

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING**

VIDYUT

2020

OFFICIAL NEWSLETTER



www.svce.ac.in

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

NEWSLETTER

Editorial Team

Dr. KR. Santha, Professor & Head

Dr. Sudhakar K Bharathan, Professor

Dr. R. Karthikeyan, Associate Professor

Ms.S. Sinthamani, Assistant Professor

Ms. K S. Pavithra, Assistant Professor

Mr.Padmanaban Alagappan, IIIrd Year

Mr.M.Adithyan, Ist Year



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About The Department

The Department of Electrical and Electronics Engineering was started in the year 1985 to cater to the needs of the Electrical engineering subjects in Electronics and Communication Engineering, Mechanical Engineering and Computer Science Engineering. Starting with an intake capacity of 60 in 1994 the Department of Electrical and Electronics Engineering is now catering to the growing need of 120 students. The Department has secured permanent affiliation with Anna University and accredited for five years by NBA for the third consecutive time.

The post graduate program (M.E) in Power Electronics and Drives was started in 2002. The Department has an intake strength of 06. The Department has well equipped state -of- the- art laboratories and is recognized as a nodal research centre of Anna University. The Department has well qualified, experienced faculty and staff members of proven ability and profound skills. The Students of the department are being placed in various reputed companies and substantial number of students pursue higher studies abroad.

There are 31 faculty members in the department, out of which 18 of them are PhD holders, 11 of them are pursuing their PhD.

SRI VENKATESWARA COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Vision of the Institution

To be a leader in Higher Technical Education and Research by providing the state of the art facilities to transform the learners into global contributors and achievers.

Mission of the Institution

To develop SVCE as a "CENTRE OF EXCELLENCE" offering Engineering Education to men and women at undergraduate and postgraduate degree levels, bringing out their total personality, emphasizing ethical values and preparing them to meet the growing challenges of the industry and diverse societal needs of our nation.

Vision of the Department

The vision of Electrical and Electronics Engineering Department is to provide a high standard of education in Electrical and Electronics Engineering so as to meet the industry standards through domain knowledge, programming and soft skills.

Mission of the Department

M1: To create state of the art facilities such that the students excel in Electrical and Electronics Engineering education.

M2: To equip students with a well defined curriculum to meet the requirements of Industries and society.

M3: To promote a culture of research, innovation and entrepreneurship in the thrust and allied areas of Electrical and Electronics Engineering

M4: To inculcate soft skills and foster ethical values and shape the total personality of the students.

Program Educational Objectives (PEOs) UG-EEE

PEO1: Graduates will serve as engineering contributors in the emerging fields of Electrical and Electronics Engineering.

PEO2: Graduates will become entrepreneurs through human centered design thinking and innovation.

PEO3: Graduates will be successful in pursuing higher studies in engineering or management.

PEO4: Graduates will be effective and ethical team players in the field of green energy management and sustainability.

Program Outcomes (POs) for UG-EEE

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3. Design/development of solutions: Design solutions for complex engineering problems and design system components processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. Modern tool usage: Create, select and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make

- effective presentations, and give and receive clear instructions.
11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and lead.
 12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs) for UG-EEE (R2022)

PSO1: Design, analyse and implement Power Electronics circuit with smart control systems for Industrial drives and Electric Vehicles.

PSO2: Analyse the safety, stability, control and protection of vertical and deregulated Smart grid power systems, and interconnection of micro grid, comprising Renewable, Storage and Nano technologies.

Program Outcomes (POs) for PG-PED

PO1: An ability to independently carry out research/investigation and development work to solve practical problems.

PO2: An ability to write and present a substantial technical report/document.

PO3: Students should be able to demonstrate a degree of mastery over the area as per the specialization of the program. The mastery should be at a level higher than the requirements in the appropriate bachelor program.

Program Specific Outcomes (PSOs) for PG-PED

PS01: The ability to design and analyze Power Electronic converters and control of Electric drives for Industrial applications.

PS02: The ability to apply Power Electronic Circuits in Transmission and distribution network of Power System and interconnection of Renewable Energy.

Student Achievements












V. Krishna Aadithya of final year EEE 'A' got 3rd place in "**Driving Electrification - Future of Battery housing**" Challenge and bagged prize money of **Rs: 25610** on 11.12.2020





Paper Presented in International Conferences

- Mr.V. Krishna Aadithya presented a paper titled, “High Speed and Low power Carry Select Adder using optimized Carry Select Unit” in the AICTE sponsored International Conference on ‘Smart Materials & Industry 4.0’SMETI2020 at Sri Venkateswara College of Engineering, 16,17 October2020. 16th & 17th October 2020
- Mr. Rajaram R of final year student, presented a paper titled” Speed and motion control of servo motor for steering industry” in the AICTE sponsored International Conference on ‘Smart Materials & Industry 4.0’SMETI2020 at Sri Venkateswara College of Engineering, 16,17 October2020. 16th & 17th October 2020.
- Ms.Pavithra P ,Poornima K ,Pooja V Rajan and Umayal R, presented a paper titled, “Ecg Analysis Algorithms: An Overview And Comparative Study” in the AICTE sponsored International Conference on ‘Smart Materials & Industry 4.0’SMETI2020 at Sri Venkateswara College of Engineering, 16,17 October 2020. 16th & 17th October 2020.

Higher studies detail during July-December 2020 (from 2016-2020 batch)

Sl no	Student Name	Higher studies Detail
1	 VARSHASRINIVASAN	M.E, Electrical and Computer Engineering, University of Ottawa Canada
2	 KAVIN RAJ	MSc, International Business Management, Stratford Campus, Water Lane, London
3	 RAJARAM R	M.S Systems and Information, Indian Institute of Technology Madras, India
4	 ARUNCHANDRU C	MSc, Advanced Electrical Power and Energy Systems, University of Strathclyde Scotland, UK

5	 <p>MONISH R</p>	<p>MSc, Electrical Engineering, Technical University, Denmark</p>
6	 <p>RAKSHICKSHRINIVAS</p>	<p>MSc, Photonics Engineering, Technical University, Denmark</p>
7	 <p>SANJAY R</p>	<p>MSc, International Business Management, Newcastle University, UK</p>
8	 <p>SHIFAYATH AHMEDS</p>	<p>MSc, Mechatronic Systems, Kingston University, London</p>
9	 <p>PAVITHRA P</p>	<p>MBA, PSG Institute of Advance Studies, Coimbatore, India</p>

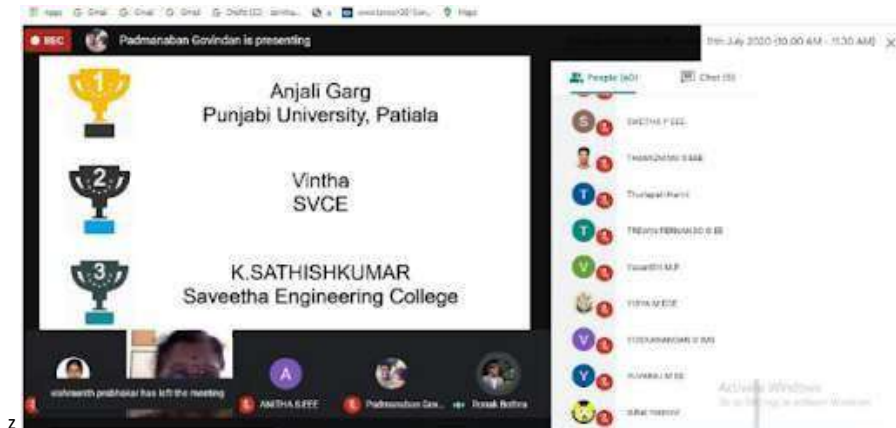
<p>10</p>	 <p>THENAMUTHAN B</p>	<p>M.E, Industrial Safety Engineering, SRM Valliammai Engineering College Chennai, India</p>
<p>11</p>	 <p>THARUN PRAKASH</p>	<p>M.B.A, Financial Management, University of Madras, India</p>
<p>12</p>	 <p>ROHITHVISHAL P</p>	<p>MS, Computer Science and Electrical Engineering Hochshule Wismar University of Applied Science Technology, Business and Design, Germany</p>
<p>13</p>	 <p>SANGEETHA R</p>	<p>MBA, Anna University, Chennai, India</p>

Events organized by Association of Electrical and Electronics Engineers-(AEEE)

Webinar on Programming for Everybody -Getting Started WithPython

The EEE department of Sri Venkateswara College of Engineering organized an online webinar on “PROGRAMMING FOR EVERYBODY –GETTING STARTED WITH PYTHON” by Dr.KR.Santha, Vice-Principal, Professor and Head, Department of EEE, SVCE on 11th July 2020. Faculty members and students of various engineering colleges throughout India and SVCE registered for this event. 228 registrations were received. Around 130 registered participants attended the webinar. The presentation dealt with programming with python, its usage, its data types, operators, statements, functions, exception handling, input/output, and its library. Execution of coding using PYCHARM and PY3 was demonstrated. An online quiz competition based on the lecture was also conducted at the end of the webinar to encourage the students.





Python Roadmap

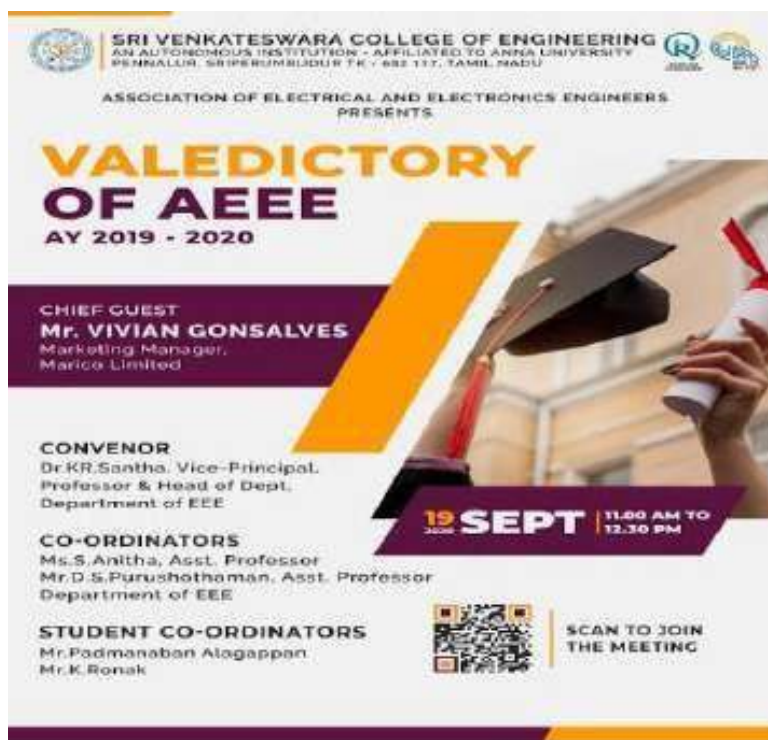
The EEE department of Sri Venkateswara College of Engineering organized an online webinar on Python Roadmap, a guide to master the fastest-growing and most popular programming language was held on a virtual platform – Google Meet on the 8th of August, 2020 holding an overwhelming count of an audience of 153 by the General Secretary of AEEE, Mr. Padmanaban Alagappan to help students utilize the lockdown period productively by learning programming languages, particularly Python being the multi-purpose language.

It covered all aspects of mastering the programming language – ‘Why python?’, ‘What after python?’ and ‘Career Guidance to stay a step ahead’. The event concluded with a session of senior to junior interaction

Valedictory of Association of Electrical and Electronics Engineers -AEEE (AY 2019 – 2020)

The valedictory ceremony of Association of Electrical and Electronics Engineering (AEEE) for the academic year 2019 – 2020, was held on 19th September 2020. The ceremony was organized virtually on Google Meet with 150 participants in the meeting.

The ceremony embarked with a welcome address and a soothing prayer song. Following this, a speech was delivered by Dr.KR.Santha, Vice Principal, SVCE and HOD/EEE who inspired the participants by sharing her 25 years of experience at SVCE and also welcomed the chief guest Mr.Vivian Gonsalves, Marketing Manager, Marico Limited. The Annual report of AEEE for the academic year 2019 – 2020 was presented by Mr.D.S.Purushothaman, AP/EEE. The report included 25 various events, marking it the most successful and highest record till date. Ms.S.Anitha, AP/EEE affirmed the contribution of each member of AEEE for making it a successful year



The poster for the AEEE Valedictory ceremony features a background image of a person in a graduation cap and gown. The text is organized into several sections: the top header includes the college name and affiliation; the main title 'VALEDICTORY OF AEEE AY 2019 - 2020' is prominently displayed; the 'CHIEF GUEST' section lists Mr. Vivian Gonsalves; the 'CONVENOR' section lists Dr. KR. Santha; the 'CO-ORDINATORS' section lists Ms. S. Anitha and Mr. D. S. Purushothaman; and the 'STUDENT CO-ORDINATORS' section lists Mr. Padmanaban Alagappan and Mr. K. Ronak. A date and time banner for '19 SEPT 2020' is shown, along with a QR code and the instruction 'SCAN TO JOIN THE MEETING'.

SRI VENKATESWARA COLLEGE OF ENGINEERING
AN AUTONOMOUS INSTITUTION - AFFILIATED TO ANNA UNIVERSITY
PENNALAR, SRIPERUMBUDUR T.E - 602 117, TAMIL NADU

ASSOCIATION OF ELECTRICAL AND ELECTRONICS ENGINEERS
PRESENTS

VALEDICTORY OF AEEE

AY 2019 - 2020

CHIEF GUEST
Mr. VIVIAN GONSALVES
Marketing Manager,
Marico Limited

CONVENOR
Dr.KR.Santha, Vice-Principal,
Professor & Head of Dept.,
Department of EEE

CO-ORDINATORS
Ms.S.Anitha, Asst. Professor
Mr.D.S.Purushothaman, Asst. Professor
Department of EEE

STUDENT CO-ORDINATORS
Mr.Padmanaban Alagappan
Mr.K.Ronak

19 SEPT 2020 | 11:00 AM TO 12:30 PM

SCAN TO JOIN
THE MEETING

Inauguration of Association of Electrical and Electronics Engineers (AEEE) for the AY 2020 – 2021

The inaugural event of Association of Electrical and Electronics Engineering (AEEE) for the academic year 2020 – 2021, was held on 19th September 2020. The event was organized virtually through Google Meet at 11.00 A.M and it lasted for an hour. There were about 150 participants in the meeting.

The event instigated with welcome address and soothing prayer song. Following this, a speech was delivered by Dr. KR. Santha, Vice Principal, Prof. & HOD/EEE who inspired the participants by sharing her 25 years of experience at SVCE and also welcomed the chief guest Mr.Vivian Gonsalves, Marketing Manager, Marico Limited who presented a motivating speech. The AEEE coordinators announced the elected members of AEEE 2020.



The poster for the inauguration of AEEE 2020 features the following information:

- Organizer:** SRI VENKATESWARA COLLEGE OF ENGINEERING, AN AUTONOMOUS INSTITUTION - AFFILIATED TO ANNA UNIVERSITY, PENNALAR, SRPERUMBUDUR TK - 602 117, TAMIL NADU.
- Event Title:** INAUGURATION OF AEEE 2020
- Theme:** "The New Beginning of Virtual Events"
- Chief Guest:** Mr. VIVIAN GONSALVES, Marketing Manager, Marico Limited.
- Convenor:** Dr. KR. Santha, Vice-Principal, Professor & Head of Dept., Department of EEE.
- Co-ordinators:** Mr. S. Kumaravel, Asst. Professor; Dr. M. Sankar, Asst. Professor, Department of EEE.
- Student Co-ordinators:** Mr. Padmanaban Alagappan; Mr. K. Ronak.
- Date and Time:** 19 SEPT 2020, 11.00 AM TO 12.30 PM.
- QR Code:** SCAN TO JOIN THE MEETING.

Guest lecture on ‘Building a Data Centre Network

The guest lecture on ‘Building a Data Centre Network’ was presented by Mr. Balasubramanian V S, Senior Analyst, IT Network Development, DELL Technologies based Massachusetts, our alumni, which was held on 26th September 2020. The event was conducted virtually through Google meet. The event started at 6:30 PM and last for 1.5 hours holding about 80 participants which included students as well as faculty member.



The three prerequisites for building a data centre network are knowledge about IP addressing and subnets, switches and finally the routers. He provided prolific explanations on IP addressing and Switches which was really engrossing for the participants. After the prerequisites explanation he continued with Data Centre Topology and Packet flow in a data centre. The session ended with the vote of thanks by Dr. KR Santha, Vice Principal, Prof. & HOD/EEE.

Guest lecture on “Career guidance And Prospects Post EEE”

On 3rd October 2020, Association of Electrical and Electronics Engineers of SVCE, had organized a guest lecture on “Career guidance And Prospects Post EEE” by Mr. Adithiyas Sreenivasan Nagarajan. It was an intra-department event. Due to pandemic situation, this

event was conducted virtually through Google meet and it started at 5 p.m and lasted for one hour. 75 students participated in this guest lecture.

The poster is for a guest lecture titled "BUILDING A DATA CENTER NETWORK". It features a background image of a data center aisle with blue server racks. At the top, it lists "SRI VENKATESWARA COLLEGE OF ENGINEERING" and "ASSOCIATION OF ELECTRICAL AND ELECTRONICS ENGINEERS PRESENTS". The speaker is identified as "MR. BALASUBRAMANIAN V.S. SENIOR ANALYST, IT NETWORK DEVELOPMENT, DELL TECHNOLOGIES BASED IN MASSACHUSETTS". Below the title, it lists the "CONVENOR" as Dr. KR. Santha and "CO-ORDINATORS" as Mr. S. Kumaravel and Dr. M. Sankar. The event date is "26 SEPT 2020" from "6.00 PM TO 7.00 PM". A QR code is provided with the text "SCAN TO JOIN".

The guest Mr. Adithiya Sreenivasan Nagarajan is a Senior manager - Projects - South Asia at KEC International Ltd and is an alumni of SVCE. The event started with a warm welcome address by Dr. KR. Santha, Vice Principal, Prof. &, HOD/EEE

Guest lecture on "My Experiences in Everything between Magnificent Industrial Robots to Minuscule Low-Power Embedded Internet of Things"

On behalf of the Association of Electrical and Electronics Engineers (AEEE), Department of Electrical and Electronics Engineering a guest lecture was organized online on 15/10/2020 (Thursday) from 5.00 PM to 6.00 PM. 52 students were present in the online event. The event

started with a warm welcome address by Dr.KR.Santha, Vice Principal, Prof. &, HOD/EEE.

The guest speaker Mr. Vijay Karthick Baskar, Embedded System Engineer, Dover Corp., Internet of Things, also our alumni, presented a lecture on the topic "My Experiences in Everything between Magnificent Industrial Robots to Minuscule Low-Power Embedded Internet of Things". The lecture motivated the students to take up projects in industrial automation domain. The event came to an end with vote of thanks.



Events Organized by IEEE Student Branch Activities CIRCUITRIX-20

The IEEE student branch – SVCE, Sriperumbudur organized a circuit based design competition on 12.09.20 through online mode. The competition had three rounds of written test, technical debate and a half-day hack-a-thon. 72 teams (2 members per team) took part in the event. The event was attended by students from other institutions like St. Joseph's College of Engineering and RIT.

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IEEE STUDENT CHAPTER PRESENTS

CIRCUITRIX' 20

12TH SEPTEMBER 2020

Cash Prize worth Rs.3000

Registrations closing on 9th September 2020

Event Details:

ROUND 1: Technical Quiz.

ROUND 2: Technical verbal test.

ROUND 3: Problem-based circuit analysis round.

IEEE STUDENT BRANCH CHAIRPERSON:
Dr.KR.SANTHA, VICE-PRINCIPAL HOD/EEE

COORDINATORS:
-Dr.P.Jothilakshmi, Prof/ECE
-Ms.S.Anitha, AP/EEE
-Ms.C.Gomatheeswari Preethika, AP/ECE

REGISTER USING THE QR CODE

CONTACT: KESHAV +91 7358643658 | RONAK +91 8300146225

Inauguration of IEEE Student Branch (2020-21)

The IEEE student branch – SVCE, Sriperumbudur has been inaugurated for its activities for the academic year 2020 – 21 on the 26th of September, 2020. The Guest of Honor, Dr. Balasubramaniam Esakki (Head at the centre of Autonomous System Research, Professor, Mechanical Department, Vel Tech Rangarajan Dr Sagunthala R&D Institute of Science and Technology, Chennai) hosted a Webinar for the students on an engrossing topic ‘UAV AND ITS APPLICATIONS’. Dr.Balasubramaniam explained all the major applications, the types of UAVs, its construction design and most importantly presented various UAV projects that were designed under his guidance. More than 80 students and members of IEEE participated in the event. The office bearers were introduced by the chief guest to the gathering at the end of the session.

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PENNALAR, SRIPERUMBUDUR TE - CHENNAI - 608117

IEEE STUDENT CHAPTER PRESENTS
**VALEDICTORY AND
INAUGURAL 2020**
26TH SEPTEMBER 2020
5 - 6:30 PM

WEBINAR TOPIC: UAV AND IT'S APPLICATIONS

IEEE STUDENT BRANCH CHAIRPERSON:
DR. KR. SANTHA, VICE-PRINCIPAL
HOD/EEE

COORDINATORS:
- DR. P. JOTHILAKSHMI, PROF/ECE
- MS. S. ANITHA, AP/EEE
- MS. C. GOMATHEESWARI PREETHIKA, AP/ECE

CHIEF GUEST:
DR. BALASUBRAMANIAM ESAKKI
HEAD AT THE CENTRE OF AUTONOMOUS SYSTEM RESEARCH
VEL TECH UNIVERSITY

SCAN TO JOIN
THE MEETING

CONTACT KESHAV E - 7358643658 | RONAK - 8300146225




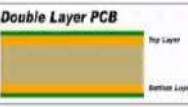
A one day Workshop on PCB Design and Fabrication

The IEEE Student Chapter in association with Array Coaching organized a one-day workshop on 'PCB DESIGN AND FABRICATION' on the 18th of October, 2020. The workshop was structured to gather input and insights from experts about PCB design and fabrication. The workshop was handled by Mr. Jyothiraditya R and Ms. Soundarya who explained and demonstrated 3 specific projects, which helped the participants to get a clear view of designing PCB's using eagle software. The first project was based on designing a 555 Timer IC. The second project was based on designing the popular Arduino UNO Board. The final project was based on designing an IR Sensor. All the design projects were clearly explained and demonstrated right from basic circuit design to the final PCB Layout. 78 students from SVCE and other institutions participated in the event.

REC A Array Coaching is presenting SWAETA LEE and 78 more 10:54 AM You

QUESTIONS-1

1. What is value of 1 inch = ? mil
2. What is the general saturate used in PCB?
3. What is the saturate used in flexible PCBs?
4. What is the layer which protects the bottom copper part of PCB?
5. What is the white ink on top of solder mask called as?

Double Layer PCB

Top Layer

Bottom Layer


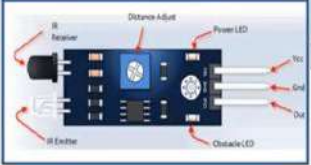
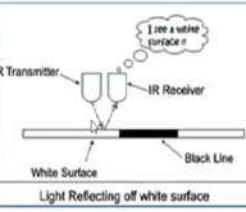
ARJUN SRINATH J EE
Solder mask

SAI SANTHOSH ECE
solder mask

UGENDRAN R EC
Solder mask

REC Sakthi Ganesh is presenting

COMPONENTS USED

IR Transmitter

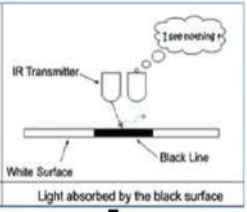
IR Receiver

White Surface

Black Line

Light Reflecting off white surface

I see a white surface if



IR Transmitter

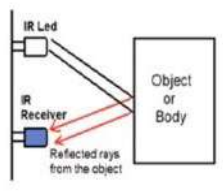
IR Receiver

White Surface

Black Line

Light absorbed by the black surface

I see nothing if

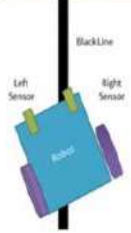


IR Led

IR Receiver

Object or Body

Reflected rays from the object



Left Sensor

Right Sensor

Used in obstacle detection, path following robots

48

Meeting details

People (91) Chat

component place

MCLEAAN NITHIN L EE 2:32 PM
ATMEGA328P_PDIP

UGENDRAN R EC 2:33 PM
Digital pins

MCLEAAN NITHIN L EE 2:33 PM
usb to ttl

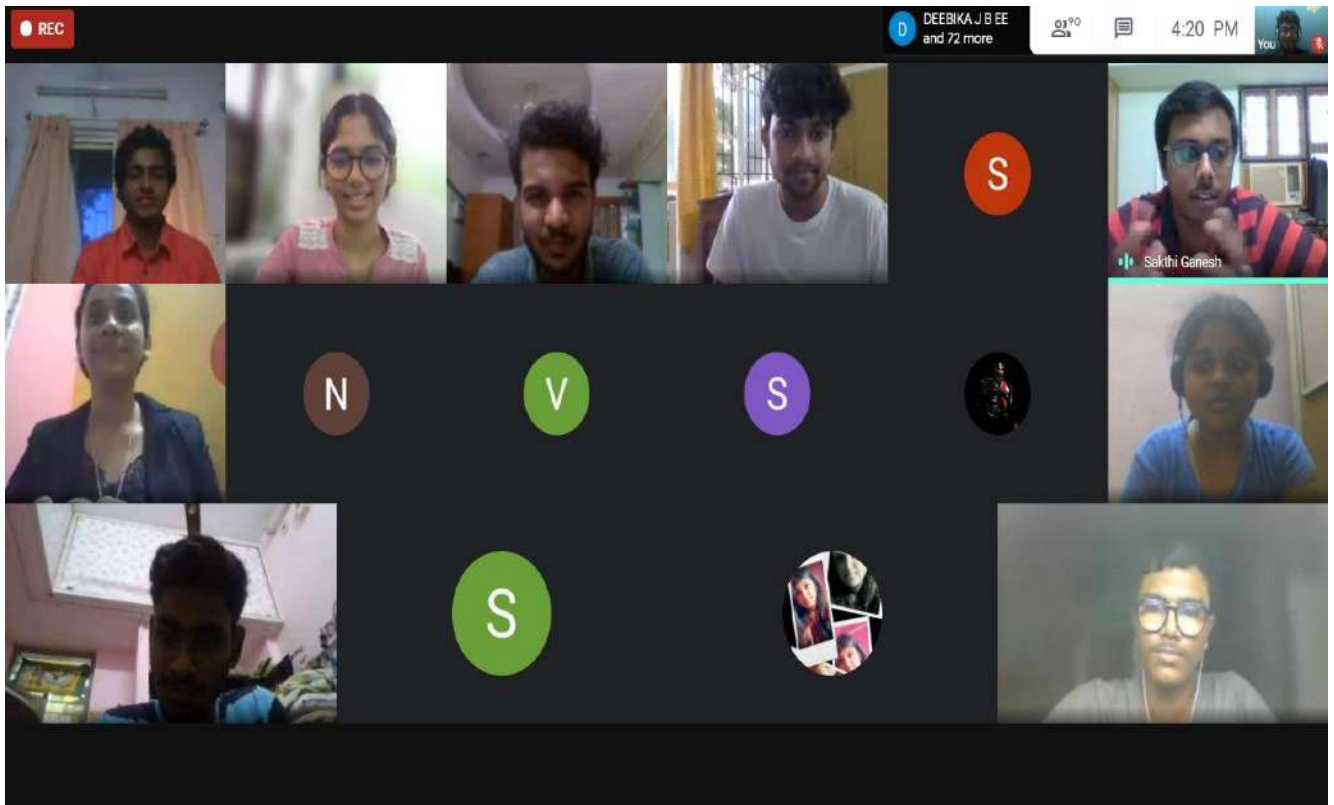
KAMALESH P EE 2:35 PM
Bro using top layer does it affect charges in electrical components?

Or using top layer gives excess stress to electrical components like emission of heat so circuit components get heated.

KAMALESH P EE 2:36 PM
Ok bro

Send a message to everyone

You Adhi Jyothiraditya R Deepika elang... Sakthi Ganesh SEENIVASAN ... SANJAY EEE



Participation by the faculty in FDPS

- Ms.M.Maadhuri attended 6 days online Faculty Development Programme on "Recent Challenges in Industrial Automation & Embedded System" at Sri Ramakrishna Institute of Technology from 6th – 11th July 2020.
- Dr.S.G.Bharathidasan Associate Professor and Mr.S.Thamizmani Assistant Professor attended two weeks Faculty Development Programme on "Advanced Optimization Techniques and hands-on with MATLAB/SCILAB" at Electronics and ICT academy in online mode from 13th to 24th July 2020
- Mr.C.Venkatesan and Ms.M.Maadhuri Assistant Professor attended 5 days online Faculty Development Programme on "Trends in Electric Vehicles" at St.Joseph's Institute of Technology from 20th –24th July 2020.
- Ms.M.Sasikala and Ms.K.Suganthi Assistant Professor attended three days online Faculty Development Programme on "Recent Trends And Research Directions In Electrical Engineering" at Sree Buddha College Of Engineering, PATTOOR from 21st – 23rd July 2020.
- Ms.M.Sasikala,Mr.S.Sudharsanam,Mr.M.Ranjithkumar,Ms.S.Anitha and Ms.S.Sinthamani Assistant Professor attended nine days online Faculty Development Programme on "Nanscience and Technology" at IIITDM Kancheepuram and Satyabama Institute of Science and Technology from 29th June to 7th July 2020.
- Ms.S.Sinthamani Assistant Professor attended five days online Faculty Development Programme on "Control System" at SRM Institute of science and Technology, Ramapuram from 21st –25th July 2020.
- Mr.S.Thamizmani attended 5 days online Faculty Development Programme on

"Emerging Techniques in smart Power systems" at NIT Warangal from 24th-28th August 2020.

- Ms.S.Arulmozhi Assistant Professor attended ATAL sponsored Faculty Development Program on “Energy Storage” in online mode at Indian Institute of Information Technology, Design & Manufacturing, Kancheepuram from 27th-31st October 2020.
- Ms.M.Sasikala, Ms.N.Shanmugavadivu, Mr.T.Annamalai & Mr.S.Sudharsanam Assistant Professor attended AICTE Sponsored Two Weeks Online Faculty Development Programme (FDP) on "Advances in Power Electronics for Smart Grid, Renewable Energy Systems and Electric Vehicle Technology" at Agni College of Technology, Chennai from 26th October to 7th November 2020.
- Ms.M.Rajalakshmi Assistant Professor attended 5 days online Faculty Development Programme on “Electric Vehicle” at National Institute of Technology Mizoram from 10th – 14th November 2020.
- Dr.C.Gopinath Associate Professor attended six days online FDP on “Cyber Security” at Sri Venkateswara College of Engineering from 30th November 2020 to 4th December 2020.
- Mr.S.Thamizmani attended 5 days AICTE Training And Learning (ATAL) Academy Online FDP on "Electric Vehicles" at University College of Engineering Villupuram from 30th November 2020 to 4th December 2020.
- Mr.C.Kamal Assistant Professor attended 7 days online Faculty Development Programme on “Recent Advancements in Electric Vehicle Technologies" at SVCE from 8th – 12th December 2020.
- Ms.S.Arulmozhi and Ms.K.Suganthi Assistant Professor attended AICTE Sponsored Two Weeks Online Faculty Development Programme (FDP) on

"Advances in Power Electronics for Smart Grid, Renewable Energy Systems and Electric Vehicle Technology" at Agni College of Technology, Chennai from 7th – 19th December 2020.

- Mr.S.Thamizmani attended 7 days online Faculty Development Programme on “Research Opportunities, Challenges in Power Electronics for EV and Its Impact on Smart Grid” at NIT Trichy from 14th – 20th December 2020.
- Mr.S.S.Sethuraman Assistant Professor attended six days online Faculty Development Programme on “Design and Development of Control Strategies on Electrical Power Applications – An Industrial Perspective” at PVP Institute of Technology, Vijayawada from 7th- 12th December 2020.

Participation by the faculty in Workshops

- Dr.S.G.Bharathidasan Associate Professor, Ms.M.Sasikala, Ms.N.Shanmugavadivu, Ms.D. Amudhavalli and Dr.M.Sankar Assistant Professor attended one day online workshop on "Programming for Everybody-Getting Started with Python" at SVCE on 11th July 2020.
- Ms.M.Sasikala and Ms.N.Shanmugavadivu Assistant Professor attended three days National Level short term training programme on "Programming Enhanced Mid Range PIC Microcontrollers using MPLABX IDE and Digital Proteus" at SSN College of Engineering from 20th – 22nd July 2020.
- Ms.S.Arulmozhi, Ms.M.Sasikala, Ms.N.Shanmugavadivu, Mr.S.Sudh arsanam and Mr.M.Ranjith Kumar Assistant Professor attended three days online International workshop on Energy Technology and Sensor Systems (TENSYS 2020) organised by IIITDM Kancheepuram and University Malaya Malaysia in association with FICCI, India and MTes, Malaysia from 28th – 30th July 2020.
- Ms.M.Maadhuri Assistant Professor attended six days online STTP on "Novel Design and Control Strategies and Innovative Technical Practices in LV/HV

Modern Switchgear" at Saranathan College of Engineering from 3rd to 8th August 2020.

- Ms.M.Maadhuri Assistant Professor attended Five days online workshop on “Digital Teaching Techniques” organised by ICT Academy from 24th – 29th August 2020.
- Dr.KR.Santha Vice Principal ,Professor & HOD attended four days online workshop on MATLAB-EXPO from 15th-18th September 2020.
- Dr.T.Annamalai Assisant Professor attended six days online AICTE sponsored online STTP on Guidance and Counselling at St. Joseph's College of Engineering & Technology from 12th – 17th October 2020.
- Ms.S.Anitha Assistant Professor attended six days online AICTE Sponsored STTP on Emerging Trends In Micro/Nano Sensors And Actuators For Industrial Application at Sri Manakula Vinayagar Engineering College (An Autonomous Institution), Puducherry from 26th – 31st October 2020.
- Dr.KR.Santha Vice Principal ,Professor & HOD and Dr.Sudhakar K Bharatan Professor attended one day online NIRF workshop for leaders organised by ICT Academy on 5th November 2020.
- Ms.M.Sasikala,Mr.S.Sudharsanam,Ms.S.Anitha and Ms.S.Sinthamani Assistant Professor attended seven days online AICTE-QIP sponsored Short term course on Optoelectronics and Nanophotonics at IIT Guwahati from from 6th – 12th November 2020.
- Mr.S.Sudharsanam Assistant Professor attended AICTE sponsored short term training programme on "Challenges and Oppurtunities in Implementing IoT and Machine Learning for Smart Grid Distribution System" at Kongunadu College of Engineering and Technology from 23rd to 28th November 2020.

- Ms.S.Arulmozhi and Ms.N.Shanmugavadivu Assistant Professor attended six days online Short Term Training Program on “Battery Management and Control Techniques in Electric Vehicles” from 7th
 - 12th December 2020.
- Ms.K.S.Pavithra,Ms.S.Sinthamani,Dr.M.Sankar and Ms.M.Maadhuri Assistant Professor attended six days AICTE Sponsored STTP on Power Utilities and Artificial Intelligence - Leveraging the Data at CMR Institute of Technology, Bengaluru from 7th – 12th December 2020.
- Mr.G.Vinothkumar Assistant Professor attended four days Industrial Workshop on Electric Machine-Driven Systems Design organised by Altair Systems and SRM University from 15th – 18th December 2020.
- Mr.S.Sudharsanam Assistant Professor attended two weeks online AICTE-QIP sponsored Short term course on Optoelectronics and Nanophotonics at IIT Guwahati from 11th – 24th December 2020.

Faculty Participation in National and International Conferences

- Ms.M.Maadhuri Assistant Professor published a paper titled “Multiport DC – DC Converter For Fast Charging Of Electric Vehicle From PV Farms” in the AICTE Sponsored Fifth International Conference on Innovative & Emerging Trends in Engineering & Technology organized by Panimalar Institute of Technology,Chennai, 26th & 27th June, 2020.
- Dr.R.Karthikeyan Associate Professor presented a paper titled “Introduction of Soft Magnetic Composites as Alternative for the Switched Reluctance Motor torque ripple and vibration mitigation” in the AICTE sponsored International Conference on ‘Smart Materials & Industry 4.0’SMETI2020 at Sri Venkateswara College of Engineering, 16th & 17th October 2020.

- Ms.K S Pavithra Assistant Professor, Dr.KR.Santha Vice Principal,Professor and HOD and Ms.M.Maadhuri Assistant Professor presented a paper titled “Ecg Analysis Algorithms: An Overview And Comparative Study” in the AICTE sponsored International Conference on ‘Smart Materials & Industry 4.0’SMETI2020 at Sri Venkateswara College of Engineering, 16th & 17th October 2020.
- Ms.S.Arulmozhi Assistant Professor and Dr.KR. Santha Vice Principal,Professor and HOD presented a paper titled “Speed and motion control of servo motor for steering industry” in the AICTE sponsored International Conference on ‘Smart Materials & Industry 4.0’SMETI2020 at Sri Venkateswara College of Engineering, 16th & 17th October 2020.
- Ms.S.Arulmozhi Assistant Professor and Dr.KR. Santha Vice Principal,Professor and HOD presented a paper titled “Integrated Single Input Dual Output Dc-Dc Converter For Electric Vehicle Applications” in the AICTE sponsored International Conference on ‘Smart Materials & Industry 4.0’SMETI2020 at Sri Venkateswara College of Engineering, 16th & 17th October 2020.
- Ms.S.Sinthamani Assistant Professor, Dr.Sudhakar K Bharatan Professor, Mr.M.Ranjith Kumar Assistant Professor presented a paper titled “Deposition and Optimization of CuO Absorption Layer Using RF Sputtering For PV Application” in the AICTE sponsored International Conference on ‘Smart Materials & Industry 4.0’SMETI2020 at Sri Venkateswara College of Engineering, 16th & 17th October 2020.
- Dr.N.K.Mohanty Professor and Ms.D.Amudhavalli Assistant Professor presented a paper titled “A Fuzzy Logic Controller Based Modified Sepic Converter as a Maximum Power Point Tracker with Improved Gain in Real Time Applications” in the AICTE sponsored International Conference on ‘Smart Materials & Industry 4.0’SMETI2020 at Sri Venkateswara College of Engineering, 16th & 17th October 2020.
- Sudharsanam S, Assistant Professor, Sasikala M,Assistant Professor and Sudhakar K

Bharatan, Professor presented a paper titled, “Modeling of MoS₂ based Thin Film Transistor using COMSOL Multiphysics” in the AICTE sponsored International Conference on ‘Smart Materials & Industry 4.0’ SMETI2020 at Sri Venkateswara College of Engineering, 16th & 17th October 2020.

- Athappan.M Assistant Professor and Dr.KR.Santha, Vice Principal, Professor and HOD presented a paper titled, “High Speed and Low power Carry Select Adder using optimized Carry Select Unit” in the AICTE sponsored International Conference on ‘Smart Materials & Industry 4.0’ SMETI2020 at Sri Venkateswara College of Engineering, 16,17 October 2020. 16th & 17th October 2020.

- Anitha S, Assistant Professor and Sudhakar K Bharatan, Professor presented a paper titled, “Fabrication of ZnO based Photodetector using RF Magnetron Sputtering” in AICTE sponsored International Conference on ‘Smart Materials & Industry 4.0’ SMETI2020 at Sri Venkateswara College of Engineering, 16th & 17th October 2020.

