

SKCET



Buzz

30th October to 3rd November, 2021



e – Academia Special Issue: 86

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HACKATHON ACCOLADES



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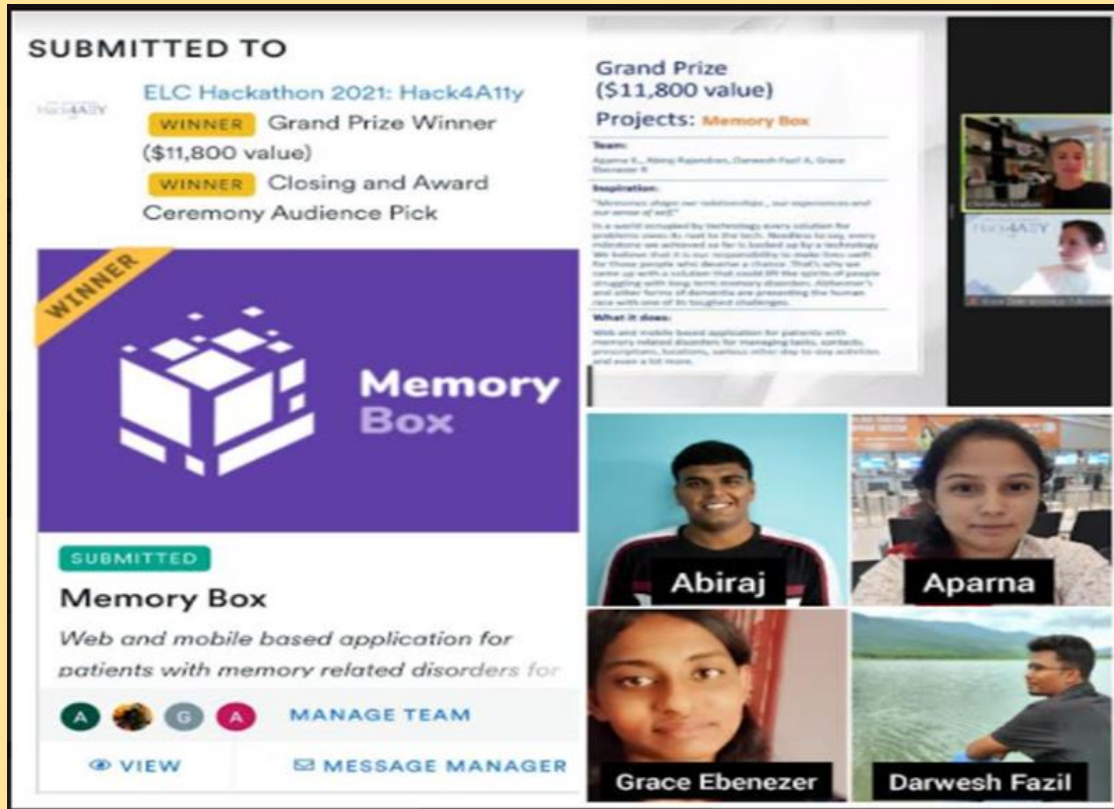


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CSE | ELC VIRTUAL HACKATHON 2021: HACK4A11Y



Student's team AGADA from Third year CSE has won First Prize Worth \$11800, Swag Packs and Audience Pick Award in the "ELC Virtual Hackathon 2021: Hack4A11y" organized by the Estée Lauder Group of Companies.

Project Name: Memory Box

Team Members:

- Abiraj R - III CSE
- Aparna K - III CSE
- DarweshFazil A - III CSE
- Grace Ebenezer R - III CSE

Mentors:

- Ms. Rohini M - AP/CSE
- Ms. Gowthamani R - AP/CSE

IT | DEEP VISION TECH AI

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DEPT. OF MECHATRONICS ENGINEERING

Certificate for securing Second Place **TOPIC:** Chatbot with Customizable Voice

This Certificate is awarded to
Vikashini K. (20EUIT165)
of team Tech Tycoons
for winning Second Place in
'AI For Social Good' Hackathon Oct '21

Dr. J. Janet
Principal, SKCET,
Coimbatore,
Tamil Nadu

Dr. M. Lydia
HoD of MCT, SKCET,
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Tamil Nadu

Mr. M. Jayasudan
Founder & CEO,
DeepVisionTech Pvt. Ltd.,
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Vishal V. R. (20EUIT166)
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Sadhashivam T. (20EUIT123)
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Certificate for securing **Second Place** TOPIC: Chatbot with Customizable Voice

This Certificate is awarded to
Satheesh Kumar G. J. (20EUIT135)
of team **Tech Tycoons**
for winning Second Place in
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Student team from **Second** year **IT** have won **Second** place in “**AI for Social Good**” Hackathon Oct'21 organized by Deep Vision Tech, Bangalore. The team has also been provided with an internship offer.

Project Title: Safe All

Team Members:

- ❖ Sadhashivam T(II IT)
- ❖ Satheeshkumar G J(II IT)
- ❖ Sidharth P (II IT)
- ❖ Vikashini K(II IT)
- ❖ Vishal V R(II IT)

Mentor:

Ms.R.Janani, AP/IT



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STUDENTS PROGRESSION



CIVIL | OPEN INNOVATION CHALLENGE

S.No	Team Name	Name of the Member 1	Institute Name	Title of the Project	Title of the Award
6	ZEROS ONES	1. SANDEESH S 2. SANTHANU M	SRI RAMAKRISHNA ENGINEERING COLLEGE COIMBATORE	VIRTUAL MOUSE	BEST PROTOTYPE
7	APATKAAL VAAHAN MARG	1. CHEVVU VENKATA SUJITH KUMAR REDDY 2. SUDA VENKATA RAGHAVENDRA 3. UGRAPU MAHENDRA	VEL TECH RANGARAJAN DR.SAGUNTHALA R&D INSTITUTE OF SCIENCE AND TECHNOLOGY	SMART WAY FOR EMERGENCY VEHICLES WITH ANDROID APPLICATION	BEST SCALABILITY INNOVATION
8	ALPHA	1. M SUBHIKSHA 2. S RAMADEVI 3. P SUBBITHA	SRM EASWARI ENGINEERING COLLEGE	SMART ALBUS	BEST TEAM WORK
9	CHALLENGERS	1. ABINAYA K 2. TAMILSELVAN R P 3. ADLIN RINO M	SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY	LOW COST WATER PURIFIER	BEST VIDEO MAKING
10	SPIKEY SPARK	1. SURESH DHARSHINI G 2. DARINI SRI S 3. MYTHILI PRIYA VARSHINI A	HOLY CROSS COLLEGE	FAULT IDENTIFICATION SYSTEM	INNOVATION WITH IP

CH's screen

K.Abinaya, R.P.Tamil Selvan and M.Aldin Rino, students of Final year **Civil Engineering** Department have received **Best Video Making award** with a cash price of Rs. 4000/- for making a video on Low Cost Water Purifier in the event “**Open Innovation Challenge**” conducted by VelTech, Chennai. The team was mentored by **Mr.V.Yogeshwaran**, Assistant Professor, **Civil Engineering**.

IT | PROJECT PROTOTYPES EVENT

IEEE SB GVPCE(A)
congratulates
PROJECT PROTOTYPES WINNERS

WINNER #1 Theme: Education
Topic: Artificial Enhanced Window

Jetti Sai Neeraj **K.K.S.Kesava** **G. Narendra**

WINNER #2 Theme: Environment
Topic : Global warming and it's adverse effects

SALIHUNDAM NITHIN

WINNER #3 Theme:Accessibility
Topic: Digital accessibility

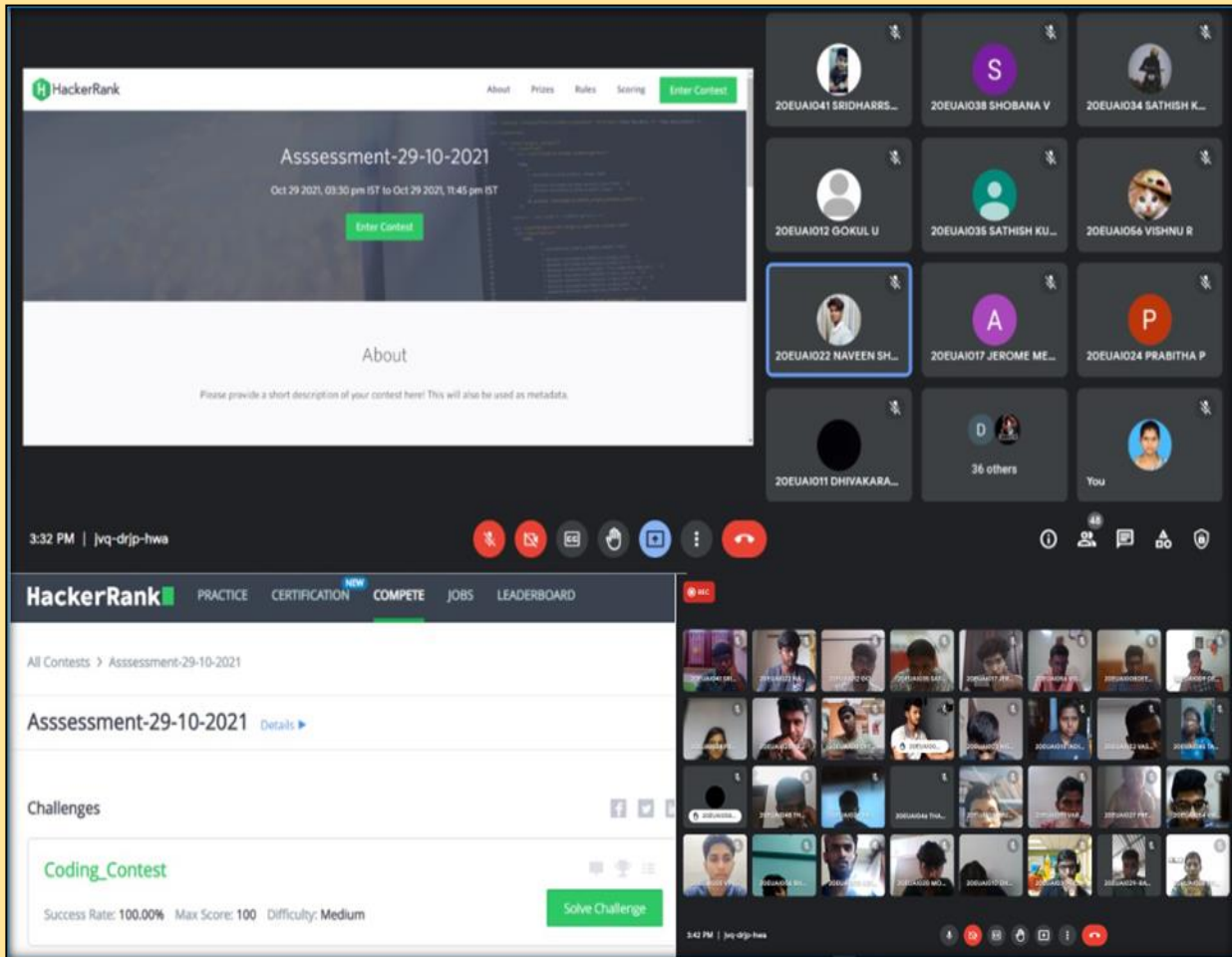
Dhaanyasri Akshika. K **Christy Mownica. A**

ieeesbgvpce.org



Christy Mownica A and Dhaanyasri Akshika K, students of Second year IT have secured Third place in the “Project Prototypes Event” organized by IEEE Student Branch of GVP College of Engineering, Andhra Pradesh. The team was mentored by Dr.Barakkath Nisha, Assistant Professor, IT.

AI&DS | ONLINE CODING CONTEST - 2021



Department of AI & DS conducted an eight hour online coding contest in Java for the **Second** year AI & DS students on October 29th 2021 via **Hackerrank** online coding platform.

NAME	PRIZE
Moulidharan N	I
Dhivakaran V R	II
Indira Chetty B	III

CIVIL | VIRTUAL INTERNSHIP



BUILDERS' ASSOCIATION OF INDIA
COIMBATORE CENTRE

Cordially invite you to attend
Seventh Regular Meeting of our centre for the year 2021 - 2022

Guest Speaker
Er. B. Palanivel, D.C.E., MBA, B.L.,
BAI - State DTCP Committee Chairman

Topic : Latest Town Planning Amendment and Discussion

Date & Time :
28.10.2021, Thursday | 6:30 p.m
Venue :
Jenny's Residency | Avinashi Road, Coimbatore.

K. PANNEER SELVAM, Chairman
C. LAKSHMANAN, Secretary
L. JOSEPH, Treasurer



75 students from the Department of **Civil Engineering** have completed an online Virtual Internship organised by **Builders Association of India**. The virtual internship was conducted for 15 days from 26th July to 8th August, 2021.



EVENTS



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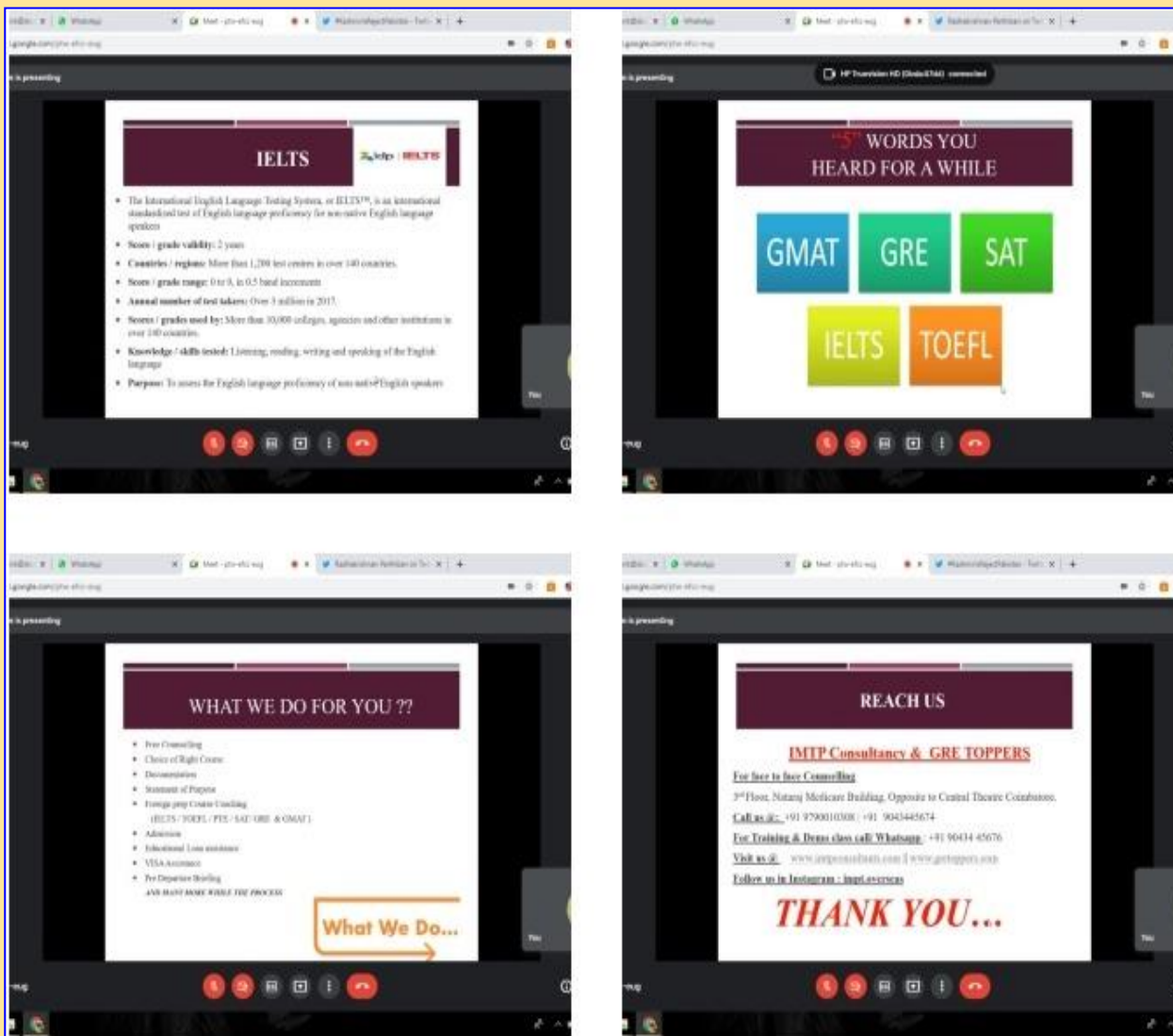


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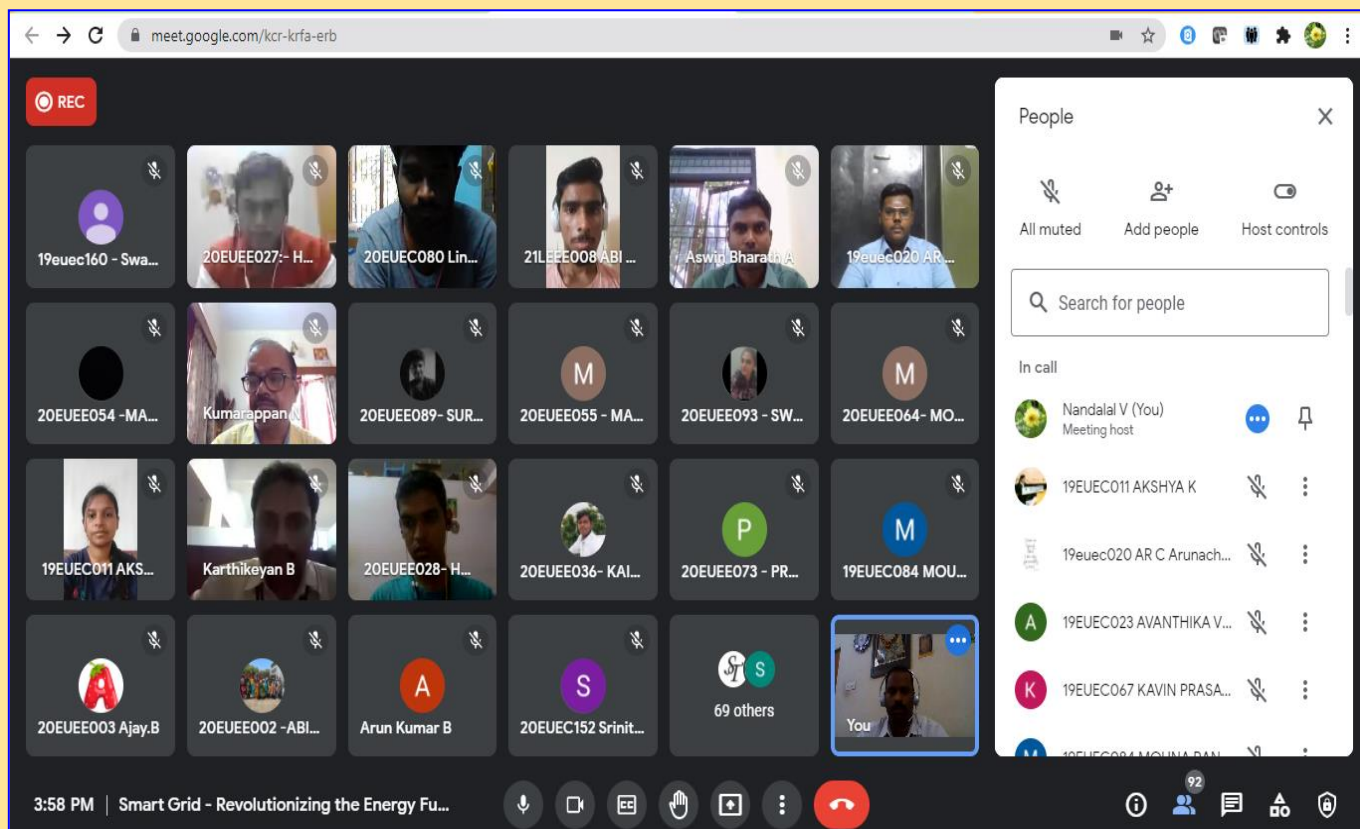
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MECH | SEMINAR ON STUDY ABROAD OPPORTUNITIES



Department of **Mechanical Engineering** organized a seminar on '**Study Abroad Opportunities**'. **Mr. Prem Anand**, Business Development and student's Counselor - IMTP Overseas Educational Consultancy was the Resource Person. Students of **Second** and **Third** year Mechanical Engineering Department attended the seminar.

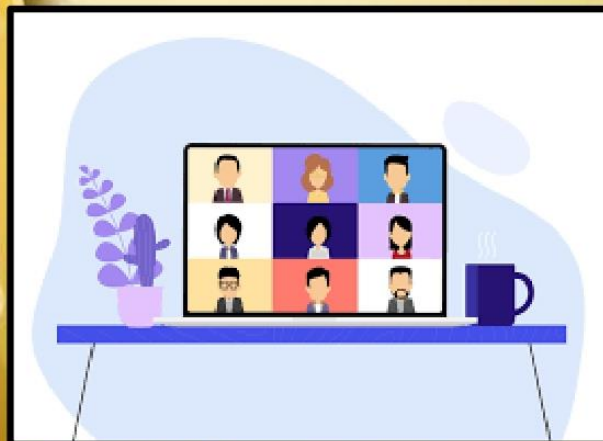
ECE | WEBINAR ON SMART GRID REVOLUTIONIZING THE ENERGY FUTURE



IEEE student branch of Sri Krishna College of Engineering and Technology organized a webinar on “**Smart Grid - Revolutionizing the Energy Future**” for the **Second, Third and Final** year Students on 27.10.2021. **Akshya K**, Chairman, IEEE SB, SKCET delivered the welcome address. **Dr. N. Kumarappan**, Chairman of IEEE Madras Section and CIS Madras Chapter and Professor, Department of Electrical Engineering, Annamalai University, Chidambaram was the Resource Person. An outline on present power systems and its issues, Smart grid, attributes of smart grid were the session highlights. Vote of thanks was proposed by **Swathi M Nair**, President, IEEE SB, SKCET.



TUTOR WARD MEETING



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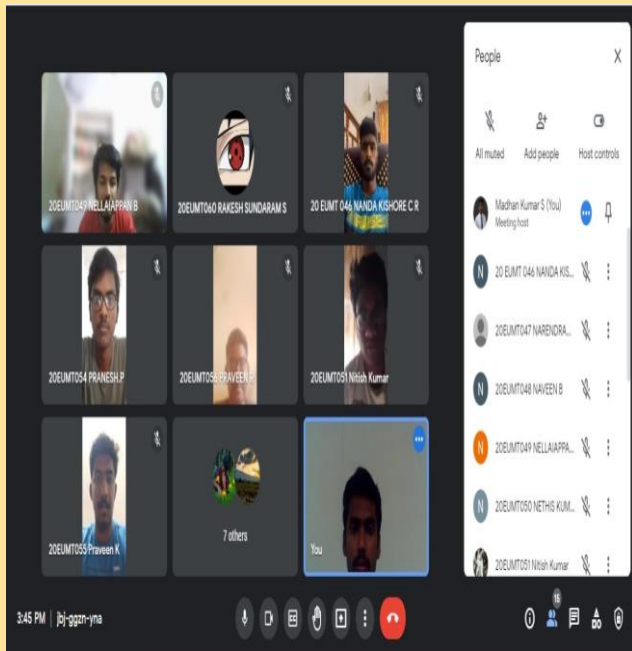


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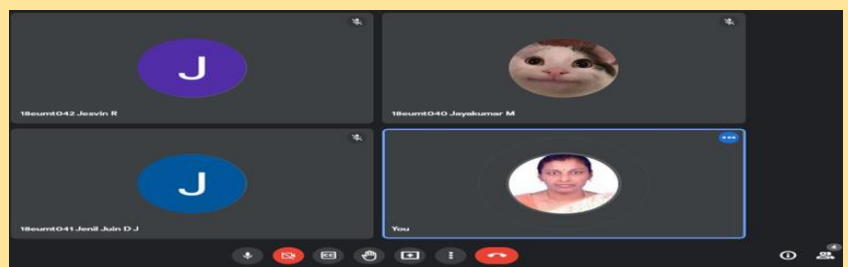
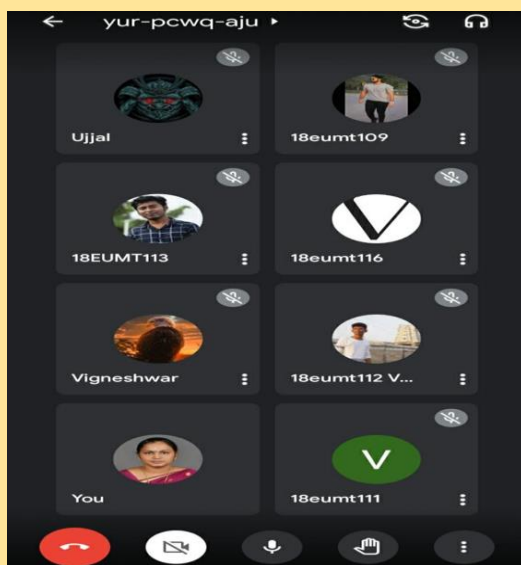
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MCT | TUTOR WARD MEETING - II & III YEAR



Faculty members of **Mechatronics Engineering** Department conducted **Tutor Ward Meeting** for **Second** and **Third** year students on 26.10.2021 and 27.10.2021 via Google Meet. The pointers of discussion were: Preparedness for End Semester Exam, Second dose vaccine status and attendance for online classes.

MCT | TUTOR WARD MEETING - IV YEAR



Faculty members of **Mechatronics Engineering** have conducted **Tutor Ward Meeting** for **Final** year students from 22.10.2021 to 23.10.2021 via Google Meet. The pointers of discussion were: Preparedness for End Semester Exam, Second dose vaccine status, Digital Footprints and attendance for online classes.

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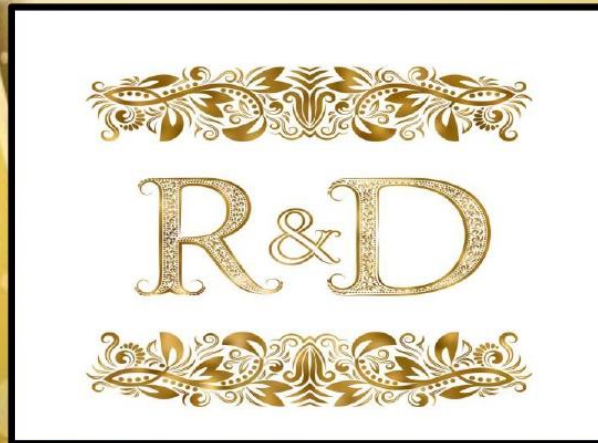


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RESEARCH AND DEVELOPMENT



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R&D | ARTICLE PUBLICATION | MECH

Research Article | Open Access
Volume 2021 | Article ID 3665631 | <https://doi.org/10.1155/2021/3665631>

Show citation

Optimizing the Characteristics of the Laser Hardfacing Process Parameters to Maximize the Wear Resistance of Ni-Based Hard-Faced Deposits Using the RSM Technique

S. Gnanasekaran¹, Samson Jerold Samuel Chelladurai², T. Ramakrishnan³, S. Sivananthan⁴, G. Padmanaban⁵, Ramesh Arthanari⁶ and V. Balasubramanian⁵

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Academic Editor: Angela De Bonis

Received	Revised	Accepted	Published
05 Aug 2021	07 Oct 2021	18 Oct 2021	31 Oct 2021

Abstract
The nickel-based Colmonoy-5 hardfacing alloy is used to hard-face 316LN austenitic stainless steel components in fast reactors. The nominal composition (in wt%) was listed as follows: 0.01 C, 0.49 Si, 0.87 Mn, 17.09 Cr, 14.04 Ni, 2.56 Mo, 0.14 N, and balance Fe. Hardfacing is a technique of applying hard and wear-resistant materials to substrates that need abrasion resistance. The thickness of hardfacing deposit varies between 0.8 mm and 2 mm based on parameter combinations. In this study, laser hardfacing process parameters including laser power, powder feed rate, travel speed, and defocusing distance were optimized to reduce weight loss of laser hard-faced Ni-based deposit. The

Dr. C. Samson Jerold Samuel, Associate Professor, Mechanical Engineering has published a Scientific Research Article entitled “Optimizing the Characteristics of the Laser Hardfacing Process Parameters to Maximize the Wear Resistance of Ni-Based Hard-Faced Deposits Using the RSM Technique” in Advances in Materials Science and Engineering publication by Hindawi. The journal is listed in Anna University Annexure 1 (Impact Factor: 1.726), and is indexed in SCI and Scopus.

R&D | ARTICLE PUBLICATION | MECH

2021-28-0260 Published 01 Oct 2021



Assessment of Tribological Characteristics of Stir Cum Squeeze Cast AlSi7Mg with x wt % Flyash and 3wt % MoS₂ Hybrid Composites

Sathishkumar A, Soundararajan R, Sneha Siva krishna, and Badma Rani Ranjan prabakaran
Sri Krishna College of Engg & Tech

Citation: Sathishkumar, A., Soundararajan, R., Siva krishna, S., and Ranjan prabakaran, B.R., “Assessment of Tribological Characteristics of Stir Cum Squeeze Cast AlSi7Mg with x wt % Flyash and 3wt % MoS₂ Hybrid Composites,” SAE Technical Paper 2021-28-0260, 2021, doi:10.4271/2021-28-0260.

Mr. A. Sathish Kumar and Dr. R. Soundararajan, faculty members Mechanical Engineering Department along with S. Sneha and R. Badma Rani, students of Third year Mechanical Engineering have published a scientific article on 'Assessment of Tribological characteristics of stir cum squeeze cast AlSi7Mg with X wt% flyash and 3wt% MoS₂ hybrid composites' in the SAE International, a Scopus Indexed Journal.

R&D | ARTICLE PUBLICATION | MECH



Dr.S.Karthik, Dr. R. Soundararajan and Mr. A. Sathish Kumar, faculty members of Mechanical Engineering Department have published a scientific article on 'Physio - Mechanical and Chemical Behaviour of Surface Modified Coconut Inflorescence Fibre' in SAE International, a Scopus indexed journal.

R&D | ARTICLE PUBLICATION | EEE





EXECUTION OF SMART ELECTRIC VEHICLE CHARGING STATION DRIVEN BY RE TECHNOLOGY

<p>Dr. Vinoth Kumar K Associate Professor, Department of EEE, New Horizon College of Engineering, Bengaluru, INDIA. kvinoth_kumar84@yahoo.in</p> <p>Dr. Vinodha K Associate Professor, Department of CSE PES University Electronic City Campus, Bengaluru, INDIA. mohan.vinodha@gmail.com</p> <p>Dr. Shanty Chacko Assistant Professor, Department of EEE, Karunya Institute of Technology and Sciences, Coimbatore, INDIA. shantychacko0850@gmail.com</p>	<p>Dr. Josh FT Assistant Professor, Department of EEE, Karunya Institute of Technology and Sciences, Coimbatore, INDIA. frandajosh@gmail.com</p> <p>Dr. Ramya KC Professor, Department of EEE Sri Krishna College of Engineering & Technology, Coimbatore, INDIA. ramyakc@skcet.ac.in</p> <p>Dr. Gunapriya B Associate Professor, Department of EEE, New Horizon College of Engineering, Bengaluru, INDIA. gunapriya1978@gmail.com</p>
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Abstract—Electric vehicles are a moderately on-going innovation that is looking for its spot on the lookout. It has a few favourable circumstances, for example, the decreased nursery outflows, fuel reserve funds and its convenience. Lately, establishment of sustainable power offices is expanding quickly in light of the development to stifle the arrival of nursery gasses answerable for the warming of the earth and to save petroleum products, which are becoming progressively valuable. Besides, the expense of photovoltaic frameworks is diminishing step by step. Along these lines, it is accepted that cost of photovoltaic force will be falling later on. Nonetheless, in Japan, the enormous measure of surplus power from photovoltaic frameworks applies an awful impact on the force network. In this project, an EV charging station using sustainable power is proposed. The proposed EV charging station draws energy from photovoltaic frameworks and wind turbine at a low cost and uses that ability to charge a fixed battery. At that point the force is being utilized to charge electric vehicles; it also presents a few opportunities for electric force supply from sustainable wellsprings of electric vehicle charging stations. This project conjointly introduces associate in Nursing energy management and management methodology for power offer of electrical vehicles charging station. Solar photovoltaic arrays and wind turbine are integrated to interchange energy from fuel and reduce pollution from carbon emissions. An additional main supply is also added in order to maintain regular power supply to the system, here we are using proteus software to simulate the circuit.

Keywords—Electric vehicles, smart E-vehicle, renewable energy

First Edition of The Flagship International Conference Series of IEEE Mysore Subsection (IEEE MysuruCon-2021) 24-25 October 2021 136

Dr.K.C.Ramya, HoD, EEE has published a paper entitled "Execution of Smart Electric Vehicle Charging Station Driven BY RE Technology" in the International Conference Series of IEEE Mysore Subsection. It is a Scopus indexed journal.

R&D | PATENT PUBLICATION | MCT

(12) PATENT APPLICATION PUBLICATION	(21) Application No:202141047926 A
(19) INDIAN	
(22) Date of filing of Application: 21/10/2021	(43) Publication Date: 29/10/2021
(54) Title of the invention: AUTOMATIC UNMANNED RAILWAY LEVEL CROSSING GATE	
(71) Name of Applicant : JRAJESH S Address of Applicant: No -67, Pavendar Street, NGO Nagar, Puzosi - 601 201	(72) Name of Inventor : Dr. T. A. Selvan Name of Applicant : NA Address of Applicant : NA
(73) Name of Applicant : Dr. T. A. Selvan Address of Applicant: Professor, Department of Mechatronics Engineering, Sri Krishna College of Engineering and Technology, Kannamthor, Coimbatore - 641008	(74) Name of Applicant : Dr. K. M. Madhankumar Address of Applicant: Assistant Professor, Department of Mechanical Engineering, Kannayyars College of Technology, Saravannampy, Coimbatore - 641008
(75) Name of Applicant : Dr. S. Madhankumar Address of Applicant: Assistant Professor, Department of Mechatronics Engineering, Sri Krishna College of Engineering and Technology, Kannamthor, Coimbatore - 641008	(76) Name of Applicant : Dr. S. Madhankumar Address of Applicant: Assistant Professor, Department of Mechatronics Engineering, Sri Krishna College of Engineering and Technology, Kannamthor, Coimbatore - 641008
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Dr.T.A.Selvan, Professor, Mr.S.Madhankumar, Mr.S.Paneerselavam, Mr.P.M.Arunkumar, Dr.N.Mithran, Assistant Professors of MCT and Adithyaa Ramesh, P.B.Akshey, students of Final year MCT A have published a patent entitled “Automatic unmanned Railway level crossing gate” in the Indian IPR dated 29.10.2021 with Application number: 202141047926 A.

R&D | PATENT PUBLICATION | CSE

Patent titled “Handy Device for Face Identification” filed by Dr.P.Mohan Kumar, Professor, CSE has been published in the IPR Journal identified with Appl. No: 352007-001 on 25.10.2021.

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

GOVERNMENT OF INDIA
Controller General of Patents, Designs and Trademarks
Department of Industrial Policy and Promotion
Ministry of Commerce and Industry

Design Application Details

Application Number: 352007-001
Cbr Number: 209138
Cbr Date: 25/10/2021 18:30:46
Applicant Name: 1. Dr. R. PRABHA
2. Dr. SU. SUGANTHI
3. Dr. T. Muthamizhan
4. Dr. P. Mohan Kumar

Design Application Status

Application Status: Application Under Process(wating for Technical Examination)

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TRAINING AND PLACEMENT



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PLACEMENT | TESTIMONIAL BY PLACED STUDENTS



MADHAN KUMAR L.R,
ECE (2021 BATCH),
Athena Health

I am **MADHAN KUMAR L R**, and am a passed out of Electronics Communication and Engineering Batch of 2021. My experiences at SKCET have helped me shape my interests in both research and development. The college provides all-round development in academia, leadership, and extra-curricular. There is a vast and an in-dept learning experiences helping one to develop analytical, conceptual and practical knowledge of the subjects. Such environment is preparing students for industry as well as graduate education. The college has lots of opportunities for students to expand not only their technical acumen, but more importantly, develop approaches for problem solving, and analysis, which aids in career growth. I would like to specially thank the placement cell for guiding me and providing me a good platform for my career. I am very much grateful to my parents for choosing SKCET. Thanks to our Principal Madam and entire SKCET faculty team.

PLACEMENT | TESTIMONIAL BY PLACED STUDENTS

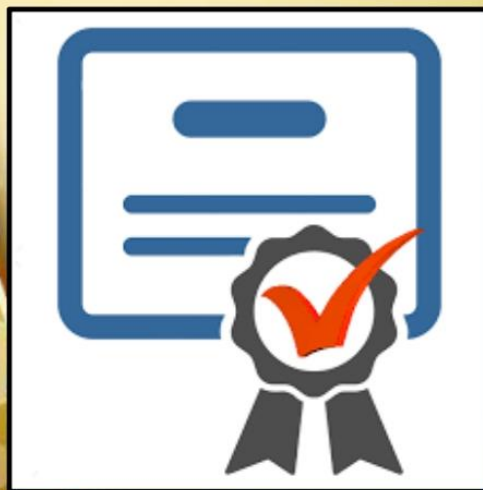
**SRIKANTH A,
ECE (2021 BATCH),
Temenos**



My experience in SKCET College had been amazing. It was very positive and motivating in every way- there are opportunities for research, projects, jobs, internship and committees. It provided us enough knowledge and experience to excel in the field of choice. These experiences helped me in a lot of ways, improving my communication skills, technical skills and management skills all of which are essential for a good career. Overall, I believe that SKCET presents a very conducive environment for an enriching experience. I would like to specially thank the placement cell for guiding me and providing me a good platform for my career and also helped me to secure my Placement in Temenos. Thanks to my parents, SKCET Management, Principal and the entire SKCET family for the wonderful opportunity.



FACULTY CERTIFICATIONS



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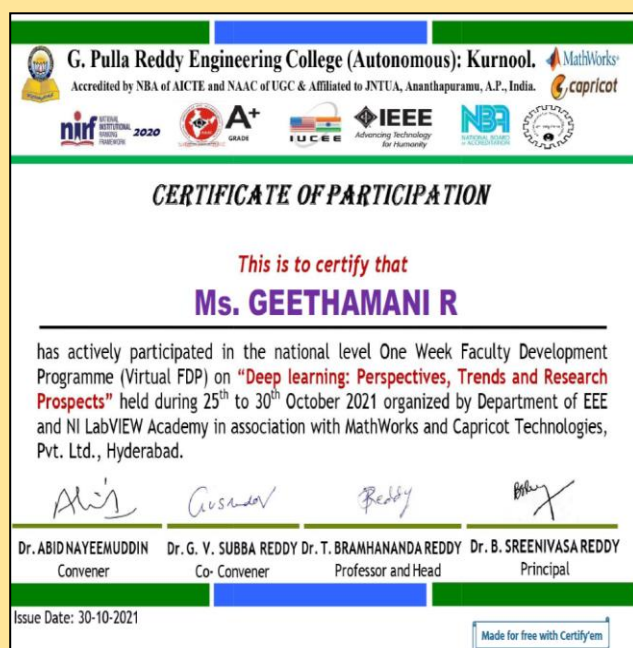
IT | CLOUD FORENSICS: TECHNIQUES, CHALLENGES AND RESEARCH DIRECTIONS



Ms. R. Janani, Assistant Professor, Department of **Information Technology** has successfully completed AICTE Training and Learning (ATAL) Academy Online Elementary FDP on “**Cloud Forensics: techniques, Challenges and Research Directions**” from 18.10.2021 to 22.10.2021 organized by National Institute of Technology Sikkim.

EEE | FDP ON DEEP LEARNING: PERSPECTIVES, TRENDS AND RESEARCH PROSPECTS

Ms. R. Geethamani, Assistant Professor, EEE Department has participated in the one week Faculty Development Program on “**Deep learning: Perspectives, Trends and Research Prospects**” organized by Department EEE, G. Pulla Reddy Engineering College, Kurnool.



CSBS | THE DESIGN UNCONFERENCE



Dr.S.Balakrishnan, Professor and Head, Department of Computer Science and Business System has participated in The Design Unconference, an online event held on 29th October,2021.

CSE | FDP ON FINANCIAL PLANNING

Dr.P.Mohan Kumar, Professor, CSE has participated in the FDP on "Financial Planning" from 25.10.2021 to 29.10.2021 organized by Jeppiaar Engineering College, Chennai.





FACULTY PROGRESSION



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CSBS | REVIEWER CERTIFICATE

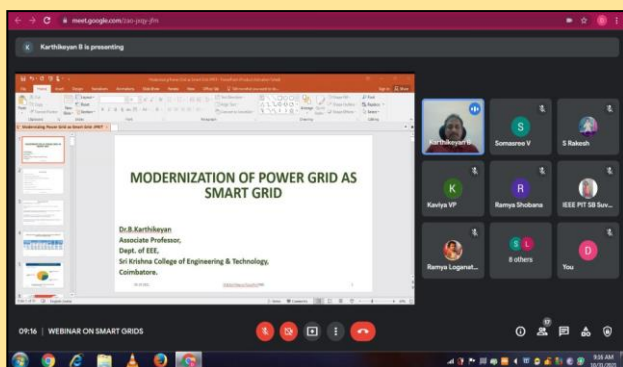
Dr.S.Balakrishnan, Professor and Head, Department of **Computer Science and Business System** has received the reviewer certificate for being the reviewer in the 3rd International conference on Computer, Communication and Mechatronics Engineering (CCME2021) which will be held on 17.12.2021, 18.12.2021 at Xiamen, China.



EEE | GUEST LECTURE- RESOURCE PERSON

Dr.B.Karthikeyan, Associate Professor, Department of **EEE** has delivered a Guest Lecture on “**Modernization of Power Grid as Smart Grid**” organized by WIE Affinity Group of Jeppiaar Institute of Technology held on 31.10.2021.

The poster for the webinar is titled "WEBINAR ON SMART GRIDS" and is presented by the WIE Affinity Group of Jeppiaar Institute of Technology. It features a photo of Dr. B. Karthikeyan, M.E, PhD, Associate Professor in the Department of Electrical & Electronics Engineering at Sri Krishna College of Engineering and Technology. The event is scheduled for 31/10/2021 from 9 AM to 10 AM. The registration link is provided as http://bit.ly/SMART_GRIDS. The poster also lists the staff coordinator (Mrs. M. Benisha), the JITEE SB Counciller (Dr. S. Kamatchi), and the student coordinators (Kavya V. - III Year - CSE and Deepika V. - III Year - ECE).





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EEE | CONFERENCE PRESENTATION



Dr.K.C.Ramya, HoD, EEE has presented a Research Paper entitled “Execution of Smart Electric Vehicle Charging Station Driven by RE Technology” in the International Conference Series of IEEE Mysore Subsection organized by Sri. M S Ramaiah NAVKIS College of Engineering, Hassan.

AI & DS | CONFERENCE PRESENTATION

Dr.A.Sajeev Ram, Associate Professor, Department of AI & DS has presented a paper entitled “Lung Cancer Detection using Modified Fuzzy C-Means Clustering and Adaptive Neuro-Fuzzy Network”, in an International Conference on Advances and Applications of Artificial Intelligence and Machine Learning organized by Sharda University, Uttar Pradesh from 29.10.2021 to 09.10.2021.



May the beauty
and festivity of
Diwali fill your
home with
happiness and joy.

HAPPY
DIWALI

