



# Sri Venkateshvara College of Engineering

## Department of Mechatronics

### News Letter for the Even Semester 2019-2020



## *HOD Message*



**Dr. Vijayashree R. Budyal**  
Professor and Head  
Mechatronics Department  
SVCE Bengaluru, Karnataka, India

Department of Mechatronics Engineering strives for increasing the knowledge, enhancing the critical thinking, motivating innovative projects and developing entrepreneurial skill. Mechatronics refers to a flexible, multi-technological approach for integration of mechanical engineering, computer engineering, electronics and information sciences. Mechatronics is essential in the design of intelligent products. It allows engineers to transform their virtual concepts into real life applications. It is a relatively new concept relating to the design of systems, devices and products aimed at achieving an optimal balance between basic mechanical structure and its overall control. We motivate students to do projects related to automation, robotics and societal development.



**Chief Editor:**  
**Deepa K R**  
Assistant Professor  
Dept of EEE  
Bengaluru, Karnataka, India



**Student Coordinator**  
**Name: Hari.k**  
**USN : 1VE18MT007**  
**SEM: 4<sup>th</sup>**

**Class Topper**  
**Name: Surya Prakash**  
**USN : 1VE18MT019**  
**SEM: 4<sup>th</sup>**

## PARTICIPATION IN EVENTS/COURSES:

Sl.No	Name	EVENT	Date
1.	Hari.K	<ul style="list-style-type: none"><li>• Entrepreneurship Awareness Camp</li><li>• Workshop on PYTHON</li></ul>	March 2019 May 2020
2.	Mohnish.KP	<ul style="list-style-type: none"><li>• Entrepreneurship Awareness Camp</li></ul>	March 2019
3.	Suriya Prakash	<ul style="list-style-type: none"><li>• Entrepreneurship Awareness Camp</li></ul>	March 2019
4.	Bhuvan.HS	<ul style="list-style-type: none"><li>• Debugging</li><li>• Industrial Automation</li></ul>	April 2019 September 2019
5.	Jayanth.K	<ul style="list-style-type: none"><li>• Course in JAVA</li><li>• Workshop on PYTHON</li></ul>	August 2019 May 2020
6.	Sethin Raj	<ul style="list-style-type: none"><li>• Industrial Automation</li></ul>	September 2019
7.	Mohnish.KP	<ul style="list-style-type: none"><li>• Industrial Automation</li></ul>	September 2019
8.	Harshitha.S	<ul style="list-style-type: none"><li>• Industrial Automation</li><li>• Workshop on PYTHON</li></ul>	September 2019 May 2020
9.	GH.Sirisha	<ul style="list-style-type: none"><li>• Quiz on COVID19</li></ul>	May 2020

## *Faculty Paper Publications 2019-2020*

<b>Sl. No.</b>	<b>Title of paper</b>	<b>Name of the author/s</b>	<b>Department of the teacher</b>	<b>Name of journal</b>	<b>Year of publication</b>	<b>ISBN/ISSN number</b>
<b>1</b>	“Expectation Maximization and Fuzzy Logic Based Energy Efficient Data Collection in Wireless Sensor Networks with Mobile Elements”	Swapna ch, Vijayashree R Budyal	ECE, EEE	IEEE 7 <sup>th</sup> International Conference on Signal Processing and Integrated Networks (SPIN-2020), Noida, Delhi-NCR	27th -28th Feb. 2020	E-ISSN 2688-769x
<b>2</b>	Hardness and Microstructure Studies on the Effect of Solution-Treated Age-Hardened Al-6082 alloy	C B Shashikumar, K R Harish, Raghavendra P Nilugal	Nageshree enterprises, ME	Intelligent Manufacturing and Energy Sustainability in springer series pp319-327	15th February 2020	978-981-15-1615-0
<b>3</b>	“Novel Pseudonym Generation for Secured Privacy in Vehicular Adhoc Networks”	Swapna ch, Vijayashree R Budyal	ECE, EEE	International Journal of Recent Technology and Engineering	December 2019.	ISSN: 2277-3878
<b>5</b>	Vehicle theft detection and toll collection system	Kursheed B, Ramya P, Prema V	EEE	IJEAT, International journal of Engineering and Advanced Technology, VOL.8, issue 5	Aug-19	ISSN: 2249-8958

## EVENTS ORGANIZED BY DEPARTMENT OF MECHATRONICS .

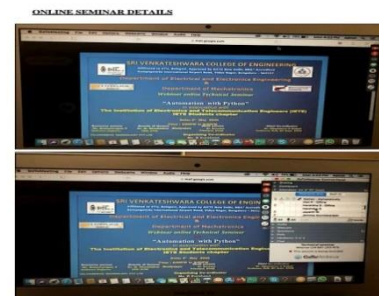
The Department Mechatronics and Electrical and Electronics Engineering of Sri Venkateshwara College of Engineering organized an industrial visit to “Schematic industrial solutions” on 28 Feb 2020.



Department of Mechatronics and Department of Electrical & Electronics of SVCE conducting “Industrial Automation and Student Robotic club” classes in association with Schematic industrial solutions, Bangalore



Department of Mechatronics and Department of Electrical & Electronics of SVCE conducted Online Technical seminar on “Automation with Python”\_In association with IETE on 4<sup>th</sup> May 2020.



Department of Mechatronics and Department of Electrical & Electronics of SVCE conducted Online Technical webinar on “Power System Harmonics : Causes, Effects and Mitigation ”\_In association with IETE on 16<sup>th</sup> June 2020.

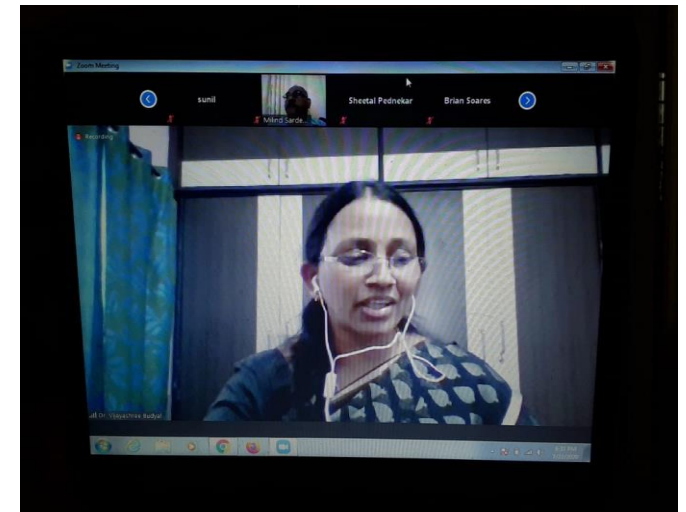


Department of Mechatronics and Department of Electrical & Electronics of SVCE conducted Online Technical webinar on “[Advanced Fluid Dynamics and Career Option](#)” In association with IETE on 18<sup>th</sup> July 2020 by Mr.Abhijith Deshpande Technical Expert-CFD Mercedes-Benz, Bangalore.



## Faculty Outreach

Dr.Vijayashree R Budyla, Professor and Head, Department of Mechatronics was invited for webinar on “BASICS OF FUZZY LOGIC AND ITS APPLICATION” on 22<sup>nd</sup> July 2020 from Indian Society of Heating Refrigeration and Air Conditioning Engineers , GOA Chapter



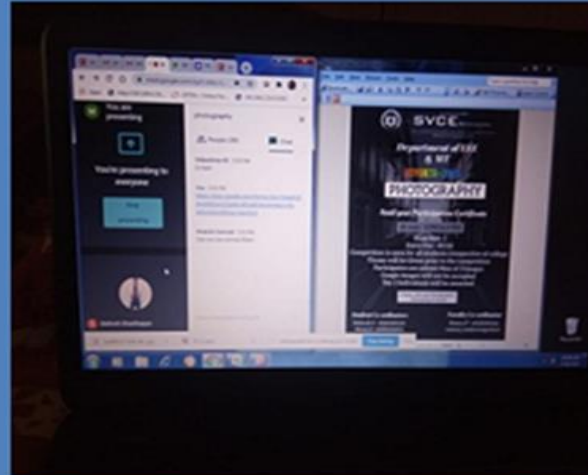
## UDYUKTA VIRTUAL TECH FEST 2020:

Department of Mechatronics and Department of Electrical & Electronics Engineering ,Mechanical Engineering and Electronics and Communication of SVCE conducted number of Technical and Non technical Events on 20<sup>th</sup> and 21<sup>st</sup> July 2020.

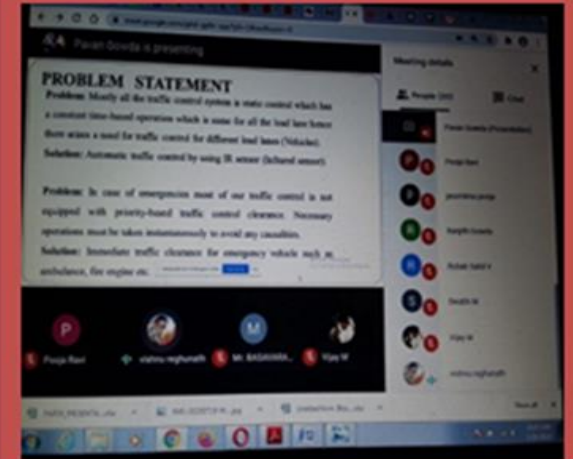
### CIRCUIT DEBUGGING



### PHOTOGRAPHY



### PAPER PRESENTATION



### GENERAL QUIZ



### IDEA BLAST



### PIC COLLAGE

