

**P.S.V College of Engineering and  
Technology, Krishnagiri-635108**



# SPARKS

December 2022

Volume: 01, Issue: 01

**DEPARTMENT OF ELECTRICAL AND  
ELECTRONICS ENGINEERING**

December 2022  
Volume 1, Issue 1

**Chief Patron:**

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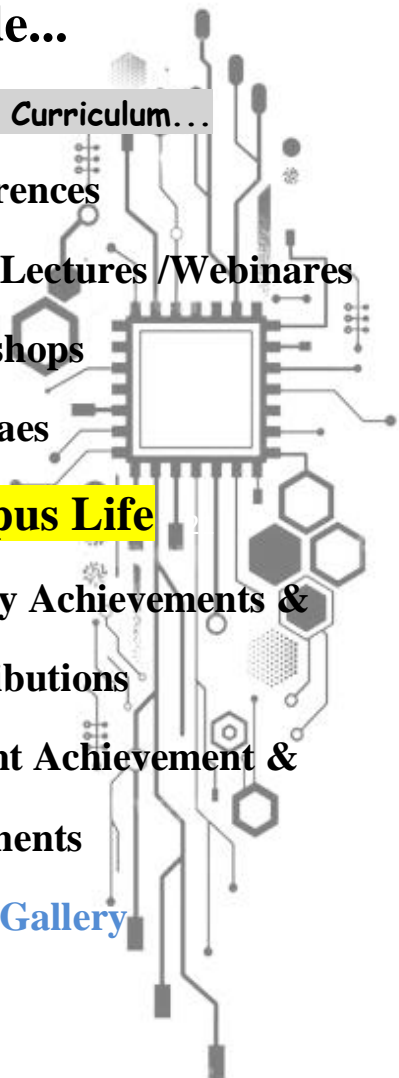
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## Dear Esteemed Readers,

With immense pleasure, the Sparks Team extends warm greetings to you!

We are thrilled to present to you the latest edition of the Sparks Newsletter, which stands as a testament to the collaborative efforts and innovative ideas brought forth by numerous adept writers and designers from the Electrical and Electronics Engineering department.

Within the pages of this edition, you will discover a diverse array of topics. Furthermore, the visual appeal of the Newsletter is enriched by the artistic layouts meticulously crafted by our talented designers.

We express our heartfelt gratitude to our Head of Department, Dr. B. Gokulakrishnan, for his invaluable guidance and unwavering support in refining both the content and overall presentation of the Newsletter. Additionally, our deepest appreciation goes to Dr. L. P. Vettrivelan, our esteemed faculty in charge, whose mentorship has been instrumental in steering our editorial board and also our beloved faculty in charge Mr. R. Vasanth kumar encouragement and assistance have been invaluable in overcoming challenges and realizing our creative vision.

Furthermore, we extend our sincere thanks to our college administration and department for providing us with the platform and resources to bring this publication to fruition.

We sincerely hope that you find this edition of the Sparks Newsletter as engaging and enlightening as we did in curating it!

Warm Regards,

R. Prasath, III Year EEE

S.Karthick, III Year EEE



FROM HOD'S DESK



## **Welcome to the Department of Electrical and Electronics Engineering...!**

We are having hard-working students and dynamic faculty, whose expertise spans the range of disciplines in various stream and a very healthy work-culture, are the basic elements that comprise the Department of Electrical and Electronics Engineering, the hub of the institute's academia.

Our students stand at the intersection of innovation and tradition, where our commitment to excellence serves as the guiding light illuminating our path forward. It is with great pride that we witness the dedication and passion exhibited by our students and faculty in pursuit of knowledge and academic distinction.

Our department is not merely a collection of individuals, but a cohesive community bound together by a shared vision of shaping the future through the power of electrical and electronic engineering. Whether we are exploring the realms of renewable energy, advancing cutting-edge technologies, or delving into the intricacies of power systems, our collective efforts propel us towards greater heights of success and achievement.

I am confident that the students of our department would justify the credibility of the department by showing a high level of professional competence in their respective field.

I wish Best of Luck to all of them....!!!

**Dr.B.Gokulakrishnan,M.E.,Ph.D.,**

**HoD /EEE,**


**PSVCET-Krishnagiri.**



## ACTIVITIES BEYOND CURRICULUM

A number of Guest Lectures, Seminar, Technical seminar and workshops from various Institutional and Industrial Experts in the field were organized by our departments for in-depth understanding of the subjects. Table shows the list of some interesting events organized:

Name of the chapters	Details of activity	Resource persons	Date
ISTE	Workshop on ETAP Application in Power System	Mr.D.Purushothaman, Senior Manager, NumericPower System,Chennai.	19.09.2022
EEE Association - Spark Club	Guest Lecture on Economic Dispatch and Optimum Control in Power Systems	Dr.R.Valarmathi, M.E.,Ph.D., Asso.Prof./EEE NSIT, Salem.	18.08.2022


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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

**IN ASSOCIATION WITH**



**Organizes Workshop on ETAP Application in Power System**

Speaker  
**Mr. D.Purushothaman,**  
Senior Manager,  
Numeric Power System,  
Chennai.


**DATE**  
 19.09.2022  
**TIME**  
 10.00 A.M TO 1.00 P.M

ORGANIZER  
 Dr.B.GOKULAKRISHNAN,M.E.,Ph.D.,  
 HoD/EEE

EVENT CO-ORDINATOR  
 Mrs.M.SANKARALAKSHMI,M.E.,  
 AP/EEE


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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

**IN ASSOCIATION WITH**



**Organizes Guest Lecture on Economic Dispatch and Optimum Control in Power Systems**

Speaker  
**Dr.R.Valarmathi,M.E.,Ph.D.,**  
Asso.Prof/EEE  
NSIT, Salem


**DATE**  
 18.08.2022  
**TIME**  
 10.00 A.M TO 1.00 P.M

ORGANIZER  
 Dr.B.GOKULAKRISHNAN,M.E.,Ph.D.,  
 HoD/EEE

EVENT CO-ORDINATOR  
 Mrs.M.SANKARALAKSHMI,M.E.,  
 AP/EEE

## FACULTY ACHIEVEMENTS

### **FACULTY DEVELOPMENT PROGRAM:**

S.No	Name of the Faculty	Name of the Training Program	Name of the Organised Institution	Number of Days	International/ National
1	Dr.B. Gokulakrishnan	Personality Development for teachers in HEI's	IOT Academy	28.11.2022 to 2.12.2022	National
2	Mr. D. Jayahar	Hybrid Electric Vehicles	V R Siddhartha Engineering College	21.11.2022 to 25.11.2022	National
3	Dr.C.Bhuvaneswari	Hybrid Electric Vehicles	V R Siddhartha Engineering College	21.11.2022 to 25.11.2022	National

### **CONFERENCE:**

S.No	Name of the Faculty	Name of the Training Program	Name of the Organised Institution	Number of Days	International/ National
1	Dr.V. Geetha	Comparative Analysis of Single-Phase Buck-Boost Converter for Power Factor Correction and Harmonics Reduction	PSVCET	29.08.2022 to 30.08.2022	National

## STUDENTS ACHIEVEMENTS

### ACADEMIC TOPPERS:

S.No	Register Number	Name of the Student	Rank
<b>IV YEAR/VIII SEM</b>			
1	611818105010	HARINI.D	I
2	611818105503	RAGAVI.R	II
3	611818105012	MUNNIYAPPAN.D	III
<b>III YEAR/ VI SEM</b>			
1	611819105308	RAJABHUVANESHWARIM	I
2	611819105311	SOFIYA HAMEED.S	II
3	611819105306	PARAMESWARIG	III
<b>II YEAR/ IV SEM</b>			
1	611820105016	ROOBAVANAN.E	I
2	611820105024	THENMOZHIV	II
3	611820105003	BOOBATHY.A	

### EVENTS PARTICIPATED:

S.No.	Name of the Student	Event	Place	Date	Awarded/ Participated
1	Gokul R	Paper Presentation	Er. Perumal Manimekali college of Engineering	15.11.2022	I
2	Yogesh A	Tech Quiz	Er. Perumal Manimekali college of Engineering	17.11.2022	I
3	Yogesh A	Poster Presentation	Er. Perumal Manimekali college of Engineering	17.11.2022	II
4	Hari V	Poster Presentation	Er. Perumal Manimekali college of Engineering	17.11.2022	II
5	Tharun S	Poster Presentation	Er. Perumal Manimekali college	17.11.2022	III

## PHOTO GALLERY



Guest Lecture on Economic Dispatch and Optimum Control in Power Systems on 18.08.2022



Workshop on ETAP Application in Power System on 19.09.2022