



# SAPTHAGIRI COLLEGE OF ENGINEERING,

(Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi)

## Department of Electronics and communication Engineering

### ECE MAGAZINE PULSE



**VISION:** To be one of the best ECE departments in the university providing globally relevant learning experience for students

**MISSION:** Enrich learning experience of students with creative and innovative teaching methods. Inculcate societal responsibility in students. Develop entrepreneurial skills of students to make them entrepreneurs rather than employees. Partner with Industry for focusing on real-life problems and make learning more practical.

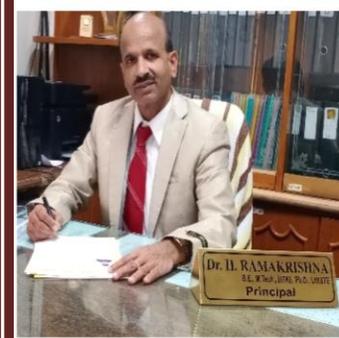
**Chairman: Sri G. Dayanand:** The “ECE pulse” newsletter of the department ECE is providing great space for the faculty and students to pen down their innovative ideas, imagination and perceptions to showcase their creativity. So, I take the opportunity to congratulate the department of ECE and its editorial team to successful release of this issue. I am sure that students and faculty will find the content of this edition very interesting and educating.



**Executive Director: Sri G. D. Manoj:** I am indeed happy to know that the department of ECE has taken initiative in realizing its monthly newsletter “ECE pulse” and urge faculties and students to make use of the platform to share and educate among themselves in publishing articles pertaining to the emerging domain and articles of interesting. I congratulate the team of editorial community and department of ECE.



**Principal: Dr. H Ramakrishna:** It gives me immense pleasure to note that, SCE has been publishing bi-annual newsletter and I am sure, this will provide an opportunity for the faculty and students to share their knowledge and beacon the information about various issues and activities that are being taking place in the department. I look forward for more activities and achievements for the department to march towards excellence in the future. I would like to thank all teaching, supporting staff and our beloved students for their active participation in publishing this magazine. My special compliments and congratulation to the editorial team of the department for their consistent effort in



**Vice-Principal: Dr. M H Annaiah:** I am very happy and delighted to know that our college is bringing out the college newsletter. SCE is one of the leading premier engineering colleges in the country offering quality technical education to students thereby enabling them to become globally acceptable engineers in their domains. The newsletter provides a platform for both faculty and students to showcase their achievements and hidden talents. I congratulate our beloved principal and members of editorial board for bringing out this excellent and nformative newsletter on time.





**Head of Department: Dr. Satish Kumar H C:** It gives me an immense pleasure to note that ECE Department bringing up department Newsletter. I am sure this newsletter provides an opportunity to the students and the faculties of the department to project their talents through articles, reports of the various academic and technical programs. I congratulate our beloved principal, Vice-Principal and members of editorial board for bringing out this excellent and informative newsletter.

## Guest Lecture 1

### *“Career Opportunities in Civil Service”*

A Guest lecture was conducted on career opportunities in civil services on 04.04.2018 by Mr. Prakhar Pandey, KAS Officer, Karnataka Commercial Tax Service(KCTS) and GST, Ministry of Finance, Govt of Karnataka. He is also a proud alumni of ECE Department. He also worked as Executive officer, Ministry of Home affairs, Ministry of Home affairs, Govt of India. The guest lecture was motivational speech for engineering students to groom their career. Most of the Civil services exams questions were discussed in between the session and motivated the students to take up Civil services entrance to accomplish their dream in Public sectors.



## Guest Lecture 2

### *“Career guidance - Higher Education Abroad and India”*

A Guest lecture was conducted on career opportunities in civil services on 12.04.2018 by Mr. Vivek Veeraiah. **Vivek Veeraiah** founder and CEO of EdVista Consultant. Completed his MS, MBA from New York University. He completed HBX CORE from Harvard Business School. He is also Administrative Director and Adjunct Professor at New York University.

## Publications, conference, Work Shop FDP attended by Faculty



` This career guidance program has put the student in touch with today's changing global market place trends and tomorrow's career opportunities.

## Work Shop

### *“Advanced IOT program using Texas Instrument MSP 430”*

A two days' work shop on Texas Instrument MSP 430 and Energeia software was conducted from 21.04.2018 to 22.04.2018. The objective of this workshop is to provide an opportunity for students to get aware of Advanced IOT programs and usage of Texas Instrument MSP 430 Microprocessor thereby developing a stepping stone towards the development of an Embedded System. The speaker were Mr. Sagar and Vivek, Application Engineers, Telos Technology, *Bangalore*.



## Publications, conference, Work Shop FDP attended by Faculty

| Name              | Publication, Conference, Workshop and FDP | Title                                                                                                                                      | Place and Date                                  |
|-------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| Agalya P          | Conference                                | Pre-conference Expert Lecture Series                                                                                                       | 18 <sup>th</sup> July 2018 at MSRIUAS Bangalore |
| Agalya P          | Publication                               | Development & implementation of VLSI reconfigurable Craber filter in medical imaging application                                           | IJEMR June 2018, Volume 8                       |
| Sangeeta K. Siri. | Publication                               | Universal Liver Extraction Algorithm An Improved Chan–Vese Model,                                                                          | <i>Journal of Intelligent Systems</i> , 2018    |
| Sudha M S         | Publication                               | A Robust Image watermarking Technique using DTCWT and PCA                                                                                  | IJART                                           |
| Sudha M S         | Publication                               | Effect of different attacks on image watermarking using dual tree complex wavelet transform (DTCWT) and principle component analysis (PCA) | IJET Sciencepubco                               |

**Editorial Team: Faculty Coordinator: Sudha M S**

**HOD ECE: Dr. Satheesh Kumar H C**

**Student coordinator: Ganesh G and Vinay (7'A' and 5'B')**