

Photon

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SGBIT

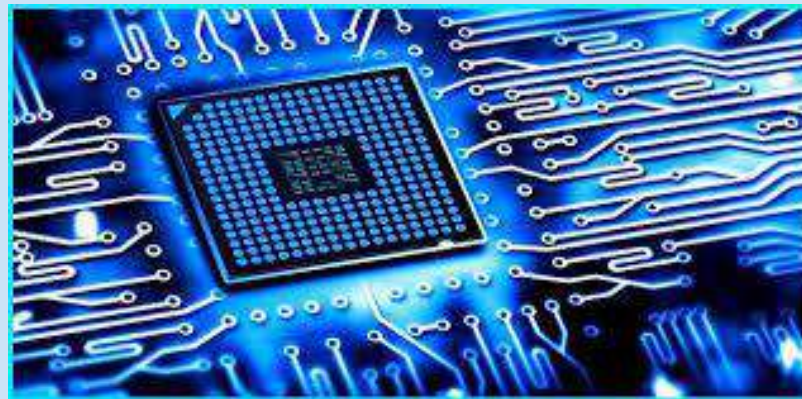
ECE Bi-Annual News Letter

July-Dec 2017

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 careers\

INAUGURAL FUNCTION OF ASSOCIATION OF ELECTRONICS ENGINEERING STUDENTS

Inaugural ceremony of association of Electronics and communication engineering students [WAVECE] was organized on Friday 31-8-17.

Mr. Mayoor Patil, Lead Business Analyst, United states of America (USA) in his guest speech discussed about the Job and higher studies opportunities in India and abroad.



Dr. K. Prabhushetty, HOD, was president of the function. In the same occasion, fresher's day was celebrated. The formal function was followed by cultural activities.

Prof. Veeresh Hiremath welcomed the gathering, Prof. Jagadish Jakati introduced the Chief Guest and Prof. Anita Patil proposed the vote of thanks.

THREE DAYS WORKSHOP ON MICROCHIPS INTERNET OF THINGS (IoT)

Three days Workshop on "Microchips Internet of Thing(IoT) was inaugurated by Mr.Nitin Awasthi, Vice President -Technical, Apsis Solutions, Bengaluru on 6th October 2017. The function was presided by Principal Dr. S. S. Salimath.



HOD Dr K.Prabhushetty welcomed the gathering Dr. Ravi Yadahalli introduced the guest to the audience Students from various colleges like PESITM shivamoga, AGMRCET Varoor, KLECET Belagavi, Angadi college belagavi registered for this event. The workshop was coordinated by Dr. Ravi M.Yadahalli, Prof. Arati B.S. and Prof. Kiran Nandi.

MINIPROJECT EXHIBITION & COMPETATION

Mini Project Exhibition was organized on 14.10.2017. Major objective of organizing this exhibition was to provide the platform and unleash the potential of the students. More than 70 students participated and exhibited 23 innovative projects which were reviewed by the academic experts.

The Principal Dr.S.S.Salimath, HOD Dr. K. Prabhushetty, Senior Professors, faculty members & students of the other department visited the event. Prof.Ramanmurthy of EEE department evaluated the Projects. Event was organized by Prof..Shilpa B & Prof.Anita



TECHNICAL TALK ON IMAGE PROCESSING AND ITS APPLICATIONS

A technical talk on Image processing and its applications was arranged for 5th and 7th semester on 31/10/2017. Prof. Virupaxi Dalal introduced the chief guest Dr. Dhiraj Dhane, IIIT Pune and Dr. K. S. Prabhushetty, HOD, ECE welcomed the chief guest.



In his talk, basics of Image processing, image contrasting, image enhancement and image filtering were discussed the importance of research in image processing.

Dr.G.R.Udupi, HOD, CSE felicitated Dr. Dhiraj Dhane. The event was coordinated by Prof. Virupaxi Dalal, Prof. Shankargoud Patil, Prof. Soumya Halagatti

& Prof. Anandraddi



GUEST LECTURE ON ERROR CONTROL CODES

A guest lecture on "Error Control Codes" was arranged on 3rd November 2017. Dr.S V.Viraktamath, Professor, of SDM Engineering college, Dharwad, was the resource person. Principal, Dr.S.S.Salimath, Dr.K.S.Prabhushetty, HOD, ECE Dept and Dr.G.R.Udupi, HOD CSE Dept inaugurated the session by watering the plant. In his talk, Dr.S.V.Viraktamath, explained the importance of Error control codes, how the information is passed through the channel and how the errors can be detected and corrected.



Around 100 students attended the session and got the knowledge about error control codes. The event was coordinated by Prof.Veeresh M Hiremath and Prof.Mahadevappa Mugalihal, of Dept of ECE, SGBIT

INDUSTRIAL VISIT TO KAIGA

The students of VII sem (A & B Div) visited Kaiga Atomic Power Station, Uttar Kannada, Karnataka on 4th November, 2017. The power station has four units. All the four units are small sized CANDU plants of 220 MW



The students were accompanied by Prof. Mahadevappa M. and Prof. Anand Reddy with supporting staff members Ms. Madhavi H. and Mr. Sidram B.

TWO DAYS WORKSHOP ON PCB DESIGNING

Two days workshop on PCB Design was organized on 4th and 5th of November 2017.



Mr Madan Chandrashekar, Mr. Santosh Patil and Mr. Siddalingesh Madli, Hardware Designer Consultants, Optumus Technologies, Hubballi, were the resource persons for the workshop. Different component packages, building blocks of circuits, Types and classification of PCBs with their applications, PCB Design flow, Fabrication of bare board and testing were covered during the 2 days workshop. The event was coordinated by Dr Ravi M Yadahalli, Prof. Arati B S, Prof. Shilpa B and Prof. Kiran Nandi. Total 105 students participated with enthusiasm in the workshop.

ONE DAY SEMINAR ON ARM MICROCONTROLLERS

One day seminar on ARM Microcontroller CORTEX M3 was organized on 11th November 2017. HOD Dr. K.S. Prabhushetty welcomed the guests. The convener, Dr Ravi M. Yadahalli introduced the resource persons. The seminar was inaugurated by Mr. Sunil Shambhatnavar, General Manger, M/s Advanced Electronic Systems, Bengaluru. Principal Dr S S Salimath presided function. Mr.Jivan B. Katariya, Director, M/s SPJ Embedded Technologies Pune was the resource person for the workshop. He discussed Architecture of ARM Cortex M3 controller, its, applications. Later demonstrated the simulation of all the experiments of the ARM LAB prescribed by VTU. The event was coordinated by Dr K S Prabhushetty and Dr Ravi M Yadahalli. They were well supported by Prof. Arati B S, Prof. Sidramayya Mathad, Prof. Kiran N, Prof. Mahadevappa M and Prof Veena P. Total 45 faculty members have attended the seminar



SEMINAR ON PROGRAMMING USING C++

A Seminar on "Programming using C++" was arranged by for V semester students on 11th & 12th November 2017.

Prof. B A.Patil, Associate Professor & HOD of Computer Science Engg, of KLE's Dr. M S. Sheshagiri College of Engineering and Technology, Belagavi, was the resource person.



Principal, Dr.S.S.Salimath, HOD Dr.K.S.Prabhushetty, inaugurated the function. Dr. K S Prabhushetty, introduced the resource person & Dr. S S Salimath presented a presidential remarks.

In his seminar, He explained about Classes & Objects, its applications with programming part. Even he covered C++ streams and how to work with Files and also gave suggestions about how to write a program, prepare for campus interviews.



PARENTS -TEACHER MEETING 2017 (ODD SEMESTER)

The Parents-Teachers meeting was organized by ECE department on 18/11/2017.

Dr. K. S. Prabhushetty, HOD delivered the welcome speech. In his welcome address he emphasized the importance of parents meeting Later all the faculty members introduced themselves. The Principal, Dr S.S. Salimath addressed the parents. In his remarks, briefed about the involvement of parents as stake holders and made the parents to know about the significance of accreditation and asked the parents to go through the Vision Mission of ECE department and requested for valuable suggestions.



Later Parents interacted with the faculty members of respective semester. Around 50 parents attended the meeting. Prof. Anandraddi Naduvinamani, Parents-Teacher meet co-ordinator, proposed the vote of thanks.

FACULTYS' ACHIEVEMENTS

- Prof. Vidya N. Abdulpur was invited as Resource person for one of the session on “ Design Thinking” of Tinkering Marathon workshop on 28th July 2017 at Atal Tinkering lab, Inchal organized by Atal Innovation Mission Niti Ayog, Government of India.
- Prof. Virupaxi Dalal, Prof. Shankargouda Patil and Prof. Anandraddy attended the one day NPTEL workshop conducted at MITE moodabidre on 28th of October 2017
- Prof. Veeresh Hiremath attended a two days seminar on Data Analysis in education management system at KLS GIT Belagavi on 30 and 31st of October 2017
- Dr. Ravi M. Yadahalli published paper on “More variations in slot cut capacitive fed suspended MSA” in European journal of scientific research in the month of October 2017. Vol: 147, pp: 147-154.
- Prof. Narayan A. Badiger attended the workshop on Libre office organized by computer science department of SGBIT on 26th and 27th of November 2017.
- Dr. Ravi M. Yadahalli paper on “Capacitive RMSA with slotted ground plain” at International conference on advances in computing communication and control (ICAC3) sponsored by IEEE on 1st and 2nd of December 2017 held at Fr. CRC Mumbai.

STUDENTS' ACHIEVEMENTS

- Tajuddin Killedar of 5th semester won gold medal in TEAKWONDO competition held at dharawad in October 2017 and won runner up in competition held at VTU in November 2017
- Vinanti Hiroji and Veena Gooli of 5th semester represented the SGBIT Hockey team which got 4th place in VTU tournament 2017
- Vinanti Hiroji, Sachin Desai , Vasumati and Veena gooli, Sudarshan P, shweta J, Suprita M completed internship program in the month of July 2017 at hamshine electronics and energy system , Hasan.
- Ajay Shirali of 5th semester obtained the honor of VTU blue in Archery competition organized by VTU in the month of November 2017
- Ajay Shirali of 5th sem EC has been selected to represent VTU in all India inter university championship to be held at KIIT University , Bhubaneswar Odisha from 26th to 31st december
- Basavprabhu M of 7th semester obtained the honor of VTU blue in boxing competition in the month of November 2017. Also participated all India inter university boxing completion held at Chandigarh , Punjab in the month of November 2017.
- Balakrishna Tarihal participated in the World Drone Expo on October 2nd and 3rd held at san jose, California USA.

Toppers of Even Semester :

II Sem	IV Sem	VI Sem	VIII Sem
			
Ms. Poornima Pattar (83.42%)	Ms. Vinanti Hiroji (80.62%)	Ms. Sneha V. Khot (76.67%)	Ms. Divya Salimath (87.46%)

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