

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



# SPARKS

December 2021

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**DEPARTMENT OF ELECTRICAL AND  
ELECTRONICS ENGINEERING**

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

# EDITORS NOTE

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 Mrs. M. Sankaralakshmi 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,

V.Hari, III Year EEE

S.Ranjith Kumar, II 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

<b>Name of the chapters</b>	<b>Details of activity</b>	<b>Resource persons</b>	<b>Date</b>
<b>EEE Association - Spark Club</b>	<b>Seminar on Applications of Power Electronics in Power Systems Engineering</b>	<b>Mr.S.Karthikeyan,M.E. Director, ARK Tech Automation Solution Pvt Ltd., Coimbatore</b>	<b>09.12.2021</b>
<b>ISTE</b>	<b>Workshop on Embedded System in Real Time Applications</b>	<b>Mr.N.Srinivasan, Director Pantech E-learning, Chennai</b>	<b>11.11.2021 &amp; 12.11.2021</b>
<b>ISTE</b>	<b>Workshop on PCB Design</b>	<b>Mr.R.Jayakumar Arul Jothi Transformer Company, Dharmapuri</b>	<b>17.10.2021</b>
<b>ISTE</b>	<b>Seminar on Innovative Technologies performed in HV Engineering</b>	<b>Dr.B.Perumal, M.E.,Ph.D.,HoD/EEE ACE-HOSUR</b>	<b>27.09.2021</b>
<b>ISTE</b>	<b>Workshop on Overview of IC Fabrication Cycle and Basics of Post Silicon Validation</b>	<b>Mr.R.Parthiban Director Caliber systems Salem</b>	<b>06.09.2021</b>



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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**IN ASSOCIATION WITH**




**Organizes Seminar on  
Innovative Technologies performed in HV Engineering**

**Scheduled on 27.09.2021**

**Speaker**  
**Dr.B.Perumal, M.E.,Ph.D.,**  
**HoD/EEE**  
**ACE-HOSUR**

**ORGANIZER**  
Prof.D.JAYAHAR,M.E.,(Ph.D).,  
HoD/EEE

**EVENT CO-ORDINATOR**  
Mrs.A.VIMAL ,M.E.,  
AP/EEE



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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**IN ASSOCIATION WITH**

**SPARK CLUB**

**Organizes Seminar on  
Applications of Power Electronics in Power Systems Engineering**

**Speaker**  
Mr.S.Karthikeyan,M.E.,  
Director, ARK Tech Automation  
Solution Pvt Ltd., Coimbatore

**ORGANIZER**  
Prof.D.JAYAHAR,M.E.,(Ph.D).,  
HoD/EEE

**DATE**  
09.12.2021

**TIME**  
10.00 A.M TO 4.00 P.M

**EVENT CO-ORDINATOR**  
Mrs.A.VIMAL ,M.E.,  
AP/EEE

# FACULTY ACHIEVEMENTS

## FACULTY DEVELOPMENT PROGRAM

<b>S.No</b>	<b>Name of the Faculty</b>	<b>Name of the Training Program</b>	<b>Name of the Organized Institution</b>	<b>Number of Days</b>	<b>International / National</b>
1	Dr.L.P.VETTRIVELAN	The Era of change- recent advancement of machine learning in terms of AI and IOT	SRM Institute of science and Technology	12.07.2021 to 25.07.2021	National
2	Dr. C. BHUVANESWARI	Research Challenges Opportunities in Smart Grid with Integration of Electrical Vehicle	VEMU Institute of Technology	08.10.2021 to 12.10.2021	National

## WORKSHOP

<b>S.No</b>	<b>Name of the Faculty</b>	<b>Name of the Training Program</b>	<b>Name of the Organized Institution</b>	<b>Number of Days</b>	<b>International / National</b>
1	Dr. C. BHUVANESWARI	Embedded System Design by using Raspberry Pi Controller and its Application	Pantech e Learning	11.11.2021 to 12.11.2021	National

# STUDENTS ACHIEVEMENTS

## ACADEMIC TOPPERS

<i>S.No</i>	<i>Register No.</i>	<i>Name of the Student</i>	<i>Rank</i>
<b>IV YEAR/VII SEM</b>			
<b>1</b>	<b>611818105019</b>	<b>Thenmozhi.E</b>	<b>I</b>
<b>2</b>	<b>611818105010</b>	<b>Harini.D</b>	<b>II</b>
<b>3</b>	<b>611818105013</b>	<b>Muthamizhan.C</b>	<b>III</b>
<b>III YEAR/ V SEM</b>			
<b>1</b>	<b>611819105308</b>	<b>Rajbhuvaneswari.M</b>	<b>I</b>
<b>2</b>	<b>611819105014</b>	<b>Harsha Varthini.P.B</b>	<b>II</b>
<b>3</b>	<b>611819105026</b>	<b>Sowmika.K</b>	<b>III</b>
<b>II YEAR/ III SEM</b>			
<b>1</b>	<b>611820105024</b>	<b>Thenmozhi.V</b>	<b>I</b>
<b>2</b>	<b>611820105003</b>	<b>Boopathy.A</b>	<b>II</b>
<b>3</b>	<b>611820105016</b>	<b>Roopavanan.E</b>	<b>III</b>

## EVENTS PARTICIPATED

<i>S.No.</i>	<i>Name of the Student</i>	<i>Event</i>	<i>Place</i>	<i>Date</i>	<i>Awarded/ Participated</i>
<b>1</b>	<b>Hari V</b>	<b>Essay Writing</b>	<b>Adhiyamaan College of Engineering- Hosur</b>	<b>14.12.2021</b>	<b>II</b>



# PHOTO GALLERY



Workshop on PCB Design dated on 17.10.2021



Workshop on Overview of IC Fabrication Cycle and Basics of Post silicon validation dated on 06.09.2021



Workshop on Embedded System in Real Time Applications dated on 11.11.2021



Seminar on Applications of Power Electronics in Power Systems Engineering dated on 09.12.2021