



SCMS SCHOOL OF ENGINEERING AND TECHNOLOGY, KARUKUTTY

ACADEMIC YEAR MAY 2020-JUNE 2021

3.2.2 Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

| Sl No: | Name of the workshop/ seminar/ conference | Number of Participants | Date From - To | Department | Activity Held |
|--------|--|------------------------|----------------|------------|------------------|
| 1 | Latest research trends on bonded post-tensioned slabs | 25 | 02-05-2020 | CE | RESEARCH SEMINAR |
| 2 | Latest research on blended cements | 55 | 12-05-2020 | CE | RESEARCH SEMINAR |
| 3 | Demolition of living structure - an overview of new research era | 90 | 16-06-2020 | CE | RESEARCH SEMINAR |
| 4 | How to be a Geosynthetic Entrepreneur? | 60 | 30-08-2020 | CE | ENTREPRENEURSHIP |
| 5 | Research ideas on Reinforced soil retaining walls | 60 | 30-08-2020 | CE | RESEARCH SEMINAR |
| 6 | Result Methodology in a nutshell | 30 | 12-10-2020 | CE | RESEARCH SEMINAR |
| 7 | Importance of Intellectual Property Rights (IPR) | 25 | 15-02-2021 | CE | IPR |
| 8 | Webinar on Copyright and Plagiarism | 464 | 08-07-2020 | ME | IPR |
| 9 | Research glance on Bio-inspired Technology | 21 | 23-04-2021 | ME | RESEARCH SEMINAR |
| 10 | WEBINAR ON A STEP TOWARDS ENTREPRENEURSHIP | 74 | 2/6/2020 | ME | ENTREPRENEURSHIP |
| 11 | Webinar on Intellectual property rights for Engineers | 86 | 26-06-2020 | ME | IPR |

| | | | | | |
|--|---|----|------------|-----|------------------|
| 12 | Research ideas Advanced Electrical Machines for Electric Vehicle (EV) Applications"- Sreeju S Nair | 60 | 12.5.2020 | EEE | RESEARCH SEMINAR |
| 13 | Research skills-"Electric grid Overview" handled by Er. Gopakumar Gopinathan Operations Engineer- California ISO USA | 45 | 18.5.2020 | EEE | RESEARCH SEMINAR |
| 14 | research skills- "GLIMSES OF INDIAN'S SPACE MISSION" handled by Dr. Murukeshan, Group Director, Quality Assurance and reliability, Mechanical Integration Group, VSSC, Thiruvananthapuram | 50 | 30-05-2020 | EEE | RESEARCH SEMINAR |
| 15 | Workshop on IPR : "Cyber awareness to protect ourself" | 15 | 28-04-2021 | BSH | IPR |
| Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year 2020-2021 | | | | | 15 |



M. A. J.
PRINCIPAL
SCMS SCHOOL OF ENGINEERING & TECHNOLOGY
VIDYANAGAR, PALLISSERY, KARUKUTTY
ERNAKULAM, KERALA-683 576

SCMS SCHOOL OF ENGINEERING AND TECHNOLOGY

VIDYA NAGAR, KARUKUTTY, ERNAKULAM - 683 582

DEPARTMENT OF MECHANICAL ENGINEERING

ASSOCIATION OF MECHANICAL ENGINEERS FOR RESEARCH AND INNOVATION (ARiME)

WEBINAR ON INTELLECTUAL PROPERTY RIGHTS FOR ENGINEERS

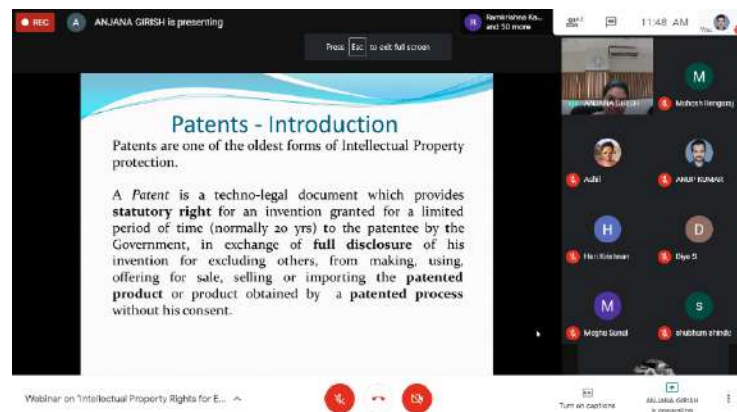
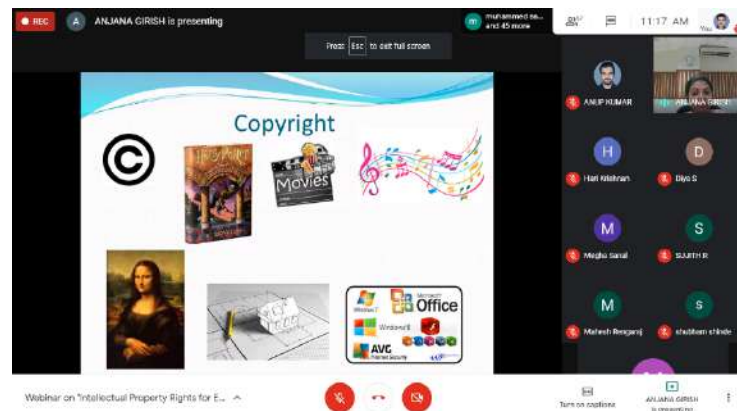
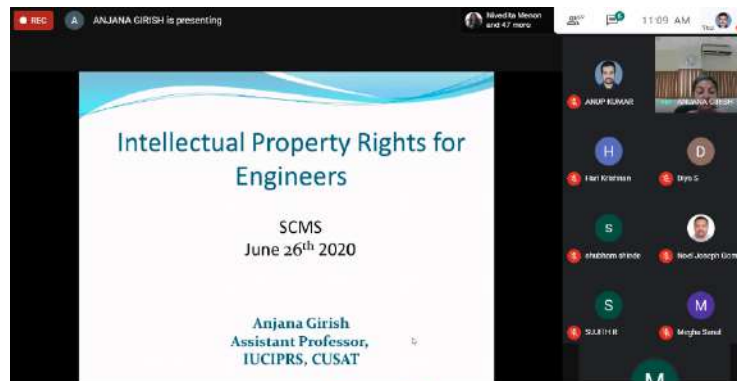
Most industries across our economy rely on the adequate enforcement of their patents, trademarks, and copyrights, while customers use Intellectual Property Rights (IPR) to ensure they are purchasing safe, reliable and guaranteed products. Obtaining such protective rights is critical as it prevents replication by potential competitors - a serious threat in a web-based environment or the mobile technology sector. Considering and focusing the need to understand the different IPR, the Department of Mechanical Engineering organized a webinar on "Intellectual Property Rights for Engineers" ' on 26th June 2020, open to students and faculties of all the departments of SSET. The webinar addressed the areas of IPR by delivering a basic overview of IPR intelligible to everyone in a layman language.

The webinar speaker was Ms. Anjana Girish, Assistant Professor, Inter University Centre for Intellectual Property Rights, CUSAT. Out of the 86 registered participants, more than 70 including students and faculties participated in the webinar. The webinar also witnessed 7 external participants.

The webinar was inaugurated by the Head of the Department, Mechanical Engineering by introducing the resource person. During the session she briefed on copyright and trademark with substantiating examples that highlighted subtle differences between the terms in legal jargon; the importance of Geographical Indication (GI) for the localized produce with examples of Darjeeling Tea, Pokkali rice and Arnamura Kannadi, etc. The importance of IPR in

The poster is a vertical rectangular graphic with a blue and white color scheme. At the top left is the SCMS logo, a gear with a book inside, next to the text "Department of Mechanical Engineering" and "SCMS School of Engineering and Technology Vidya Nagar, Karukutty, Ernakulam - 683575". Below this, the text "Webinar INTELLECTUAL PROPERTY RIGHTS FOR ENGINEERS" is displayed in white on a blue background. On the right side, there is a circular portrait of Ms. Anjana Girish. Below the portrait, her name "ANJANA GIRISH" is written in bold, followed by her title "Assistant Professor" and affiliation "Inter University Centre for IPR Studies Cochin University of Science and Technology Kochi". The date and time "JUNE 26 11.00 AM - 12.00 PM" are shown next to a calendar icon. Below that, it says "Join on GOOGLE MEET" with a Google Meet icon. A registration link is provided: "Register with: <https://forms.gle/mgQoDWQq8BRDRAJr7>". Faculty coordinators are listed at the bottom: "Dr. Mahesh Rengaraj - 9447046600" and "Mr. Anup Kumar T M - 8921296757". At the very bottom, there are logos for ASME, a red circular logo, NBA (National Board of Accreditation), ARiME, and BreakChain.

industrial design related to 2D and 3D designs, the need and ways to protect it by industrial houses by means legal patents were explained. The pre-requisites for protecting inventions by the industrial houses, the criteria required for patentability and their exclusion, relation between the patent and entrepreneurship were also added for interpretation in engineering sense. The talk concluded with the Do's and Dont's of patents and patent myths. A question and answer session was entertained with participants who cleared their doubts regarding the patents. The webinar was concluded by vote of thanks by Dr. Mahesh Rengaraj R, Professor in Department of Mechanical Engineering.



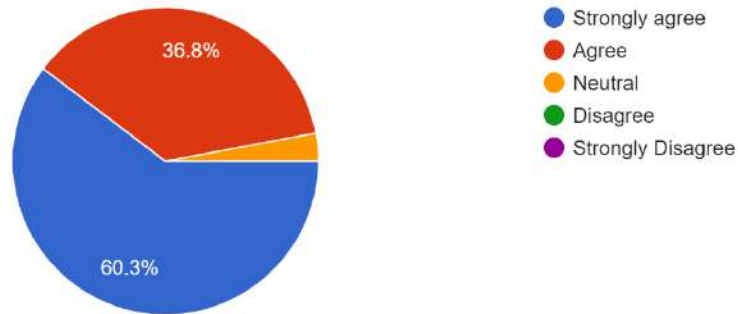
Attendance and Feedback received from Google Form (68 responses) –

| Full name | Name of the institute | Department | Designation |
|-----------------------------|---|------------------------|---------------------|
| Varun Pradeep Kumar | SCMS School of Engineering and Technology | Mechanical | Student |
| Sam Joshy | | Mechanical Engineering | Faculty |
| Muhammad Saheel P A | | Civil Engineering | Student |
| Noel Joseph Gomez | | Mechanical Engineering | Faculty |
| Amal Revi K | | Mechanical Engineering | Student |
| R Ashwin Krishna | | Mechanical | Student |
| Albi George | | Mechanical | Student |
| Muhammed Askar Ali Urothodi | | Mechanical Engineering | Student |
| Kavya K Jose | | Civil Engineering | Student |
| Aravind P V | | Automobile Engineering | Assistant Professor |
| Akbar Khan A J | | Mechanical | Student |
| Jeswin K Thomas | | Mechanical | Student |
| Jithin Thomas | | Mechanical | Student |
| George Sijin | | Civil Engineering | Student |
| Ashil Austin | | Civil Engineering | Student |
| Aswathy Sairam | | Mechanical Engineering | Student |
| Dixon Paul | | Mechanical Engineering | Student |
| Athul M | | Mechanical | Student |
| Aravind S | | Mechanical | Student |
| Ramkrishna V Kamath | | Mechanical Engineering | Student |
| Sanjaykrishna K Menon | | Mechanical Engineering | Student |
| Devadarshan P | | Civil Engineering | Student |
| Bryne Tom Simon | | Mechanical | Student |
| Jishnu Murali | | Mechanical Engineering | Student |
| Vishnu K B | | Mechanical | Student |
| Avinesh V | | Mechanical | Student |
| Akhil Saji | | Mechanical | Student |
| Jose Sheril D'cotha | | Mechanical Engineering | Asst. Professor |
| Bonny Thomas K | | Mechanical | Student |
| Aswanth R | | Mechanical Engineering | Student |
| Muhammed Samin | | Mechanical Engineering | Student |
| Richu Shaju | | Mechanical | Student |
| Anu Shon V C | | Civil Engineering | Student |
| Alen Benny | Mechanical | Student | |
| Manoj Jose Kalathil | Mechanical | Assistant Professor | |
| Vipin Raj P.G. | Automobile Engineering | Faculty | |
| Albin Chacko | Mechanical Engineering | Student | |
| Arjun Pb | Mechanical Engineering | Student | |

| | | | |
|-------------------------------|---|---|---------------------|
| Bonny Thomas K | SCMS School of Engineering and Technology | Mechanical | Student |
| Bonny Thomas K | | Mechanical | Student |
| Arjun Krishna K | | Mechanical Engineering | Student |
| Fathima A | | Civil Engineering | Student |
| Anjaly Gopan | | Civil Engineering | Student |
| Arun.M.S | | Mechanical | Student |
| P. Sabari Vishnu | | Mechanical | Student |
| Aishwarya Nandakumaravarma | | Electronics And Communication | Student |
| Abhijith P Sreekumar | | Civil Engineering | Student |
| Kurian Paul Puthussery | | Mechanical Engineering | Student |
| Arun P | | Mechanical | Student |
| Kavya A Nair | | Civil | Student |
| Mahima Babu Kc | | Civil Engineering | Student |
| Joanne Juliet George | | Civil | Student |
| Shiva Suresh | | Mechanical | Student |
| Shabeeb Kalluparambil Nowshad | | Mechanical Engineering | Student |
| Ananthakrishnan | | Mechanical | Student |
| Zaheer Rahim E | | Mechanical Engineering | Student |
| Abdul Basith Pm | | Mechanical Engineering | Student |
| Alkkeshkrishna T B | | Mechanical | Student |
| Diya S | Civil Engineering | Student | |
| Gopikrishna Premchand | S2 Mechanical Engineering | Student | |
| Bonny Thomas K | B BUSINESS INTERNATIONAL | Business Development | Business Developer |
| Nivedita Menon | Government College of Engineering & Research, Awasari | Mechanical Engineering | Student |
| Shubham Madhukar Shinde | | Mechanical Engineering | Student |
| Kamble Samruddhi Raosaheb | | Mechanical Engineering | Student |
| Harikrishnan N. | Thejus Engineering College | Electronics And Communication Engineering | Faculty |
| Satheesh N Kaimal | | Electronics And Communication Engineering | Assistant Professor |
| Jisha Mary John | Toc-H Institute of Science and Technology | Mathematics | Assistant Professor |

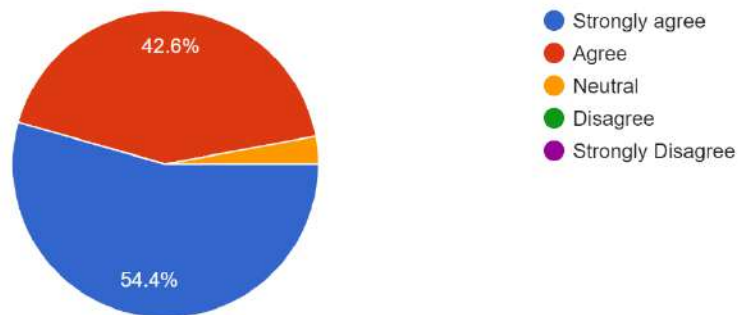
The program was well organised and structured.

68 responses



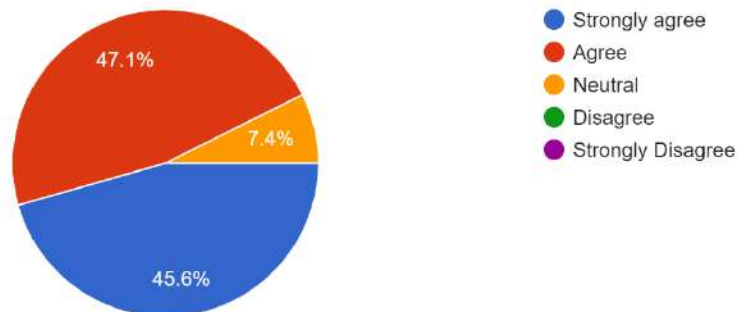
The resource person was knowledgeable, organised and effective in his presentation.

68 responses



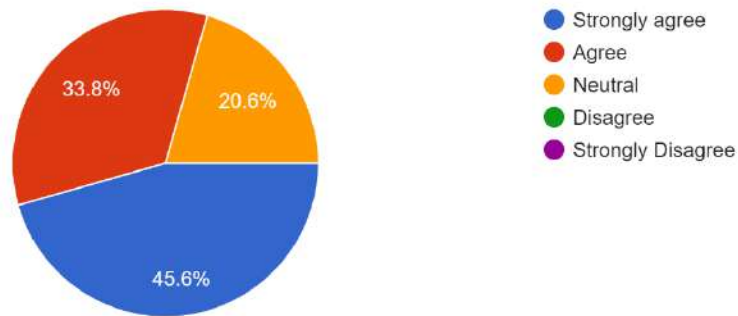
The resource person provided information useful for my career development.

68 responses



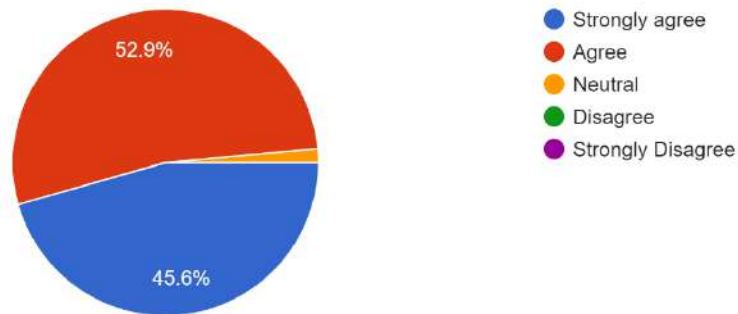
Participation and interaction of the students were encouraged during the session.

68 responses



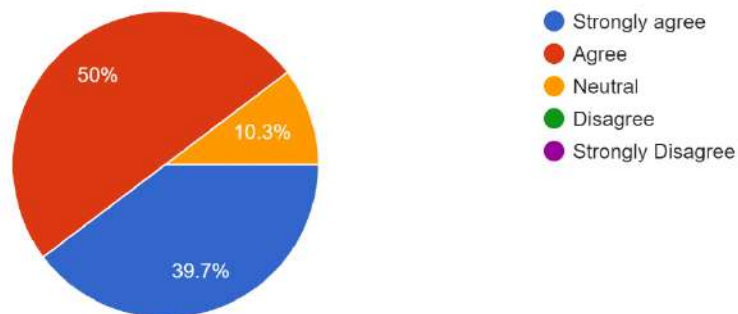
The webinar covered contents encouraging ethical principles and commitment to professional ethics and responsibilities .

68 responses



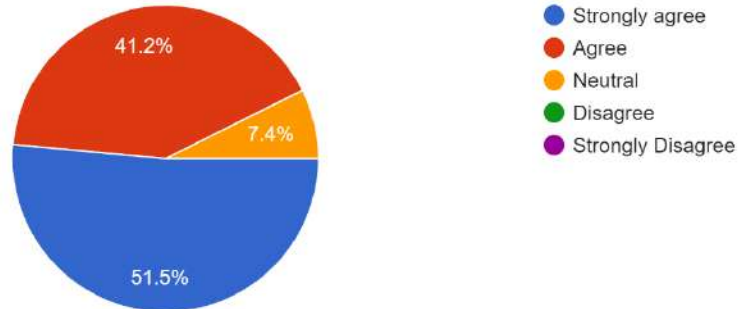
The resource person provided a platform to enhance the creativity level of students to innovate and manage new projects.

68 responses



The resource person provided the contextual knowledge to assess societal and legal issues, and the consequent responsibilities relevant to the professional engineering practice.

68 responses



Any other comments/suggestions/questions –

- A very good session, which provided extra knowledge beyond academics.
- Conduct more webinar like this thank you
- Informative
- The session is good and beneficial for future career.
- More powerpoint slides can be made
- Webinar on Plagiarism can be organized

HOD

Department of Mechanical Engineering

SCMS SCHOOL OF ENGINEERING AND TECHNOLOGY

VIDYA NAGAR, KARUKUTTY, ERNAKULAM - 683 582

DEPARTMENT OF MECHANICAL ENGINEERING

ASSOCIATION OF MECHANICAL ENGINEERS FOR RESEARCH AND INNOVATION (ARiME)

WEBINAR ON A STEP TOWARDS ENTREPRENEURSHIP

The future economy engineers should potentially create their own entrepreneurial path. It is important for them to see entrepreneurship or establishment of their own enterprise as an opportunity, to further develop their intellectual self-confidence and take engineering as an entrepreneurial challenge. Creating a new scalable venture is a challenging and complex task. The road to entrepreneurial success is long, winding and strewn with pitfalls, obstacles and blind turns. With this objective, the Department of Mechanical Engineering organized a live webinar on “**A Step Towards Entrepreneurship**” for the students of all departments on **02nd June 2020**. The **webinar sessioned by Mr. Sabin Mathew, Director, Imajey Consulting Engineering Pvt. Ltd.** had an overwhelming response with **74 participations**. 71 students and 3 faculties attended from SSET. Apart from a postgraduate from IIT Delhi, Mr. Sabin is the creator of one of the most subscribed YouTube Channel – Learn Engineering. As an entrepreneur, he has dedicatedly filled the gap between the industry and classroom teaching.

This webinar emphasized how a business with 100% success guarantee can be started and ultimately achieve one’s dream job. It also highlighted key elements such as the contents to be focused in preparing a resume while for applying a job and the various platforms available for the students to exhibit, promote, and share their works to outside world.

The webinar promoted motivational impetus in students thereby developing confidence in starting a business and encouraging entrepreneurial mindset of students. Mr. Sabin

WEBINAR

Sabin Mathew
Director, Imajey Consulting Engineering Pvt. Ltd.

Topic:
A step towards entrepreneursip

JUNE 2
11.00 AM - 12.00 PM

Join on **GOOGLE MEET**

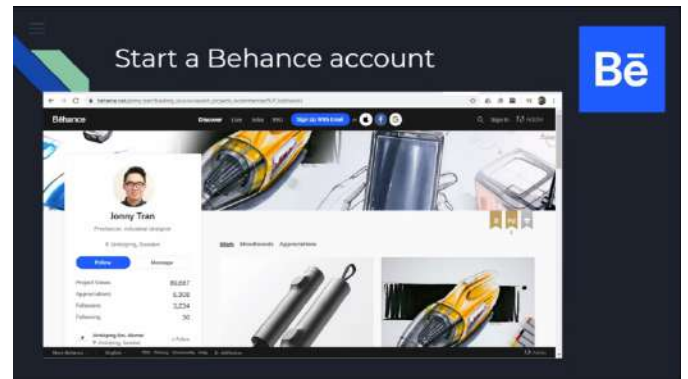
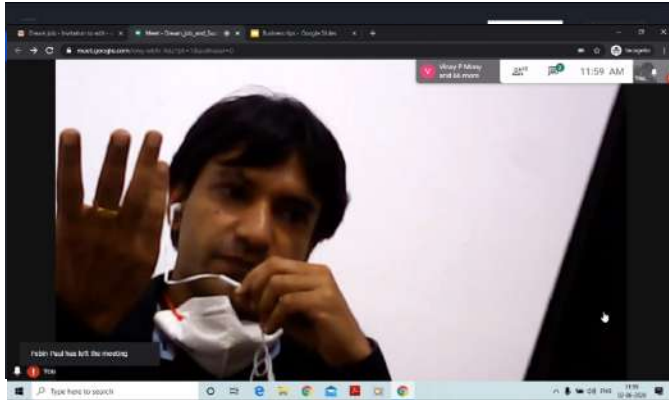
Register with <https://forms.gle/b2WcQRmyhkzmUy4x7>

Department of Mechanical Engineering
SCMS School of Engineering and Technology
Vidya Nagar, Karukutty, Ernakulam - 683578

ARiME Break the chain

added the webinar videos to his YouTube Channel, the website link is given below.

- <https://youtu.be/3pR-Y6rIvcg>
- https://youtu.be/DH_Ptd-VW80



Attendance and Feedback based on response from Google Form (68 responses) –

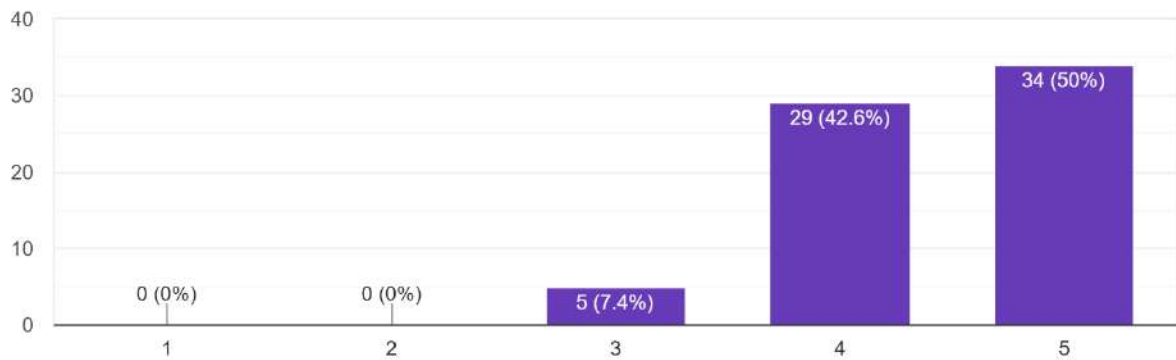
| Name of Student | Department | Semester |
|--------------------|---|----------|
| Akhila | Computer Science and Engineering | S2 |
| Aneena K S | | S2 |
| Gopika Sasikumar | | S2 |
| Arya Anil Kumar | | S2 |
| Anjana Sanjay | | S2 |
| Muhammed Sahil M S | Electrical And Electronics Engineering | S4 |
| Sagar P Gokul | Electronics And Communication Engineering | S2 |
| Rohith Sreenivasan | Electronics And Communication Engineering | S2 |
| Sayooj M.J | Electronics And Communication Engineering | S2 |
| Sashank | Mechanical Engineering | S2 |
| Athul P Prakasan | Mechanical Engineering | S4 |
| Amal Revi | | S6 |

| | |
|-------------------------|----|
| Alfin Martin | S4 |
| Febin A P | S4 |
| Nawjyoth Madhav | S2 |
| Zaheer Rahim E | S6 |
| Sreeram V Dev | S6 |
| Pramil Pk | S8 |
| Bharath Jairaj | S6 |
| Athul M | S6 |
| Nihal Abdul Rasheed | S2 |
| Aswin Surendran | S2 |
| Gopika Ganga Nair | S6 |
| Yadhuraj R | S4 |
| Pisharody Abhay Haridas | S2 |
| Alen Benny | S2 |
| Rahul .P | S6 |
| Althaf K A | S2 |
| Vishnu Anilkumar K | S2 |
| Adarsh Chandran | S4 |
| Rohan John Jose | S8 |
| Athul.M | S2 |
| Sanjay E | S2 |
| Richu Shaju | S2 |
| Shabeeb K Nowshad | S2 |
| P. Sabari Vishnu | S6 |
| Anandhu Ajay | S4 |
| Ivans Davis | S6 |
| Mohammed Fahim | S2 |
| Bharath J Menon | S4 |
| Deepak P Menon | S4 |
| Gary Davis | S4 |
| Aswin Harishkumar | S2 |
| Sanjaykrishna K Menon | S2 |
| Harisankar J Nair | S4 |
| Govind V Menon | S2 |
| Vishnu K B | S6 |
| Aghil A | S4 |
| R Ashwinkrishna | S2 |
| Alkkeshkrishna T B | S6 |
| Jerrin Jordan | S2 |
| Sreehari M | S2 |
| Joyal Johnson | S4 |
| Abhishek Damodar | S2 |
| Shiva Suresh | S2 |
| Abhinav Baby | S2 |
| Alphin Sebastian | S4 |

| | | |
|-----------------------|--|----|
| Jibin Joy | | S4 |
| Gopikrishna Premchand | | S2 |
| Bharath Mukesh | | S4 |
| Aswin Girish | | S2 |
| Muhammed Samin | | S2 |
| Jeswin K Thomas | | S6 |
| Kalidas. M | | S2 |
| Akbar Khan A J | | S6 |
| Surya Narayanan A S | | S2 |
| Jobin Varghese | | S8 |
| Aswin Harishkumar | | S2 |

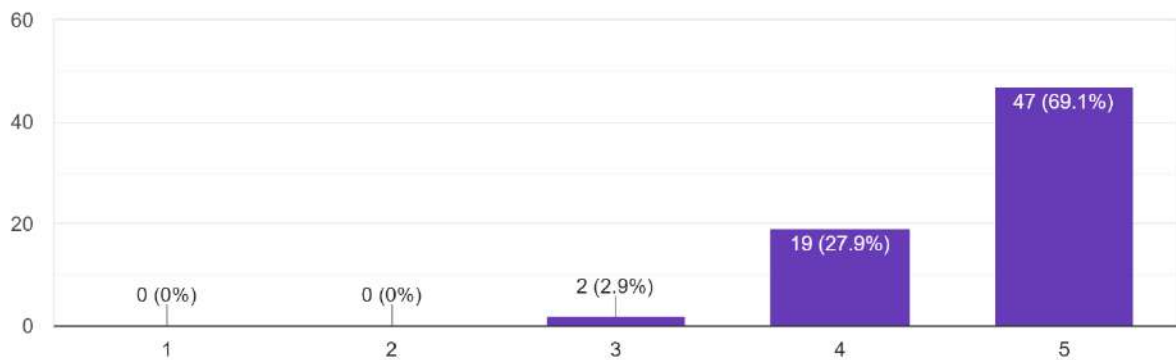
The event was well organised.

68 responses



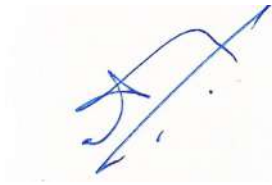
The content of the webinar was informative and useful.

68 responses



Any suggestions/comments -

- It was a very interesting section.
- Starting, there was some audio problem later it was solved.
- The session was effective
- It is very good class
- Very informative
- Extremely Helpful
- Nice n very interactive session
- It was very good informative session for freshers to start their own business
- Good subject
- It's good and they give us more confidence to us
- Dynamic class
- More presentation
- Everything was perfect, except some connectivity issues.
- Very informative session. Got to know a few new things and it was pretty wholesome.
- He himself was accepting the candidates for the webinar, it would have been much more smooth if someone else could volunteer such activities.



Joint secretary
ARiME



HOD
Department of Mechanical Engineering

BASIC SCIENCE AND HUMANITIES DEPARTMENT

Workshop on IPR

CYBER AWARENESS TO PROTECT OURSELF



MS SURYA K A

ASSISTANT PROFESSOR

**DEPARTMENT OF BASIC
SCIENCE AND HUMANITIES
SSET, KARUKUTTY**

28 APR 2022

02:45 PM-03:45 PM



Accredited by



SSET SCMS School of
Engineering and Technology

Campus: Vidya Nagar, Karukutty, Ernakulam - 683576

Website: www.scmsgroup.org/sset Tel: 0484 2882900/0484 2450330







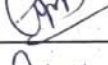








SSET SCMS School of Engineering and Technology

Campus: Vidya Nagar, Karukutty, Ernakulam- 683 576
Tel: 7034680074 ,7034680073 , +91 484 2882900

Department of Basic Science & Humanities

Name of the Program : KNOWLEDGE SHARING PROGRAM 9
Date & Time : 28 / 04 / 2022 2:45PM - 03:45 PM
Topic : Cyber awareness to protect ourself
Speaker : Ms Surya K A Convenor: Ms. Jinu M J
Mode of Presentation :Online (Google Meet)

Attendance Report

| SrNo | Name of Faculty | Designation | Signature |
|------|--------------------------|--------------------------|---|
| 1 | DR. MINI TOM | Professor |  |
| 2 | DR. SREELEKHA MENON | HOD, Associate Professor |  |
| 3 | Ms. SURYA K A | Asst.Professor |  |
| 4 | Ms. RESHMA .R. | Asst.Professor |  |
| 5 | Ms. NUJA M. UNNIKRISHNAN | Asst.Professor |  |
| 6 | Ms. PREEMA T S | Asst.Professor |  |
| 7 | Ms. JINU M J | Asst.Professor |  |
| 8 | Ms. JESNA K SEBASTIAN | Asst.Professor |  |
| 9 | Ms. ANJU NAIR | Asst.Professor |  |
| 10 | Ms. RESMI M | Asst.Professor |  |
| 11 | DR. GEETHU R | Asst.Professor |  |
| 12 | Ms. DIVYA M S | Asst.Professor |  |
| 13 | Ms. FEBINI M JOSEPH | Asst.Professor |  |
| 14 | Ms. AKHIL BABY | Asst.Professor |  |
| 15 | Ms. SIJI JOY | Lab Staff |  |

Approved by

HOD



BASIC SCIENCE AND HUMANITIES DEPARTMENT

Workshop on **IPR**

CYBER AWARENESS TO PROTECT OURSELF



MS SURYA K A

**ASSISTANT PROFESSOR
DEPARTMENT OF BASIC
SCIENCE AND HUMANITIES
SSET, KARUKUTTY**

**28 APR 2022
02:45 PM-03:45 PM**



— Accredited by —



NBA
NATIONAL BOARD
OF ACCREDITATION
CS, CE, ME



**SSET SCMS School of
Engineering and Technology**

Campus: Vidya Nagar, Karukutty, Ernakulam - 683576

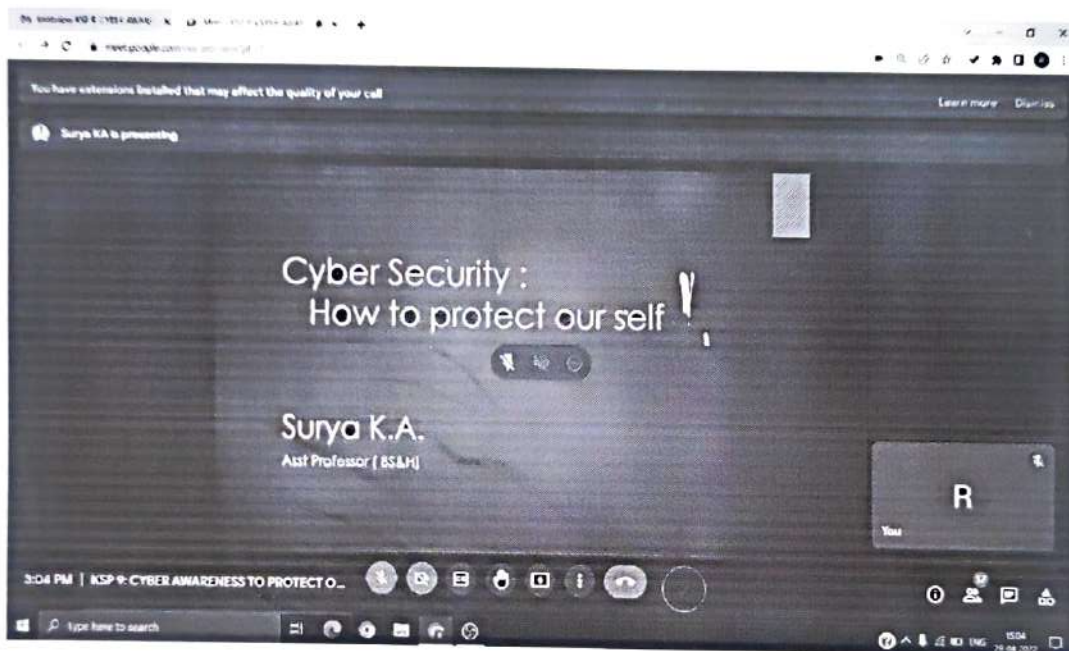
Website: www.scmgroup.org/sset Tel: 0484 2882900/0484 2450330

SCMS SCHOOL OF ENGINEERING AND TECHNOLOGY,
KARUKUTTYBASIC SCIENCE AND HUMANITIES DEPARTMENT

Report of

Workshop on **IPR**: “Cyber awareness to protect ourself”

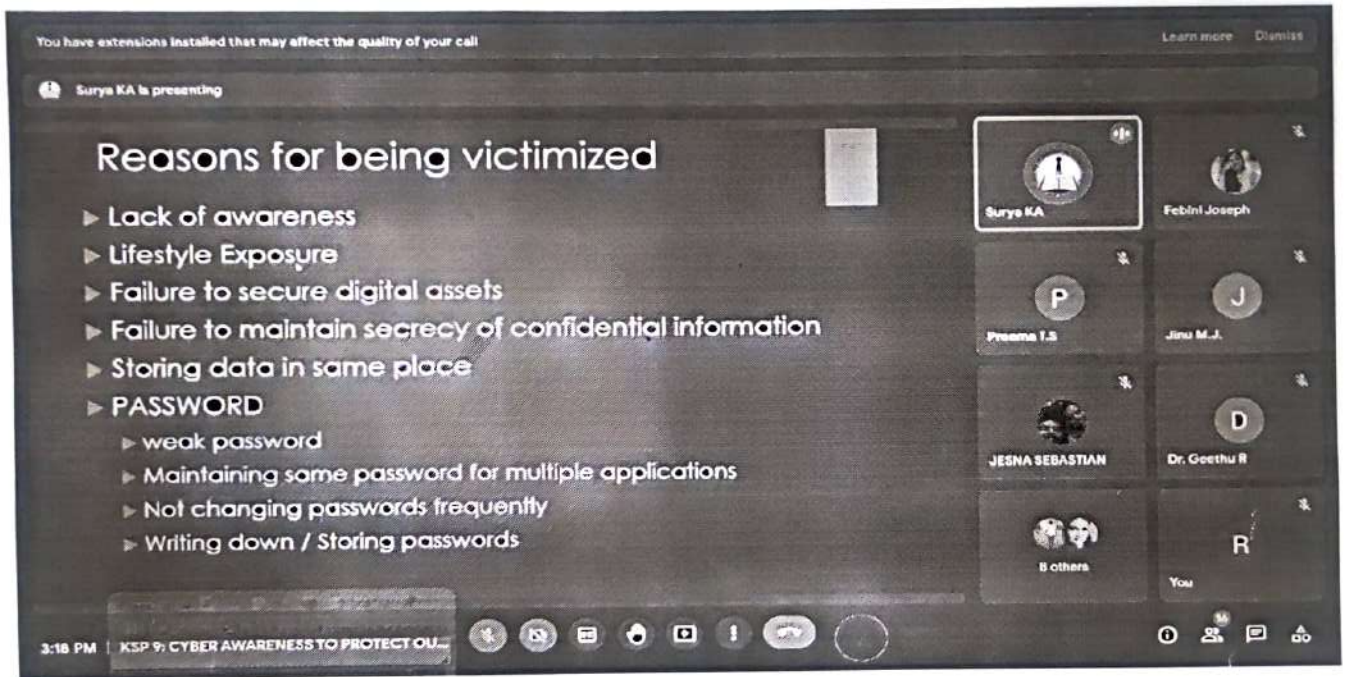
Basic Science and Humanities Department organised a workshop on **28th April 2022**, 9.45 am. The program started at 9:55 am in google meet with the welcome address by Ms Reshma R. The speaker of the program was **Ms Surya K A**, Assistant Professor, Basic Science and Humanities department. The session was about the importance of increasing threat in cyber security and the preventive measures to be taken against it.



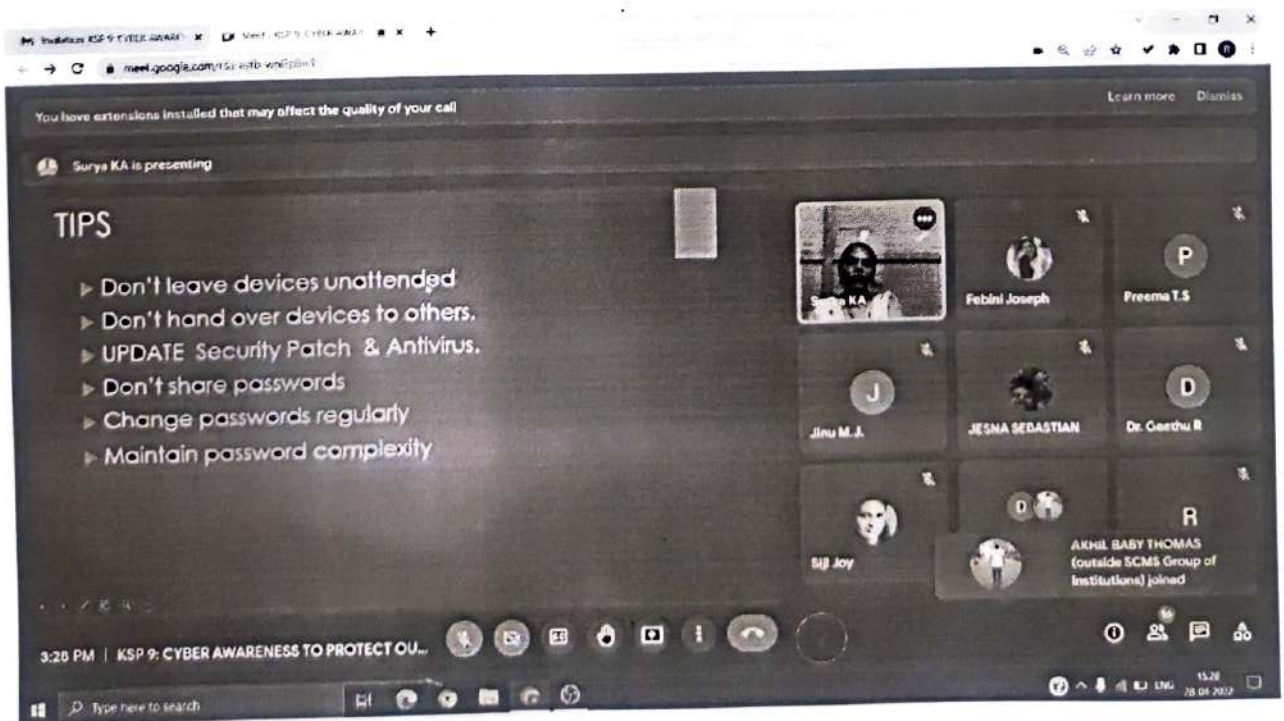
The talk started with a brief explanation from her experience on online financial theft. Then she started about different types of online scams such as spamming, phishing etc.



In this session she also mentioned about the various reasons for being victimised in such crimes and also gave the preventive measures to be adopted while such an incident occurs.



The session ended with some effective tips to be followed when being victimised and complete awareness about cyber space and its merits and demerits. The session was interactive, thought provoking, interesting and clear. The speaker was able to convey an insight about the increasing thefts that is happening around us. There was active participation from all the listeners.





Vote of thanks proposed by the coordinator Ms Jinu M J, Assistant Professor, Basic Science and Humanities Department

Thank You
Dr Sreelekha Menon
Assosiate Professor & HoD
Dept. of Basic Science and Humanities, SSET, Karukutty

[Handwritten signature]
28/04/2022

[Handwritten signature]
Ms. Jinu M. J
coordinators.


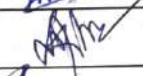

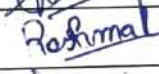
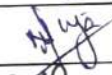


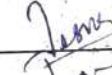
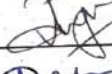
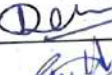



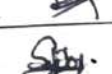

SSET SCMS School of Engineering and Technology

Campus: Vidya Nagar, Karukutty, Ernakulam- 683 576
Tel: 7034680074 ,7034680073 , +91 484 2882900

Department of Basic Science & Humanities

Name of the Program : KNOWLEDGE SHARING PROGRAM 9
Date & Time : 28 / 04 / 2022 2:45PM - 03:45 PM
Topic : Cyber awareness to protect ourself
Speaker : Ms Surya K A Convenor: Ms. Jinu MJ
Mode of Presentation :Online (Google Meet)

Attendance Report

| SrNo | Name of Faculty | Designation | Signature |
|------|--------------------------|--------------------------|---|
| 1 | DR. MINI TOM | Professor |  |
| 2 | DR. SREELEKHA MENON | HOD, Associate Professor |  |
| 3 | Ms. SURYA K A | Asst.Professor |  |
| 4 | Ms. RESHMA .R. | Asst.Professor |  |
| 5 | Ms. NUJA M. UNNIKRISHNAN | Asst.Professor |  |
| 6 | Ms. PREEMA T S | Asst.Professor |  |
| 7 | Ms. JINU M J | Asst.Professor |  |
| 8 | Ms. JESNA K SEBASTIAN | Asst.Professor |  |
| 9 | Ms. ANJU NAIR | Asst.Professor |  |
| 10 | Ms. RESMI M | Asst.Professor |  |
| 11 | DR. GEETHU R | Asst.Professor |  |
| 12 | Ms. DIVYA M S | Asst.Professor |  |
| 13 | Ms. FEBINI M JOSEPH | Asst.Professor |  |
| 14 | Ms. AKHIL BABY | Asst.Professor |  |
| 15 | Ms. SIJI JOY | Lab Staff |  |

Approved by

HOD



Department of Electrical and Electronics Engineering



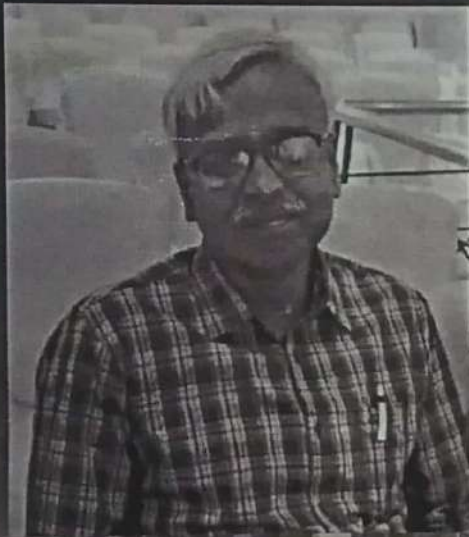
SCMS School Of Engineering and Technology

Vidya Nagar, Palissery, Karukutty,
Emakulam-683576, Kerala

Research skills

ONLINE TALK

"Glimpses of India's space
missions"



Dr. Murugesan V

Group Director,

Quality Assurance and Reliability

Mechanical Integration Group,

Vikram Sarabhai Space Centre

Thiruvananthapuram.

30:05:2020

11:00 AM



Department of Electrical and Electronics Engineering



SCMS School Of Engineering and Technology

*Vidya Nagar, Palissery, Karukutty,
Ernakulam-683576, Kerala*

Research Skills

ONLINE TALK

"Glimpses of India's space
missions"



Dr. Murugesan V

Group Director,

Quality Assurance and Reliability -
Mechanical Integration Group,
Vikram Sarabhai Space Centre
Thiruvananthapuram.

30:05:2020

11:00 AM



SCMS School of Engineering and Technology
Department of Electrical & electronics Engineering

REPORT ON GLIMSES OF INDIAN'S SPACE MISSION

Date: 30 May, 2020

A webinar was organized by the Department of Electrical and Electronics Engineering, SSET on the topic "Glimses of Indian's Space Mission". This session was handled by Dr. Murukeshan, Group Director, Quality Assurance and reliability, Mechanical Integration Group, VSSC, Thiruvananthapuram on 30th May 2020. The online session began at 11am and was held through Google Meet attended by around 50 participants.

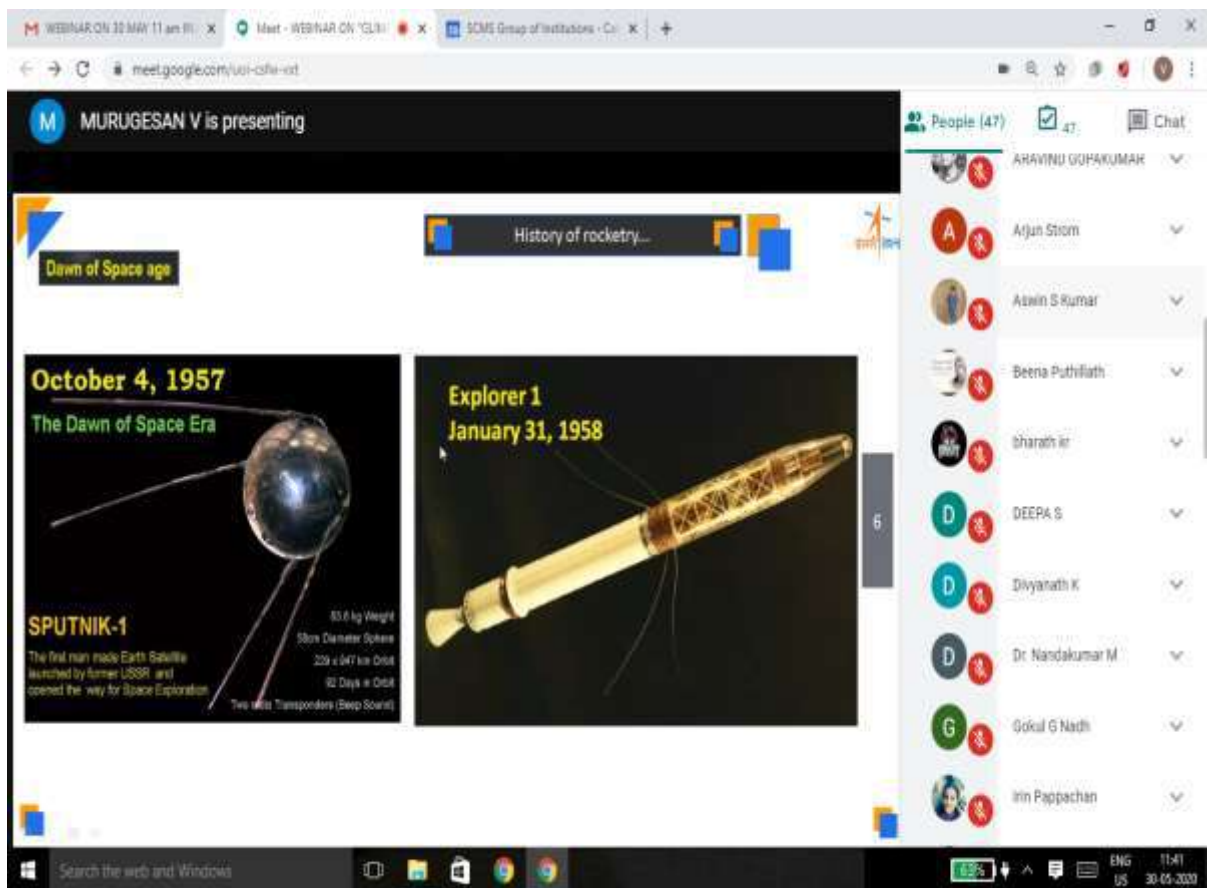
The contents of webinar was history of rocketry, Indian space program, Launch vehicle system, assembly, stages, special mission like Chandrayaan I, MOM, SRE, RLV, Chandrayaan II; applications and ISRO academic careers. Dr. Murukeshan began the session by history of rocketry. He explained about contributions of Copernicus, Kepler, Galileo and Newton. More over he focused on contributions of Tsiolkovsky (Father of Modern rocketry), Hermann Oberth, Robert Goddard and Werner Ven Braun. The various missile launch vehicles like delta, Titan, Atlas and Saturn V was explained. He also explained about Sputnik I which was dawn of space age. He also gave an overview of beginning of VSSC.

Thumba was selected as VSSC in Thiruvananthapuram because earth's magnetic equator is passing through it. In 1962 St. Mary's Magadellane Church served as office and laboratory which was now converted to Space Museum. The first sounding Rocket Nike Apache was launched from Thumba on 21st November 1963. The first Indian Rocket Rohini 75 was launched from Thumba on 20th November 1967. He also explained about features stages, length, weight, altitude and applications of various rockets. Dr. APJ Abdul Kalam was the true inspiration for VSSC for launching vehicle when he served there. SLV 3 was launched in August 79, July 80, May 81 and April 83 while ASLV was launched in March 87, July 88, May 92 and May 94. He also gave an overview of various ISRO centers in India, its programmes and R&D endeavors. He explained

about propellants, chemical, Integration & testing, control & guidance, structure, system reliability, aerodynamics etc.

The design of space launch was narrated with equations, concept and videos. The types of rocket propulsion are solid, liquid, semi cryo and cryo. The details of vehicles namely SLV3, ASLV, PSLV-XL, GSLV-MK II, GSLV-MK III was explained in terms of height, weight, propulsion, mass and orbit. The features of avionics, materials used, preparation of launching vehicles was also explained with videos. The accomplishment of VSSC is 180 mission in total. It finds applications in telecommunication, broad casting, meteorology, telemedicine, coastal zone management, disaster management, agriculture etc. The future of space transportation in India is very bright with possibilities for improvement in all scientific and engineering disciplines. VSSC has technical training centre and Engineering College to mould young engineering aspirants to serve for nation.

Glimpses of the webinar:



MEET: WEBINAR ON 30 MAY 11:13 AM

meet.google.com/ksj-cfhw-vyt

MURUGESAN is presenting

Sachin S Nair and 37 more

11:13 AM

CONTENT OF PRESENTATION

- History of rocketry, Indian space program
- Launch Vehicles, systems and assembly
- Stages
- Special missions
 - Chandrayaan-1
 - MOH
 - SRE
 - RLV
 - Chandrayaan-2
- Applications
- Summary
- ISRO – Academics and Careers

Dr. Nandakumar M

arwin francis

11:13 30-05-2020

MEET: WEBINAR ON 30 MAY 11:46 AM

meet.google.com/ksj-cfhw-vyt

MURUGESAN V is presenting

Jayalakshmi S and 42 more

11:46 AM

Lead Center for Space Transportation System

VIKRAM SARABHAI SPACE CENTRE

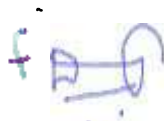
R&D Endeavors

Programme

- SSLV
- PSLV
- GSLV
- GSLV Mk II
- ABPP
- ATV
- RLV

WEBINAR ON "GLIMPSES OF INDIA'S SPAC...

11:46 30-05-2020



Dr. Nandakumar
HoD (EE)

REGISTRATION

| Full Name | Phone number | Class and branch | Email id | Submitter | Submission Date |
|-------------------------------|--------------|-------------------|------------------------------------|------------------|-----------------------|
| ARJUNAN V M | 7356350908 | S4EEE | arjunstrom9@gmail.com | | 5/26/2020, 6:21:10 PM |
| ANGEL JOYSON. | 7510108954 | S4. EEE. | angeljoyson2018@gmail.com | | 5/26/2020, 6:23:48 PM |
| KAJAL C T | 6235874499 | S4 EEE | kajalct23@gmail.com | | 5/26/2020, 6:33:54 PM |
| ANU. P. L P. L | 9446670503 | S4 EEE | anu250620@gmail.com | | 5/26/2020, 6:34:57 PM |
| KAJAL C T | 6235874499 | S4 EEE | kajalct23@gmail.com | | 5/26/2020, 6:35:33 PM |
| Irin Pappachan | 8281535747 | S4EEE | irinpappachan20@gmail.com | | 5/26/2020, 6:36:58 PM |
| PARVATHI K M | 8086406505 | S4 EEE | parvathymukundan11@gmail.com | | 5/26/2020, 6:38:50 PM |
| AMRUTHA SS | 7593996134 | S6, EEE | unnimayamru@gmail.com | | 5/26/2020, 6:39:50 PM |
| DEVIKA P | 9497046034 | 8th Semester, EEE | devikap07@gmail.com | | 5/26/2020, 6:42:45 PM |
| Beena Puthillath | 7907619507 | Faculty-EEE | beena.ajit1 | Beena Puthillath | 5/26/2020, 6:56:21 PM |
| Pranav Ramakrishnan | 9539341429 | S3 EEE | pranavraki@gmail.com | | 5/26/2020, 8:19:22 PM |
| Aravind Gopakumar | 9400079766 | S4,EEE | aravindgopakumar10@gmail.com | | 5/27/2020, 1:37:07 AM |
| MAXWELL MARTIN | 9946581397 | S4 | maxwell.e.arackal@gmail.com | | 5/27/2020, 4:46:23 AM |
| JOSHUA JOLLY | 7025835239 | S4 | joshuajolly1122@gmail.com | | 5/27/2020, 7:08:33 AM |
| Ansan Simon | 7907582709 | Eee s4 | Ansanksimon@gmail.com | | 5/27/2020, 7:11:27 AM |
| Anna Christintha T Thankachan | 9497398564 | S6 Electrical | Christinthaanna06@gmail.com | | 5/27/2020, 7:14:34 AM |
| RAJESWARY A.V | 9946422789 | S6 EEE | rajeswaryvenugopal07@gmail.com | | 5/27/2020, 7:15:57 AM |
| HARIKRISHNAN V | 8138802435 | | 6 harikrishnanveluthattu@gmail.com | | 5/27/2020, 7:16:34 AM |
| Joseph Babu | 7994370409 | S6 EEE | Josephbabum1999@gmail.com | | 5/27/2020, 7:17:22 AM |
| Muhammed Sahil ms | 9847636936 | S4 EEE | sahil503732@gmail.com | | 5/27/2020, 7:20:21 AM |
| SWATHY R PILLAI | 8547067923 | S8 EEE | swathyrajeepilm@gmail.com | | 5/27/2020, 7:20:36 AM |
| Shibin M s | 9048563018 | S6 | shibinmadathingal1998@gmail.com | | 5/27/2020, 7:21:01 AM |
| ELVIN T G | 8078256324 | S6-EEE | elvinthekkanath@gamil.com | | 5/27/2020, 7:26:16 AM |
| ANJALI VINOD | 9995309756 | S6 EEE | anjali99vinod@gmail.com | | 5/27/2020, 7:32:25 AM |
| Shojo Johnson | 9961914931 | S6 | shojojohnson18@gmail.com | | 5/27/2020, 7:35:52 AM |
| Vishnu Unnikrishnan | 8826180980 | Semester 6, EEE | Vishnuabl2@gmail.com | | 5/27/2020, 7:50:18 AM |
| Gokul G Nadh | 9745635835 | S6EE | iamgokulgnadh@gmail.com | | 5/27/2020, 8:20:12 AM |
| Nakash Faisal | 8891424342 | S6 EEE | Nakashfz19@gmail.com | | 5/27/2020, 8:55:08 AM |
| S Anshya Shibi | 9562464666 | S6 EEE | anshyasmile@gmail.com | | 5/27/2020, 9:43:11 AM |

| | | | | |
|-----------------------|------------|-----------------|-----------------------------------|------------------------|
| ANGEL JOSE | 9188774464 | S6 EEE | anjalyangel1999@gmail.com | 5/27/2020, 9:49:31 AM |
| Akshay Ajith | 9497149085 | S6 EEE | akshay007ajith@gmail.com | 5/27/2020, 1:35:12 PM |
| ABISHEK JOSE | 9539556032 | S6 EEE | abishekjose1@gmail.com | 5/27/2020, 3:16:10 PM |
| Sayooj Suresh | 8113099762 | S6 EE | sayoojsuresh.suresh6@gmail.com | 5/27/2020, 3:16:35 PM |
| Shimna A K | 9544139269 | S8 EEE | shimnaak21@gmail.com | 5/27/2020, 4:26:00 PM |
| MOHAMMED RAFAEQUE T I | 7561036891 | S8 EEE | rafeeque97emj@gmail.com | 5/27/2020, 4:38:24 PM |
| Aswin S Kumar | 9567407164 | S6 EEE | aswincorpsion@gmail.com | 5/27/2020, 4:53:17 PM |
| ANWIN FRANCIS | 8078361648 | S8 EEE | anwinfrancis281@gmail.com | 5/28/2020, 3:50:59 AM |
| Dr Divya Nath K | 9446754306 | | divyanathk@gmail.com | 5/28/2020, 4:26:48 AM |
| Albert George | 9745881362 | Electrical S2 | albertgeorge2001@gmail.com | 5/28/2020, 5:25:26 AM |
| SACHIN S NAIR | 9847805764 | S8 EEE | sachinsdp2298@gmail.com | 5/28/2020, 5:51:52 AM |
| Bharath K R | 9400369642 | S6 EEE | bharathkadungoth@gmail.com | 5/28/2020, 5:53:27 AM |
| JOE JOSEPH NELSON | 9446239773 | EEE S8 | joejoseph.nelson47@gmail.com | 5/28/2020, 6:13:45 AM |
| Tritin Thomas | 9562656170 | S6 EEE | trittinthomas@gmail.com | 5/28/2020, 6:27:00 AM |
| Ajmal C B | 7559927486 | S2 EEE | ajmalcb456@gmail.com | 5/28/2020, 6:47:00 AM |
| ARJUN ANIL KUMAR | 8129219701 | S2 | arjunanil288@gmail.com | 5/28/2020, 1:41:26 PM |
| SREERAG VS | 8086237408 | S4 ELECTRICAL | sreeragsreenivasan12345@gmail.com | 5/28/2020, 2:37:37 PM |
| Aswin Shaji | 7736558268 | S6 EEE | aswinshaji1121@gmail.com | 5/28/2020, 2:42:13 PM |
| Vyshnav K | 9745800398 | S4 EEE | vyshnavk2000@gmail.com | 5/28/2020, 2:45:00 PM |
| Nakash Faizal | 8891424342 | S6 EEE | Nakashfz19@gmail.com | 5/28/2020, 3:07:49 PM |
| Akshay Dhanesh | 9562899177 | S8 EEE | akshaydhanesh121@gmail.com | 5/28/2020, 3:21:33 PM |
| Nidhal Nazer | 9633685700 | S8 EEE | nidhalnazar80@gmail.com | 5/29/2020, 8:08:32 AM |
| Joel Thomas | 7591923799 | S4 | joelthomas99@gmail.com | 5/29/2020, 8:46:08 AM |
| NIRMAL JOSE | 9207286149 | S8 , MECHANICAL | nirmaljoe14@gmail.com | 5/30/2020, 12:27:05 PM |

**SCMS School of Engineering And Technology, Karukutty
Department of Electrical & Electronics Engineering**

FEEDBACK RESPONSE

| | | | |
|-----------------|---|---|--|
| Question | The program was well organized and structured | The resource person was knowledgeable ,organized and Effective in his presentation. | The resource person provide information useful for my career development |
| | Good | Ok | Good |
| | Good | Ok | Ok |
| | Good | Poor | Good |
| | Good | Good | Good |
| | Good | Good | Good |
| | Good | Good | Good |
| | Good | Good | Good |
| | Good | Good | Good |
| | Good | Good | Ok |
| | Good | Good | Ok |
| | Good | Good | Ok |
| | Good | Ok | Ok |
| | Good | Good | Good |
| | Good | Good | Good |
| | Good | Ok | Ok |
| | Good | Good | Good |
| | Good | Good | Good |
| | Good | Ok | Ok |
| | Good | Good | Good |



Dr. DIVYA NATH K

Did the speaker
engage the
audience

Ok

Good

Ok

Ok

Good

Good

Ok

Good

Good

Good

Good

Good

Good

Good

Good

Good

Good

Good

Good

Department of Electrical and Electronics
Engineering



SCMS School Of Engineering and Technology
Vidya Nagar, Palissery, Karukutty,
Ernakulam-683576, Kerala

Research skills -

Online Talk

"ELECTRIC GRID OVERVIEW"



MAY 18
10:00 A M

Er. Gopakumar Gopinathan
Operations Engineer - Lead
California ISO, USA





VARUN JOSE <varunjose@scmsgroup.org>

Joining details and instructions for online talk " Electric Grid Overview " on 18th May 2020 10AM IST by Er.gopakumar gopinathan

message

VARUN JOSE <varunjose@scmsgroup.org>

Sun, May 17, 2020 at 10:54 AM

Deepa S <deepas@scmsgroup.org>, "beena.ajit1998" <beena.ajit1998@gmail.com>, salmanpy444@gmail.com, vikap07@gmail.com, divyanathk@gmail.com, abishekjose1@gmail.com, albertgeorge2001@gmail.com, ojojohanson18@gmail.com, iamgokulgnadh@gmail.com, manulaby1999@gmail.com, anjalyangel1999@gmail.com, iyasshamz@gmail.com, mdshl29@gmail.com, harikrishnanveluthattu@gmail.com, christinthaanna06@gmail.com, shyasmile@gmail.com, sruthilaasokan@gmail.com, christojohnva@gmail.com, nidhalnazar80@gmail.com, chinsdp2298@gmail.com, PRIYA VENUGOPAL <priyavenugopal@scmsgroup.org>, akshaydhanesh121@gmail.com, lakshmi Babu <lakshmi babu@scmsgroup.org>, Lakshmi C R <lakshmicr@scmsgroup.org>, jayeshmohan0@gmail.com, kashfz19@gmail.com, sreelalm1999@gmail.com, shibinmadathingal1998@gmail.com, robin08021998@gmail.com, winshaji1121@gmail.com, unnimayamru@gmail.com, aswincorpsion@gmail.com, elvintheakkanath@gmail.com, Reenu Jose <reenubose@scmsgroup.org>, Varun Jose <varunjose@scmsgroup.org>, nandakumar@scmsgroup.org, phammed rafeeque ti <rafeequ97emj@gmail.com>, Jayalakshmi S <jayalakshmi@scmsgroup.org>, imnaak21@gmail.com, denzzz100@gmail.com, achu10cr7@gmail.com, ais861998@gmail.com

Department of Electrical and Electronics Engineering



SCMS School Of Engineering and Technology
Vidya Nagar, Palissery, Karukutty,
Ernakulam-683576, Kerala

Online Talk

"ELECTRIC GRID OVERVIEW"



MAY 18
10:00 A M

Er. Gopakumar Gopinathan
Operations Engineer - Lead
California ISO, USA



Joining details to attend online talk " Electric Grid Overview " on 18th may monday 10am by Er.gopakumar gopinathan

TO JOIN LINK or Meeting URL: <https://meet.google.com/pmx-jjyk-tit>

Online talk " Electric Grid Overview "on 18th may monday 10am by Er.Gopakumar Gopinathan

The Department of Electrical & Electronics of SSET under the leadership of Dr.M.Nandakumar , Prof & HOD(EEE) arranged an online talk " Electric Grid Overview "on 18th may monday 10am by Er.gopakumar gopinathan via Google Meet . The meeting id is : <https://meet.google.com/pmx-jjyk-tit> . Er. Gopakumar Gopinathan, Granite Bay, California is Operations Engineer Lead at CALIFORNIA ISO . He has Over 12 years of combined experience in Operations Engineering, Market Design and Engineering support and is extensively involved in design, testing and support of CAISO's Energy Market. Also he is Professional Engineer (PE) certified in the State of California and Reliability Coordinator NERC certified . He delivered an online talk on Electric Grid Overview which included sub topics like smart grid , micro grid , renewable energy ,market and industry trends and future of electric grid . The talk continued till 11.15 and was highly informative . The participants consisted of all EEE Dept faculties , S8EEE students , S6EEE stunts . There was around 45 participants . Dr.M.Nandakumar introduced the resource person and at the end of session many participants told their feedback and appreciation about the same . Mrs.Deepa S , Associate professor ,EEE ,SSET delivered vote of thanks .



Mr. Varun Jose
COORDINATOR

Registration Details

Electric Grid Overview

| Timestamp | Username | 1. FULL NAME * | 2. University Register Number | 3. Contact No. * |
|----------------|----------------------------------|------------------------|-------------------------------|------------------|
| 2020/05/15 1: | deepas@scmsgroup.org | Deepa.S | 1108 | 9846375859 |
| 2020/05/15 9: | beena.ajit1998@gmail.com | Beena Puthillath | | 9446001636 |
| 2020/05/15 1: | salmanpy444@gmail.com | SALMAN P Y | 19EE008 | 9633439029 |
| 2020/05/15 1: | devikap07@gmail.com | Devika P | 16028 | 9497046034 |
| 2020/05/15 2: | divyanathk@gmail.com | Dr Divya Nath K | | 9446754306 |
| 2020/05/15 3: | abishekjose1@gmail.com | ABISHEK JOSE | 17EE001 | 9539556032 |
| 2020/05/15 3: | albertgeorge2001@gmail.com | Albert George | SCM19EE003 | 9745881362 |
| 2020/05/15 3: | shojjohnson18@gmail.com | Shojo Johnson | 17EE034 | 9961914931 |
| 2020/05/15 3: | iamgokulgnadh@gmail.com | Gokul G Nadh | SCM17EE016 | 9745635835 |
| 2020/05/15 3: | manulaby1999@gmail.com | Manu Laby | SCM17EE023 | 7902602137 |
| 2020/05/15 3: | anjalyangel1999@gmail.com | ANGEL JOSE | 6 | 9188774464 |
| 2020/05/15 3: | shiyasshamz@gmail.com | Shiyas shamsudheen | SCM17EE033 | 9344434434 |
| 2020/05/15 3: | mdshl29@gmail.com | K a muhammed sahal | 16035 | 9633422034 |
| 2020/05/15 3: | harikrishnanveluthattu@gmail.com | Harikrishnan.v | SCM17EE018 | 8138802435 |
| 2020/05/15 3: | christinthaanna06@gmail.com | Anna Christintha T The | SCM17EE008 | 9497398564 |
| 2020/05/15 3: | anshyasmile@gmail.com | S Anshya Shibi | 30 | 9562464666 |
| 2020/05/15 4: | sruthilaasokan@gmail.com | Sruthila Asokan | SCM16EE059 | 9207138352 |
| 2020/05/16 9: | christojohnva@gmail.com | Christo John | SCM16EE026 | 9539850197 |
| 2020/05/16 11: | nidhalnazar80@gmail.com | NIDHAL NAZER | SCM16EE041 | 9633685700 |
| 2020/05/16 11: | sachinsdp2298@gmail.com | Sachin | 16048 | 9847805764 |
| 2020/05/16 11: | priyavenugopal@scmsgroup.org | Priya Venugopal | 1610 | 8547843088 |
| 2020/05/16 11: | akshaydhanesh121@gmail.com | Akshay dhanesh | | 9562899177 |
| 2020/05/16 11: | lakshmi babu@scmsgroup.org | Lekshmi Babu | | 9539056667 |
| 2020/05/16 11: | lakshmicr@scmsgroup.org | Lakshmi C R | | 9746013483 |
| 2020/05/16 11: | jayeshmohan0@gmail.com | Jayesh Mohan | SCM17EE020 | 9645941667 |
| 2020/05/16 11: | nakashfz19@gmail.com | Nakash Faisal | 17EE027 | 8891424342 |
| 2020/05/16 11: | sreelalm1999@gmail.com | SREELAL M | SCM17EE035 | 9539037740 |
| 2020/05/16 11: | shibinmadathingal1998@gmail.com | Shibin m s | SCM17EE032 | 9048563018 |
| 2020/05/16 11: | robin08021998@gmail.com | Robin Monteiro | 16047 | 8547966684 |
| 2020/05/16 11: | aswinshaji1121@gmail.com | Aswin shaji | SCM17EE010 | 7736558268 |
| 2020/05/16 11: | unnimayamru@gmail.com | Amrutha SS | SCM17EE005 | 7593996134 |
| 2020/05/16 11: | aswinscorpion@gmail.com | Aswin S Kumar | SCM17EE011 | 9567407164 |

2020/05/16 12: elvinthekkanath@gmail.com
 2020/05/16 1: reenubose@scmsgroup.org
 2020/05/16 1: varunjose@scmsgroup.org
 2020/05/16 1: nandakumar@scmsgroup.org
 2020/05/16 1: rafeeque97emj@gmail.com
 2020/05/16 2: jayalakshmi@scmsgroup.org
 2020/05/16 3: shimnaak21@gmail.com
 2020/05/16 8: denzzz100@gmail.com
 2020/05/16 8: achu10cr7@gmail.com
 2020/05/16 8: ais861998@gmail.com
 2020/05/17 1: jishamisha@gmail.com
 2020/05/17 3: sayoojsuresh.suresh6@gmail.com
 2020/05/17 3: vishnuablr2@gmail.com
 2020/05/17 6: lakshmi11091997@gmail.com
 2020/05/17 6: limshashaju1998@gmail.com
 2020/05/17 10: anjualbert1998@gmail.com

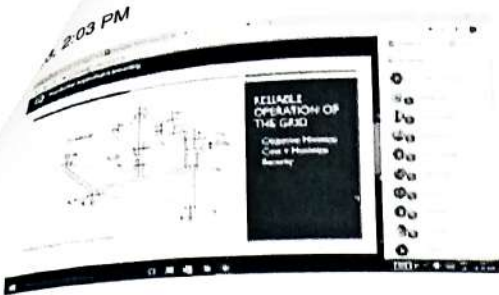
Elvin T G SCM17EE014
 Reenu Bose
 Varun Jose
 Dr.M.Nandakumar
 Mohammed Rafeeque
 Jayalakshmi.S
 Shimna A K
 Denna Rose Vincent SCM16EE027
 ARSHAK KP
 AISWARYA UNNI
 Misha George SCM17EE024
 Sayooj Suresh SCM17EE031
 Vishnu Unnikrishnan SCM17EE038
 Lakshmi R S
 LIMSHA SHAJU
 Anju Albert SCM16EE017

802
 16040
 16054
 16021
 16006
 36
 38

8078256324
 9496822571
 8113980768
 9446354430
 7561036891
 9446756742
 9544139269
 8301981614
 9544167017
 9446411155
 9072997098
 8113099762
 8826180980
 9446554493
 9961725369
 9061340655

| | | |
|----------------------------------|--------------------------------------|------------|
| deepas@scmsgroup.org | Deepa.S | 9846375859 |
| beena.ajit1998@gmail.com | Beena Puthillath | 9446001636 |
| salmanpy444@gmail.com | SALMAN P Y | 9633439029 |
| devikap07@gmail.com | Devika P | 9497046034 |
| divyanathk@gmail.com | Dr Divya Nath K | 9446754306 |
| abishekjose1@gmail.com | ABISHEK JOSE | 9539556032 |
| albertgeorge2001@gmail.com | Albert George | 9745881362 |
| shojjohnson18@gmail.com | Shojo Johnson | 9961914931 |
| iamgokulgnadh@gmail.com | Gokul G Nadh | 9745635835 |
| manulaby1999@gmail.com | Manu Laby | 7902602137 |
| anjalyangel1999@gmail.com | ANGEL JOSE | 9188774464 |
| shiyasshamz@gmail.com | Shiyas shamsudheen | 9344434434 |
| mdshl29@gmail.com | K a muhammed sahal | 9633422034 |
| harikrishnanveluthattu@gmail.com | Harikrishnan.v Anna Christintha T | 8138802435 |
| christinthaanna06@gmail.com | Thankachan | 9497398564 |
| anshyasmile@gmail.com | S Anshya Shibi | 9562464666 |
| sruthilaasokan@gmail.com | Sruthila Asokan | 9207138352 |
| christojohnva@gmail.com | Christo John | 9539850197 |
| nidhalnazar80@gmail.com | NIDHAL NAZER | 9633685700 |
| sachinsdp2298@gmail.com | Sachin | 9847805764 |
| priyavenugopal@scmsgroup.org | Priya Venugopal | 8547843088 |
| akshaydhanesh121@gmail.com | Akshay dhanesh | 9562899177 |
| lakshmibabu@scmsgroup.org | Lekshmi Babu | 9539056667 |
| lakshmicr@scmsgroup.org | Lakshmi C R | 9746013483 |
| jayeshmohan0@gmail.com | Jayesh Mohan | 9645941667 |
| nakashfz19@gmail.com | Nakash Faisal | 8891424342 |
| sreelalm1999@gmail.com | SREELAL M | 9539037740 |

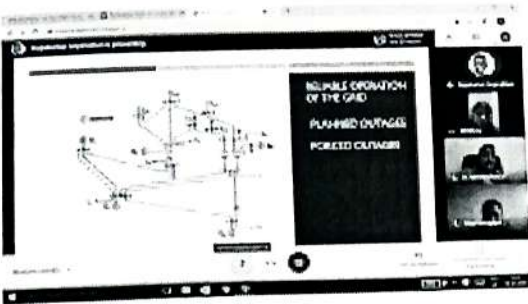
| | | |
|---------------------------------|----------------------|------------|
| shibinmadathingal1998@gmail.com | Shibin m s | 9048563018 |
| robin08021998@gmail.com | Robin Monteiro | 8547966684 |
| aswinshaji1121@gmail.com | Aswin shaji | 7736558268 |
| unnimayamru@gmail.com | Amrutha SS | 7593996134 |
| aswinscorpion@gmail.com | Aswin S Kumar | 9567407164 |
| elvinthekkanath@gmail.com | Elvin T G | 8078256324 |
| reenubose@scmsgroup.org | Reenu Bose | 9496822571 |
| varunjose@scmsgroup.org | Varun Jose | 8113980768 |
| nandakumar@scmsgroup.org | Dr.M.Nandakumar | 9446354430 |
| rafeeqe97emj@gmail.com | Mohammed Rafeeqe T I | 7561036891 |
| jayalakshmi@scmsgroup.org | Jayalakshmi.S | 9446756742 |
| shimnaak21@gmail.com | Shimna A K | 9544139269 |
| denzzz100@gmail.com | Denna Rose Vincent | 8301981614 |
| achu10cr7@gmail.com | ARSHAK KP | 9544167017 |
| ais861998@gmail.com | AISWARYA UNNI | 9446411155 |



Untitled4.png
243K



Untitled2.png
373K



Untitled5.png
369K



Untitled6.png
419K



talk 1.png
1075K



Untitled8.png
475K



Divyanath K. <divyanath@scmsgroup.org>

Fwd: online talk by Er.Gopakumar 18th may screen shots

Dr. Nandakumar M <nandakumar@scmsgroup.org>

Mon, May 18, 2020 at 11:21 AM

To: beena@scmsgroup.org, deepas@scmsgroup.org, divyanath@scmsgroup.org, jayalakshmi@scmsgroup.org, lakshmi@scmsgroup.org, lakshmicr@scmsgroup.org, priyavenugopal@scmsgroup.org, reenubose@scmsgroup.org, VARUN JOSE <varunjose@scmsgroup.org>

----- Forwarded message -----

From: **VARUN JOSE** <varunjose@scmsgroup.org>

Date: Mon, May 18, 2020 at 11:15 AM

Subject: online talk by Er.Gopakumar 18th may screen shots

To: <nandakumar@scmsgroup.org>

--
Mr. VARUN JOSE J M

Asst. Professor

E.E.E Department

S.C.M.S SCHOOL OF ENGINEERING AND TECHNOLOGY ,KARUKUTTY

8113980768

--
 Dr.M.Nandakumar

Professor & HOD

Department of Electrical & Electronics Engineering

SCMS School of Engineering & Technology

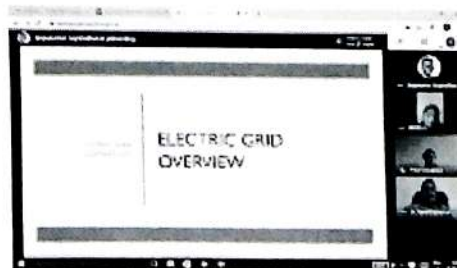
Karukutty, Ernakulam

Kerala- 683 582

15 attachments



Untitled3.png
205K



Untitled.png
237K



SCMS School of Engineering And Technology, Karukutty
Department of Electrical & Electronics Engineering

FEEDBACK RESPONSE

| | | | |
|-----------------|---|---|--|
| Question | | The resource person was knowledgeable, organized and Effective in his presentation. | The resource person provide information useful for my career development |
| | The program was well organized and structured | | |
| | Good | Good | Good |
| | Good | Good | Good |
| | Good | Good | Good |
| | Good | Good | Good |
| | Good | Good | Good |
| | Good | Good | Ok |
| | Good | Good | Ok |
| | Good | Good | Ok |
| | Good | Ok | Ok |
| | Good | Good | Good |
| | Good | Good | Good |
| | Good | Ok | Ok |
| | Good | Good | Good |
| | Good | Good | Good |
| | Good | Ok | Ok |
| | Good | Good | Good |



Dr. DIVYA NATH K

Did the speaker
engage the
audience

Ok

Good

Good

Ok

Good

Good

Good

Good

Good

Good

Good

Good

Good

Good

Good

Good

DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING



SCMS School Of Engineering And
Technology Vidya Nagar, Pallisery,
Karukutty, Ernakulam-683 576, Kerala

Research Ideas on

ONLINE TALK

ADVANCED ELECTRICAL
MACHINES FOR EV APPLICATION



Dr. Sreeju S Nair
Leading Expert in the field
of Electric Vehicle (EV)
Motors and IEEE Senior
member.

MAY 12

11AM TO 12PM

Join for the seminar at 10:45 AM to avoid last minute hassles.

ACE
Association of Core Electricals

**Break
the
chain**

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



SCMS School Of Engineering And Technology Vidya Nagar, Pallisery, Karukutty, Ernakulam-683 576, Kerala

Research Ideas on

ONLINE TALK **ADVANCED ELECTRICAL MACHINES FOR EV APPLICATION**



Dr. Sreeju S Nair
Leading Expert in the field of Electric Vehicle (EV) Motors and IEEE Senior member.

MAY 12

11AM TO 12PM

Join for the seminar at 10:45 AM to avoid last minute hassles.



Full Name *

Check your text



SCMS School of Engineering and Technology
Department of Electrical and Electronics Engineering

Research Ideas on

ADVANCED ELECTRICAL MACHINES ON EV APPLICATIONS

Date: 12TH May, 2020

A webinar on 'Advanced Electrical Machines for EV Application' was organised by the EEE Department of SSET on May 12, 2020. The main speaker at the webinar was IEEE Senior Member **Dr.Sreeju S.Nair, who is a leading expert in the field of electric vehicle** motors. He gave insight into the use of wide variety of drives for electric vehicle motor design. Around 50 students and 10 faculty members took part in the webinar, which elicited good feedback from among the participants. Mrs. Priya Venugopal, faculty in-charge of the programme, coordinated the programme under the leadership of Head of the Department, Dr.M. Nandakumar.

Dr. Sreeju S Nair began the session by emphasizing the significance of hybrid electric vehicle in the present scenario, especially for being safe and environment friendly. Electric vehicles would enable the increased use of electrical power in areas such as vehicle performance, fuel economy, emissions, passenger comfort, and safety. He mainly focused on the drives used in electric hybrid motors along with the power electronics convertor part, which includes AC-DC-AC.

In HEVs, PHEVs and fuel-cell vehicles, the challenges are to achieve high efficiency, ruggedness, small sizes. In fuel-cell vehicles, a power-conditioning unit such as a dc-dc converter for matching the fuel-cell voltage with the battery pack may also be necessary. In steer-by-wire and brake-by-wire applications, a fast-response motor, inverter, and control system are essential and must be able to operate in adverse environmental conditions. The integration of actuators with power electronics not only improves the overall system reliability but also reduces the cost, size, etc. The technology of the electric motor plays a major role in the vehicle's dynamics and the type of power converter for controlling the vehicle operating characteristics.

In the next part of the session he explained about the drives. The various types of electric motors used in electric vehicles DC Series Motor, Brushless DC Motor, Permanent Magnet Synchronous Motor (PMSM), Three Phase AC Induction Motors and Switched Reluctance Motors (SRM).

Hybrids are generally found with AC motors, of which three types are used--the permanent magnet type, the three-phase induction type and the multi-phase induction type

The electric motor in a hybrid car serves a dual purpose; it not only provides torque to drive the wheels, but when the car is braking, the electric motor becomes a generator and charges the batteries. Hybrids use their electric motors in conjunction with an internal combustion engine (ICE) that charges the batteries. It is part of the drive train of the car. Often the hybrid car will derive power from both the electric and ICE at the same time, while sometimes power is supplied by the electric motor only, which results in a very quiet ride

In the future, motors will naturally continue to grow in performance and efficiency. Some innovators will seek out magnets made using more low-cost and non-rare-earth elements, as Honda recently did in a development project with Daido Steel. Their neodymium magnet contains no heavy rare earth material but is still powerful enough for vehicle use. Motor speeds will also improve from the present range of 12,000–18,000 rpm.to 30,000 rpm—with the benefit that a smaller, lighter motor can do the work of a larger one that spins more slowly.

In short, the session helped the participants to gain information on the use of various drives and motors in the field of electric vehicle motor design.

Glimpses of the webinar:

The screenshot displays a webinar interface. On the left, a slide titled "PM-BDC Motor" is visible. The slide content includes:

- PM-BDC Motor**
- A permanent magnet DC (PMDC) motor is a motor whose poles are made out of permanent magnets.
- Advantages:**
 - Since no external field circuit is needed, there are no field circuit copper losses.
 - Since no field windings are needed, these motors can be considerable smaller.
- Disadvantages:**
 - Since permanent magnets produce weaker flux densities than externally supplied stator fields, such motors have lower induced torque.
 - There is always a risk of demagnetization from excessive heating or from armature reaction effects (via armature field).

Below the text is a photograph of a motor component, labeled "Fig. PM-BDC motor".

On the right side of the interface, there is a grid of 12 video thumbnails arranged in 4 rows and 3 columns. The top row shows three active video feeds with names: "Dr. Nandaku...", "Priya Venuga...", and "Sreenu Mar...". The remaining 9 thumbnails are inactive and display the names of participants: "akshay", "sanjay shaji", "Habeeb's iPhone", "TRITIN THOMAS", "Akhil Paulson", "Sahal", "Jayalakshmi.S", "Vishnu M", "varun jose", "Bharath K R", "AJIN P THOMAS", and "Lakshmi C R".

Interior Permanent Magnet (IPM) Machine

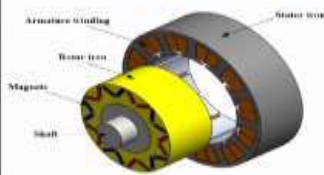


Fig. Schematic of IPM



IPM motor rotor and stator

- ❖ Magnets are embedded inside the rotor
- ❖ Retaining sleeves in SPM may no longer be needed, which simplifies the manufacture procedure
- ❖ Reduces the usage of magnets
- ❖ Reduction of the effective air-gap length, resulting in high inductance and high field weakening capability of IPM (Wide speed range)
- ❖ Torque is generated by the interaction of magnet fields and also by the reluctance as in SRM and SynRm
- ❖ The contribution from the reluctance towards torque is below 50% and magnet torque is major

Slide 30

jeju Nair's screen



Dr. Nandakumar M
HoD (EE)

Online Talk* Advanced Electrical Machines for Electric Vehical (EV) Applications*

Attendance Sheet

| Timestamp | Email Address | Full Name | University Register Numb | Contact No. | |
|-----------|--------------------|----------------------------------|--------------------------|-------------|------------|
| 1 | 5/8/2020 9:45:40 | mrathgth1999655@gmail.com | ABHILITH RAJAN | 16001 | 9526363121 |
| 2 | 5/8/2020 14:10:59 | shimnaak21@gmail.com | SHIMNA A K | 16054 | 9544139269 |
| 3 | 5/10/2020 11:58:27 | rafeequl77em@gmail.com | Mohammed Rafeeqe T | 16040 | 7561036891 |
| 4 | 5/10/2020 11:59:23 | sachinadp2298@gmail.com | Sachin S Nair | 16048 | 9847805764 |
| 5 | 5/10/2020 12:01:08 | sruthilassokan@gmail.com | Sruthila Asokan | 16059 | 9207138352 |
| 6 | 5/10/2020 12:01:21 | devikap07@gmail.com | Devika P | 16028 | 9497046034 |
| 7 | 5/10/2020 12:01:21 | spkalan@gmail.com | Sooraj Sudarsanan | 16056 | 7034705486 |
| 8 | 5/10/2020 12:06:15 | akshaydhanesh121@gmail.com | Akshaydhanesh | 1610 | 9562899177 |
| 9 | 5/10/2020 12:07:54 | robin08021998@gmail.com | Robin Monteiro | 16047 | 8547966684 |
| 10 | 5/10/2020 12:11:23 | limeshshaju1998@gmail.com | LIMSHA SHAJU | 38 | 9961725369 |
| 11 | 5/10/2020 12:17:41 | nidhalnazer90@gmail.com | Nidhal Nazer | 16041 | 9633685700 |
| 12 | 5/10/2020 12:21:12 | salini0025@gmail.com | SALINI MENON K P | 049 | 8281034211 |
| 13 | 5/10/2020 12:24:56 | trilinthomas@gmail.com | Trilin Thomas | 036 | 9562656170 |
| 14 | 5/10/2020 12:28:42 | bharathkadungoth@gmail.com | Bharath K R | 13 | 9400369642 |
| 15 | 5/10/2020 12:31:03 | abishekjose1@gmail.com | Abishek jose | 17001 | 9539556032 |
| 16 | 5/10/2020 12:33:11 | sanjayvinu@gmail.com | Sanjay PS | 51 | 9061210094 |
| 17 | 5/10/2020 12:33:24 | nakashfz19@gmail.com | Nakash Faisal k | 17027 | 8891424342 |
| 18 | 5/10/2020 12:33:38 | harikrishnanveluthattu@gmail.com | Harikrishnan.v | 018 | 8138802435 |
| 19 | 5/10/2020 12:34:43 | manulaby1999@gmail.com | Manu Laby | 17023 | 7902802137 |
| 20 | 5/10/2020 12:43:19 | anahyasmbile@gmail.com | S Anahya Shibi | 7693 | 9582464666 |
| 21 | 5/10/2020 12:44:00 | shojjohnson18@gmail.com | Shojo Johnson | 1.70E+35 | 9961914931 |
| 22 | 5/10/2020 12:46:53 | dennzz100@gmail.com | Denna Rose Vincent | 27 | 8301981614 |
| 23 | 5/10/2020 12:50:27 | elvinthekkanath@gmail.com | Elvin T G | 7640 | 8078256324 |
| 24 | 5/10/2020 12:54:22 | athul.98@rediffmail.com | Athul B | 16025 | 9037548567 |
| 25 | 5/10/2020 12:58:48 | aswinshaji1121@gmail.com | Aswin shaji | 010 | 7736558268 |
| 26 | 5/10/2020 12:58:13 | rajathpramod@gmail.com | Rajath pramod | 043 | 8301878448 |
| 27 | 5/10/2020 12:57:19 | joeposeph.nelson47@gmail.com | Joe Joseph Nelson | 16034 | 9446239773 |
| 28 | 5/10/2020 13:11:12 | ansvindprathap06@gmail.com | Ansvind Prathap | 20 | 9497865271 |
| 29 | 5/10/2020 13:12:45 | angelangel1999@gmail.com | ANGEL JOSE | 006 | 9188774464 |

Online Talk[®] Advanced Electrical Machines for Electric Vehical (EV) Applications[®]

Attendance Sheet

| | Timestamp | Email Address | Full Name | University Register Number | Contact No. |
|----|--------------------|---------------------------|----------------------|----------------------------|-------------|
| 30 | 5/10/2020 13:17:37 | jeethaleesha077@gmail.com | Jeetha Shekhar | 502 | 7452000362 |
| 31 | 5/10/2020 13:24:35 | sqah07@gmail.com | Mohamed Sgeeth M | 50 | 5111004462 |
| 32 | 5/10/2020 13:35:44 | nurraedeh04@gmail.com | Greenia M R | 10007 | 8987713542 |
| 33 | 5/10/2020 13:36:20 | anaghaan01@gmail.com | Anagha Anil | 10016 | 8281274761 |
| 34 | 5/10/2020 14:21:23 | alankoker@gmail.com | Alan Jankal | 10012 | 7512907321 |
| 35 | 5/10/2020 14:23:59 | rahul29@gmail.com | R a mohammed sahal | 10020 | 9530472234 |
| 36 | 5/10/2020 15:15:44 | riasa_dhu723@gmail.com | Rinawan M A | 048 | 7581950419 |
| 37 | 5/10/2020 15:50:50 | layaprathep123@gmail.com | Laya Prathep | 10027 | 1125008190 |
| 38 | 5/10/2020 16:38:20 | anjulien1998@gmail.com | Anju Abhai | 10017 | 9261369600 |
| 39 | 5/10/2020 16:45:51 | aditha0@gmail.com | Habash Rishakkapadik | 10020 | 3460131220 |
| 40 | 5/10/2020 17:14:17 | shyamkrishnan23@gmail.com | Shyam krishnan | 10005 | 8502978194 |
| 41 | 5/10/2020 17:25:24 | swati1998@gmail.com | Ashwarya Urud | 6 | 3445411100 |
| 42 | 5/10/2020 17:35:40 | aditha1007@gmail.com | Adithak MP | 21 | 9054107017 |
| 43 | 5/10/2020 17:52:13 | thomaspattath07@gmail.com | Thomas P S | 10001 | 7034760810 |
| 44 | 5/10/2020 18:14:17 | thomasanjayshap@gmail.com | Sanjay Shap | 10052 | 9429803042 |
| 45 | 5/10/2020 18:30:04 | swathyrajeevplm@gmail.com | SWATHY R PILLAI | 60 | 8047067923 |
| 46 | 5/10/2020 21:41:01 | hemath4343@gmail.com | Ashal Krishna K B | 10008 | 8261608499 |
| 47 | 5/11/2020 10:28:37 | ajip1998@gmail.com | AJIP P THOMAS | 10007 | 830397210 |
| 48 | 5/11/2020 10:30:22 | aswinurathan@gmail.com | ASWIN S UNNITHAN | 10024 | 8281670334 |
| 49 | 5/11/2020 11:34:28 | lakshmi11091997@gmail.com | Lakshmi R S | 35 | 9448054493 |

Pl join the online talk at 10.45am to avoid last minute hassles

Join Zoom Meeting

<https://us04web.zoom.us/j/775574230597?pwd=amo2VnplbnZ9Nz0vcWVlSUJGUlswdz09>

Handwritten signature/initials.

**SCMS School of Engineering And Technology, Karukutty
Department of Electrical & Electronics Engineering**

FEEDBACK RESPONSE

| | | | |
|-----------------|---|---|--|
| Question | The program was well organized and structured | The resource person was knowledgeable ,organized and Effective in his presentation. | The resource person provide information useful for my career development |
| | Good | Ok | Good |
| | Good | Ok | Ok |
| | Good | Poor | Good |
| | Good | Good | Good |
| | Good | Good | Good |
| | Good | Good | Good |
| | Good | Good | Good |
| | Good | Good | Good |
| | Good | Good | Ok |
| | Good | Good | Ok |
| | Good | Good | Ok |
| | Good | Ok | Ok |
| | Good | Good | Good |
| | Good | Good | Good |
| | Good | Ok | Ok |
| | Good | Good | Good |
| | Good | Good | Good |
| | Good | Ok | Ok |
| | Good | Good | Good |



Dr. DIVYA NATH K

Did the speaker
engage the
audience

Ok

Good

Ok

Ok

Good

Good

Ok

Good

Good

Good

Good

Good

Good

Good

Good

Good

Good

Good

Good

SCMS SCHOOL OF ENGINEERING AND TECHNOLOGY

VIDYA NAGAR, KARUKUTTY, ERNAKULAM - 683 582

DEPARTMENT OF MECHANICAL ENGINEERING

ASSOCIATION OF MECHANICAL ENGINEERS FOR RESEARCH AND INNOVATION (ARiME)

TEACHERS INITIATIVE RESEARCH PROGRAM

As part of the faculty knowledge updation program, it was decided to have a knowledge sharing session among the faculty members of SSET. When everything else is getting updated, it is important as teachers to get updated with **effective research pedagogies**, new skills, and techniques.

The first session on TIPs was given by **Dr. Rag. R. L, Professor and Head, Department of Mechanical Engineering, SSET** on **“Bio-inspired Technology”**. Lecture was very interesting as he supported his explanation with examples. The welcome address was given by the organizer, Mr. Dhanesh S, Assistant professor, Department of Mechanical Engineering.

An overview of the topics discussed in presentation is given below.

- Sustainable v/s unsustainable problem solving
- Sustainable development and nature
- Introduction to biomimicking
- Importance and examples of biomimicking
- Implementing biomimicry



ARiME presents
Teachers Initiative Programs
on **“Bio-Inspired Technology”**



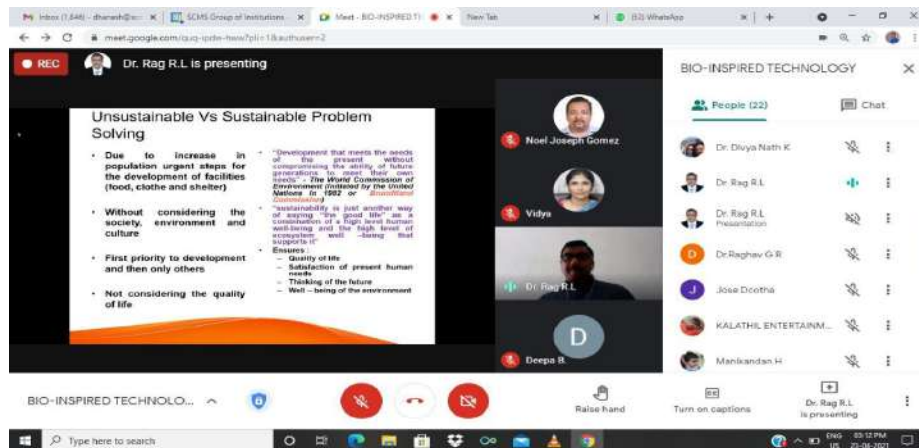
Dr. Rag R L
Professor and Head of the Department
Department of Mechanical Engineering

23 APRIL 2021 | **03:00 PM IST**
Join on Google Meet



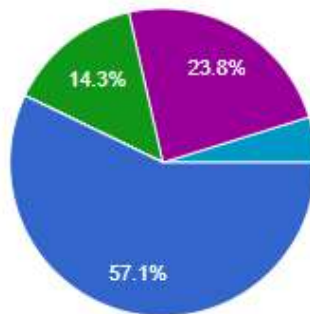
- Biomimicry for sustainability

21 participants from various departments of SSET participated in the session with the percentage of faculty participation from various departments attached below. The session was concluded by vote of thanks by the organizer.



Department

21 responses

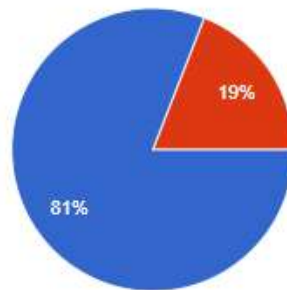


- Mechanical Engineering
- Civil Engineering
- Computer Science and Engineering
- Electrical and Electronics Engineering
- Electronics and Communication Engineering
- Basic Science and Humanities
- Automobile Engineering

Feedback report (based on responses from Google Form)

The program was well organised and structured.

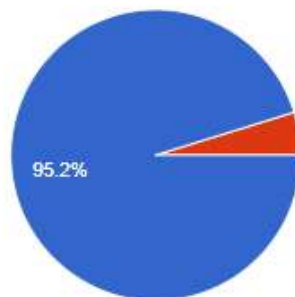
21 responses



- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

The resource person was knowledgeable, organised and effective in his presentation.

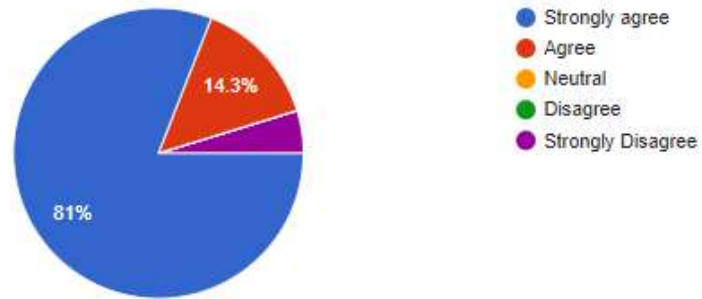
21 responses



- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

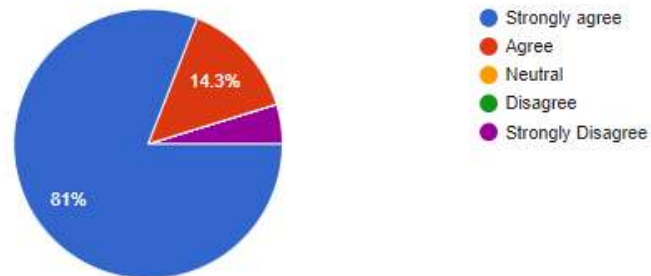
The resource person provided information useful for my career development.

21 responses



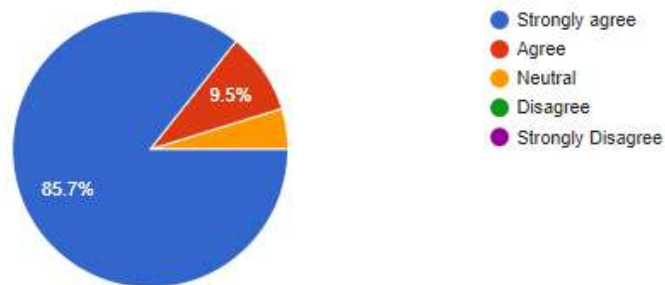
The event covered contents encouraging innovations and technologies for the benefit of the society and environment.

21 responses



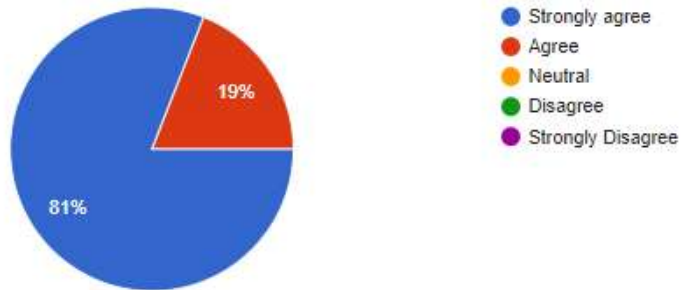
The resource person provided a platform to demonstrate the knowledge of, and need for sustainable development.

21 responses



The event enabled the participants to understand the need to engage in independent and life-long learning in the broadest context of technological change associated with sustainable environment.

21 responses



T. M. Anup Kumar
Secretary
ARiME

Dr. Rag R L
Head of Department
Department of Mechanical Engineering

SCMS SCHOOL OF ENGINEERING AND TECHNOLOGY

VIDYA NAGAR, KARUKUTTY, ERNAKULAM - 683 582

DEPARTMENT OF MECHANICAL ENGINEERING

ASSOCIATION OF MECHANICAL ENGINEERS FOR RESEARCH AND INNOVATION (ARiME)

WEBINAR ON COPYRIGHT AND PLAGIARISM

Most industries across our economy rely on the adequate enforcement of their patents, trademarks, and copyrights. An efficient and well-balanced system for the protection of copyright and related rights is necessary for the preservation of national culture and identity. Without adequate protection also for them, foreign works and cultural products may inundate the markets of the given country and create a kind of unfair competition for any domestic creations and publications. In this age of information, plagiarism is very common among the students, sometimes it is intentional, but most of the time it is by accident or done unconsciously and due to lack of knowledge about plagiarism. Considering the importance of copyright and plagiarism in literary works, the Department of Mechanical Engineering organized a live webinar on “Copyright and Plagiarism” on 08th July 2020, open to students and professionals in and out SSET. The webinar addressed a basic overview of copyright and plagiarism intelligible to everyone in a layman language.

The webinar speaker was Ms. Arathi Ashok, Assistant Professor, School of Legal Studies, CUSAT. Out of the 464 registered participants, more than 270, including students, research scholars, faculties and other professionals participated in the webinar. The webinar was witnessed by vast external participation from all over the country. A live streaming of the session was also organized through YouTube.

The webinar was inaugurated by the Head of the Department, Mechanical Engineering. He appreciated the audience by elaborating the SSET academic achievements and endeavors undertaken in the engineering education. The resource person started her speech on copy right with an example



Department of Mechanical Engineering
SCMS School of Engineering and Technology
Vidya Nagar, Karukutty, Ernakulam - 683576

Webinar on
COPYRIGHT AND PLAGIARISM

ARATHI ASHOK
Assistant Professor
School of Legal Studies
CUSAT, Kochi

JULY 08
02.00 PM - 03.00 PM

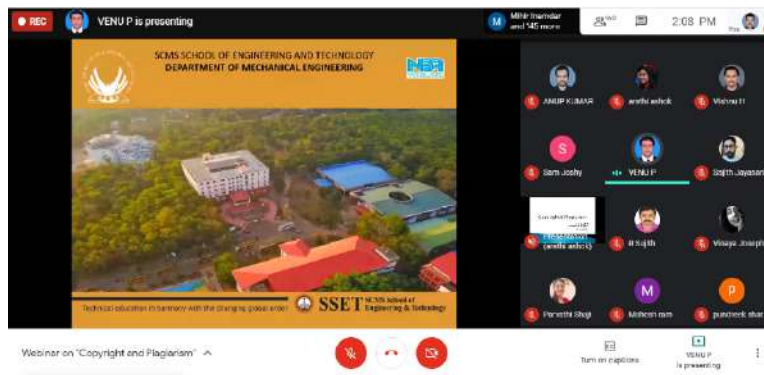
JOIN ON
GOOGLE MEET

Register with: <https://forms.gle/6v2wf684p52TLvSS6>

Faculty coordinators: Dr. Mahesh Rengaraj - 9447046600
Mr. Anup Kumar T M - 8921296757

ASME
NBA
Break chain

demonstrating what makes an effective right. She briefed on material originality, material fixation, and works of authorship, compilation, collections and derivative works. Further illustration explained copyright ownership issues individual and collective work, the right of reproduction, rights to prepare derivative work, rights to distribution, rights to perform work and display publicly and limitation on exclusive rights. Plagiarism was explained in terms of academic integrity in use of thoughts, ideas, word, phrases or research of another person or source without explicit and accurate attribution. Students must insure that elements of language and argument included in their work are properly acknowledged whenever those elements appear in other sources, including the student's own previously submitted work. The webinar was concluded with vote of thanks by Dr. Mahesh Rengaraj R, Professor in Department of Mechanical Engineering.



Attendance and Feedback received from Google Form (279 responses) –

| Full Name | Name of the institute | Department | Designation |
|-----------------------|--|------------------------------|---------------------|
| Anup Kumar T M | SSET | Mechanical Engineering | Assistant Professor |
| Ajith Kumar R | SSET | ME | AP |
| Kriya Jain | Lords universal college of law | Law | Student |
| Rajnish Jindal | Symbiosis Law School, Noida | Law | Assistant Professor |
| Syeda Ruhi Abidi | Government Law College, Mumbai | Law | NA |
| Beena Puthillath | SSET | EE | Assistant Professor |
| Gopika Suresh | College Of engineering and technology Payyanur | Civil engineering | Student |
| Govind V Menon | SSET | MECHANICAL | Student |
| Kushal Lodha | JSPMs RSCOE | Electrical Engineering | Assistant Professor |
| Avni Kritika | Amity University | Amity Law School | Student |
| R. Rubala | Jeppiaar institute of technology | ECE | Assistant professor |
| K.Balamanikandasuthan | VELAMMAL INSTITUTE OF TECHNOLOGY | MECHANICAL | ASSISTANT PROFESSOR |
| Priyanka Porwal | JEMTEC SCHOOL OF LAW, GGSIPU | Law | Student |
| Deepak R Chandran | St Thomas college of engineering and technology | Mechanical | B.Tech |
| Ajay S Kumar | SSET | Mechanical Engineering | Student |
| Abid Khan | RTMNU'S PGTD OF LAW | Law | LLM Student |
| Anusha Unnikrishnan | Bhavan's N A Palkhivala Academy For Legal Studies And Research | BBA LLB | Payyannur |
| Abhirami Thirumeni T | Sree Narayana Law College, Poothotta | BBA LLB (Hons) | 10th Semester |
| Reshma R | SSET | BASIC SCIENCE AND HUMANITIES | ASST. PROFESSOR |
| Pearl Monteiro | V M Salgaocar College Of Law | Law | Assistant Professor |
| Arivukkarasu.D | GRT INSTITUTE OF ENGINEERING AND TECHNOLOGY - Tiruttani | Civil Engineering | Assistant Professor |
| Zaheer Rahim E | SSET | Mechanical Engineering | Student |
| N Rajasekharan Nair | | Law | Advocate |

| | | | |
|------------------------|---|-------------------------------|------------------------|
| Sanjana Sajeev | Sree Narayana Law College Poothotta | Law | Student |
| Mr. Ankit A Shripatwar | Reva University Bangalore | School of Legal Studies | Assistant Professor |
| Sankasani Vaishnavi | Pendekanti Law College | Law | Student |
| Tanya Sahay | Balaji Law College Savitribai Phule Pune University | Law student B.A.LL.B | 2nd year student |
| Dr. Anand Prem P K | SVCET(A), Chittoor | ECE | Assistant Professor |
| Dr Vandita Sharma | The Law School University of Jammu | The Law School | Lecturer |
| Resmi M | SSET | Basic Science and Humanities | Assistant professor |
| Gayathri K K | Universal Engineering College, Vallivattom | Electronics and Communication | Assistant Professor |
| Shruthi Manohar | School of Legal Studies, CUSAT | School of Legal Studies | Research Scholar |
| M.Muthukumar | Government Law College, Tirunelveli. | Law | Assistant Professor |
| Anushmita Pramanik | Dr.B.R Ambedkar College Of Law. Bangalore | Law | Assistant Professor |
| P. Sabari Vishnu | SSET | MECHANICAL | STUDENT |
| Pallabi Nath | NERIM Law College | LAW | BA.LLB(hons) 5th year |
| Arya R | Sree narayana law college Poothotta | LL.B | Student |
| Radhika.G | Bhagawanth university | Law | Research Scholar |
| Nuja M Unnikrishnan | SSET | Basic Science and Humanities | Asst. Professor |
| Mr. Dinesh Kumar Singh | DR. BHIMRAO AMBEDKAR UNIVERSITY, AGRA | LAW | RESEARCH SCHOLAR |
| Devi S Nair | SSET | MBA | ASSISTANT PROFESSOR |
| Priyanka Yadav | INVERTIS UNIVERSITY,BAREILLY | B.a.ll.b | Student |
| Joyeeta Roy | Indian Institute Of Legal Studies | B.B.A,LL.B | Student |
| Vishnu K B | SSET | Mechanical | Student |
| Dr. Nitin | School of Law, Maharaja Agrasen University, Baddi, Himachal Pradesh | School of Law | Associate Professor |
| Megha. R | Chennai Dr. Ambedkar Government Law College, Pudupakkam | Law | Student |
| D.Jothi Lakshmi | Chennai Dr.Ambedkar Gvt Law College Pudupakkam | B.A.,LL.B | 4th year |

| | | | |
|------------------------|--|--------------------------------------|----------------------------|
| S.Anusha | Sri Venkateswara college of Engineering and Technology | Computer science and engineering | Assistant Professor |
| Vijayalakshmi Raju | DR AMBEDKAR GLOBAL LAW INSTITUTE TIRUPATI (A.P) | LAW | BA LL.B (Honours) |
| Dr. Richa | School of Law, Maharaja Agrasen University, Baddi, HP | School of Law | Associate Professor |
| Arjun Kumar | IIMT COLLEGE OF LAW | Law | Student |
| R. Rajanandini Menon | Sree Narayana Law College, Poothotta, Ernakulam | Law | Student |
| Alisha Sharma | Jammu university | Law | Student |
| Kiran George Varghese | Sree Narayana Gurukulam College of Engineering | Naval Architecture and Ship Building | Assistant Professor |
| Ayanti Mondal | Bikash Bharati Law College, University of Calcutta | BA.LLB | Law Student |
| Miya H Das | Nehru Academy Of Law | BBA LLB | Final Year Student |
| Moon Moon Malik | N.A.GLOBAL LAW SCHOOL, BANGALORE. | LAW | ASSISTANT PROFESSOR |
| Sanjay Dey | University Law College Utkal University | LLB | Student |
| Deepthy Thomas | SSET | MBA | Student |
| Aboobakkar Siddique T | BOYS HIGHER SECONDARY SCHOOL KARUNAGAPALLY KOLLAM KERALA | 12TH (SCIENCE) | STUDENT |
| Preema T S | SSET | BASIC SCIENCE AND HUMANITIES | Asst Professor |
| Bhagya Lakshmi V K | Sree narayana law college Poothotta ernakulam | BA LLB | Final year student |
| Bhupendra Agrawal | Prestige Institute of Management, Gwalior | Department of Law | Law student |
| Anaswara Prasannan | Sree Narayana Law College, Poothotta | BBA LLB | Law student |
| Shivaranjani Sur | Tripura University | LAW | Student |
| Nimy Nirmala Aloysious | Sree Narayana law college poothotta | Law | Student |
| Saurabh Gupta | Shri Ram College of Commerce | Commerce | Assistant Professor |
| Yamuna K | Dr.B.R Ambedkar law college, bangalore | Law | Assistant professor of law |
| K.Dasaradharami Reddy | SRI VENKATESWARA COLLEGE OF ENGINEERING AND TECHNOLOGY | Computer Science and Engineering | Assistant Professor |

| | | | |
|-------------------------------------|--|--|-----------------------------|
| Jai Mani Trivedi | Institute of Legal Studies, C.S.J.M. University Campus, Kanpur | LAW (LL.M.) | Student |
| Varun Pradeep Kumar | SSET | Mechanical engineering | Student |
| Rahila. P | CET Payyannur | Civil engineering | Student |
| Gayathry Suran | Sree Narayana Law College, Poothotta | Law | Student |
| Avik Banerjee | Adamas University, Kolkata | School of Law & Justice | PhD Research Scholar |
| Retty George | SSET | ECE | Asst.Prof |
| Shibanee Acharya | SOA National Institute of Law, SOA University, Bhubaneswar, Odisha | Law | 4th year BBA LLB student |
| Mihir Umesh Inamdar | Modern Law College, Pune | Law | Student |
| Sujanaa J | ANNAMALAI UNIVERSITY | COMPUTER SCIENCE AND ENGINEERING | RESEARCH SCHOLAR |
| Drisya M | NEHRU ACADEMY OF LAW | Law | Student |
| Mr. SHUNMUGA SUNDARAKUM AR. G | GOVERNMENT LAW COLLEGE TIRUNELVELI | LAW | ASSISTANT PROFESSOR |
| Akhila Sara Gem | Cochin University of Science and Technology | School of Legal Studies | Student |
| Sreya P | College of Engineering and Technology Payyanur | Civil Engineering | Civil engineer |
| Vidya V Devan | Bharata Mata School of Legal Studies Aluva | Law | Assistant Professor |
| Raghvendra Pandey | Rama Krishna College Of Law | Law | Assistant Professor |
| C Dinakaran | Audisankara College of Engineering & Technology, Gudur | Electrical & Electronics Engineering | Assistant Professor |
| Denet Dsilva | St. Teresa's College Ernakulam | Home science | Student |
| Pravek Medhi | Gauhati University | P. G. Department of Law | Research Scholar |
| Pooja J | Chennai Dr. Ambedkar Government Law College, Pudupakkam | Law | Student |
| Athulya S | Sree Narayana Law college, Poothotta | BBA LLB | Law student |
| Amal Revi K | SSET | Mechanical Engineering | Student |
| Bidhi Singha | Indian Institute of Legal Studies | B.B.A LL.B(HONS) | Student |

| | | | |
|-----------------------|--|---|---------------------|
| Thanka Prasad V | MAVOOR GRAMA PANCHAYATH | PANCHAYATH | F T S |
| Cijo Mathew | Mar Athanasius College of Engineering | Mechanical Engineering | Assistant Professor |
| Parvathi S.Shaji | Department of Law, University of Kerala | Law | Lecturer |
| Arun Abraham | SREE NARAYANA LAW COLLEGE POOTHOTTA | BA LL.B | Final Year Student |
| Mahadev .Mj | SREE NARAYANA LAW COLLEGE POOTHOTTA , ERNAKULAM , KERALA | BBA LLB Final Year Student | Student |
| Harikrishnan N. | Thejus Engineering College | Electronics and Communication Engineering | Assistant Professor |
| Muhammed Samin | SSET | Mechanical engineering | Good |
| Sanjukta Chakraborty | Seacom Skills University | Computer Science and Engineering | Assistant Professor |
| Amit Raj | Indian institute of legal studies | BCOM LLB | Mr. |
| Ch. Vaishali Nirwal | Sardar Patel Subharti Institute of Law | Law | Student |
| Gayathry S Warriar | SSET | CSE | Assistant professor |
| Sajith E | SSET | ME | Assistant Professor |
| Meghana Pattan | kle's bca college hubballi | bca | office assist |
| Aiswarya Thambi | SREE NARAYANA LAW COLLEGE, POOTHOTTA, ERANAKULAM | BBA LLB | LLB student |
| Meenu Nixon | St Teresa's College | Home Science (food Science and Nutrition) | Student |
| Shalaka Mohana Kumar | Sree Narayana Law College, Poothotta | B.B.A LL.B | Student |
| Pagadala Bhuvana Teja | SBRTM LAW COLLEGE | LAW | Student |
| Silpa B | Sree Narayana Law College,Poothotta, Ernakulam | BA LLB | Final year student |
| Linu M | kerala law academy law college | ba llb | student |
| Rajani Devi T.R. | Morning Star Home Science College | Home Science | Assistant Professor |
| Mrs. G. Anbu Selvi | Sri krishnasamy college | Computer science | Assistant professor |
| Miya H Das | Nehru Academy Of Law | BBA LLB | Student final year |
| Savit Priya | Bihar Institute of Law | Law | Student |
| Borugadda Sandeep | ANU (State University) | Psychology | Psychologist |

| | | | |
|-------------------------------------|--|-------------------------------------|-------------------------------------|
| Umang Nalwaya | Renaissance Law College, Indore (M.P) | Law | Student |
| Sophia Cleetus | SSET | Basic Science and Humanities | Assistant Professor |
| Adv. Vaishnavi Rajkumar Kadam | Vishwakarma University | Law | Student |
| Simran Chhabra | Gautam buddha university | BA.LLB | Student |
| Sandra Pt | Sree narayana law college poothotta | LLB | Student |
| Anju George | ANJU GEORGE | Home science | |
| Anil Babu R | COURT | LEGAL | ADVOCATE |
| Pramod K B | MIT-ADT UNIVERSITY | MANET | ASSISTANT PROFESSOR |
| Varna K | COLLEGE OF ENGINEERING AND TECHNOLOGY PAYYANNUR | CIVIL | STUDENT |
| Vishnu Vijayaraghavan | SSET | Mechanical | Student |
| Akhila Dencil | Sree Narayana Law college, Poothotta, Ernakulam | B.A LL.B | Student |
| Yamuna K | Dr.B.R Ambedkar law college, bangalore | Law | Assistant professor |
| Sujith R | SSET | MECHANICAL ENGINEERING | ASSISTANT PROFESSOR |
| Dr Sanjeev Kumar Srivastava | Union Ministry of Law and Justice | Legislative Department | ILS |
| Merin Nikitha Anil | DC SCHOOL OF ARCHITECTURE & DESIGN | Architecture | Assistant Professor |
| Arshey M | SSET | Computer Science and Engineering | Assistant Professor |
| Vijayalakshmi Raju | DR AMBEDKAR GLOBAL LAW INSTITUTE TIRUPATI (A.P) | LAW | STUDENT |
| M. Sathish Rayan | GOVERNMENT LAW COLLEGE, VELLORE-632006. | LAW DEPARTMENT | ASSISTANT PROFESSOR (PRE-LAW) |
| Linu M | kerala law academy law college | ba llb | student |
| U.S Harish Prabhakar | Chennai Dr.Ambedkar Govt Law College Pudupakkam | Law B.A.,LL.B | 4th year |
| Jayanta Boruah | North-Eastern Hill University | Law | Research Scholar |
| Mr. Umesh Bhalchandra Inamdar | Sheth J N Paliwala college Pali | Department of Botany | Associate professor |

| | | | |
|---------------------|--|---|---|
| Amose P. Thomas | Research Department of Botany, St. Peter's College, Kolenchery | Botany | Research Scholar |
| Musaina K. Y | SREENARAYANA LAW COLLEGE, POOTHOTTA | BBA LLB 5(10) | STUDENT |
| Rohith M | SSET | Mechanical Engineering | Student |
| Anusha Unnikrishnan | Bhavan's N A Palkhivala Academy For Legal Studies And Research | BBA LLB | Law student |
| Surya K A | SSET | Basic Science and Humanities | Asst prof |
| Sarath Mohan | BHAVAN'S PALSAR | LAW | ASSISTANT PROFESSOR |
| Dr ARCHANA VEDANTAM | Sultan ul uloom college of Law | LAW | Student |
| Dr Savita Nayyar | University of Jammu | Law | Associate Professor |
| Anaswara Kp | College of engineering and technology payyannur | Civil engineering | Student |
| R. Suganya | Sathyabama Institute of science and technology | law | Bballb(hons) 2 nd year |
| Vikram Singh | Kurukshetra University Kurukshetra | LAW | student |
| Koshy P Joseph | SSET | AUTOMOBILE ENGINEERING | ASSISTANT PROFESSOR |
| Rahul Sanjay | SSET | Mechanical Engineering | Mr |
| Amritha Sajeev | SSET | Civil Engineering | Student |
| Dr Sreelekha Menon | SSET | Basic ascience and Humanities | Associate Professor |
| Papiya Ghosh | Asansol Bar association | Law | Advocate |
| Sunny Sharma | Himachal Pradesh University Regional Centre & School of Legal Studies ,Dharamshala | department of law | Assistant Professor |
| Mrs.S.P. Vidyassri | Saveetha School of Law, SIMATS | Law | Head of Business Law Department, Assistant Professor of Law |
| Sivapriya Sathyan | Sree Narayana Law College, poothotta | BBA LLB | Law student |
| Roshan Jebin.M.P | KMCT Law college,kuttippuram,Kerala | BBA LLB (Honours) | Student |
| Renjith P K | Toc H Institute of Science & Technology | Electronics & Communication Engineering | Assistant Professor |

| | | | |
|------------------------|---|--|-------------------------------|
| Girish P | Toc H Institute of Science and Technology | Department of Electronics | Assistant Professor |
| Alankrita Anand | Lloyd Law College | B.A LL.B | Student |
| Manjusha Umesh Inamdar | MANJUSHA UMESH INAMDAR | Marathi | Teacher |
| Rini Varghese P | MBITS, Nellimattom | Electrical and Electronics Engineering | Assistant Professor |
| Bhanu Sireesha | Gitam university | Law | Student |
| Anju George | ANJU GEORGE | Msc food science and nutrition | St Teresa's college Ernakulam |
| Hema Chikkaraddi | KLES's BCA, P C Jabin Science College, Hubballi | BCA | Assistant Professor |
| Twinkle Chouhan | Twinkle Chouhan | PIMR DEPARTMENT OF LAW | STUDENT |
| Neha Dewangan | Govt. Girls Polytechnic, Jagdalpur | ET&T | Lecturer |
| Charishma Sekhar K | DR AMBEDKAR GLOBAL LAW INSTITUTE TIRUPATI | LAW | STUDENT |
| Dr. Mini Tom | SCMS School of Engineering and Technology | Basic Science and Humanities | Professor |
| Durga Prasad Kolluru | JAYA PRAKASH NARAYAN COLLEGE OF ENGINEERING | ECE | ASSOCIATE PROFESSOR |
| Nandana. K | SreeNarayana Law College Poothotta | BA. LLB | Student |
| Hrudya J | SN Law College, Poothotta | Law | Assistant Professor |
| V. Vaitheeshwari | School of Excellence in Law (SOEL), TNDALU | B.Com.LL.B.(Hons) | Student |
| Megha Anand | High Court Jammu | High Court | Research Assistant |
| Anusree P | School of Legal Studies, CUSAT | Law | Student |
| Chitrali Behl | Guru Nanak Dev University Amritsar | Law | Student |
| Shallen S V | SREE NARAYANA GURUKULAM COLLEGE OF ENGINEERING | Mechanical Engineering | Assistant Professor |
| Satish Kumar Thakur | GOVERNMENT GIRLS POLYTECHNIC JAGDALPUR | ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING | LECTURER |
| Farzeen Rasheed Ppk | College of engineering and technology payyanur | Civil | Student |

| | | | |
|----------------------|---|---------------------------------|---|
| Chaithanya Divakaran | SN Law collage Poothotta, Ernaakulam | BBA LLB | Student |
| Vishnu H | SCMS School of Engineering and Technology | Mechanical | Assistant Professor |
| Nikhila Ann Anil | Rajiv Gandhi institute of technology | Mechanical engineering | Mtech student |
| Deepa Mary Varghese | Toc H Institute Of Science And Technology | ECE | Asst.Professor |
| Himani | DR AMBEDKAR GLOBAL LAW INSTITUTE TIRUPATI | LAW | STUDENT |
| Amal Abdulkareem | Sree Narayana Law College Poothotta, Ernakulam | BA LLB Five Year Tenth Semester | Student |
| Jissy. K | SN Law College, Poothotta | Law | Assistant Professor in Law |
| Devika PV | College of Engineering and Technology Payyanur. | Civil Engineering | College of Engineering and Technology Payyanur. |
| Nice Mariam Solomon | St Teresa's college Ernakulam | Dept of Homescience | Student |
| Avik Banerjee | School of Law & Justice, ADAMAS UNIVERSITY, KOLKATA | Law | PhD Research Scholar |
| Simi John | Bharata Mata School of Legal Studies | Law | Assistant Professor |
| Varun Pradeep Kumar | SSET | Mechanical engineering | Student |
| Urmila Sekhar | Sree Narayana Law College, Poothotta | B. A LLB | Student |
| Rifat Khan | Lovely Professional University | Law | Ph.D scholar |
| Vijitha M V | College of Engineering and Technology, Payyannur | Civil | Student |
| Chandraprabha P | SNPS POOTHOTA | PSYCHOLOGY | PSYCHOLOGIST & STUDENTS COUNCILLO R |
| B.Babu | Rathinam technical campus | Mechanical | Assistant professor |
| Vyshnavi T | College of engineering and technology payyannur | Civil | Student |
| Nidhi Kalyani | Sree Narayana Law college,Poothotta,Ernakulam | BBA LLB(hons) final year | Law student |
| Tes Thomas | Morning Star Homescience College | Homescience | Research scholar |
| Nehal Karotiya | Sree Narayana law college | BA LLB | Student |

| | | | |
|---------------------|---|---|----------------------------|
| Sam Joshy | SSET | MECHANICAL ENGINEERING | ASSISTANT PROFESSOR |
| Dhanesh.S | SSET | MECHANICAL | Assistant Professor |
| Alice Chouhan | DAVV | School of law | Student |
| Sandra Thomas | Cochin University of Science and Technology- CUSAT, Kalamassery | School of Legal Studies, CUSAT | Student- B.Com LLB (Hons.) |
| M.L.M.Prasad | JBREC | IT | ASSOCIATE PROFESSOR |
| Sadanand Pandit | Central University of Jharkhand | Department of Contemporary and Tribal Customary Law | Doctoral Candidate |
| Kavya Raj | Sree Narayana Law College, Poothotta, Ernakulam | BA.LLB | Student |
| Nikhila Ann Anil | Rajiv Gandhi institute of technology | Mechanical engineering | Mtech student |
| L Bhavani Annapurna | JAYA PRAKASH NARAYAN COLLEGE OF ENGINEERING | ECE | ASSOCIATE PROFESSOR |
| Aravind P.V. | SSET | AUTOMOBILE ENGINEERING | ASSISTANT PROFESSOR |
| Suraj R | SSET | Mechanical Engineering | Assistant Professor |
| Pundreek Sharma | Institute of Law (Jiwaji University) | Law | Guest Faculty |
| Nandana. K | SreeNarayana Law college poothotta | BA. LLB | Student |
| Jeswin K Thomas | SSET | Mechanical Engineering | Student |
| Vijitha M V | College of Engineering and Technology, Payyannur | Civil | Student |
| Anaswara Kp | COLLEGE OF ENGINEERING AND TECHNOLOGY PAYYANNUR | CIVIL | STUDENT |
| Dr.J. KAVITHA | SRM COLLEGE OF PHARMACY | Pharmaceutical Analysis | Associate Professor |
| Aswathy Mohan | Sree Narayana law college poothotta | Llb | Student |
| Pratima Soni | Amity University, Rajasthan | Amity Law School | Research scholar |
| Jeevamol M Gopi | Sree Narayana Law College | BBA LLB | LLB Student |
| Mettilda Shaji | Sree Narayana Law college, poothotta | BBA LLB (10 th semester) | BBA,LLB student |
| P Ravinder Kumar | JAYA PRAKASH NARAYAN COLLEGE OF ENGINEERING | ECE | ASSOCIATE PROFESSOR |

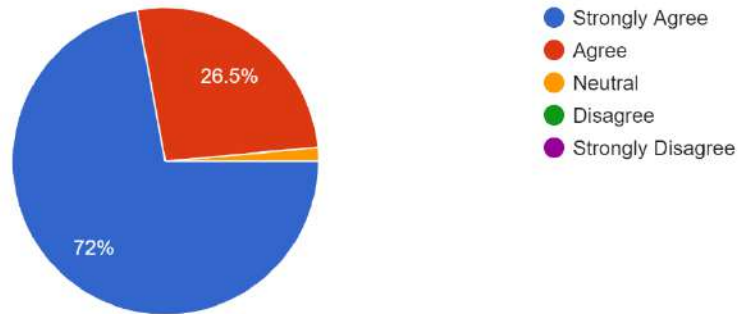
| | | | |
|---------------------------|--|-------------------------------|-------------------------------------|
| Anusree P | School of Legal Studies, CUSAT | Law | Student |
| Snigdha Srivastava | PSIT College of Law, Kanpur, U.P. | LAW | Assistant Professor |
| Vansh Chhabra | Fatima senior secondary school | Law | Student |
| Urmila Sekhar | Sree Narayana Law College, Poothotta | B. A LLB | Student |
| Bhagya Lakshmi V K | Sree narayana law college, poothotta, ernakulam | BA LLB | Final year law student |
| Rohith P K | college of engineering&technology payyanur | civil engineering | student |
| Anju George | ANJU GEORGE | Home science | St Teresa's college Ernakulam |
| Nidhi Kalyani | Sree Narayana Law college,Poothotta,Ernakulam | BBA LLB fibal year | Law student |
| Athira Pradeep | Sree Narayana Law college poothotta | BA LLB | Student |
| Dr Suneet K Srivastava | IGNOU | Law | Associate Professor |
| Urmila Sekhar | Sree Narayana Law College, Poothotta | B. A LLB | Student |
| P Ravinder Kumar | JAYA PRAKASH NARAYAN COLLEGE OF ENGINEERING | ECE | ASSOCIATE PROFESSOR |
| Nikhila Ann Anil | Rajiv Gandhi institute of technology | Mechanical engineering | Mtech student |
| Aamer | Sultan Ul Uloom College of Law | Law | Student |
| Aarya Mishra | Prestige Institute of Management and Research,Indore | Department of law | Student |
| Neelakanta | PES College of Science Art's and Commerce Mandya | Commerce | Assistant professor |
| Rishika Mahajan | Lloyd Law College, Greater Noida | B.A LL.B | Law student |
| Archana.E | ST TERESAS COLLEGE | Food science and nutrition | Student |
| Urmila Sekhar | Sree Narayana Law College, Poothotta | B. A LLB | Student |
| Archana.E | ST TERESAS COLLEGE | Food science and nutrition | Student |
| Blessy Jose | Sree Narayana Law College, Poothotta | BBA LLB | Student |
| Nikhila Ann Anil | Rajiv Gandhi institute of technology | Mechanical engineering | Mtech |

| | | | |
|------------------------------|---|----------------------------|------------------------------------|
| Archana.E | St teresas college | Food science and Nutrition | Student |
| Urmila Sekhar | Sree Narayana Law College, Poothotta | B. A LLB | Student |
| Arun M S | Scms school of engineering and technology | Mechanical | Student |
| Arivukkarasu.D | GRT INSTITUTE OF ENGINEERING AND TECHNOLOGY - Tiruttani | Civil Engineering | Assistant Professor |
| Nikhila Ann Anil | Rajiv Gandhi institute of technology | Mechanical engineering | Mtech |
| Chekuru Vani Soujanya | PENDEKANTI LAW COLLEGE | LLB | LLB STUDENT |
| Kokilambigai K S | SRM COLLEGE OF PHARMACY, SRMIST | PHARMACEUTICAL ANALYSIS | ASSOCIATE PROFESSOR |
| Urmila Sekhar | Sree narayana law college, poothotta, ernakulam | BA LLB | Final year law student |
| Aleena Mariam Gem | Saintgits college of Engineering | Computer Science | Student |
| Aleena Mariam Gem | Saintgits college of Engineering | Computer Science | Student |
| C Vani Soujanya | Pendekanti law college | Llb | Llb student |
| Urmila Sekhar | Sree Narayana Law College, Poothotta | B. A LLB | Student |
| Aleena Mariam Gem | Saintgits college of Engineering | Computer Science | Student |
| Adv. Mr. Meyyappan Kumaran S | THE TAMIL NADU DR. AMBEDKAR LAW UNIVERSITY, SCHOOL OF EXCELLENCE IN LAW | BUSINESS LAW | ADVOCATE / LLM STUDENT (2 ND YEAR) |
| Sajitha K S | Toc H Institute of Science and Technology, Arakkunnam | Department of Electronics | Assistant Professor |
| Anju George | | Home science | St Teresa's college Ernakulam |
| Sandhya P Gopal | MODEL ENGINEERING COLLEGE | Mechanical Engineering | Assistant Professor |
| Nehal Karotiya | Sree Narayana Law college | BA LLB | Student |
| A.Usha | MOHAMED SATHAK ENGINEERING COLLEGE | EEE | ASSISTANT PROFESSOR |
| Dr.R.MEIKANDA GANESH KUMAR | SYED AMMAL ENGINEERING COLLEGE | MBA | PROFESSOR |
| Chaithanya Divakaran | SN Law collage Poothotta, Ernakulam | BBA LLB | Student |
| Nandana. K | SreeNarayana Law College Poothotta | BA. LLB | Student |

| | | | |
|-------------------------------|---|----------------------------------|---------------------|
| Chaithanya Divakaran | SN Law collage Poothotta, Ernakulam | BBA LLB | Student |
| Shabeeb Kalluparambil Nowshad | SSET | Mechanical Engineering | Student |
| Aravind P.V. | SSET | Automobile Engineering | Assistant Professor |
| Shabeeb Kalluparambil Nowshad | SSET | Mechanical Engineering | Student |
| Nidhi Kalyani | Sree Narayana Law College, Poothotta, Ernakulam | BBA LLB (Hons) final year | Law student |
| Athira Pradeep | SN law collage Poothotta, Ernakulam | BA LLB | Student |
| Noel Joseph Gomez | SSET | Mechanical Engineering | Assistant Professor |
| Deepa Mary Varghese | Toc-H Institute of Science and Technology | Electronics and Communication | Assistant Professor |
| Jisha Mary John | Toc-H Institute of Science and Technology | Mathematics | Assistant Professor |
| Akshaya Chandran | SREE NARAYANA LAW COLLEGE, POOTHOTTA | BA LLB | STUDENT |
| Anil G | SSET | Library | Librarian |
| Deepu S Kumar | BHAGWANT UNIVERSITY, AJMEER, RAJASTHAN | LAW DEPARTMENT | RESEARCH SCHOLAR |
| Sonal Ayyappan | SSET | Computer Science and Engineering | Associate Professor |

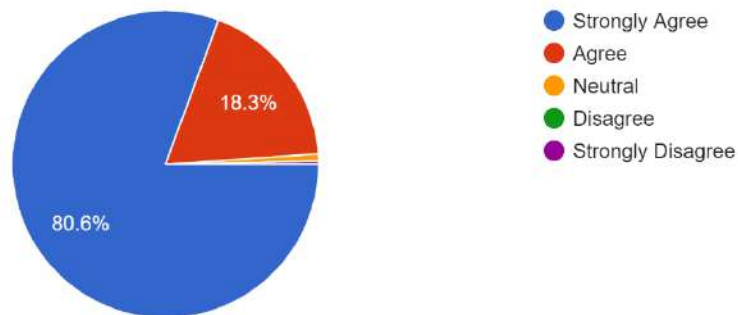
The program was well organised and structured.

279 responses



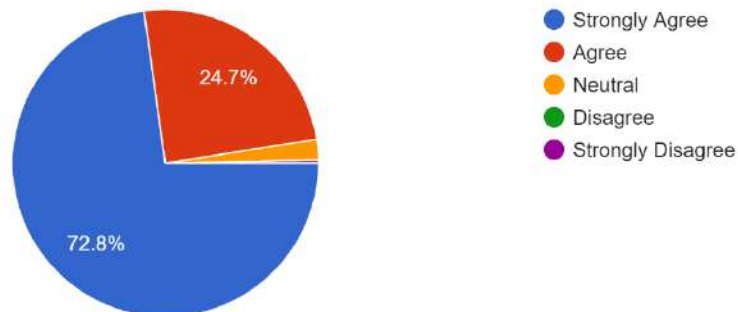
The resource person were knowledgeable, organised and effective in their presentation.

279 responses



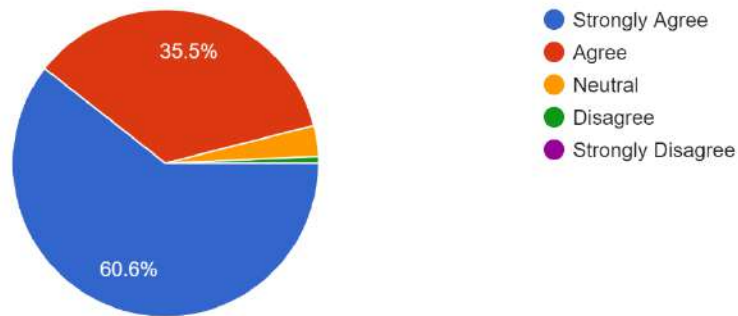
The resource person provided information useful for my career development.

279 responses



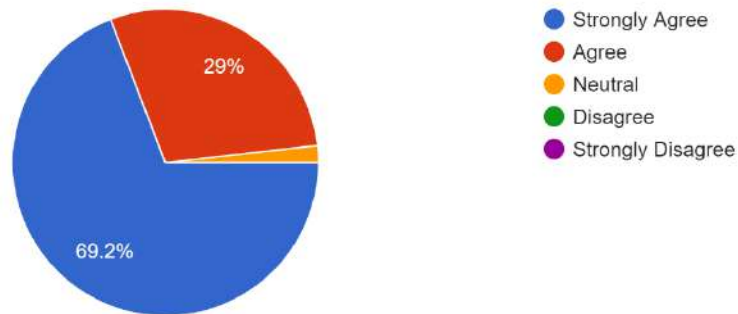
Participation and interaction of the students were encouraged during the session.

279 responses



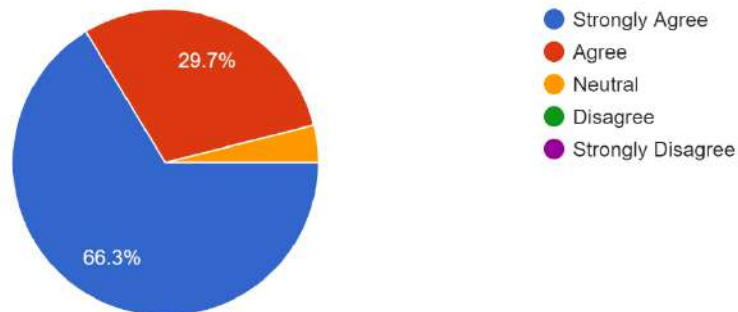
The webinar covered contents encouraging ethical principles and commitment to professional ethics and responsibilities.

279 responses



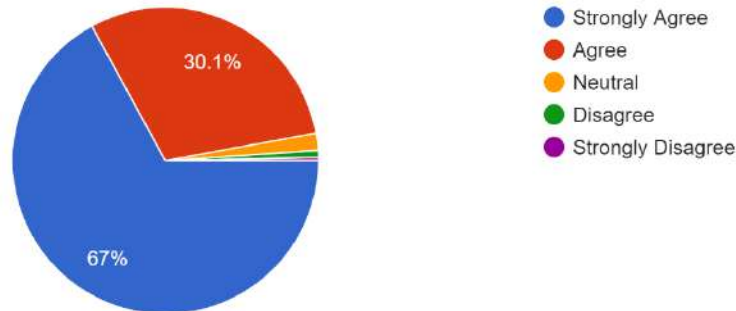
The resource person provided the contextual knowledge to assess societal and legal issues, and the consequent responsibilities relevant to the professional engineering practice.

279 responses



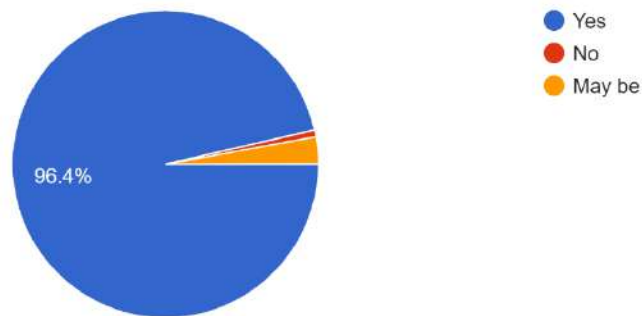
The resource person provided a platform to enhance creativity level in academic writers/research scholars when engaged in writing academic works.

279 responses



Would you like to attend similar events in the future?

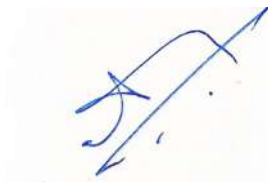
279 responses



Any other comments/suggestions/questions -

- Please provide ppt presentation of possible
- Very useful session mam quoted each and every point very elaborately
- Very valuable and I put question and it was answered by mam.. By which I get fully satisfied... Overall well organised webinar
- It's a very good session we can easily catch up all the information
- I am a final year law student. I have a paper on copyright. The webinar really helped me
- Thank you for organising such a valuable session. Would like to participate many more sessions like this.
- Although I am from law background and was aware of the IP laws including Copyright and Plagiarism, but still found this session useful.
- Very nice, simple and powerful presentation. Gave an in depth knowledge about copyright as well as plagiarism.
- It was an informative full section and very helpful
- It was much enlightening and productive session

- Proper projection of ppt wasn't there
- It's very helpful and useful session for my future I think...maa'm is very clearly explains the content with illustration..so for me it is a very informative and productive session...thank you for the organizer and maa'm
- IT WOULD BE INTERESTING IF IT INCLUDES MORE FACULTIES
- Arathi Ashok mam presented very well and it was a very useful attending this webinar she explained each and every thing which is very useful!
- Good Initiative keep going.
- A great session, informative session, thank you to all the organizer and providing the opportunity to get knowledge from the best expert.
- It was a pleasure to listen Arathi ashok mam words on the topic of copyright and plagiarism. Very thankful for sharing your immense knowledge with us mam. Very informative and intellectual session. Hope so many webinars ahead in the future. And the most essential thing I would like to share is mam has explained in such a way that the attendees will not have any queries.
- Very useful...well organized....knowledgable resource person and nice presentarion
- The duration of the webinar could be extended from 1 to 2 hours minimum so that the resource person gets more time to speak on all aspects in detail and for interaction also
- Please, organize another webinar on patent and trademark.
- Thank you to offered such an informative session and make it accessable for us.definitily my knowledge has improved and thank you once again.
- I am a final year law student and have a paper on copyright. The session was really effective
- I am a final year law student and i have a paper relating to copyright. I am glad to attend on this webinar. i am looking forward for more webinars from you.
- If the sessions was fully based on growth and benefit of law students it will be good



Joint secretary

**ARiME
Engineering**



HOD

Department of Mechanical

SCMS School of Engineering and Technology

Department of Civil Engineering

Specification: Seminar

IPR/RM/ENTERPRENEURSHIP: IPR

Seminar Topic: Importance of IPR

Date: 15th Feb, 2021

Dr. Nisha L gave a brief overview of Intellectual Property Rights (IPR) and its importance as a part of seminar organized by the Department of Civil Engineering on 15/02/2021. The session held through Google meet was attended by almost 25 participants, including students and faculty of the department. Some important points from the session are listed below:

- Intellectual Property (IP) refers to creations of the mind, such as inventions, literary and artistic works, symbols, names, images, and designs used in commerce. Intellectual Property Rights (IPRs) are legal rights that protect the creations of the mind, giving the owner exclusive rights to use, distribute, and profit from their intellectual property.

There are 4 types of IPR:

- Patents provide protection for inventions, such as new products, processes, and technologies. They give the inventor the exclusive right to produce, use, and sell the invention for a limited period, usually 20 years from the filing date.
- Copyrights protect original works of authorship, such as books, music, films, and software. They give the owner exclusive rights to reproduce, distribute, and display the work for a limited period, usually the author's lifetime plus 70 years.
- Trademarks protect brands, logos, and other distinctive signs that identify a business or its products or services. They give the owner exclusive rights to use the mark in commerce and prevent others from using similar marks that may cause confusion or dilute the brand's value.
- Trade secrets protect confidential business information, such as formulas, processes, and customer lists. They give the owner exclusive rights to use the information and prevent others from using or disclosing it without permission.

At the end of session, the participants had an interaction with the resource person.



Dr. Nisha L

Associate Professor and Head
Dept. of Civil Engineering
SCMS School of Engineering and
Technology

Importance of Intellectual Property Rights (IPR)

**15 FEB
2021**



On Google meet

*For faculty, research scholars &
M. Tech students*

Co-ordinators:

Dr. Akhila M and Ms. Merin Mathew



DEPARTMENT OF CIVIL ENGINEERING

SSET SCMS School of
Engineering & Technology

Campus: Vidya Nagar, Karukutty, Ernakulam-683576, Tel: 91 484 2882900 / 901

Dr. Nisha L is presenting

Intellectual property

- Copyright
- Industrial Property
- a. Trademarks
- b. Patent
- c. Industrial designs
- d. Confidential information
- E Geographical Indications

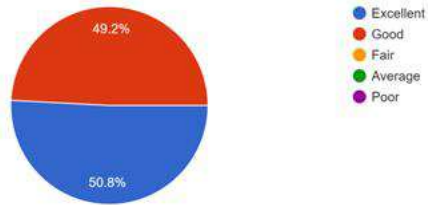
Participant list:

- You
- Meera Varghese
- Ganga Krishnan
- Dr. Nisha L
- 9 others

Seminar on Importance of IPR by Dr. Nisha L (15-02-2021)

FEEDBACK FROM PARTICIPANTS

How useful did you find the session?



Prepared by,

Dr. Akhila M

Co-ordinator

Verified by,

Dr. Nisha L

HOD, CE

SCMS School of Engineering and Technology

Department of Civil Engineering

Specification: Seminar

IPR/RM/ENTERPRENEURSHIP: RM

Seminar Topic: Research Methodology in a nutshell

Date: 10th Dec, 2020

Dr. Ratish Menon gave a brief overview of research methodology as a part of seminar organized by the Department of Civil Engineering on 10/12/2020. The session held through Google meet was attended by almost 30 participants, including students and faculty of the department. Some important points from the session are listed below:

- Research methodology is a systematic approach used to investigate a particular problem or phenomenon. It is a critical aspect of research that helps in designing and conducting research effectively. The methodology used in a research study determines the quality and reliability of the findings.
- Research design refers to the overall plan and structure of a research study. It is essential to select the appropriate research design to ensure that the study objectives are met. The research design can be classified into three categories: descriptive, exploratory, and experimental.
- Sampling refers to the selection of participants or subjects in a research study. The sample selected should be representative of the population under investigation. The two main types of sampling are probability sampling and non-probability sampling.
- Data collection is a critical aspect of research methodology. It involves gathering information from participants or sources to answer the research question. The two main types of data collection are qualitative and quantitative.
- Data analysis is the process of interpreting and making sense of the data collected. It involves identifying patterns, trends, and relationships in the data. The two main types of data analysis are qualitative and quantitative.

At the end of session, the participants had an interaction with the resource person.



Dr. Ratish Menon
Associate Professor
Dept. of Civil Engineering
SCMS School of Engineering and
Technology

Research Methodology in a nutshell



On Google meet

**10 DEC
2020**

*For faculty, research scholars &
M. Tech students*

Co-ordinators:

Dr. Akhila M and Ms. Merin Mathew



DEPARTMENT OF CIVIL ENGINEERING

SSET SCMS School of
Engineering & Technology

Campus: Vidya Nagar, Karukutty, Ernakulam-683576, Tel: 91 484 2882900 / 901

Dr. RATISH MENON is presenting

Objectives of Research

- To gain familiarity with new insights into a phenomenon
- To accurately portray the characteristics of a particular individual, group, or a situation
- To analyse the frequency with which something occurs or its association with something else.
- To examine the Hypothesis of a casual relationship between two variables

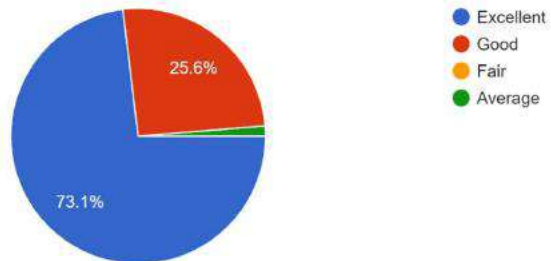
6:13 PM | Training on Geospatial Data Processing & Analysis

Participants: You, Data of Civil Department..., Amrutha S, Dr. RATISH MENON, 7 others

A glimpse of seminar on Research Methodology by Dr. Ratish Menon (10/12/2020)

FEEDBACK FROM PARTICIPANTS

How useful did you find the session?



Prepared by,

Dr. Akhila M

Co-ordinator

Verified by,

Dr. Nisha L

HOD, CE

SCMS School of Engineering and Technology
Department of Civil Engineering

Specification: Seminar

IPR/RM/ENTERPRENEURSHIP: RM

Seminar Topic: Research ideas on Reinforced soil retaining walls

Date: 30th August 2020

Dr. Jimmy Thomas, Geotechnical Consultant, initially gave a brief overview of reinforced soil retaining walls as a part of seminar organized by the Department of Civil Engineering on 30/08/2020. The session held through Google meet was attended by almost 60 participants, including students and faculty of the department. Some important points from the session are listed below:

Reinforced soil retaining walls are a popular solution for stabilizing soil slopes and retaining soil masses in a variety of civil engineering applications. They are typically constructed using a combination of compacted soil and geosynthetic reinforcement materials, such as geotextiles, geogrids, or geocells.

The basic principle of reinforced soil retaining walls is to use the tensile strength of the reinforcement materials to improve the stability and strength of the soil mass. The reinforcement materials are placed in horizontal layers between the soil layers, creating a composite structure that can resist the lateral forces exerted by the retained soil mass.

Reinforced soil retaining walls offer a number of benefits compared to traditional retaining walls, including reduced construction costs, increased flexibility in design and construction, and improved resistance to seismic and other dynamic loads. They are also more environmentally friendly, as they can be constructed using locally available materials and do not require extensive excavation or concrete pouring.

However, the use of reinforced soil retaining walls requires careful consideration of site-specific conditions, including soil properties, loading conditions, and drainage requirements. Proper design and construction are also essential to ensure the long-term effectiveness and stability of the retaining wall.



DEPARTMENT OF CIVIL ENGINEERING

SSET SCMS School of
Engineering & Technology

Campus: Vidya Nagar, Karukutty, Ernakulam-683576, Tel: 91 484 2882900 / 901



Dr. Jimmy Thomas
Consulting Engineer
(Geotechnical Engg., Geosynthetics,
Reinforced Soil Structures, Pavements)

Research ideas on Reinforced soil retaining walls

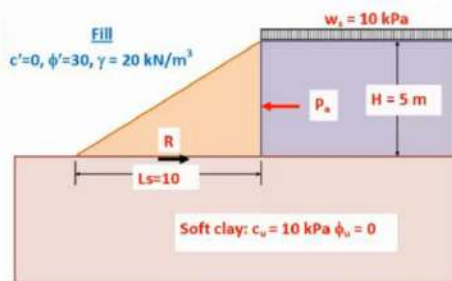


On Google meet

30 August
2020

Co-ordinator
Mr. Deeraj A D

Lateral sliding without reinforcement



$$P_s = 0.5 K_a \gamma H^2 + K_a w_s H = 100 \text{ kN}$$

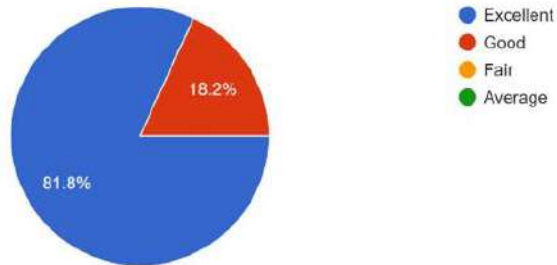
$$Q = c_u L_s = 10 * 10 = 100$$

$$\text{Factor of safety against lateral sliding} = Q/P_s = 1$$



FEEDBACK FROM PARTICIPANTS

How useful did you find the session?



Prepared by,

Mr. Deeraj A D

Co-ordinator

Verified by,

Dr. Anitha G Pillai

HOD, CE

SCMS School of Engineering and Technology
Department of Civil Engineering

Specification: Seminar

IPR/RM/ENTERPRENEURSHIP: Entrepreneurship

Seminar Topic: How to be a Geosynthetic Entrepreneur?

Date: 30th August 2020

Dr. Jimmy Thomas, Geotechnical Consultant, initially gave a brief overview of geosynthetics as a part of seminar organized by the Department of Civil Engineering on 30/08/2020. The session held through Google meet was attended by almost 60 participants, including students and faculty of the department. Some important points from the session are listed below:

Geosynthetics are synthetic materials used in geotechnical engineering applications to enhance soil performance and stability. They are typically made from polymers, such as polypropylene, polyester, or polyethylene, and are used in a wide range of applications, including roads, railways, embankments, landfills, erosion control, and coastal protection.

Geosynthetics can be classified into four main categories: geotextiles, geomembranes, geogrids, and geocomposites. Geotextiles are permeable fabrics used to filter, separate, reinforce, protect, or drain soil. Geomembranes are impermeable membranes used to contain or prevent the migration of liquids or gases in soil. Geogrids are synthetic grids used to reinforce soil, while geocomposites are composite materials that combine two or more geosynthetic materials.

Geosynthetics offer a number of benefits compared to traditional materials, including increased durability, improved performance, reduced construction time and costs, and enhanced environmental protection. They can also help to mitigate the impact of natural disasters, such as earthquakes and floods, by improving the stability of soil and reducing the risk of erosion.

However, the use of geosynthetics requires careful consideration of the site conditions, design requirements, and performance specifications. Proper installation and maintenance are also essential to ensure the long-term effectiveness of geosynthetic materials.



DEPARTMENT OF CIVIL ENGINEERING

SSET SCMS School of
Engineering & Technology

Campus: Vidya Nagar, Karukutty, Ernakulam-683576, Tel: 91 484 2882900 / 901



Dr. Jimmy Thomas
Consulting Engineer
(Geotechnical Engg., Geosynthetics,
Reinforced Soil Structures, Pavements)

How to be a Geosynthetic Entrepreneur?

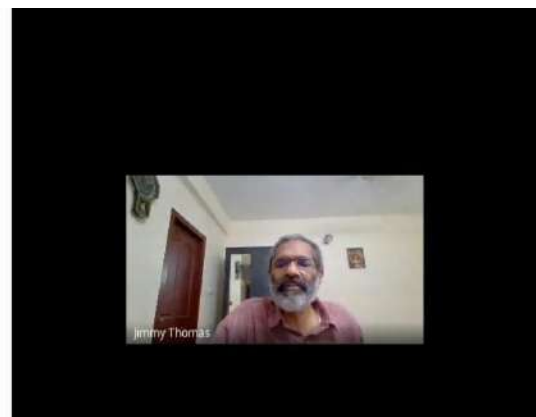


On Google meet

Co-ordinator
Mr. Deeraj A D

30 August
2020

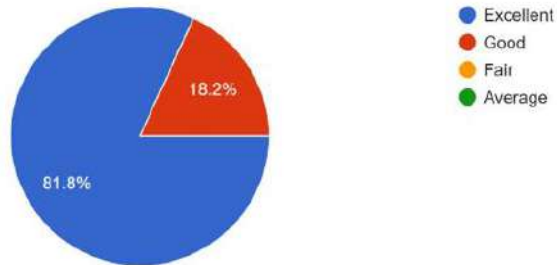
PVD – Filament Core



Glimpse of seminar by Dr. Jimmy Thomas on "How to be a Geosynthetic Entrepreneur?"

FEEDBACK FROM PARTICIPANTS

How useful did you find the session?



Prepared by,

Mr. Deeraj A D

Co-ordinator

Verified by,

Dr. Anitha G Pillai

HOD, CE

SCMS School of Engineering and Technology

Department of Civil Engineering

Specification: Seminar

IPR/RM/ENTERPRENEURSHIP: RM

Seminar Topic: Demolition of living structures – an overview of new research era

Date: 16th June 2020

The Department of Civil Engineering, SSET organised a seminar on the topic “Demolition of Living Structures” on the 16th of June 2020 by **Dr. Anil Joseph**, Managing Director, Geo-structural’s Pvt Ltd. The online session held through ZOOM platform began at 11:30am and witnessed an enthusiastic participation of about 90.

The program mainly dealt about the demolition of structures. Different ways in which demolition can be done, problems involved during and after the demolition and how to reduce or tackle the economic and environmental problems caused by it. Dr. Anil explained on the series of steps that had to be followed while performing demolition. He also pointed out the problems that would be caused out of this demolition like damage to nearby structures, damage to pipelines etc. Also he discussed on many techniques used for the demolition of structures, like progressive demolition, controlled demolition etc out of which demolition of building by implosion was considered as the most effective and efficient method of deconstruction. The demolition method was selected only after pre-demolition works such as surveying, removal of hazardous material and studying the stability analysis report.

A very detailed informative lecture on the recent demolition at Maradu, Ernakulam was delivered by him, who himself served a big role in the mission. Since he was the Structural engineer of the Project during its construction phase, he was appointed by the government to serve during its demolition. Thus, he could explain well on the challenges encountered by them during the process. Four huge apartments were ordered to be demolished for violating the Coastal Regulation Zone (CRZ) rules. All the structures were to be removed within a period of one month. With his experience at the site, he took us through every stage of the demolition, right from surveying areas to determine the fall, to installing the explosives and executing the

demolition. Anil sir gave us a very detailed idea regarding the steps that were executed during the entire course of the mission. The protection of the public like control of spectators and the containment of demolished materials from falling into the backwaters close by, which can lead to huge environmental damage and also threw light on the disposal the demolished building waste.

The webinar was very informative and was on a topic that was of a great interest to all of us. It is indeed the need of the hour to bring strong rules to prevent constructions of such structures that violate the standard laws since such illegal construction and its further demolition uses up a lot of human power, cause huge economic problems and moreover a great threat to environment. The session also had an interactive session of the participants with the resource person. Dr Anil Joseph also remarked on the responsibility of the young civil engineers to make sure such constructions are not encouraged and also to come up with innovative ideas to bring down structures that have exceeded their estimated life span.

The image shows a screenshot of a webinar presentation. The main slide is titled "Techniques for Structure Demolition" and features five photographs illustrating different demolition methods: "Conventional top down method", "Wrecking ball", "Hydraulic crusher", "Hydraulic crusher with long boom", and "Implosion". To the right of the slide is a video feed of the presenter, Dr. Anil Joseph. Further to the right is a list of participants, with 89 names visible, including Anas Palakkal, Anjali Gejan, Anshida CA, Aparna p. a, Arjan R., Arsha Johnson, Ashil Austin, Aswathy P Sudhi, Avantika, Bonney Titus, CHACKSDN THOMAS, Christeena Louis, Dampaul23, and Deeraj. At the bottom of the participant list are buttons for "Invite", "Mute All", and "Unmute All".

Seminar on "Demolition of living structures" by Dr. Anil Joseph



DEPARTMENT OF CIVIL ENGINEERING

SSET SCMS School of
Engineering & Technology

Campus: Vidya Nagar, Karukutty, Ernakulam-683576, Tel: 91 484 2882900 / 901



Dr. Anil Joseph

Managing Director
Geostructurals Pvt. Ltd.

Demolition of living structures - an overview of new research era

16 June
2020



On Zoom meeting



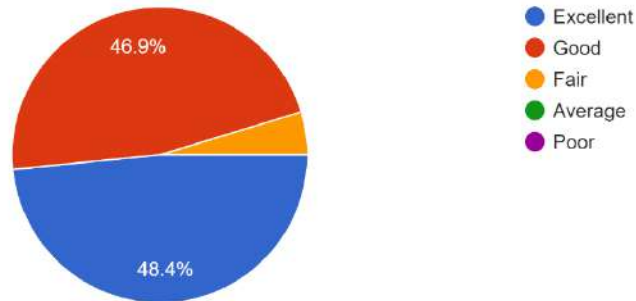
SSET Student Chapter



FEEDBACK FROM PARTICIPANTS

How useful did you find the session?

64 responses



Prepared by,

Ms. Aswini J

Co-ordinator

Verified by,

Dr. Anitha G Pillai

HOD, CE

SCMS School of Engineering and Technology

Department of Civil Engineering

Specification: Seminar

IPR/RM/ENTERPRENEURSHIP: RM

Seminar Topic: Latest research on blended cements

Date: 12th May, 2020

A seminar was organised by the Department of Civil Engineering, SCMS School of Engineering and Technology on 12th May 2020 from 11.30 am to 12.30 pm. The speaker was **Er. Sebin Jose** who is currently the Assistant General Manager, Customer Services, Zuari Cements. There were 55 participants for the webinar including students and faculty of the department of Civil Engineering. The webinar provided insights into blended cement concrete for durable corrosion free concrete structures in aggressive environments.

Webinar started with the discussion on the basic concepts of ordinary portland cement, its manufacturing process and properties. Use of different materials to be added as ingredients for manufacturing blended cements was also dealt with. A comparison of the properties of concrete with ordinary portland cement and blended cement was made. Different advantages of using blended cement in concrete were explained in detail and the discussion mainly focussed on pointing out advantages of blended cement in durability and economical aspects. Chemical reactions that contribute to the strength development in concrete using blended cement were also explained.

The session concluded with a doubt clearance session where the students got the opportunity to clear their doubts regarding the use of blended cements. The problems related to the mixing of ordinary portland cement and blended cement in construction sites was a topic of discussion.



DEPARTMENT OF CIVIL ENGINEERING

SSET SCMS School of
Engineering & Technology

Campus: Vidya Nagar, Karukutty, Ernakulam-683576, Tel: 91 484 2882900 / 901



Er. Sebin Jose

Assistant General Manager
- Customer Services



Latest research recommendations on blended cements

12 May
2020



On Zoom meeting

Co-ordinator
Ms. Aswini J



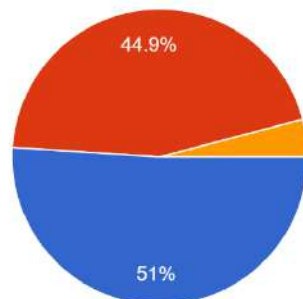
SSET Student Chapter



FEEDBACK FROM PARTICIPANTS

How useful did you find the session?

49 responses



- Excellent
- Good
- Fair
- Average
- Poor

SCMS School of Engineering and Technology

Department of Civil Engineering

Specification: Seminar

IPR/RM/ENTERPRENEURSHIP: RM

Seminar Topic: Latest research trends on bonded post-tensioned slabs

Date: 2nd May, 2020

Er. Madhu Sethumadhavan, Project Manager, Colliers International detailed on Post tension bonded systems used in bridges and buildings as a part of seminar organized by the Department of Civil Engineering on 2nd May 2020 at 3:30pm. The session held through ZOOM platform was attended by almost 25 participants, including students and faculty of the department.

The session started with an introduction to the concept of post tensioning where he discussed its principle and made a comparison of the same with conventional techniques. Post tension bonded systems are used in bridges and buildings as they allow for flat slabs eliminating the need of drop beams and increasing the span length while staying more economical than conventional systems. He also briefed on components and various types of post-tensioning. The systems of post-tensioning were well explained with figures. The advantages and disadvantages of the system was also pointed out in the webinar. The talk was quite interesting as he added certain animation videos to explain the post tensioning system.

At the end of session, the participants had an interaction with the resource person. The webinar enlightened the attendees in understanding the importance of adapting this technique in construction.



DEPARTMENT OF CIVIL ENGINEERING

SSET SCMS School of
Engineering & Technology

Campus: Vidya Nagar, Karukutty, Ernakulam-683576, Tel: 91 484 2882900 / 901



Er. Madhu Sethumadhavan

Project Manager
Colliers International

Latest research trends on bonded post-tensioned slabs

2 May
2020

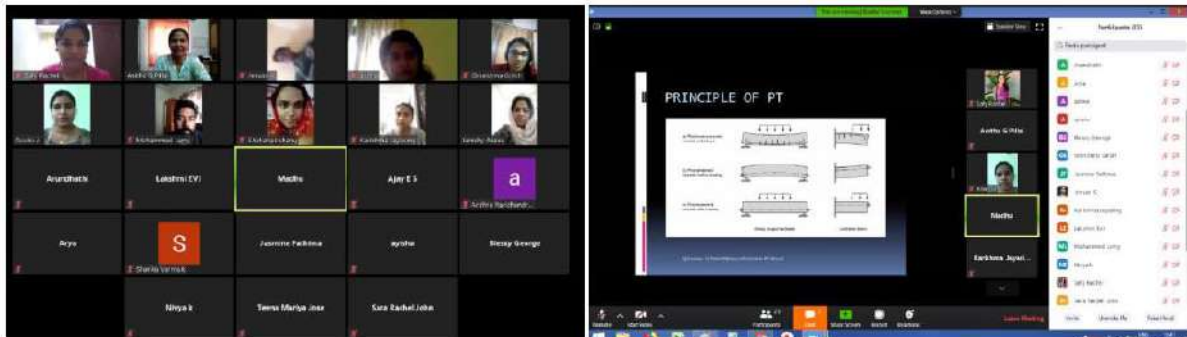


On Zoom meeting

Co-ordinator
Ms. Aswini J



SSET Student Chapter

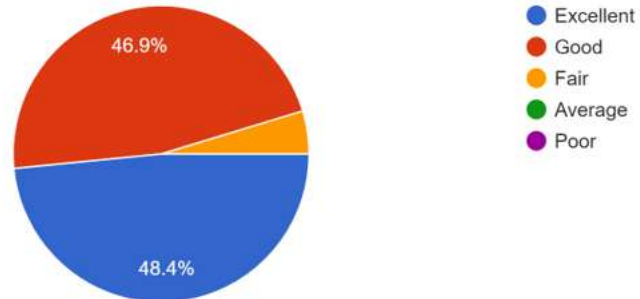


Seminar on "Latest research trends on bonded post-tensioned slabs"
by Er. Madhu Sethumadhavan (02-05-2020)

FEEDBACK FROM PARTICIPANTS

How useful did you find the session?

24 responses



Prepared by,

Ms. Aswini J

Co-ordinator

Verified by,

Dr. Anitha G Pillai

HOD, CE