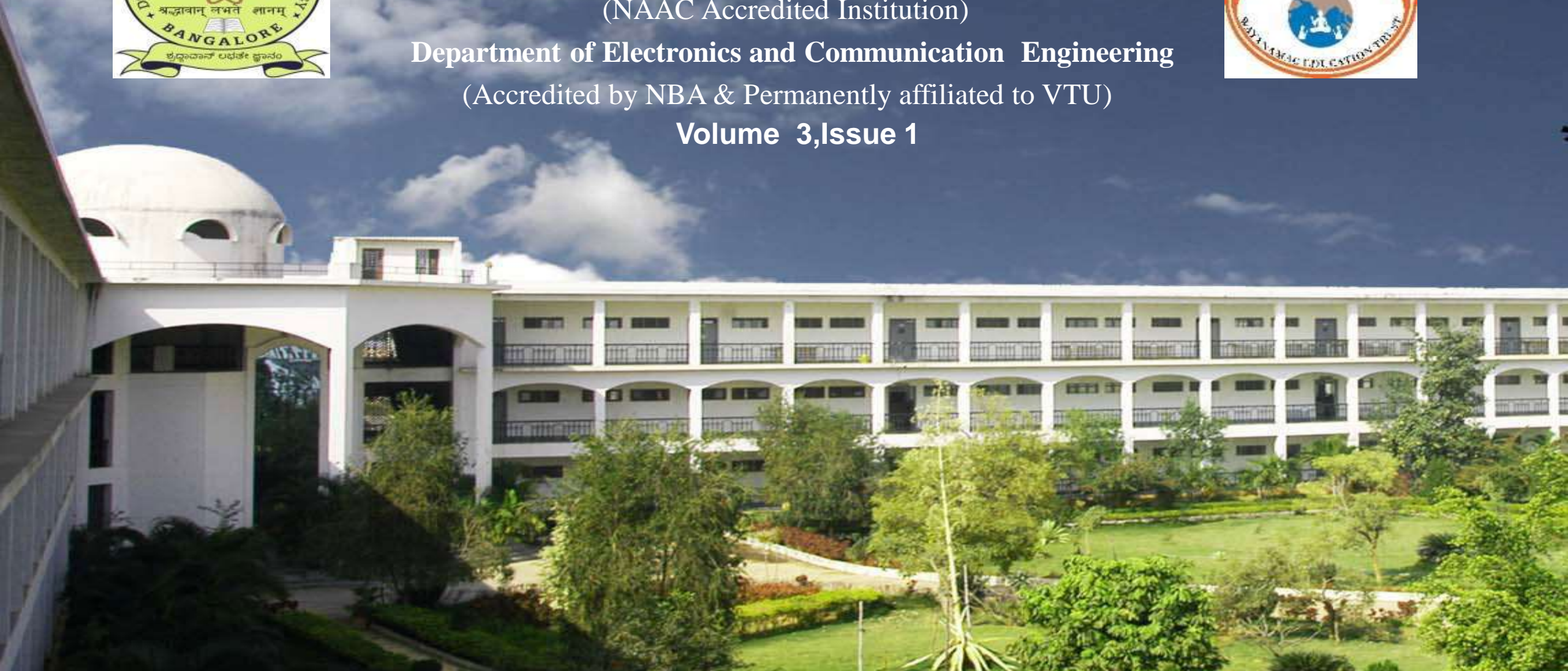
NEWS LETTER, VOLUME 3, ISSUE 1, January – June 2020 – 21



Don Bosco Institute of Technology, Bangalore
(NAAC Accredited Institution)

Department of Electronics and Communication Engineering
(Accredited by NBA & Permanently affiliated to VTU)

Volume 3, Issue 1



NEWS LETTER, VOLUME 3, ISSUE 1, January – June 2020 – 21

Sri B. Bylappa, President

I am very happy that the Dept. of Electronics and Communication Engineering is bringing out an E – Magazine. I congratulate all those concerned with this work.



Sri B. Manjunath, Executive Director

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



Sri Raghav Bylappa, Secretary

Happy to learn that the department of Electronics and Communication 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 ECE “E -NEWS LETTER”



Testimonials

DR. Hemadri Naidu T, Principal, DBIT

Dear Dr. Renga Prabhu P, 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 ECE “E -NEWS LETTER”





Dr. Rengaprabhu

Professor & HOD

Dept. of Electronics and Communication, DBIT.

I welcome you all to the Department of Electronics & communication Engineering. The ECE department has well equipped laboratories and excellent computational facilities like CADENCE, MATLAB, Simulink, Multisim, Psim, Xilinx, etc. Faculty members and students are actively engaged in research. For overall development of the students, Guest Lectures from eminent persons in the field are arranged.

Industrial Tours, Technical Workshops, Soft Skill training programs are arranged on regular basis. Electronica Forum helps the students to arrange the various programs in the Department. It leads to develop the leadership and managerial qualities of the student. Events like Technical Paper Presentation, Technical Quiz, Robotics, Project Competition are conducted. Students are encouraged to pursue higher education like ME/ M.Tech. All eligible students are placed in various companies. Consistently, the result is more than 90%.

A background image of a circuit board with various components and traces.

Advisory Board

EDITORIAL COMMITTEE

Prof. Mahadevi.S.Manur

Assistant Professor, ECE, DBIT

It is with profound pleasure, humility and anticipation that we celebrate our News letter issue. On behalf of the Editorial Team, I would like to extend a very warm welcome to the readership of DBIT. I take this opportunity to thank management, staff and students who volunteered to contribute to the success of the News Letter.

Editorial Board

ECE student Coordinators

Chandana R

Jayanth

VISION

To Create a centre of excellence, with an effective teaching and add-on training in the field of Electronics and Communication Engineering to nurture creative Engineers with ethical values to meet the global challenges

MISION

- To enhance the quality of students and staff with unique learning approach by adopting suitable training mechanism for professional skills.
- To impart knowledge that builds strong foundation in basic principles and applied areas of Electronics and Communication Engineering.
- To achieve efficient Industry-Institute interaction.

ACADEMIC RESULTS OF 2020-21

SEMESTER	% RESULT
III	40 %
V	66 %
VII	89 %

EVENTS ORGANISED

- TEQIP sponsored Outcome Based Education workshop was organised
- Webinar was organised on “A Knowledge on Startup India” by Dr. Jai Prakash Prasad
- Workshop on “PCB Design” was conducted by 6th sem student Penujuri Sai Akhil under Electronica Forum
- Students of all the semester participated in “Avishkar 2020:New Generation, New Ideas” event conducted under Electronica Forum
- Workshop on “Research Methodology and Latex”, Resource Person Dr. Rajashekhargouda C. Patil Organised By: EWCE Bengaluru
- Webinar on “Pattern Recognition Using Machine Learning”, Resource Person: Mr. Ravindranath K, Research Scholar, NIT, Tirchy
- Webinar on “PLL - DESIGN MODELLING AND SIMULATION” organised by DEPT OF ECE, DBIT coordinated by Anuradha Budihal. Resource Person: Dr. Rashmi S B, Associate professor, ECE, DBIT

EVENTS ORGANISED

- Workshop on “Machine Learning and Deep Learning”, Resource Person: Dr. Rajashekhargouda C. Patil at ATMECE, Mysuru
- Webinar on “RF front end design for x-band RADAR using 0.25um Gan HEMT technology”, organised by DEPT OF ECE, DBIT coordinated by Shruthi G
- Webinar on “Recent trends in VLSI Design" organised by DEPT OF ECE, DBIT coordinated by Mamatha U
- Webinar on “Art of Learning” organised by DEPT OF ECE, DBIT coordinated by Dr. R C Patil
- Webinar on “Multi-modal Analysis of Communication Skill Behavior in job interview scenarios” organised by DEPT OF ECE, DBIT coordinated by Mrs. Roopa B S

RESEARCH & FUNDS

- Dr. R C Patil

Karnataka Fund for Infrastructure Strengthening in Science & Technology (K-FIST L2) Rs. 30 lakhs has been sanctioned from K-FIST L2 for “Machine Learning Laboratory setup”.

- Mr. Santosh M Nejakar.

Received fund of Rs. 7,000/- from KSCST for the project “Raspberry Pi Based Smart Refrigerator to Recognize Fruits & Vegetables” guided by Mr. Santosh M Nejakar.

- Dr. Rengaprabhu & Mrs. Babitha

Project was selected by VTU in Avishkar Project Exhibition guided by Dr. Rengaprabhu, Co-guided by Mrs. Babitha S, 4 Students participated in the competition held at VTU, Belgaum.

- Dr Rashmi S B

Dr Rashmi S B submitted Research Grant Scheme on “Design and implementation of Low power CMOS analog front end modules for ultra-wide band frequency applications” in SERB.

RESEARCH & FUNDS

- Mr. Santosh M Nejakar.

Received fund of Rs. 5,500/- from KSCST for the project “AI Bases EYE Gaze Controlled Assistive Device for Challenged Person with Aproxia” guided by Mr. Santosh M Nejakar.

- Mr. Sangamkumar G H.

Received fund of Rs. 6,000/- from KSCST for the project “A Eco Friendly Method to Treat Domestic Sewage in Water Bodies by Bioremediation and Real Time Monitor using USV” guided by Mr. Sangamkumar G H.

- Mr. Suresha H S.

Received fund of Rs. 6,000/- from KSCST for the project “IOT Based Wild Animal Identification and Alert System in Agriculture Areas” guided by Mr. . Suresha H S.

- Dr R C Patil & Dr Chandrashekar N S

Received fund of Rs. 4,500/- from KSCST for the project “IUS Thegine- Automation in Sericulture Anew Cocept in Agriculture” guided by Dr R C Patil & Dr Chandrashekar N S

- 14 Faculties Applied Student project for MHRD

FACULTY PUBLICATIONS

- Dr. Rashmi S B, Associate Professor Published a paper titled “60 GHz Common-Gate Single-Stage Current Reuse Cascode LNA Topology for High-Data-Rate Applications”, Journal of ELECTRONIC MATERIALS, Vol. 50, No. 4, 2021, <https://doi.org/10.1007/s11664-020-08494-z>, ASIAN CONSORTIUM ACCMS–INTERNATIONAL CONFERENCE ICMG 2020
- Babitha S Associate Professor Published a paper titled “ Motion Detection and prediction using machine learning algorithm”, ISSN:2456-5660, Volume 5, Issue 5, Journal of science & technology, PP:220-226
- Babitha S Associate Professor Published a paper titled “Labview Based Model of Switched Reluctance Motor using PI Controller”, IJRTE, Vol. 8, Issue 8
- Mr. Santhosh M Nejakar Assistant Professor Published a paper titled “Simulation & Analysis of Performance PDSCH in 5G new radio”, WAFFEN_UND KOSTUMKUNDE journal, WOS , 0042-9945, Volume 6, Issue1, page no 2469-2474

FACULTY PUBLICATIONS

- Dr. Jai Prakash Prasad Published a paper titled “Implementation of Machine Learning Algorithm in Eye-Gaze Tracking using WSN based Convolutional Neural Networks”, IRJET, Volume 8, Issue 1, e-ISSN: 2395-0056
- Dr. Jai Prakash Prasad Published a paper titled “AI based wireless Sensor networks in Real Time Traffic monitoring using Spherical Grid Routing Protocol”, IJERT, Volume 10, Issue 1, ISSN: 2278-0181
- Dr. Jai Prakash Prasad Published a paper titled “IOT based Traffic control for smart cities using wireless sensor networks”, IJARCCCE, Volume 10, Issue1, DOI:10.17148/IJARCCCE.2021.10110, ISSN: 2278-1021
- Shruthi G Assistant Professor published a paper titled “Human Action Tracking using Kinect Sensor” in IJARCEE, Volume 9, Issue 6, DOI: 10.17148/IJARCCCE.2020.9658

THANK YOU