

# Electronics & Communication Engineering News Letter

“ PESITRONICS ” Imagination Becomes Reality

## PES Institute of Technology & Management, Shivamogga

Affiliated to AICTE, ISO 9001 2015 Certified Institute, NH-206, Sagar road, Shivamogga-577204.

### Vision

To be a leading center of excellence in the field of electronics and communication engineering for learning and research with professional ethics.

### Mission

M1: To provide quality technical education for students to develop into globally competent professionals.

M2: To develop a framework for collaboration and multidisciplinary activities to ensure ethical and value based education to address social needs.

Dept. of Electronics and Communication Engineering became functional with the establishment of the institute in the year 2007. Being the core branch in Engineering, it has a lot of potential in various Sectors such as Telecommunication, IT, Low power VLSI Design, Embedded system & Robotics, and Manufacturing & Testing. The current intake for UG Program is 120.

Dept. of E&CE has highly skilled faculties, well equipped with latest laboratory equipments & industrial software's like CADENCE, MATLAB, Xilinx and more. Department has conducted and organized National Conference, workshops and technical talks related to the current trends and technology.

Staff and Students of E&CE have involved with several research/ curricular and co-curricular activities throughout the semesters and academic year, the PESITRONICS newsletter brings you the foretaste of all the activities in the E&CE Department.

### Technical Talk and Fresher's Day Celebration

As a part of technical activity an invited talk was arranged by Dept. of E&CE on 10th October 2018 on the topic "Satellite Communication" and Mr. Vimalan J, Assistant Director(E)/ HOO, IBES, All India Radio, Bhadravathi, was the resource person on the occasion and addressed the regarding the same. In the forenoon after a delicious lunch the fresher's function "VINUTHANA.18" was conducted by Final year and Pre-final year students to the 2nd year students of E&CE Dept.



To succeed in your mission, you must have a single minded devotion to your goal  
Dr. A P J Abdul Kalam

### Technical Talk by Mr. Vimalan J, ADE/HOO (Chief Guest)

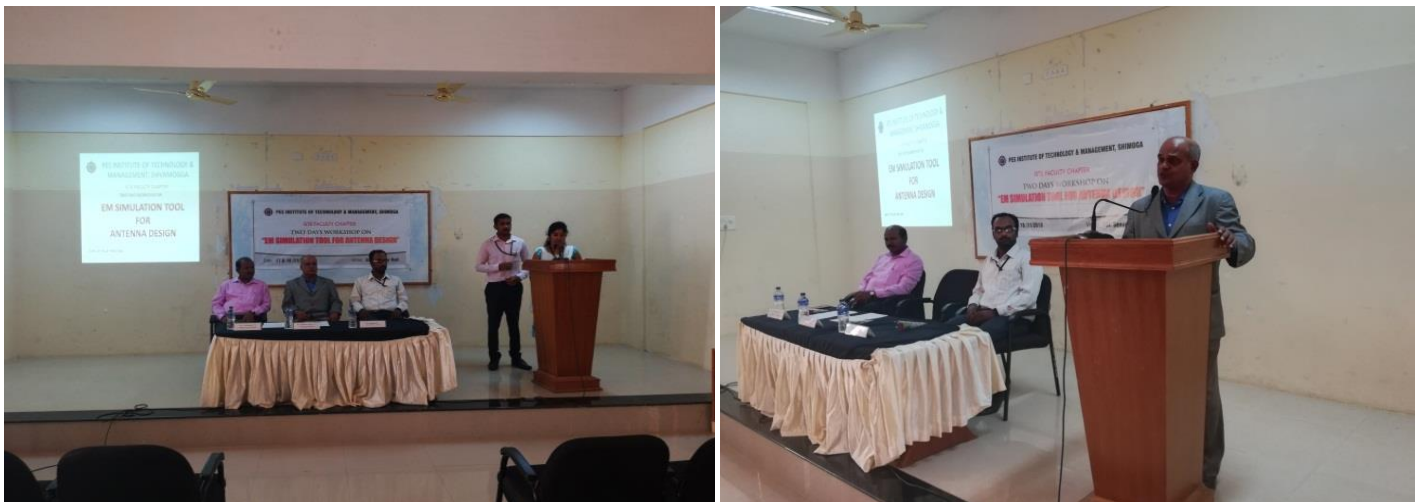
Mr. Vimalan J, ADE/HOO, All India Radio, Bhadravathi, (Chief Guest) presented a invited talk on “Satellite Communication” and interacted with the students while describing the functionality of satellite and how the satellite communication is achieved.



### Two-day workshop on “EM Simulation tool for Antenna Design”

Organized a two day workshop on “EM Simulation tool for Antenna Design”. The purpose of the workshop was to make undergraduate students learn about the basics of antenna design and simulation tool which would help them in completion of their final year projects. The workshop was inaugurated at 2.00pm on 17th Nov 2018 by Dr.Chaithanya Kumar M. V, Principal, PESITM. Dr.Chandrappa D. N, Head of the Department of ECE, Mr.Jagadish M, workshop co-ordinator graced the occasion. While delivering the key note address, Dr.Chaithanya Kumar M. V stressed on the importance of research in the field of microwave and antennas. He also spoke about the importance of learning simulation tool for antenna design to reduce the time and cost encountered due to man made errors during the design of antenna. Dr.Chandrappa D. N also spoke in length complimenting the contents of the key note address. He finally delivered the vote of thanks.

The balance of the day consisted of a technical talk on “The Philosophy of antennas” by Dr.Chaithanya Kumar M.V, Principal, PESITM.120 participants attended the talk. Topics such as Faraday’s law, Gauss law, Maxwell’s equations, electromagnetics behind antenna radiation, smart antennas, adaptive antennas was discussed. On day two - 18th Nov 2018, hands-on session on Probe fed Microstrip Patch Antenna antenna design using HFSS simulation tool was conducted in two different sessions. Mr.Jagadish M, Mr.Pramod V Rampur, Mr.Shashank S Bhagwat, Faculty, Department of ECE, PESITM was involved.







### NSS Activity “Swach Bharath”

As a part of NSS Activity at PESITM, Shivamogga, Staff & Students of Dept. of Electronics & Communication Engineering participated in “Swach Bharath” activity, and the outskirts of college campus (Engineering college Front Gate to Diploma College Front Gate) was cleaned up. A total of 120 Students of various semester along with teaching and non teaching staff of E&CE were present during the activity.

Photos captured during the NSS “Swach Bharath” activity by E&CE Staff and Students



NSS Activity (on 04-10-2-18), Dept. of E&CE, PESITM, Shivamogga.



**EDC Cell Inauguration & Awareness program on “Innovation & Entrepreneurship Development”**



EDC Cell Inauguration & Awareness program on “Innovation & Entrepreneurship Development” was organized by dept. Of ECE on about 500 students participated.



**Kodagu Flood relief Fund from PES Trust Management, Staff and Students**



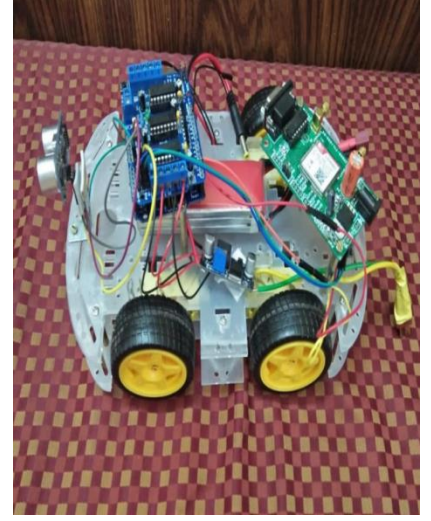
ಓಡುವ ಯಾಂತ್ರಿಕ ಬದುಕಿದು,  
 ಈ ಬದುಕಿಗೆ ಸಂಗಾತಿ ನೀನು.  
 ಸುಪ್ರಭಾತದ ಶುಭೋದಯ ನಿನ್ನಿಂದಲೇ,  
 ಇರುಳು ನಿರಿದಿಯ ಕದ್ಮೂಯ್ಯುಪ್ಪುದು ನೀನೇ.  
 ಕಣ್ಮರನ ಜಗವ ಮರೆಸುವೆ,  
 ಜಗವನೆಲ್ಲಾ ಕೈಯಲಿರಿಸುವೆ.  
 ನಿನ್ನಲದೇನೋ ಅರಿಯದ ಮಾಯಾಜಾಲ,  
 ನನ್ನಲೇನೋ ಚಡಪಡಿಕೆ ನೀನಿಲ್ಲದ ಕ್ಷಣಕಾಲ.  
 ನನ್ನಷ್ಟೋ ಪ್ರಶ್ನೆಗಳ ಉತ್ತರ ನೀನು,  
 ಅಳುವ ಮನಕೆ ಸಾಂತ್ವನದ ಸಂಗೀತ ನೀನು.  
 ಆದರೆ, ಕಾರಣವಿರದೆ ತೊರದೆ ನೀನು!!  
 ಇದೆಲ್ಲ ಮರೆತು ಅದೆಲ್ಲಿ ಕಳೆದ್ದೋದ  
 ನೀನು??.....  
 ನಾನೆಲ್ಲಿ ಹುಡುಕಲಿ ನಿನ್ನ -- " ಓ ನನ್ನ  
 ಮೊಬೈಲ್ " .

Padmaಶ್ರೀ

**Rachana H Gowda 5<sup>th</sup> b has successfully cleared field technician- computing and peripherals with A grade.**



Bluetooth control, signal tracking robot, by Harshit



Got 2nd prize in group dance 2k18 vtu fest held in angdi institute of technology, Belgaum.





Canvas/water Painting & Pencil Sketch

Nagamani Hogar



Pooja D U photography

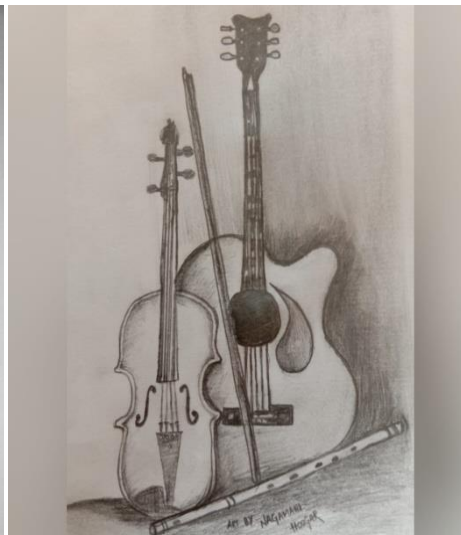
Likitha Photography



Navya Gangadharappa

Nagamani Hogar

Pencil Sketching by Sandeep 3rd sem



### Placements

Hearty Congratulations to all the Students for getting placed in the companies from the Management, Principal, teaching & non teaching Staff of E&CE, PESITM, Shivamogga.

| Sl.No | Name              | Company                       |
|-------|-------------------|-------------------------------|
| 1     | NIRANJANA K       | GLOBALEDGE CAMPUS DRIVE       |
| 2     | SWATI HEGDE       | GLOBALEDGE CAMPUS DRIVE       |
| 3     | NAYANA S.U.       | SLK CAMPUS DRIVE              |
| 4     | APOORVA KALAL     | ABC GROUP CAMPUS DRIVE        |
| 5     | PRASANNA BHAT     | ABC GROUP CAMPUS              |
| 6     | POOJA NAVALE      | ABC GROUP CAMPUS DRIVE        |
| 7     | SIRIGOWRI N. H    | MPHASIS CAMPUS DRIVE          |
| 8     | ADITYA G RAO      | MPHASIS CAMPUS DRIVE          |
| 9     | INCHARA U N       | MPHASIS CAMPUS DRIVE          |
| 10    | SIRIGOWRI N. H    | TCS - NINJA POOL CAMPUS DRIVE |
| 11    | ROHITH S          | CAREER PRIME CAMPUS DRIVE     |
| 12    | AMULYA H G        | CAREER PRIME CAMPUS DRIVE     |
| 13    | PAWAN KUMAR SINGH | CAREER PRIME CAMPUS DRIVE     |
| 14    | PALLAVI Y D       | CAREER PRIME CAMPUS DRIVE     |
| 15    | ROHITH S          | ACUVATE Campus Drive          |

The following are some useful web sites and links for students to enrich their skills and follow the passion

- [www.indiabix.com](http://www.indiabix.com)
- [www.sawaal.com](http://www.sawaal.com)
- [www.edu.in](http://www.edu.in)
- [www.testpot.com](http://www.testpot.com)
- [www.electronicsforu.com](http://www.electronicsforu.com)
- [www.placementpapers.com](http://www.placementpapers.com)
- [www.freshworld.com](http://www.freshworld.com)

### poems (when heart speaks and mind listens)

ದಟ್ಟ ಮಂಜಿನಿಂದ ಯೂವಾಗಲು ತುಂಬಿರುವ..

ಆ ರಾಜ್ಯದ ಚಿಕ್ಕ ಗೂಡದು,  
ಕೇಸರಿ ಬೆಳೆಯಿಂದ ತುಂಬಿ  
ಕೇಸರಿಯ ಸೊಗಡನ್ನು ಸಾರುತ್ತಿದ್ದ ಜಾಗವಾಗಿದ್ದ ಆ  
ಪುದೇಶ....  
ಕೂರನರ ಮೃಗಗಳಿಂದಾಗಿ  
ರಕ್ತದ ಹೊಳೆಯೇ ಹರಿಯುವಂತಾಯಿತು  
ಅ ರಕ್ತದ ಒಂದೊಂದು ಹನಿಯ ಬೆಲೆ ಕಟ್ಟಲಾಗದ ನಷ್ಟ  
ಈ ನಷ್ಟ ತುಂಬಲಾಗದು...  
ಈ ನೋವು, ದ್ವೇಷ ಅಳಿಸಲಾಗದು.....

ನಿಧಿ ಎ.ಎಂ

- Pencil Sketching by Sanath S P (7th B)



To give real service, You must add something which cannot be brought or measured with money.

- Sir. M V Visvesvaraya



## Higher Education (2018 Batch output students)



Pallavi M  
Branch: mtech(DECS)  
College: JNNCE  
Shimoga



Name: Pooja Patil B  
Branch: Digital  
Communication  
College name:  
BMSCE Bangalore



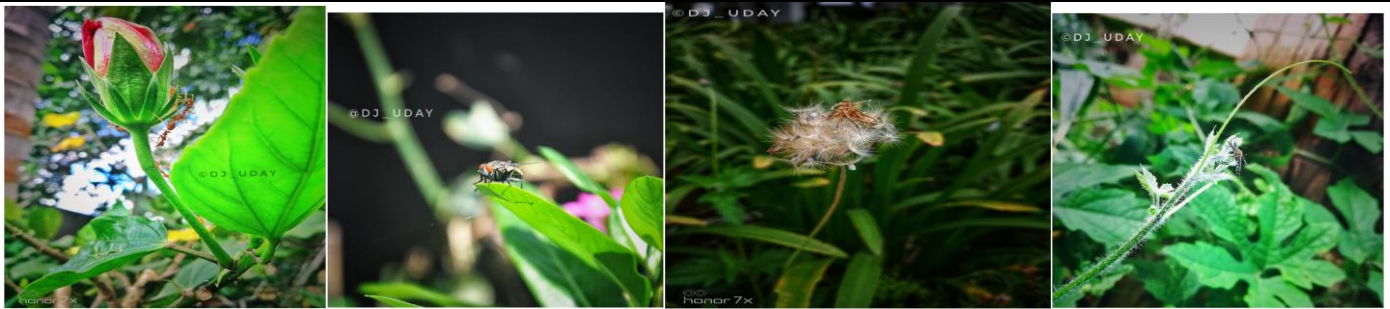
Name: Meghana P S  
Branch: Digital  
Communication  
College name:  
BMSCE  
Bangalore



Name: Pawan Gowda  
G S  
Branch: Control &  
Instrumentation  
College name:  
UVCE Bangalore



Name: Alina Imtiyaz  
Branch: Mtech  
Digital Electronics,  
College name: BVB  
Hubli.



Photography by uday DJ 5<sup>th</sup> B

## Call for Newsletter Articles

## We need articles for future additions of Newsletter

Please consider providing a short item of news, or an in depth article for the next edition of the newsletter. We would like to invite everybody to submit a short story/article/announcement that can fit in the following structure.

News items and announcements -

- Short, topical, news oriented technical/ non-technical topics.
- Paintings, sketches, comics, poems, dag-writings, short stories etc.
- Major and minor technical articles are also accepted.
- Jokes, Punch dialogues, quotes of your own could be included.
- All of above said matters could be accepted in English or in kannada formats

Feel free to communicate with the student and staff coordinators for more details.

- Editor



## Editorial Team (From Left to Right)

Mr. Adithya G. Rao (7<sup>th</sup> A) Mr. Vishwanath Muddi

Ms. Chandana P Patel (3<sup>rd</sup> A) Dr.

Chandrappa D N.

Ms. Deepthi S V (3<sup>rd</sup> A) Dr. M Manoj  
Kumar

Ms. Sushmitha S M (5<sup>th</sup> B) Mr. Kunjan D. Shinde

Ms. Priyanka (5<sup>th</sup> B)

Ms. Niharika (5<sup>th</sup> A)

Ms. Sabakausor (3<sup>rd</sup> B)

Mr. Prassanna Bhat (7<sup>th</sup> B)