

SAPTHAGIRI COLLEGE OF ENGINEERING,

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

Department of Electronics and communication Engineering

Volume 6 November 2020 ECE PULSE



Vision: To be an endeavoring Department for providing globally relevant learning experience to the students.

MISSION: To Develop entrepreneurial skills of students to make them entrepreneurs rather than employees. To Inculcate societal responsibility in students. To Develop entrepreneurial skills of students to make them entrepreneurs rather than employees. To 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. Sateesh 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.



Memorandum of Understanding (MOU) "KANEKTIFY ACADEMY"



This Memorandum of Understanding is executed on 12Th August 2020 by Sapthagiri college of engineering and KANEKTIFY ACADEMY.This is a Learning & Development Arm of Neovegam Technologies Pvt. Ltd.Bengaluru for promoting Internship, Training, Collaborative Research and Development activities.

MOU with senor project Manage, Principal &HOD of ECE

This MOU will be in action for a period of four years from 10-08-2020 and may be renewed with mutual consent of the parties involved.



Discussion about MOU

Memorandum of Understanding (MOU) "Zeropoint Robotics"

MOU executed between Sapthagiri College of Engineering, Bengaluru and between Zeropoint Robotics Pvt. Ltd., Bengaluru on 10/8/2020for promoting Internship, Training, Collaborative Research and Development activities. MOU will be in action for a period of four years.



MOU Collaboration

.Webinaron "Career Option in Electronics Core Industry, Product Engineering, IOT"

WEBINAR hosted by ECE department in collaboration with SchemaZen Technologies Pvt Ltd on



HOD of ECE and coordinator

"Career Option in Electronics Core Industry, Product Engineering, IOT" on 24-09-2020 for the students of third and final year. The speaker Mr. Karunakaran S founder of SchemaZen Technologies Pvt Ltd explained the core field job opportunity to students of electronics & communication Engineering. There are 198 participants benefitted by this webinar

Webinaron "Latest Trends in Automation Technologies (Industry 4.0)"

Webinar hosted by ECE department in collaboration with IETE and HYDAC INDIA Pvt Ltdon "Latest



Dr. Vijay Kumar Kulkarni and Prof. Kavita R J

Trends in Automation Technologies (Industry 4.0)" by Mr. Santosh M S Senior Manager HYDAC INDIA Pvt Ltd. for the students of second, third and final year. The webinar was conducted on 09.10.2020 and 273 participants benefitted by this webinar.

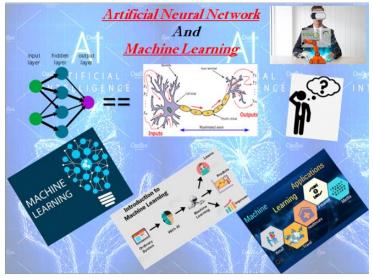
Faculty Publications

Nivedita Malipatil, V. Roopashree, R. H. Sanjana Gowda, M. R. Shobha, H. C. Sateesh Kumar "RFID Based Library Management System" International Journal of Research in Engineering, Science and Management Volume-3, Issue-7, July-2020 | ISSN (Online): 112-115

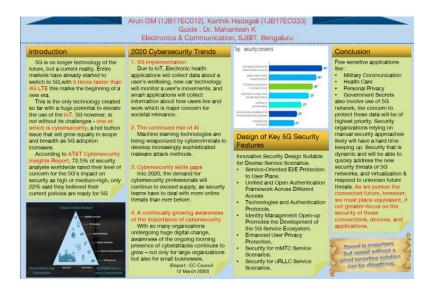
Student achievements

Poster presentation

An online Poster Presentation competition was organized by the PULSE forum of Department of Electronics & Communication Engineering, Sapthagiri College of Engineering in association with IETE on 15th September 2020 in tribute to the greatest Indian Engineer, Sir. M.Visveswaraya. The topics for poster presentation were as follows: Emerging Trends in Industry 4.0, PLC, VLSI, Embedded Systems, Image Processing, Artificial Intelligence and Robotics.



1st Place Prateek J H and Varun L from SCE



2nd Place Arun GM & Karthik Hadagali from SJBIT.

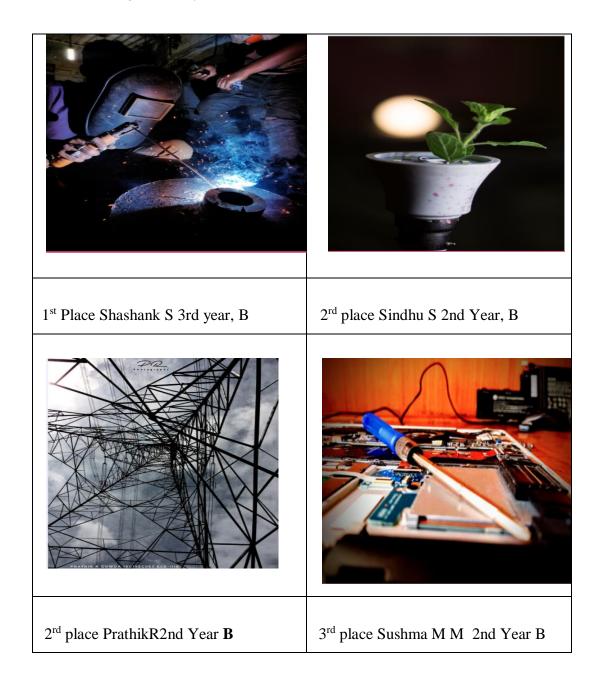
Dance competition

Cultural Committee of Department of Electronics & Communication Engineering, Sapthagiri College of Engineering organized online Dance Competition for ECE students under the club activity on 24 November 2020. Students exhibited their talent through virtual mode.



Photography competition

Cultural Committee of Department of Electronics & Communication Engineering, Saptahgiri College of Engineering organized online photography competition for ECE students on September 15-09-2020 on the occasion of Engineer's Day.



Technical Article by Student

ERGO SENSOR MONITOR THAT HELPS

MAINTAIN POSTURE If you slump down when you're typing on an Ergo Sensor monitor by Philips, it'll suggest that you sit up straighter. To help office workers avoid achy backs and tired eyes, the device's built-in camera follows the position of your pupils to determine how you are sitting. Are you too close? Is your neck tilted too much? Algorithms crunch the raw data from the sensor and tell you how to adjust your body to achieve ergonomic correctness. The monitor can also inform you that it's time to stand up and take a break, and it will automatically power down when it senses that you've left. This truly helps software engineers to be healthy in terms of how computer or laptops can affect them and nullifies it just posture correction. Furthermore advancements can help us overcome that typical headache, Children working on computers won't be much effected. -Lavanya.N 3 semester 'A' Section

Poetry by Student

Mirror

> Deepika 7th sem A Section 1SG17EC025

Workshop attended by student

Sl.		
No.	Name	Description
1	Kushal Bharadwaj B A	2 days works shop on "Android APP Development
		using Block Coding"
2	Akshay Kumar H P	Latest Trends Automation technologies
		(Industry 4.0)
3	Kushal Bharadwaj B A	Ethical Hacking conducted by Kyrion
		Technologies Pvt. Ltd.
4	Kushal Bharadwaj B A	Python Programming Workshop conducted
		by Kyrion Technologies Pvt. Ltd.
5	Kushal Bharadwaj B A	Internet of Things Workshop Conducted by
		Kyrion Technologies Pvt. Ltd.

Editorial Team

Chief Editor: Dr. H C Sateesh Kumar

Editor: Dr. Sudha M S

Student coordinator: Lavanya N & Nagesh (5Á)

Prateek & Divya (5 B)

Santrupti (7 A) & Chandra Kumar U (7 A)