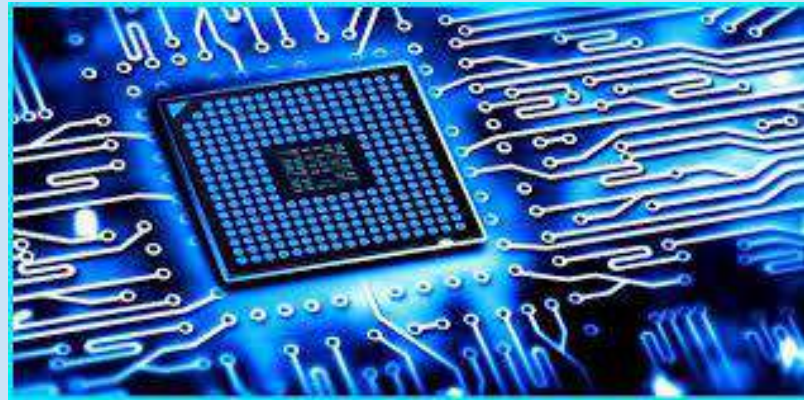# Photon

Pursuit of Innovation.

ECE Bi-Annual News Letter   July-Dec 2018

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

The Electronics & Communication Engineering Department was started in the year 2008 and now conducts one undergraduate program and Ph.D program with affiliation to VTU. Highly qualified & experienced faculty members, support four core specializations (VLSI Design and Embedded Systems, Digital Communication & Network, Signal processing, Power Electronics) in the department.

UG students are encouraged to take up interdisciplinary research in various domains and students are placed in reputed companies like IBM, TCS, Infosys, Robert Bosch, Mind Tree. All the programs are outcome based, structured to meet the needs of Industry and Research. The program contents are upgraded with the involvement of industry and reputed research institutions.

DEPARTMENT VISION

The department of Electronics and Communication Engineering strives to develop responsive teaching–Learning methodology, research and employable skills in allied fields by empowering students to become globally competent and socially responsible citizens.

DEPARTMENT MISSION

M1: To develop an active learning environment that ensures participation of students in both curricular as well as co-curricular activities by adopting student centric approach catering to the diverse needs of the student community.

M2: To foster research, innovation and creativity among students by motivating them to have in- depth knowledge of Engineering fundamentals in respective fields.

M3: To encourage development of entrepreneurial skills amongst students by imparting quality Education and value added skills required for sustainable and holistic development.

M4: To inculcate amongst students team spirit, leadership qualities, positive attitude and effective communication skills to solve societal needs.

PEO's

PEO1: To reinforce the concepts and fundamentals in mathematics, science and engineering to cultivate problem solving skills and to enthuse for higher studies.

PEO2: To empower our graduates with comprehensive knowledge in the domain area.

PEO3: To provide an opportunity to enhance practical knowledge by developing conceptual and design skills with innovative ideas.

PEO4: To prepare graduates to use modern tools, techniques and skills to apply the technical skills in various pertinent topics of the domain area.

PEO5: To nurture graduates with knowledge of management and engineering disciplines that assists in strengthening entrepreneurial qualities, efficient communication skills and ethics needed for a professional career

MINI –PROJECT EXHIBITION

Mini-project Exhibition and fresher's welcome function was organized on 3.10.2018.

More than 140 students participated and exhibited 35 innovative projects which were reviewed and judged by Mr.Veeresh Ambe (Senior Software engineer Vayavya Labs) and Mr.Bharat Gibse (Senior Software engineer Vayavya Labs).

The Chairman of Governing Council Shri.S.G.Sambargimath. The Principal Dr.S.S.Salimath , all the HODs,Senior Professors , faculty members and students of the department visited the event . 5th semester students of ECE, Ms.Ashwini A.and team won first prize and Mallikarjun and team won second prize. Event was coordinated as a part of the Innovation Centre by Prof.Shilpa Bairanatti and Prof.Anita Patil

In continuation with miniproject exhibition, welcome function was organized for 3rd semester students through WAVECE association. Event was inaugurated by chief guest Mrs.Uma Bondada ,VP Engineering and co-founder Vayavya Labs, Belagavi.

GUEST LECTURE ON EDUCATION ABROAD

A guest lecture on " Education Abroad" was arranged for 4th semester students on 6th September 2018.

Ms. Benazir Shaik interacting with students

The resource person was Ms. Benazir Shaik of Transcend Institute of Foreign Studies, Belagavi. The talk was not only informative but also motivating. She discussed in detail about GRE, IELTS and TOFFEL, how to prepare for these examinations and crack them, what should be the score to get selected in top universities.

TALK ON STUDY ABROAD AND STUDY IN INDIA

An invited talk was organized on Study Abroad and Study in India (MS and MBA respectively) on 18th September 2018.

Resource person Mrs. Tulsa Patil, Director, T.I.M.E, Belagavi discussed about importance of higher education , opportunities to pursue higher education in India and abroad. Her colleagues spoke about body language and Resume Writing. Dr. Ravi M. Yadahalli coordinated the event.

Resource person Mrs. Tulsa Patil delivering the talk

AWARENESS PROGRAM ON FIRE SAFETY AND EVACUATION DRILL

An awareness program on fire safety and evacuation drill was organized with the help of Fire Station, Beagavi on 25th of September 2018. Speaking on the occasion, Mr. Venkatesh Takkekar, Fire Station Officer, Belagavi told the students that fire drill is a duplication of the actions taken in the event of a real fire. He asked those who gathered to get training to understand the fire precautions and what to do if a fire were to occur

Fire Station Officer (FSO) in his speech explained the common causes of electrical fires, importance of fire alarms and highlighted various calamities around the world.

The event was coordinated by Dr. Ravi M. Yadahalli and Prof. Vijay Patil

The lecture was followed by demonstration.

STUDENTS' ACHIEVEMENTS

1. Tajuddin Killedar of 8th semester won gold medal in " Taekwondo " competition organized by Karnataka Dasara Sports from 10th to 16th of october 2018 at Mysore

2. Ajay Shirali of 6th semester participated in " Archery competition" organized by Karnataka Dasara Sports from 18th to 20th of October 2018.

3. Tajuddin Killedar of 8th semester won first prize in Mehandi Design competition on 4th November 2018 held at Hubli.

SGBIT CAMPUS

FACULTYS' ACHIEVEMENTS

1. Prof. Sunil H and Prof. Sujay G attended one day "NPTEL workshop" conducted at MSRIT , Bengaluru, July 2018.

2. Prof. Sunil H. and Veena P completed FDP on " Introduction to research " conducted by IIT's and IISc's Bengaluru through MOOC's , July-October 2018

3. Prof. Sunil H. and Vidya Kanabur completed FDP on " Digital Image Processing " conducted by IIT's and IISc's Bengaluru through MOOC's , July-October 2018

4. Prof. Anita Patil, Prof. Sunil H. and Prof. Veena P attended workshop on "Patenting of Research Proposals" at VTU – Belagavi in the month of October 2018

5. Prof. Sunil H published paper titled "Performance evaluation of face reorganization based on multiple discrepancies using Euclidian distance classifier" in the international journal of advanced computer and its applications (UGC) , December 2018.

6. Prof. Sidramayya S. M. published paper titled " An overview of orthogonal frequency division multiplexing" in the 3rd IEEE international conference on electrical, electronics, communication computer technology and application , 14-16 December 2018 .

7. Prof. Jagadish Jakati presented/ published paper titled "Survey on speech enhancement techniques" in the 3rd IEEE international conference on electrical, electronics, communication computer technology and application , 14-16 December 2018.

8. Prof. Veeresh Hiremath completed Ph.D comprehensive viva-voce on 13-11-2018 at SDMCET Dharawad.

9. Prof. Sunil H. completed Ph.D comprehensive viva-voce on 24-12-2018 at Dr. AIT, Bengaluru.

Toppers of odd Semester [Feb – Aug 18]

Sem / Rank	1st Rank	2nd Rank	3rd Rank
IV Sem	Ms. Manjula Kore) [78.5 %]	Ms. Poornima P [78 %]	Ms. Prajakta [76.25 %]
V I Sem	Ms. Aparna H [84. 5 %]	Ms. Vinanti H [81. 3 %]	Ms. Laxmi K [80. 25 %]
VIII Sem	Ms. Sneha Khot [85.20 %]	Ms. Priyanka B [85.07 %]	Ms. Chandrika J [84.13]

Newsletter Editorial Committee :

Advisory Committee :	Honorary Editorial Members :	Student Members :
Dr. K. Prabhushetty (HOD) Dr. Ravi. M Yadahalli. **Editor :** Prof. Sujay Gejji	Prof. Viresh M. Hiremath Prof. Vinayak H Prof. Sidramayya M. Prof. Shankar P.	Ms. Vinanti H Ms. Shalini J