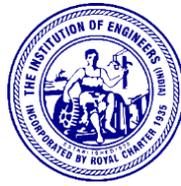




GOKARAJU RANGARAJU
Institute of Engineering & Technology
(Autonomous)

Department of Electrical & Electronics Engineering



AY
2020-21

Annual Report - Events Conducted

Vinay Kumar A
Co-Ordinator, ISTE/ IEI/ EEC



GOKARAJU RANGARAJU

INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Autonomous)



Department of Electrical & Electronics Engineering



Short Term Courses/ Workshops/ Conferences/ Seminars/ Guest Lectures arranged in AY:2020-21

Event	Title	Targetted Participants	Date	No. of Participants	Resource Person	IRG	Expenditure
International Conference	2nd International conference on Design and manufacturing aspects for sustainable energy	Faculty of GRIET, Outside faculty	10-07-2020 to 12-07-2020	100+202=302	1. Dr.L.Rama Krishna 2. Dr.V. Krishna 3.Dr.Bhi Singh 4. Dr Arvind Tiwari	585000	585000
Extra Curricular Activity	ISTE-GRIET-SB CHARACTER-ISTIC	UG Students of GRIET and other college students	17-July-20-21-July-20	10	Favourite Character in Books #Motivation	NA	NA
Extra Curricular Activity	IEI-EE Student Chapter has organised an Online Competition "Razzle Dazzle"	UG Students of GRIET and other college students	25-Jul-20	13+7=20	Online Competition- RAZZLE DAZZLE	NA	NA



Gokaraju Rangaraju Institute of Engineering & Technology (Autonomous)

Extra Curricular Activity	IEI-EE Student Chapter has organised an Online Event "Don't Judge a Book by its Cover"	UG Studens of GRIET and other college students	02-Aug-20	08+02=10	Online Event, Don't Judge a Book by its Cover	NA	NA
Workshops	ISTE-GRIET-GITHUB	UG, PG Students	09-Sep-20	30	ISTE Team Members as Tutors	NA	NA
Extra Curricular Activity	Frozen Memory(ISTE)	UG,PG students	30-Sep-20	20	Photography sent by participants	NA	NA
Guest lecture	Technological Advancements in Marine Electrical systems	Facutyof GRIET,UG Students	29-Dec-20	8+48=56	Dr. Shashidhar K.	NA	3000
Guest lecture	ISTE GRIET SB"Opprtunities and challenges for youth in current trends	Faculty and UG students	12-Jan-21	15+65=80	Dr.Vivek Modi	NA	3000
International Conference	International conference on sustainable energy and future electric Transporation	Faculty and students	21 Jan 21 to 23rd jan 21	260	Prof.David Dorrell,Prof.Fei Gao,Dr.Amit kumar,Prof. Chris Gerada	45607.11	45607.11
Webinar	Webinar on wrinting a winning research proposal	Faculty , UG students, outside GRIET	07-Apr-21	69+25+15=109	Dr.M.G.Sethuraman	NA	NA
Webinar	IEEE-Webinar on Financial Planning for Young Professionals	Faculty and UG students	31st -May-21	2+48=50	Ms.Nidhi kothari	NA	NA





Gokaraju Rangaraju Institute of Engineering & Technology (Autonomous)

Guest lecture	Electric power generation and distribution in onboard ships	Faculty and UG students	26th-june-21	3+70=73	Dr. Shashidhar K.	NA	3000
ISTE event-Quiz	Scribble Riddle	UG students, outside GRIET	26th-june-21	23+2=25	A.Vinaykumar	NA	NA

Total Events	Conducted
Industry Visits	
Guest Lectures/ Technical Talk	3
International Conference	2
National Conference	
Workshop	1
Seminar/Webinar	3
Co-curricular	
Hackathon	
Extra-curricular	4
FDP/STTP	
GRIET Achievements	





Gokaraju Rangaraju Institute of Engineering & Technology (Autonomous)

Total	13
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HOD
EEE

Co-Ordinator
ISTE/ IEI/ EEC



Department of Electrical and Electronics Engineering



1. International conference(ICMED)

DATE: 10-07-2020

Venue: Online

ICMED 2020 followed double blind review with minimum of two reviewers for each paper submitted. Care has been taken for plagiarism of all the article. Licensed plagiarism tool (Turnitin and Plagiarism Checker X) have been used and ensured each article has less than 20% plagiarism The ICMED 2020 peer-reviewed and accepted papers have been edited as conference proceedings to be published with E3S Web of Conferences (Open Access proceedings in Environment, Energy and Earth Sciences), which is indexed by Scopus, CPCI (Web of Science), Google Scholar, CAS, DOAJ, EBSCO, ProQuest and Ei Compendex. As editors of this special issue of the ICMED 2020 proceedings, we wish to express our sincere gratitude to the plenary speakers, authors, participants, reviewers, program and technical committee members, and organizing members; who have contributed in organization of the conference and publication of this special issue. With high standard and high-quality submissions and presentations in the ICMED, we are very much sure, one day ICMED will become a leading conference in this specific academic area of ‘Design and Manufacturing Aspects for Sustainable Energy’. A Total of 121 papers are published out of 230 papers received

**2nd INTERNATIONAL CONFERENCE ON
DESIGN AND MANUFACTURING ASPECTS FOR SUSTAINABLE ENERGY**
10-12 JULY 2020
Conference Report

- Conference is combinedly organized by Mechanical and EEE departments
- Received 230 papers across all the states of India and from Abroad.
- Accepted 110 papers (47% acceptance ratio)
- Received papers across all the disciplines of the engineering, especially the advanced technologies like AI, ML and Bigdata Applications in Electrical and Mechanical Engineering.
- All the accepted and presented papers will be published in E3S web of Conferences, EDP sciences – Indexed in both Scopus and WOS.
- Conference consists of
 - Inauguration
 - four Keynotes
 - 11 paper presentation sessions
- SeFeT 2021 is organized by EEE Department, Technically Co Sponsored by IEEE Hyderabad Section and IEEE IAS.

Powerful trends shaping the nature of electricity

DECARBONIZATION	DIGITIZATION	DECENTRALIZATION	ELECTRIFICATION 2.0
By 2025, RENEWABLES will represent 40% of global installed generation capacity*	EXPONENTIAL GROWTH of connected devices & smart sensors	GROWING PENETRATION of Distributed Energy Resources	ELECTRIFICATION OF ENERGY-INTENSIVE USES
IMPACT • Growing share of renewables an increasing challenge to the traditional power system model	IMPACT • Real time decision making becomes possible – new software solutions open breakthrough optimization	IMPACT • Grid users become active actors of the power system (prosumers) – growing grid complexity	IMPACT • Stop increase in electricity consumption, accelerating Decentralization

SCRATCH RESISTANT, PROTECTIVE COATINGS ON CANOPIES OF AIRCRAFTS THROUGH SOL-GEL COATINGS



Implementation methodology

Phase 1: Proof of concept on flat coupons of Su-30 grade organic glass coupons (100 mm x 100 mm) and evaluation of project effectiveness

Challenge: To cure coatings at T <90°C and yet obtain 5H scratch hardness and other properties with required optical properties

Phase 2: Demonstrate on curved coupons

Challenge: Ensuring uniform coating deposition on curved coupons

Phase 3: Establishment of facilities at IAF identified location and demonstrate on actual canopy and Transfer of Technology

Challenges: Design of suitable sol tank, dip coater and substrate holders

Sponsored by : Indian Air Force
Start Date : 26-05-2016
End Date : 19-06-2019
IPDI : 5

Accomplishments

- Dip coating technique yields better optical properties than spray coating
- Coatings conform to 22 tests in PDTS
- Qualifying tests: Optical property (transmittance, haze, angular deviation, optical distortion); bulk mechanical property (ultimate tensile strength, relative elongation during break, thermal relaxation, resistance to crack propagation, impact strength, shear strength) ; mechanical property of coatings (scratch resistance, abrasion resistance, adhesion), along with weathering resistance, water absorption, glue joint strength, crazing resistance and silver stability.



2. ISTE-GRIET-SB CHARACTER-ISTIC

DATE: 17th July-2020

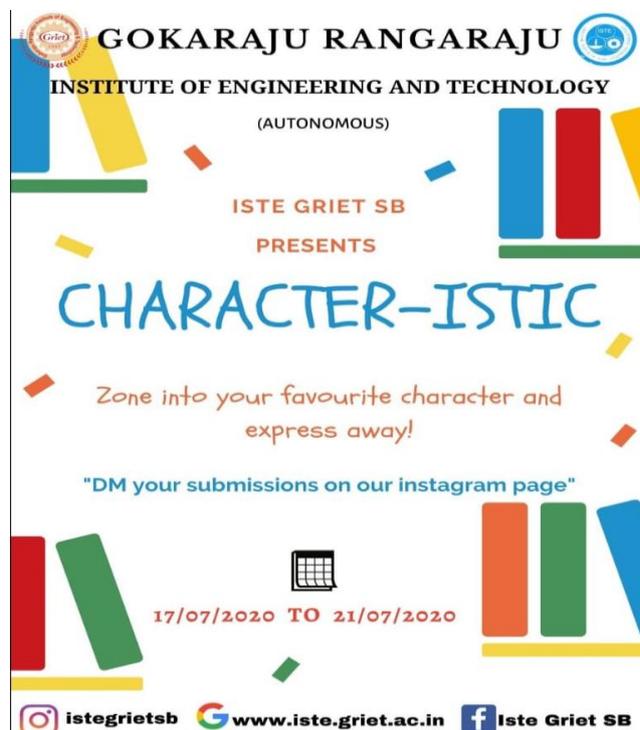
Time: 10:00 to 1:00pm

Venue: Online

The Indian Society For Technical Education (**ISTE**) of GRIET came up with yet another interesting event “CHARACTER-ISTIC” during the lockdown .With the extension of the lockdown and emphasis on social distancing rules increasing, many students have shifted to reading lot of books, watch many movies and are getting more creative with this quarantine; ISTE has come up with a 5-day literary event so that it is well-suited for all students to take part in it.

The main idea to organize such an event is to encourage more students to unleash their favourite characters from whom they’ve been immensely inspired and have created a deep niche in their heart. The 5-day event comprised of 5 genres , each a day starting from 17th July to 21st July .All the participant has to do was to send an eye-gripping ,creative image/video of their character and mention us the impact they’ve had upon them ,their similarities to that character and other facts that moved them .

Every morning at 8:00am a new genre was released along with an example post on the Instagram page (**istegrietsb**), so that it would be easy for the participant to navigate through. The winner will be declared at the end of the contest.





3. RAZZLE DAZZLE

DATE: 17th July-2020

Time: 10:00 to 1:00pm

Venue: Online

Gokaraju Rangaraju institute of Engineering and technology, Department of Electrical and electronics Engineering, IEI-EE has organised an online-Extracurricular activity in amid Covid-19 The event was held in online, an event is about collection of video clips which is broadly encompasses to put the imagination and creative things like cooking, Home workout, programming skills, art work, project work, mimicry, comedy, collection of unique things , photography, pet animals with some skills and anything which may be considered as talent which can be share with society infront of camera. All participants were actively participated in the RAZZLE DAZZLE.

The poster is a dark teal color with white and yellow text. At the top, it features the Gokaraju Rangaraju Institute of Engineering & Technology logo on the left and the IEI logo on the right. The main title 'RAZZLE DAZZLE' is in large, bold, white letters. Below it, the subtitle 'A SHORT VIDEO MAKING COMPETITION' is in smaller white letters. The rules are listed in white text on the left side. On the right side, there is a white box with the text 'BORED IN QUARANTINE? WE HAVE GOT SOMETHING INTERESTING FOR YOU!' and a 'STAY HOME STAY SAFE' banner. At the bottom, contact information is provided, including a WhatsApp number and an email address. Social media handles for Instagram and Facebook are also listed.

GOKARAJU RANGARAJU
INSTITUTE OF ENGINEERING & TECHNOLOGY

IEI_GRIET_EE PRESENTS

RAZZLE DAZZLE

A SHORT VIDEO MAKING COMPETITION

1. Record a short video of any of the following :

- ✓ Meditation ✓ Yoga ✓ Home workout
- ✓ Cooking ✓ Mimicry ✓ Comedy ✓ Collection of unique things ✓ Pet animals with some skills
- ✓ Art work ✓ Project work ✓ Programming skills
- ✓ Or Any kind of talent/skills you possess.

2. Send it on whatsapp or mail us.

Note that the maximum length of the video accepted is 5 minutes only.
(Faculties can also participate)

Send your work between 20th july, 2020 to 25th july, 2020 with your details at

WhatsApp : 9550541079
danishumer999@gmail.com

**BORED IN QUARANTINE?
WE HAVE GOT SOMETHING INTERESTING FOR YOU!**

STAY HOME STAY SAFE

FOR ANY QUERIES CONTACT
DANISH 8328293967
ALEKHYA 7995340167
Follow us on
@iei_griet_ee_studentchapter



4. Don't Judge a Book by its Cover

DATE: 29thth July-2020

Time: 10:00 to 1:00pm

Venue: Online

Gokaraju Rangaraju institute of Engineering and technology, Department of Electrical and electronics Engineering, IEI-EE has organised an online-Extracurricular Activity on a topic Don't Judge a Books by its Cover in amid Covid-19. The event broadly encompasses to put the inspiration and learnt lessons from experiences in the past like people gone through some incidents in their life where they actually thought of something but it happened something else so that learnt a great lesson. which can be share with society infront of camera. . All participants were actively participated in the Don't Judge a Book by its Cover.

GOKARAJU RANGARAJU
INSTITUTE OF ENGINEERING AND TECHNOLOGY
IEI-GRIET-EE-STUDENT CHAPTER
PRESENTS

Don't judge a book by its cover

Everyone has gone through some incident in our life which gave you a lesson.

Where you actually thought something but it happened something else.

Just Share your story by recording it infront of camera on whatsapp.

iei-griet-ee-studentchapter 29/07/2020 TO 02/08/2020
 9550541079



5. ISTE-GRIET-GITHUB

DATE: 9th sept-2020

Time: 10:00 to 1:00pm

Venue: Online

The Indian Society for Technical Education (**ISTE**) of GRIET has come up with an innovative community called the ISTE-GRIET-GITHUB which is also called as ISTE GITHUB ORGANIZATION. It is an initiative by ISTE SB to get students started on their very own GitHub repository. It is also helpful in building projects and also provide development courses such as full stack app development.

This course would proceed with 4 sessions a week. This covers everything you need to know and experience in that particular field from absolute zero knowledge to practical skills that will allow us to create many strong projects.

This program includes three courses, the first is “Introduction to git and GitHub” as it gives complete working of git and GitHub.

The second course is “Introduction to full stack development”, in which we can learn complete full stack using HTML, CSS, nodeJS and mongo DB. It will also help us to develop personal website it will be helpful in our professional life. The third course is “App development using flutter”, in this we will learn all the basics of flutter and dart. We can also learn flutter for web and a flutter app from scratch.

This Program intake was of 30 students, these students were provided with web links of various tips of learning technologies. The recorded classes were posted in our youtube channel which will help other students also to go through the videos and gain knowledge.

This program has helped students to connect with modern technologies and build new projects by learning freely and efficiently.



GOKARAJU RANGARAJU
INSTITUTE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)

ISTE GRIET SB
Presents...

Iste- Griet- GitHub

GitHub

A GITHUB organization for GRIET students.

istegrietsb www.iste.griet.ac.in Iste Griet





6.The Frozen Memory

DATE: 30th sept-2020

Time: 10:00 to 1:00pm

Venue: Online

The Indian Society for Technical Education (**ISTE**) of GRIET conducted an online photography event, “The Frozen Memory”, from 30th September 2020 to 6th October 2020. The idea of the event is to bring everyone together to relive those beautiful memories captured only in frames, in the days of isolation share their experiences with one another. We asked the participants to capture their favourite scenes by taking inspiration from the matter. The seven-day event started on 30th September 2020. Different student bodies and several individuals actively participated by sharing their pictures and narrating the story behind them. Each story was unique and attractive. The event was concluded on 6th October 2020 and also the winner was declared. The winner is the one who photograph had the most number of likes on our Instagram page @FrozenMemory

ISTE GRIET SB
PRESENTS...

THE FROZEN MEMORY

Share us your thoughts/memories along with the snap and tag your friends.

DM your entries to our dedicated instagram page
- @the_frozen_memory

THE LAST DATE TO SEND YOUR ENTRIES 06/10/2020

 istegrietsb  www.iste.griet.ac.in  Iste Griet SB





7. Technological Advancements in Marine Electrical Systems

DATE: 29th Dec-2020

Time: 10:00 to 1:00pm

Venue: Online

The student body of the Indian Institute of Engineers (India){IEI} of Gokaraju Rangaraju institute of engineering and technology(GRIET) organized a guest lecture by IEI on “Technological Advancements In Marine Electrical Systems” on 29th December held online. The guest speaker was Dr. Shashidhar kasthala The event was started with a welcome address by Mr. Vinay Kumar sir, later he requested Mr. Shashidhar kasthala to deliver the lecture.

Mr. Shashidhar Kasthala expressed his gratitude for being there among students and introduce himself and started his lecture. He elaborated about the marine electrical system and he discussed the power system structure, ship electrical layout, power generation on ships, objectives of a good propulsion system like mechanical propulsion, electrical propulsion, and hybrid propulsion, power distribution system on ships(Zonal distribution system), the ungrounding system in power distribution, cable insulation monitoring. He also came up with the power system protection. And he also discussed the generator to low distribution and protection, environmental concerns of the ship, zero-carbon fuels for shipping. He also explained how we come up with the problems of effects voltage sag on loads. He concluded his lecture by clarifying the queries of students.



Department of Electrical & Electronics Engineering

IEI-EE presents a Guest Lecture on

“Technological Advancements in Marine Electrical systems”

Time: 10:00 AM to 11:15 AM
Venue: *Online through google meet.

By
Dr. Shashidhar K.
Assistant Professor & HOD (EPS)
Indian Naval Academy,
Ministry of Defence,
Ezhimala, Kerala.

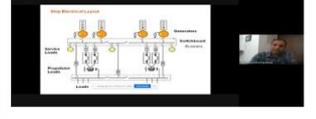
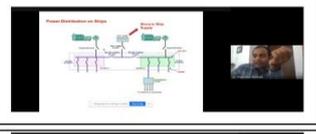
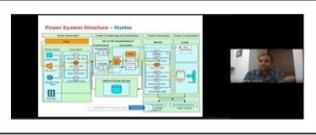


Department of Electrical & Electronics Engineering

IEI-EE has organised a Guest Lecture on 29th Dec 2020

“Technological Advancements in Marine Electrical systems”

By
Dr. Shashidhar K.
Assistant Professor & HOD (EPS) Indian Naval Academy,
Ministry of Defence,
Ezhimala, Kerala.





8. Opprtunities and challenges for youth in current trends

DATE: 12th Jan-2021

Time: 10:00 to 1:00pm

Venue: Online

Indian Society for Technical Education (ISTE) organized an Online Guest Lecture on "Opportunities and Challenges for youth in current trends" on 12th January 2021 from 10:00 AM to 11:00AM in association with Electrical and Electronics Engineering. The guest speaker was Dr. Vivek Modi, M.B.B.S, R.G.D.H.A and the most dynamic and ardent spokesperson, Wellness Educator, Hyderabad. Sir gave his introduction and started the session by interacting with the students about Opportunities and Challenges. He explained how Challenges and Opportunities are important part of growing and developing ourselves. He also explained that by avoiding the Challenges we don't have the opportunities to learn about ourselves. He mentioned that "New challenges are opportunities for us". Sir shared his experiences and wealth of knowledge which provided abundant insights to the students.

We then had an interaction session where students posted their queries. He explained them to the students with huge interest and enthusiasm. The whole session was interactive and about 80 students attended the lecture for understanding the importance of Opportunities and Challenging

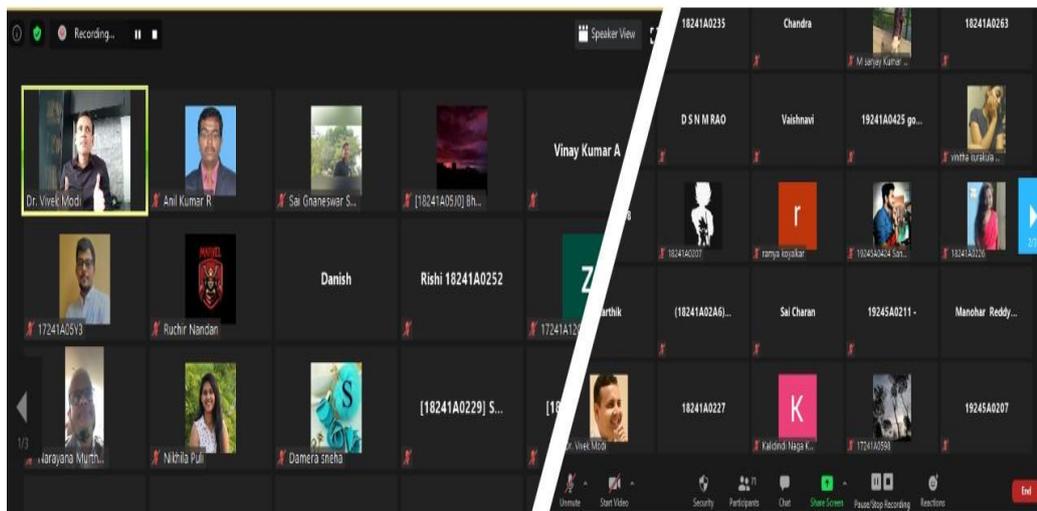
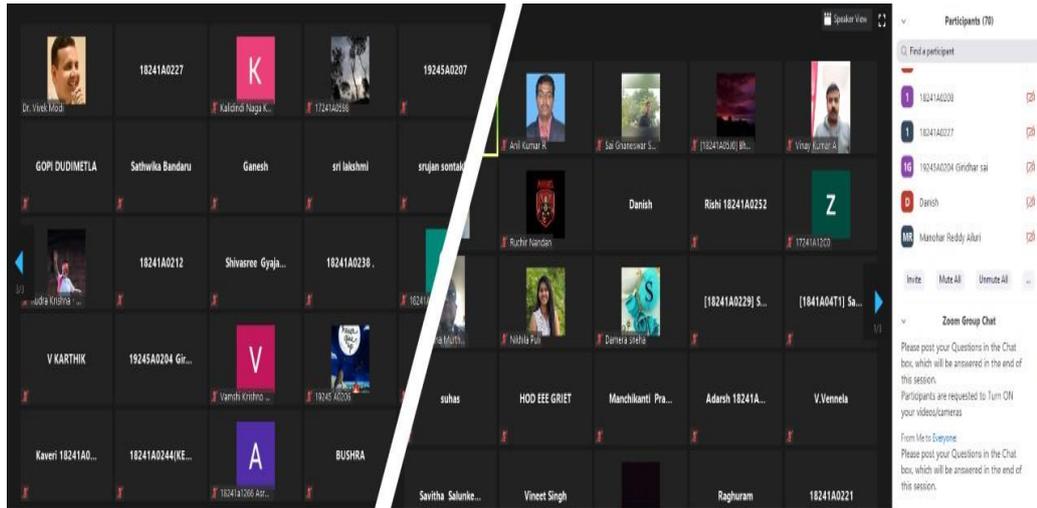
ISTE-GRIET-SB has organized an Invited talk
"Opportunities and Challenges for Youth in current trends"
On 12 Jan 2021

By
Dr. Vivek Modi.

12th January 2021
On the eve of Birth Anniversary of Shri Swami Vivekananda celebrated as National Youth Day



Gokaraju Rangaraju Institute of Engineering & Technology (Autonomous)





9. International Conference

DATE: 21 Jan 21 to 23rd Jan 21

Time: 10:00 to 4:00pm

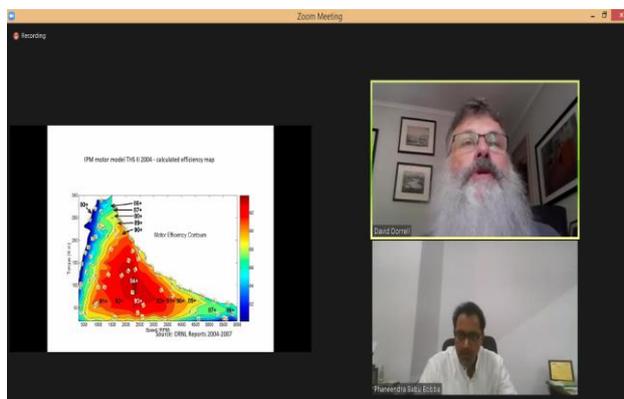
Venue: Online

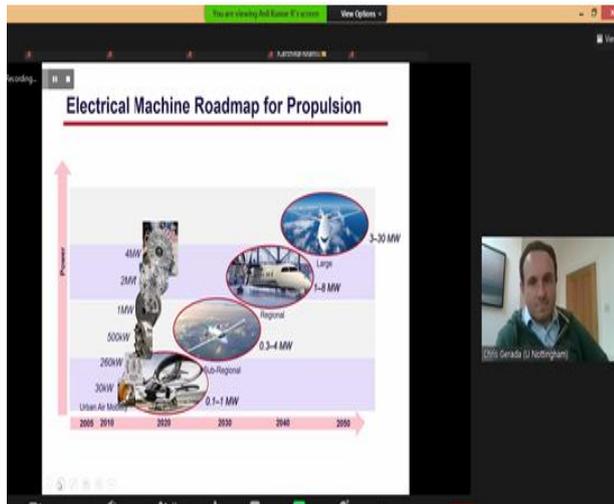
The program features special industry sessions to bring our academic and industry community together. SeFeT 2021 is technically co-sponsored by the IEEE Industry Applications Society (IAS) and IEEE Hyderabad section.

The conference offers multidisciplinary and cutting-edge technologies in the array of topics ranging from advanced machines for electric transportation, battery chargers, wide-bandgap power devices and machine diagnosis, to name a few. The content presented is curated to provide in-depth exposure to the latest breakthrough research in the field of sustainable energy for advanced electric transportation.

Our program includes peer-reviewed technical presentations, industry sessions as well as keynotes. This mixture creates a highly interactive learning and networking environment with a multitude of opportunities for exchanging beyond-state-of-the-art knowledge and ideas on electric transportation technologies. As SeFeT 2021, will take place on an entirely virtual platform, we look forward to your participation to ensure we have lively interaction and discussion.

The conference has received a total of 300+ full paper submissions from 14 countries. After a rigorous peer review and scheduling process, 138 papers have been scheduled for oral presentation. Special thanks are extended to our technical track chairs and co-chairs who managed and organized the review process to identify the best papers for SeFeT 2021. On average, each submission received over 2 reviews. With the help of technical programme committee and track chairs all paper decisions are made. Finally, we have the participation from industry, academia, and research institutions from India and Abroad.





10. Webinar on Writing a Winning Research Proposal

DATE: 7th April 2021

Time: 10:00 to 4:00pm

Venue: Online

IEEE GRIET SB Women In Engineering(WIE) AG, in collaboration with the Education Society of IEEE Hyderabad Section has organised a webinar on “Writing a winning Research Proposal” by Dr. M.G Sethuraman. The webinar was held using the online platform Cisco Webex Meetings. The goal of a research proposal is to present and justify a research idea that one has and to present the practical ways in which the research should be conducted. The webinar started off with Mr. M.G Sethuraman educating the attendees about the purpose of a research proposal and the value they hold in building innovation to bring modern solutions to present and future problems. He explained the significance of Research proposals and their effectiveness in transforming ideas into reality. Nextly, he introduced students to the statutory body: Science and Education Research Board (SERB). This Government of India establishment, aims to build up best management systems which would match the best global practices in the area of promotion and funding of basic research. He detailed to the students about the various schemes offered by SERB that support research funding and explained to students how to avail this opportunity. He also mentioned major fundamental thrust schemes that are majorly funded for research. These include, basic science, Applied and interdisciplinary sciences, humanities and social sciences, computational and mathematical sciences and Earth ,environmental sciences. Dr. M G Sethuraman, stressed on the fact that a research proposal needs to be original, valid and good for it to be persuasive for the granter to fund the project. He detailed the significant elements that a research proposal should consist of like title,Executive Summary,Budget,funder e.t.c . Apart from this he mentioned various funding agencies and numerous funding opportunities available for the interest of students



11. Webinar on Financial Planning for Young Professionals

DATE: 31st May 2021

Time: 10:00 to 4:00pm

Venue: Online

IEEE GRIET SB WIE AG in collaboration with HERMONEYTALKS and BSE INDIA conducted a webinar on ‘Financial Planning for Young Professionals’. The session was a financial awareness program for undergraduate students. She described the current mindset and awareness of youth regarding thematters of finance and emphasized the need to be financially aware from an early age. She also shared the best means to invest and mentioned their different return rates. The benefits and process of investing in EQUITY shares was also dealt. Nextly, Ms. Nidhibriefed the concept of capital market and highlighted the benefits ofengaging in capital markets and the security terms of investments Security Exchange Board of India (SEBI) and their roles werediscussed in detail. The session was concluded with a Q and A session wherein students actively asked doubts on investing loans , stock markets ,cryptocurrency e.t.c. The webinar was informative and interactive at all times and kept the audience engaged throughout.



12. Electrical power generation and distribution in Onboard Ships

DATE: 26th June 2021

Time: 10:00 to 4:00pm

Venue: Online

The student body of the Indian Institute of Engineers (India){IEI} of Gokaraju Rangaraju institute of engineering and technology (GRIET) organized a guest lecture by IEI on “Electrical power generation and distribution in Onboard Ships” on 26th June 2021 held online. The guest speaker was Dr. Shashidhar kasthala The event was started with a welcome address by Mr. Vinay Kumar sir and spoke a few words about him and introduced the topic of lecture and it’s importance, later he requested Mr. Shashidhar kasthala to deliver the lecture.



Gokaraju Rangaraju Institute of Engineering & Technology (Autonomous)

Mr. Shashidhar Kasthala expressed his gratitude for being there among students and introduced himself and started his lecture. He elaborated about the Onboard ships which is based on terrestrial power plants and different types of ships like Tugboat, Oil tanker, Multipurpose ship, Yacht, submarine and Battleship. The usage of nuclear power in the Marine Systems, power distribution system on ships (Zonal distribution system), the ungrounding system in power distribution, cable insulation monitoring. He also came up with the power system protection. And he also discussed the generator to low distribution and protection, environmental concerns of the ship, zero-carbon fuels for shipping. He also explained how we come up with the problems of effects voltage sag on loads. He shared the knowledge like testing of high resistance earthing undergrounded system, static frequency converter is used nowadays to convert different frequencies to required frequencies, three phase AC type generator is used in marine ships for power generation, The length of the destroyer is about 510feets and The Frigate is the war ship which is used to battle against enemy ships. Then he concluded his lecture by clarifying the queries of students.

The image displays a presentation slide and a Zoom meeting interface. The slide, titled "Electrical Power generation and distribution in On-board Ships", is presented by Dr. Shashidhar K., Assistant Professor & HOD (EPS) at the Indian Naval Academy, Ministry of Defence, Ezhimala, Kerala. It features illustrations of various ship types: Battleship, Container ship, Passenger vessel, Yacht, Tugboat, Submarine, Multipurpose ship, and Oil tanker. The Zoom interface shows a meeting titled "EEE - III - Mini Project with Seminar1 - 024he" with a grid of participants and a "People" list on the right.





13. Scribble Riddle

DATE: 26th June 2021

Time: 10:00 to 4:00pm

Venue: Online

The event started with an introduction and splitting of teams. The event started at 04:00 PM in google meet which was attended by 25 participants. We started the event by splitting each team into scribblers and riddlers. Scribblers were asked the technical questions one by one then the teams who answered were given a chance to draw. Riddlers guessed the answers with huge interest and enthusiasm which made the whole event joyful and interactive. We ended the event with the declaration of the winning team and a vote of thanks.

