

Academia - Special Edition-3



19th April - 25th April 2020







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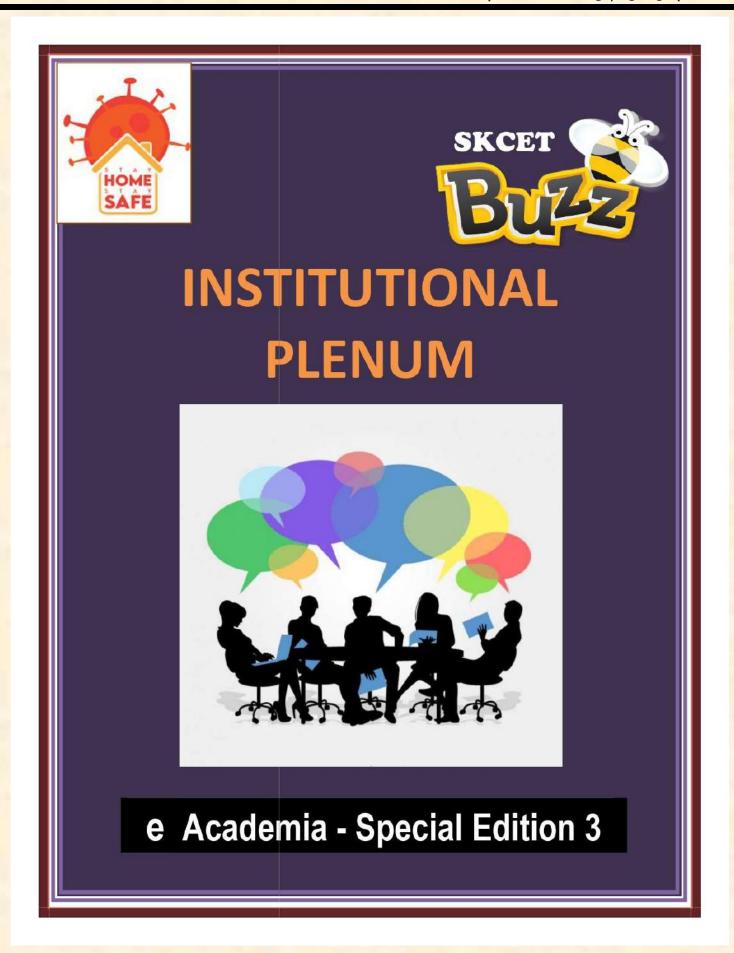
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: Pg No 177-179 INTERNATIONAL DAYS THIS WEEK

 SKCET IN MEDIA : Pg No 180 -182

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INSTITUTIONAL PLENUM









Principal Madam convened a meeting with Heads of departments on 20.04.2020 through Microsoft Teams online platform. The following points were discussed:

- Accomplishment of tasks during the Covid lock down period
- Outreach activities planned
- R&D targets
- Technology development towards the pandemic situation
- Syllabus Revamping status







MHRD-AICTE 'SAMADHAN' CHALLENGE- WINNERS OF TOP 20

SKCETians march towards victory in MHRD-AICTE Mega Online Challenge 'Samadhan'

SKCET cheers the 2 shortlisted teams in Samadhan Round 1 and is in TOP 20 teams in Round 2 under the tracks 'Ideate-Simulate-Win' and 'Validate-Pitch-Deploy' as they enter into the Grand finale, providing solutions to problems towards combating the deadly COVID-19 and helping towards nation building. The teams underwent several levels of scrutiny from various experts and the ideas stood out of the 2500+ ideas from across the nation.

Samadhan is organised by MIC and AICTE in collaboration with Forge and InnovatioCuris. Hearty congratulations to the shortlisted teams.

ECE - #Team 26

Title: Travelona App

Team members: Gokuldharan, Ajay. R, Dhanushmathi, Dharaniga,

Gokulraj, Chitrarasu.

Team Mentor: Ms. G. Saranya, A/P, ECE.

CSE # TEAM 49

Title: Rescue Easy App

Team Members: Shameer.B, Sukumar.E, . Preethi.S, . Preethi.S.

Team Mentor: Mr.M.Manikandan, A/P, CSE.



CHAIRPERSON MADAM COMMENDATIONS TO 'SAMADHAN' WINNERS OF SKCET

Chairperson Madam

SKC PRINCIPAL

SKCETians marching towards victory in MHRD-AICTE Mega Online Challenge "SAMADHAN"...

Congrats to Skeet team and so happy for all of you to co ordinate and perform during these tough times.. great 9:29 am

SKC PRINCIPAL

Thank You very much Maam. Hoping to win the Grand Finale too

9:30 am





TRACK 1

O Ideate-Simulate-Win

Inviting student innovators, researchers, educators and startups to share their ideas (design/simulation mandatory) to solve the challenges posed by the pandemic.

TRACK 2

O Validate-Pitch-Deploy

Inviting student innovators, researchers, educators and startups with a working prototype of a technologically advanced solutions which can be validated & deployed immediately to support the fight against the the pandemic.

Last date for application: 14th April 2020 Grand Online Jury: 25th April 2020

🕮 www.mic.gov.in/samadhan





EEE | AICTE SAMADHAN 2020





Two Student teams from II year EEE had participated and completed 2 checkpoints in National-level Samadhan Covid -19 Challenge in association with MHRD Innovation cell, AICTE, InnovatioCuris, India. Project ideas have been selected as **Top 100** among 2500 ideas submitted.

Team 1

Title of the Project:

Ozone Gas Production for

Corona Virus Treatment

Team Details:

Nandhini K

Krishna j

Mahesh Kanna C V

Nithish Kumar

Mohana sundaram R

Mentor: Mr. T.Kesavan.

Team 2

Title of the Project: Arogya

rove

Team Details:

Sanjeeve R

Sneha BS

Sneka P

Thaqib K

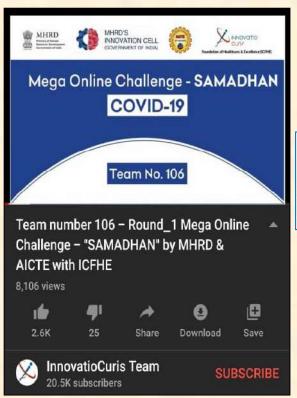
Vignesh R S

Vignesh S

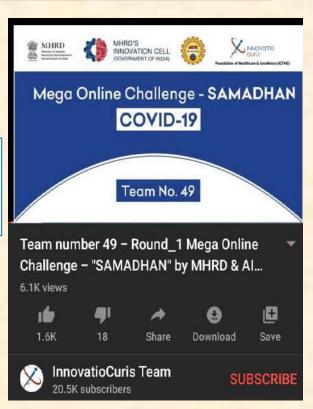
Mentor: Mr. S. Boobalan



CSE | AICTE SAMADHAN 2020







BOB - Break the Outbreak

Rescue Easy

Team 1

Title of the Project:

BOB - Break the Outbreak

Team Details:

- Ms.V.R.Azhaguramyaa
- Dr.D.Prabha
- Ms.J.Fenila Naomi

Team 2

Title of the Project:

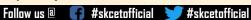
Smart Communication between doctors and people along with health monitoring fitbit

Team Details:

- Shameer.B
- > Sukumar.E
- > Preethi.S
- Rahul VM

Mentor: Mr.M.Manikandan

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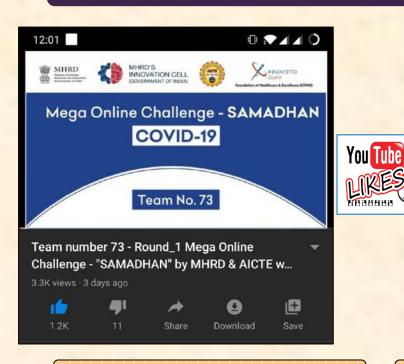


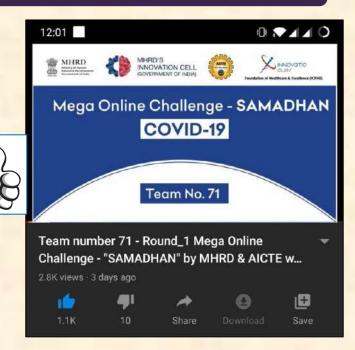






CSBS | AICTE SAMADHAN 2020





Stock Cast by Cache Fort

Team 1

Title of the Project:

Stock Cast by Cache Fort

Team Details:

- > Parvathy Nathan S,
- Sivasanjay Raahul M,
- Sandhya A,
- > Jegan Prakash B
- Sanjeeve R.

Mentor: Mrs. A. Priya, AP, CSE

Co-Heal! Heal it! Deal it!

Team 2

Title of the Project:

Co-Heal! Heal it! Deal it!

Team Details:

- > Siva Shankar R,
- > Nishit M.
- > Imron Khan S
- Bhavik Kumar N

Mentor: Dr. S. Balakrishnan. HOD, CSBS

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ECE | AICTE SAMADHAN 2020



Two Faculty teams and one student team from the Department of ECE actively participated in the Samadhan Online challenge by MHRD and AICTE.

Team 1:

Title: Automated System for Surgical Gloves Removing and Reusing based on ML "

Team Members:

Dr.S.Sophia

Dr.V.R.Balaji

Ms.J.R.Dinesh Kumar

Ms.K.Priyadharsini

Team 2:

Title: Lets fly from flu using **Automatic Quadcopters**

Team Members:

Dr.B.Maruthi Shankar

Mr.R.Sarath Kumar

Mr.S.P.Karthi

Mr.C.Visveswaran

Mr.A.Arun Kumar, UG Scholar

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ECE | AICTE SAMADHAN 2020





Student Team:

Title: TRAVELONA APP

Mentor: Ms.G.Saranya

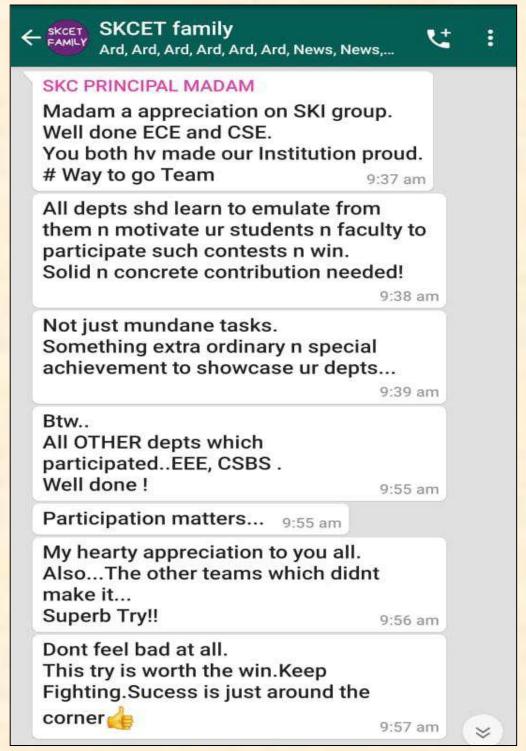
Team Members

- Dharsheeni
- ➢ Gokuldharan
- ➤ Ajay R
- Dhanushmathi
- Dharaniga
- ➤ Gokulraj
- Chitrarasu





PRINCIPAL MAM COMMENDATIONS TO SKCET TEAM

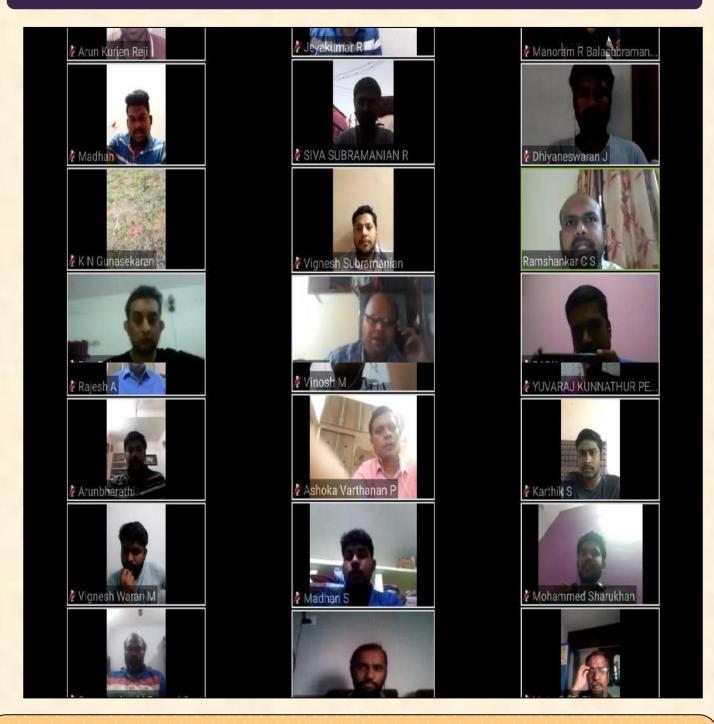








MECH | AICTE SAMADHAN 2020



17 teams from the Department of Mechanical Engineering registered for AICTE - Samadhan 2020 event. Faculty members scrutinized the projects through WebEx application and gave valuable suggestions.

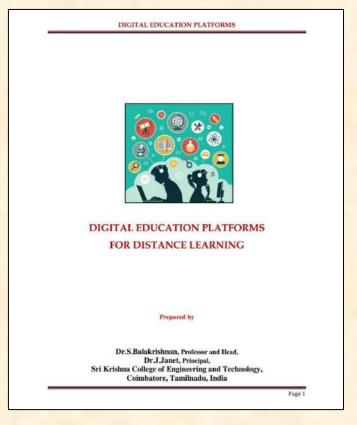


CSBS | MHRD BHARAT PADHE ONLINE CAMPAIGN





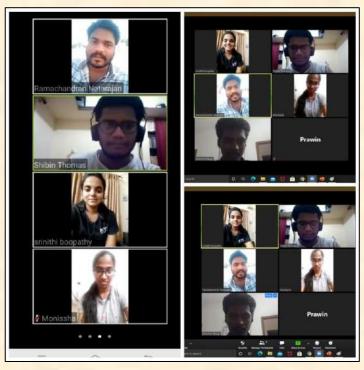


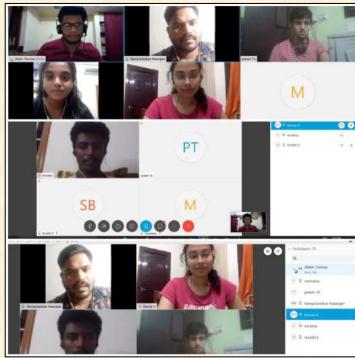


Principal Madam and Dr. S. Balakrishnan, HOD-CSBS have submitted an idea for the Bharat Padhe Online Campaign - an MHRD Initiative, to divulge the various innovative ideas to boost e-learning in India.



MECH | SIH 2020 – HARDWARE VERSION





Mr. N. Ramachandran, Assistant Professor, Department of Mechanical Engineering convened a meeting with the shortlisted student team for Round 2 of Smart India Hackathon - Hardware Version. The meeting was conducted in-order to schedule and monitor the progress of the project. Problem Statement: Yoga and meditation- An essential daily routine need motivation and proper health care

Team Members:

- ShibinThomas.S II MCT
- > PrawinSankar T.A II MCT
- > Sridhar K.E II MECH
- Srinithi B II MECH
- RamyaHarikrishnan III ECE
- Monissha D I CSBS



ECE | HACK THE CRISIS



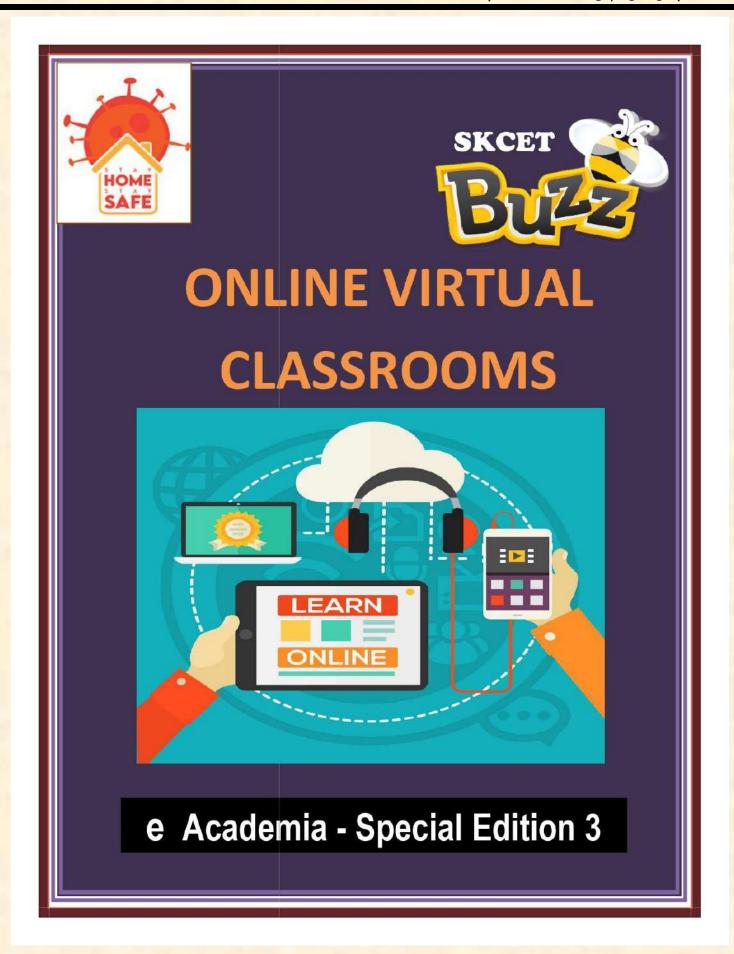






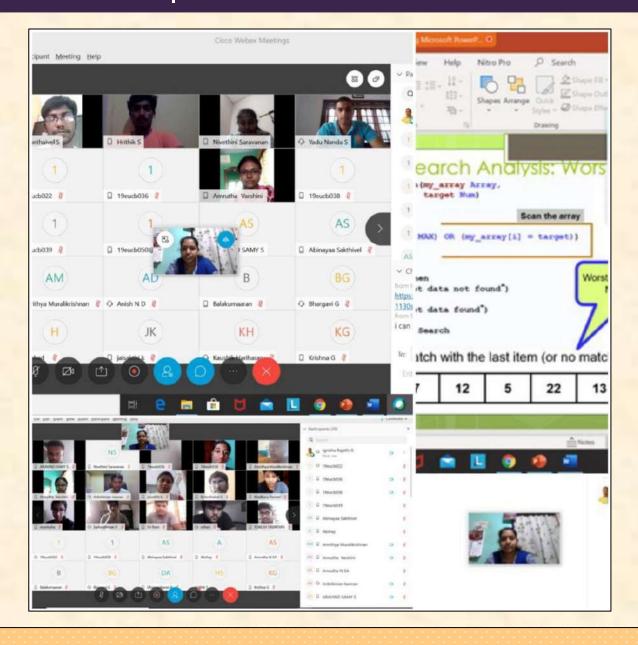
The following students from Second year ECE 'B' have successfully completed three checkpoints in Garage 48-Online Hackathon. The project ideas have been selected as top 300 among 2500 ideas submitted. Kiruthik Prakash J, Naveen Kumar D, Luis Cruz Govindapillai Kathik Prabhu R, Krishnamoorthy R, Kishore S, Krishna Prakash N, Janani Sri P, Lavanya S, Janani R, Keerthi G, Kavya Dharshini M, Kaviya P, Kaviya S, Nivetha J, Karishma K K and Muthu Brintha.G.







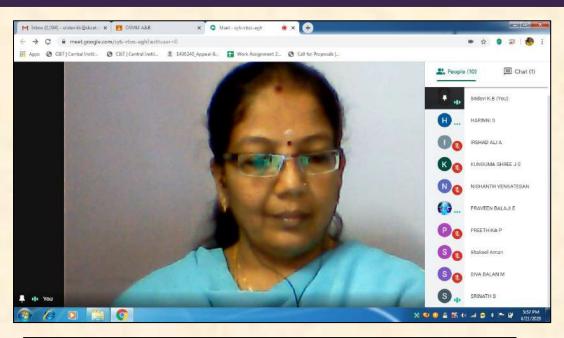
CSBS | SPECIAL COACHING CLASSES

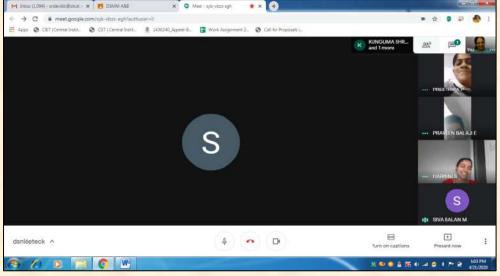


The Department of **Science and Humanities** scheduled a Special Coaching Class for the **First year CSBS** students to provide supportive growth in academics. Dr. G. Ignisha Rajathi, Assistant Professor, CSBS guided the students on the subject **Data Structures** on the following topics - Linear Search, Binary Search, Selection Sort, Insertion Sort and Shell Sort.



SOM | DIGITAL MARKETING STRATEGIES ANALYSIS



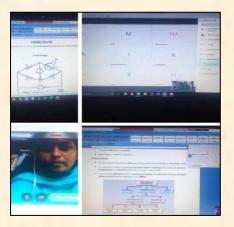


Dr Sridevi K B, School of Management conducted online lecture series for I year MBA students on Digital and Social Media Marketing students on **'Digital Marketing Strategy Analysis'** on 21.04.2020 through Google Meet. The key points were Situational analysis, Brand pyramid and digital strategies and value exchange and Key performance indicators



S&H | SPECIAL COACHING CLASSES

The Department of Science and Humanities scheduled an online Special Coaching Class for the First year BE/B.Tech and M.Tech students to offer effective teaching – learning with the changing needs.

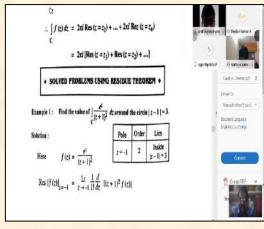




Engineering Physics

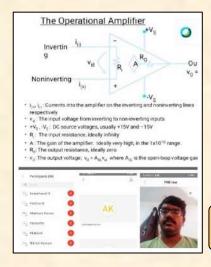








Python Programming



POEE

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in #skcet

Feedback @ skcetbuzz@skcet.ac.in



SOM | CORPORATE FINANCE AND INDIAN FINANCIAL SYSTEM





Dr M Manicka Mahesh, School of Management has conducted online lecture series on 'Corporate Finance and Indian Financial system' for I year MBA students on 21.04.2020 through Zoom Google Meet.

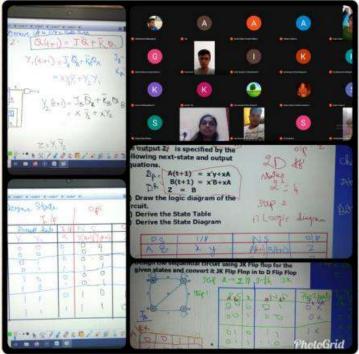


CSE | SPECIAL COACHING CLASSES



Subject: **Python Faculty Incharge:** Dr.D.Prabha

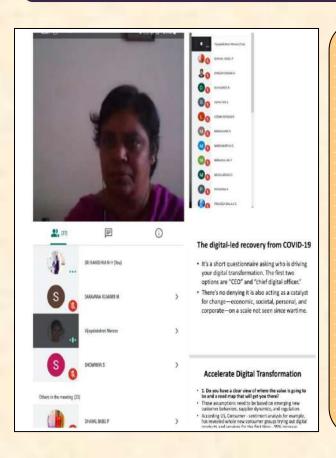
Subject: **DPSD Faculty Incharge:** Ms.B.Sophia



Online coaching class was conducted for I year M.Tech CSE students through Google Meet for the subjects Python and DPSD.



SOM | LECTURE SERIES



Dr P. Vijayalakshmi Menon, School of Management conducted online lecture series for I year MBA students on Entrepreneurship -Digital Led recovery from Covid - 19' on 22.04.2020 through Google Meet. The key points were road map, new markets and new customers, agile operating model, technology talent strategies and transformation.

Dr P.Thamaraiselvi, HoD, School of Management conducted online lecture series for I year MBA students on IMC: 'Building Media Strategy for Promotion of Services' on 20.04.2020. through Google Meet. The key points were Promotion mix relevant for service sectors, market share and strategies for service industries.





IT | SPECIAL COACHING CLASSES



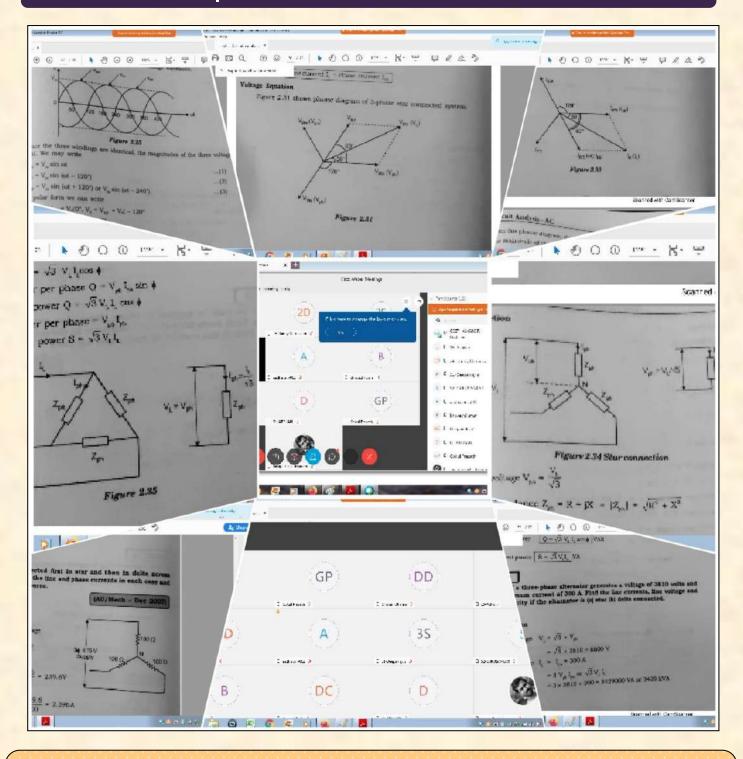
Dr.V.Anandkumar, Associate Professor, Department of IT conducted C Programming Coaching class for I year B. TECH. IT 'A' students on file handling in C.



Ms.Priyadharsheni, Assistant Professor, IT conducted C Programming Coaching class of I year BTECH IT 'B'students in Union.



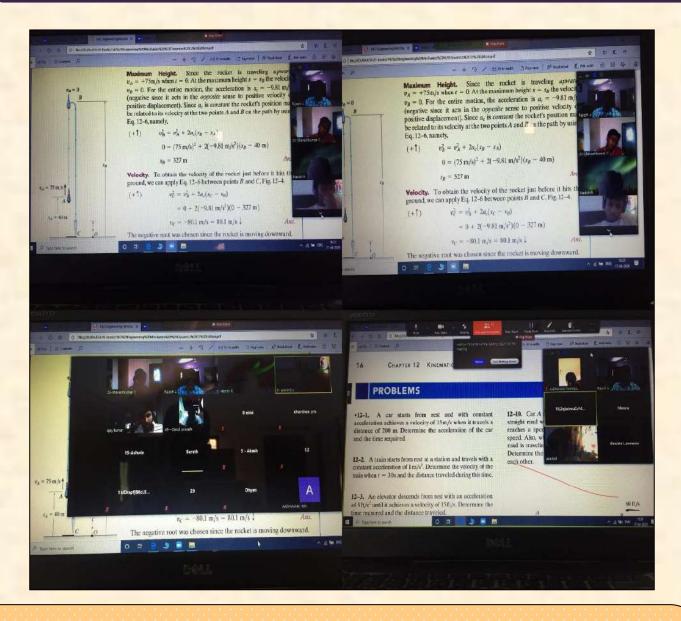
EEE | SPECIAL COACHING CLASSES



The Department of Electrical and Electronics Engineering scheduled Special Coaching Classes for the First year BE/B.Tech and M.Tech students to provide supportive growth in academics.



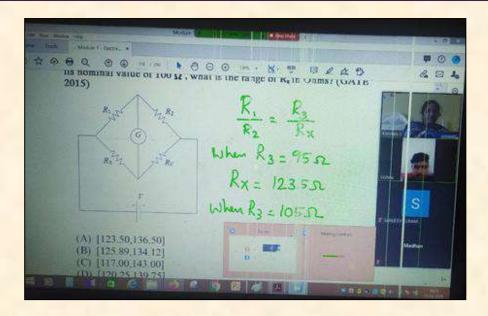
MECH | ENGINEERING MECHANICS



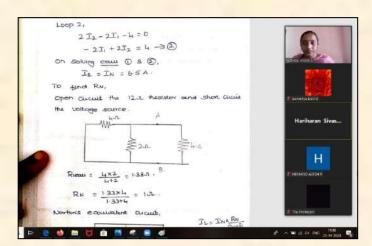
Mr. A. Rajesh, Assistant Professor, Department of Mechanical Engineering conducted online classes for the subject 'Engineering Mechanics' for I year Mechanical A section students through WebEx application. Introduction to dynamics of particles, Rectilinear Motion and Projectile Motion were the topics discussed. Students were also indulged in interactive problem solving sessions.



MCT | ELECTRICAL & ELECTRONIC DEVICES



Mrs.S.Kannaki, Assistant Professor, Department of MCT conducted online regular class for First year students on the topic "Mesh Analysis" on 17.04.2020.





Ms.S.Kannaki Ms.S.Nithapriya, **Professors** and Assistant of Mechatronics Engineering Department conducted online regular class for the First year students on the topic "Norton Theorem".



ECE | SPECIAL COACHING CLASSES





Ms.G.Saranya, of ECE Department conducted Online Special Classes for vear A section Students on 23.04.2020 for the subject Analog **Integrated Circuit.**

CIVIL ENGINEERING DYNAMICS

Professor, Associate Department of Civil Engineering has conducted Engineering Mechanics online special class for First Year Civil students on the topic "Dynamics" on

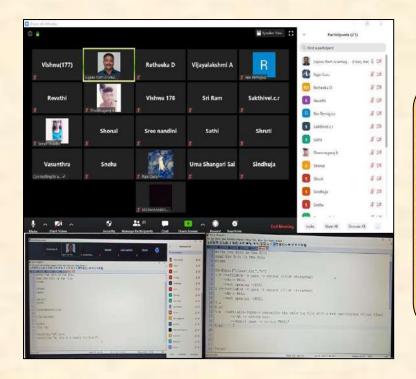
Dr.P.Saravanakumar,



20.04.2020.



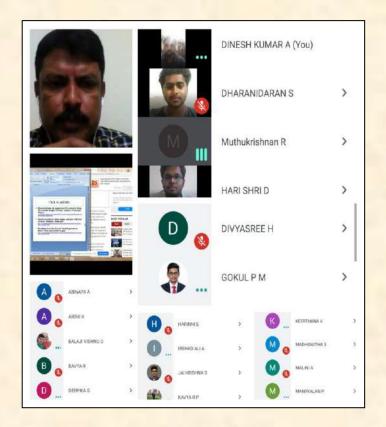
IT | SPECIAL COACHING CLASSES



Faculty member of IT department **Dr.Sajeev Ram** conducted C Programming Coaching class for I BTECH IT 'C' students in File handling in C.

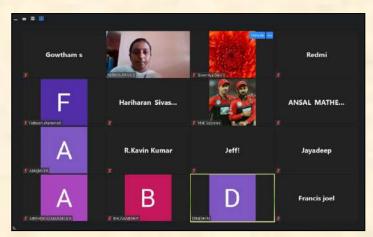
SOM| PROJECT MANAGEMENT

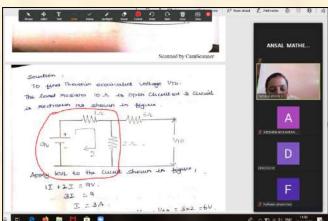
Mr R Muthukrishnan,
School of Management has
conducted online lecture
series for I year MBA
students on 'Project
Management' Students on
22.04.2020. through Google
Meet.





MCT | ELECTRICAL & ELECTRONIC DEVICES





Ms.S.Nithapriya, Assistant Professor, MCT conducted online regular class for First year students on the topic "Thevenin Theorem" on 18.04.2020.

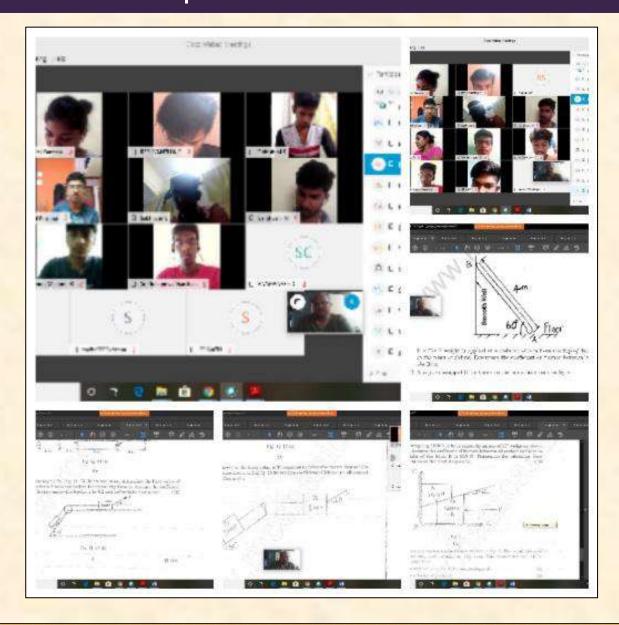
MCT | APPLIED MECHANICS



Mr.S.Panneerselvam, Assistant Professor, Department of Mechatronics **Engineering** has conducted online regular class for the First year students on the topic "Support reactions" on 21.04.2020.



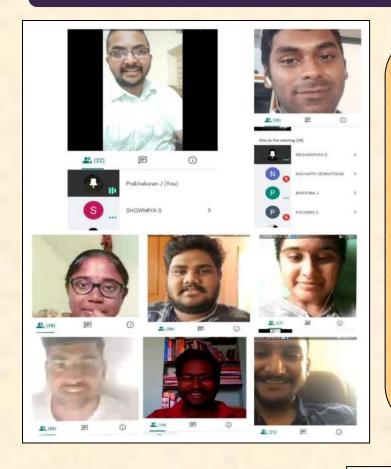
MECH | ENGINEERING MECHANICS



Mr. S. Raja, Assistant Professor, Department of Mechanical Engineering conducted online class on the subject 'Engineering Mechanics' for I year Mechanical B & C section students through WebEx application. Students actively participated in online classes. Friction, Rectilinear Motion and Kinematics of Particles were the topics discussed. Students were also given rigorous practice with previous year university question papers.

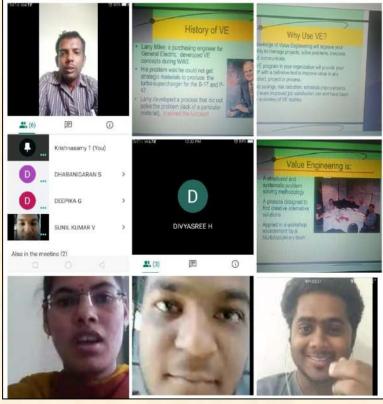


SOM | SPECIAL COACHING CLASSES



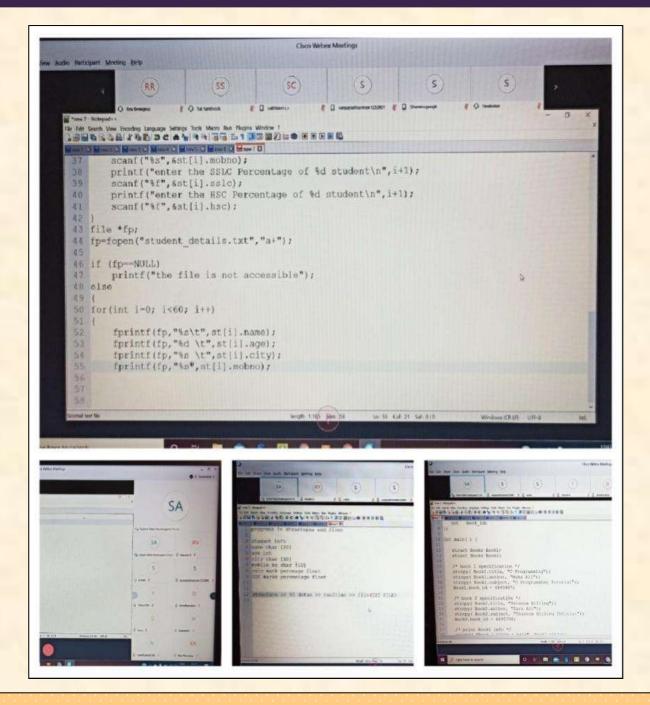
Mr J Prabhakaran, School of Management has conducted online lecture series 'Corporate Finance and Indian Financial system' for I MBA - B on 21.04.2020 through Google Meet. Key points were on types dividend, share of splits, dividend theories and policy

Mr Krishnasamy, T School of Management has conducted online lecture series for I year MBA students on 'Business Proces Re-engineer: Value Engineering' Students on through 23.04.2020. Google Meet.





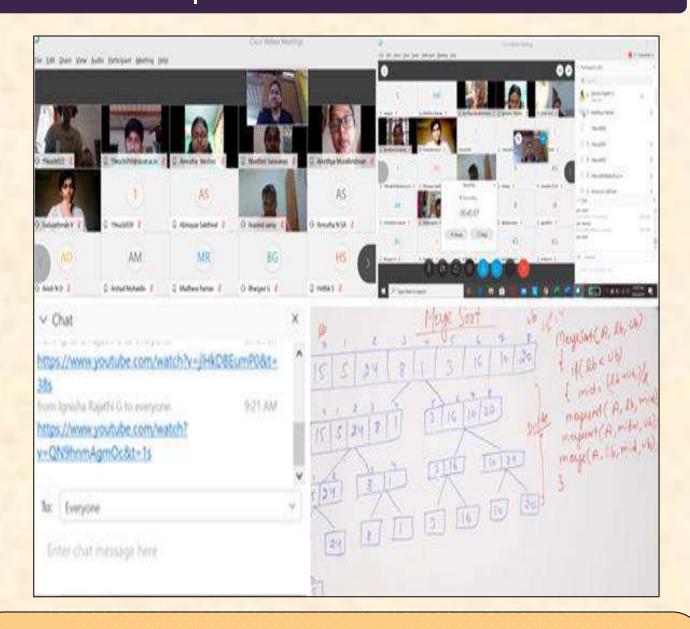
IT| C PROGRAMMING



Dr.Sajeev Ram, Assistant Professor, IT conducted C Programming coaching class of the I year B. Tech IT 'C' students on the topic Structures and File Handling.



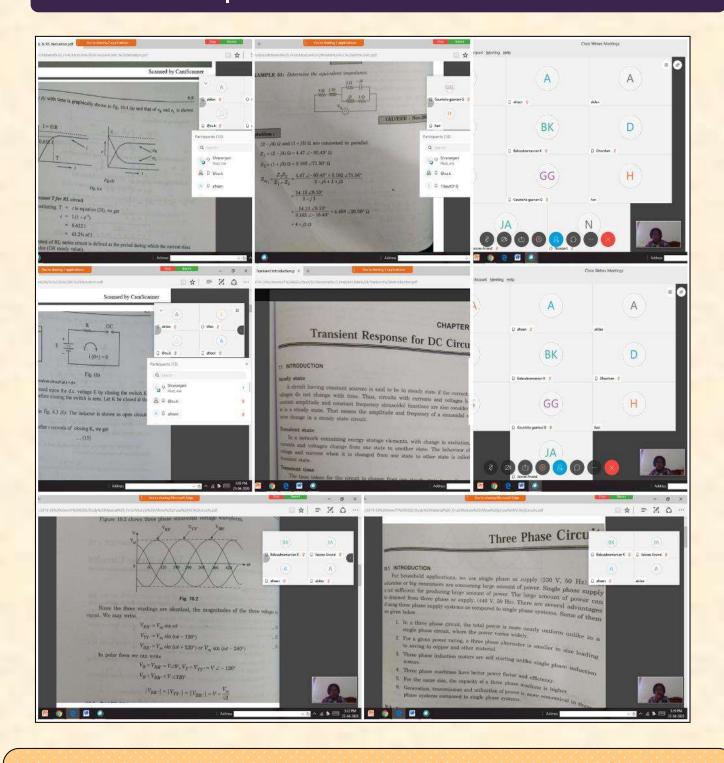
CSBS | SPECIAL COACHING CLASSES



The Department of Science and Humanities scheduled a Special Coaching Class for the First year CSBS students on 24.04.2020 to provide supportive growth in academics. Dr. G. Ignisha Rajathi handled the session for the subject Data Structures and the following topics were discussed Merge Sort, Quick Sort and Heap Sort.



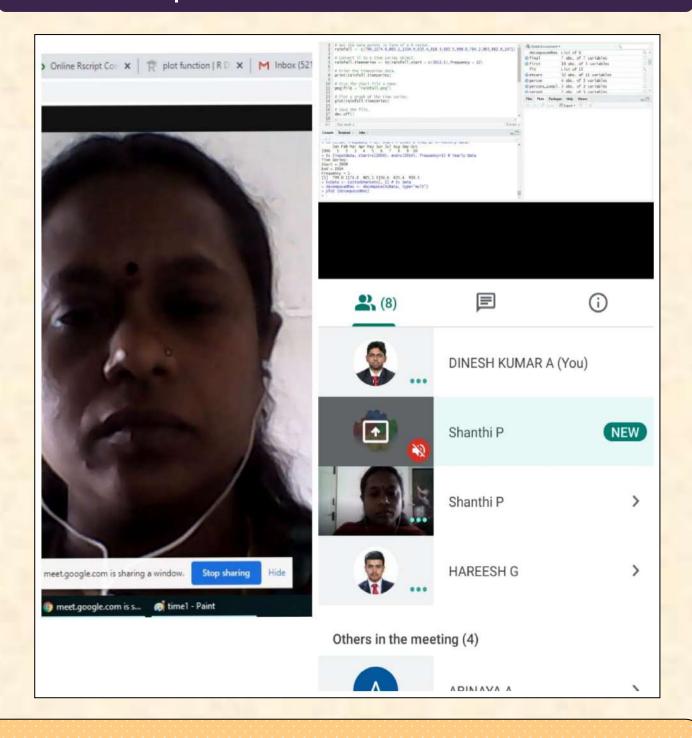
EEE | SPECIAL COACHING CLASSES



The Department of EEE scheduled a Special Coaching Class for the **First year BE/B.Tech and M.Tech** students to provide supportive growth in academics.



SOM TIME SERIES ANALYSIS USING R



School of Management conducted an online lecture series for I year MBA students on 'Time Series Analysis using R' by Dr. P.Shanthi on 24.04.2020 through Google Meet.

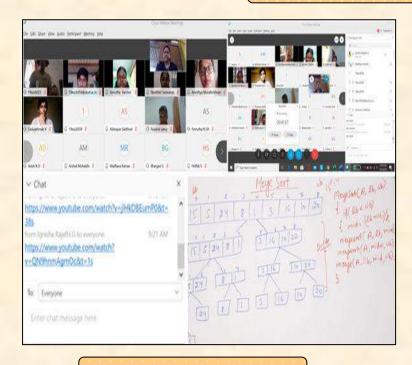


S&H | SPECIAL COACHING CLASSES

Department of Science and Humanities scheduled a Special Coaching Class for the First year BE/B.Tech and M.Tech students to provide supportive growth in academics.



Engineering Physics



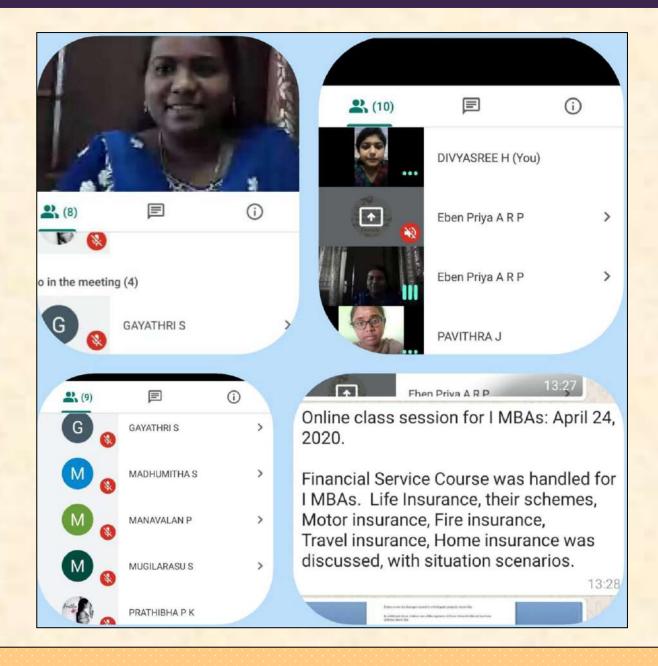
Data Structures



Python Programming



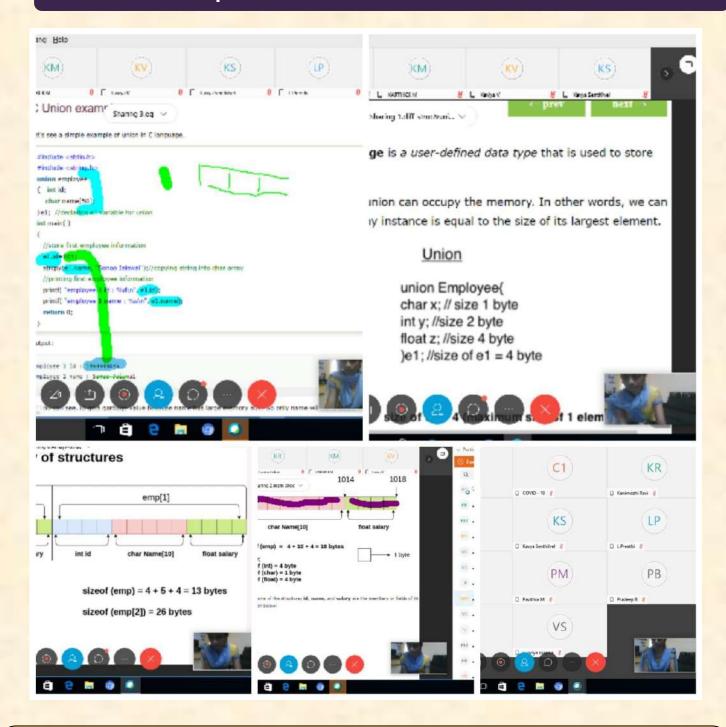
SOM| FINANCIAL SERVICE - INSURANCE SECTOR



Mrs. Eben Priya A.R.P, School of Management has conducted online lecture series for I year MBA students for 'Financial Service' Course on Life Insurace, their schemes, Motor insurance, Fire insurance, Travel Insurance and Home insurance with situation scenario' on 24.04.2020 through Google Meet.



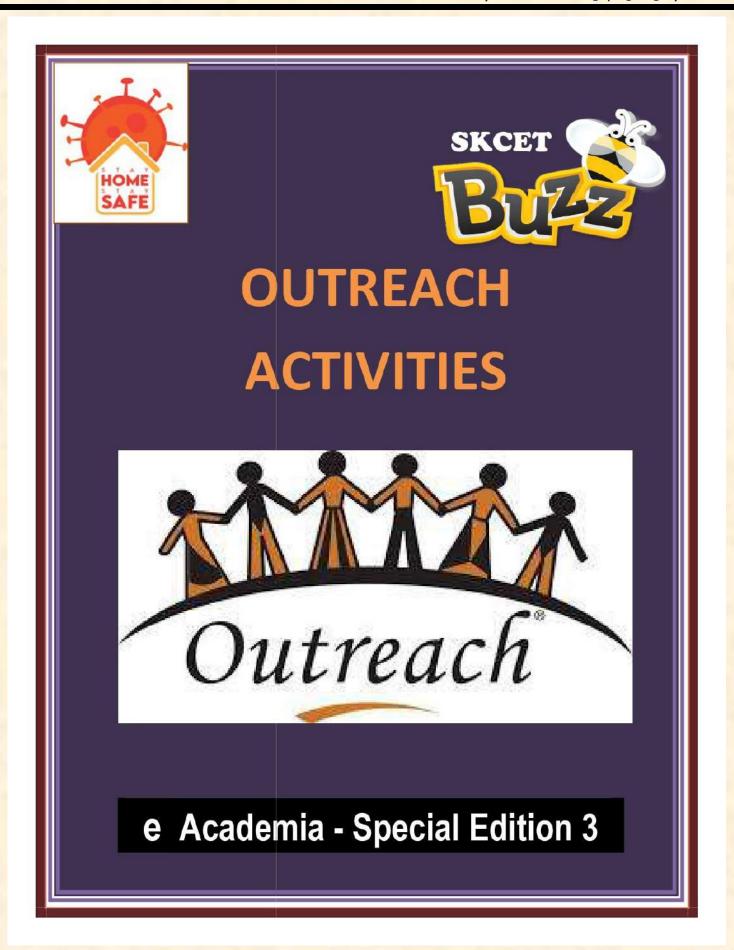
IT | SPECIAL COACHING CLASSES



Faculty member of IT department-Ms.Priyadharsheni conducted C Programming Coaching class of I B.Tech IT 'B'students.

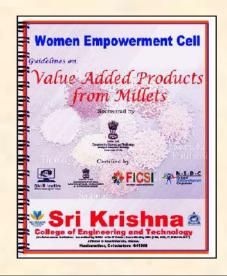
Topic -Structures and Union.







WOMEN EMPOWERMENT CELL – FOOD RECIPES





Title of the Project: Developing Women Entrepreneurs in the field of

Millet Food Production to ensure Nutritional Security

: Dr.J.Janet, Principal SKCET Mentor

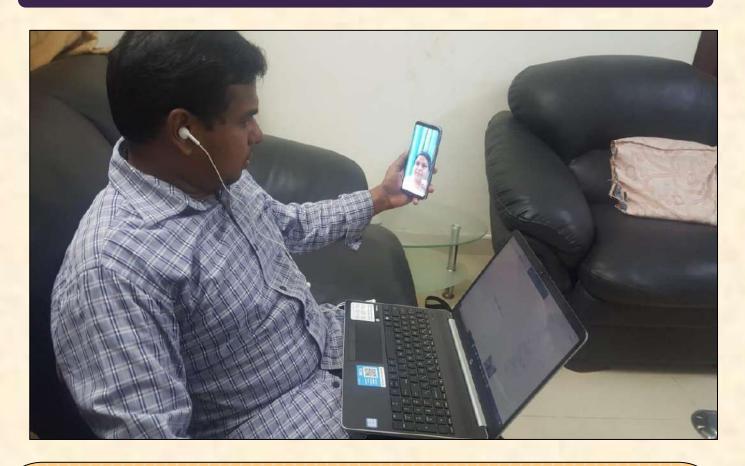
PI : Dr.M.Sujaritha, CSE

Co-PI : Dr.S.Sophia, HOD-ECE

The Women Empowerment Cell of Sri Krishna College of Engineering and Technology, has taken the initiative for the community in the scenario of pandemic COVID -19 through Science and Technology for Women project. A manual, which consists of recipes for preparing the value added millet food products at home, was prepared in Tamil version and it was circulated to the community through students, faculty members and parents through digital media. The importance of small millets in improving the immunity of mankind was also explained to them. The guidance and support were provided by the cell through WhatsApp and has received good responses and feedback from them.



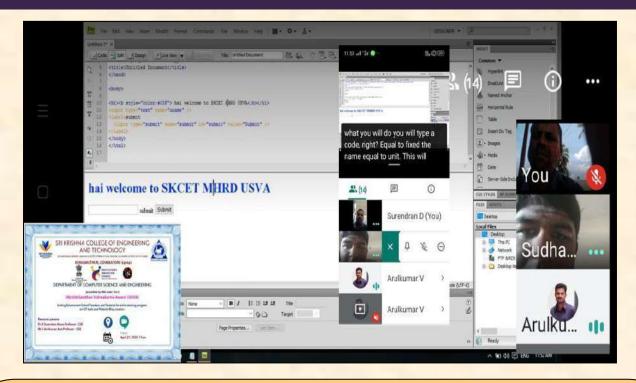
CSBS | DIGITAL LITERACY ACTIVITY



The Department of Computer Science and Business Systems organized a transcend venture for Luxor World school, Dindigul on 12.04.2020, an initiative to facilitate the teachers to explore on digitization. Mr. J. Daniel Francis Selvaraj hosted the session and received an overwhelming response from the faculty and the management as well. The Key insights of the session were: Online conduction of Assessments, Hosting Webinars series, Recordings, Google Tools for Education - Hands on Practice, Email - Domain creations.



CSE | DESIGN OF WEBSITE FOR SCHOOL CHILDREN



An outreach activity for school students was organized by the Department of CSE on the topic **Designing basic Website/Blog.** This is a step taken by SKCET to keep connected in a digital way.

Resource People for the event was Dr.D.Surendran, Professor, CSE and Mr.V.Arulkumar, Assistant Professor/CSE.

Topics discussed:

- Building static & dynamic web apps
- Implementation of DHTML/CSS/Boostrap
- Adobe Dreamweaver/XAMPP/WebServer/MySQL
- Overview on Full Stack Development

The enthusiasm and the response of the school students drives the Department to plan more activities in the future.



IT | VOLUNTEERING ACTIVITIES



Third year student team from the Department of IT have done various volunteering activities in Coimbatore and Erode districts during this Quarantine period.

Team Members:

- Ruhil Sijaz R -III IT C
- > Kalimuthu III IT A



MECH | DISTRIBUTION OF RATION KITS





Mr. Prthush, III year Mechanical Engineering student has involved in volunteer activity by supplying grocery items to the needy who are suffering during the COVID- 19 Crisis and rendered service to Police personnel who are in continuous duty. He also helped socially underprivileged people staying along road side by providing temporary shelter during lockdown days. He also runs a NGO called Aram Seya Karam Kodupom. The team has supplied around 500+ ration kits for **the needy**. He also encouraged his student friends to help the needy.



MECH | DISTRIBUTION OF GROCERY



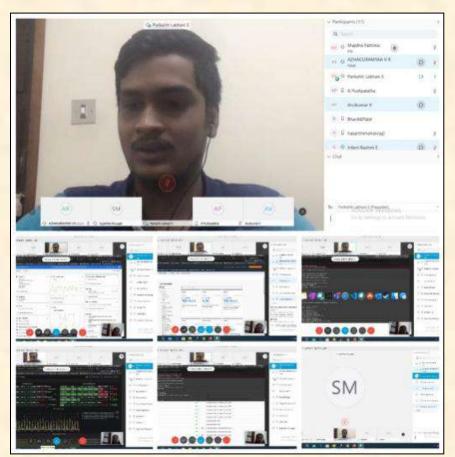
J Jayasuryaa, student of III Mechanical 'B' section along with his father has involved in volunteer activity by supplying grocery items to the Migrant laborers from North India. They are also providing stay and basic requirements for 100 laborers in their company.

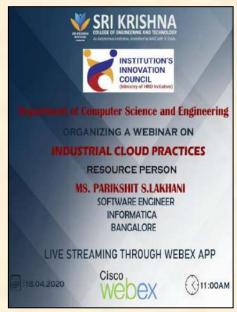






CSE | INDUSTRIAL CLOUD PRACTICES





The Institution's Innovation Council (IIC) and Department of CSE organized a webinar on "Industrial Cloud Practices" on 18.4.2020 by Mr.Parikshit S.Lakhani, Software engineer, Informatica, Bangalore. His enlightened speech threw light upon various cloud practices in industry. He also focused on data transactions, tools for project monitoring, introduction to Chef and Console tool, free tier services in Amazon Web Services and Microsoft Azure. The session ended up with a brainstorming session paving way to illuminate the minds.



IT | ADVANCED BIOMETRICS

SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution, Affiliated to Anna University, Chennai) Kuniamuthur, Coimbatore - 641 008



DEPARTMENT OF INFORMATION TECHNOLOGY

Organized a webinar

On 20.04.2020 - 3.00pm

In the topic: Advanced Biometrics

Resource Person

Arghya Goswami

Product Owner and Lead Solution Architect in Unisys India

Time: 3.00pm











The Institution's Innovation Council (IIC) of SKCET and the Department of Information Technology organized webinar series. Mr.Arghya Goswani, Product owner & Lead Arch, Unisys India addressed on the topic 'Advanced Biometrics' on 20.04.2020.



CSE | CANVAS





The Institution's Innovation Council (IIC) of SKCET and Department of CSE organized a webinar on "CANVAS" on 18.04.2020 by Mr.M.Balaji, AI specialist, Cork Institute of Technology, Ireland. In his speech, he elaborated about the working of canvas applications-Live lectures, assessment evaluation, usage and also comparing with the various applications.



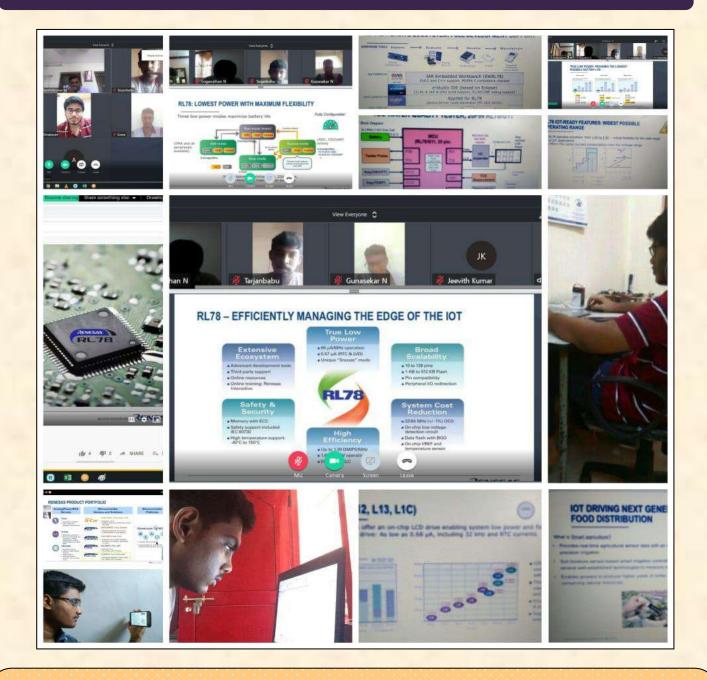
FULL STACK ENVIRONMENT-A COMPANY **PERSPECTIVE**



The Institution's Innovation Council (IIC) of SKCET and the Department of Information Technology organized webinar series on "Full Stack Environment-A Company Perspective". Resource person was Ms.Rani Selvaraj, S/w Development Engineer, ZOHO on 23.04.2020.



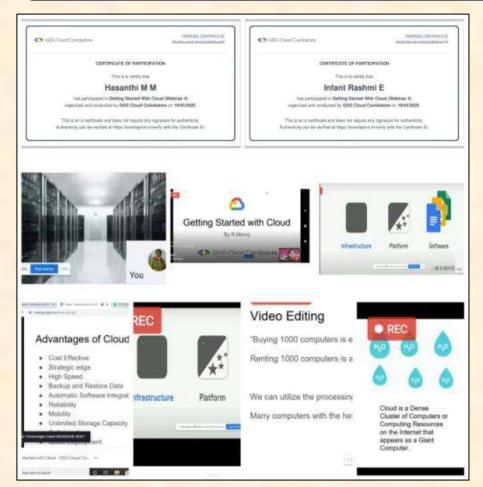
EEE | IMPACT OF IOT IN INDUSTRIAL APPLICATIONS



Department of EEE organized a Webinar for III year Students on 'Impact of IoT in Industrial Applications' on 23.04.2020 by Mr. Michael Chodfelter, Renesas Electronics. The expert discussed on the overview of ensuring worker safety, Vision system implementation, Tools connected to eliminate human errors and Autonomous Vehicles.



CSE | GETTING STARTED WITH CLOUD





The Institution's Innovation Council (IIC) of SKCET and Department of CSE organized a webinar session on "Getting started with Cloud" in association with Google Developer Group on 19.04.2020. Mr.R.Manoj Facilitator, GDG, Coimbatore ML and Mr.Praveen Thirumurugan, SDE, Trimble, Organizer, GDG were the resource persons. The key deliberations were on setting up the cloud and its applications Cloud gaming, Products and services at GCP, Firebase and relation between firebase and GCP, Virtual Machine, Cointaine, Kubernetes, Buckets in GCP.



MCT | SOFTWARE QUALITY ENGINEERING



The Institution's Innovation Council (IIC) of SKCET and Mechatronics Engineering department organized webinar series. Mr.R.Rajan, Engineer II, NextGen Healthcare, Bangalore addressed on 'Software Quality Engineering 'on 17.04.2020. The role of software quality engineer in process flow, testing, software development stages were some of the topics discussed.



CSE | DOCKER AND KUBERNETES





The Institution's Innovation Council (IIC) of SKCET and Department of CSE organized a webinar on "Docker And Kubernetes" on 20.04.2020. Mr. Kakani Jaya Rohith, SDE, Amazon, Chennai was the resource person of the event. IIC faculty members and students from the various departments attended the event. In his speech, he elaborated about VMware, Docker image, file and container, tools for orchestration with docker, benefits of using docker, kubernetes architecture and docker with kubernetes.



MCT | SOFTWARE QUALITY ASSURANCE & PROJECT **MANAGEMENT**



Department of **Mechatronics Engineering**, conducted webinar on Software Quality Assurance and Project Management on 18.4.2020. Resource person for the session was Mr.Pranesh, Software Quality Assurance Engineer, Humber college, Toronto, Canada. The discussion was on quality assurance, project management and trend in software quality engineering.



CSE | IoT: CONNECTIVITY TO COGNITION





The Institutions Innovation Council (IIC) of SKCET and Department of CSE organized a webinar on "IoT: Connectivity to Cognition" on 21.4.2020 by Mr. Aloknath De, Corporate Vice President of Samsung Electronics and CTO of Samsung R&D India was the resource person of the event. In his lecture, he elaborated about how intelligent current devices work, continuous authentication, Industry connectivity, IoT standardization and real time example. Students also gained knowledge on cultural barriers, process thinking and rethinking. He finally ended his talk with a case-study which made our students to walk towards a winning model.



IOT BASED ULTRA LOW POWER MCUs EEE |



Department of EEE organised a Webinar for III EEE students on 'IoT based Ultra Low Power MCUs' on 22.04.2020 by Mr.Michael Sarpa, Renesas Electronics. Low Power with maximum flexibility, Flash protection features, Key management challenge and selected secure RF methods were some of the points discussed during the session.



CSE | DATA SCIENCE IN MEDICAL TROOPS

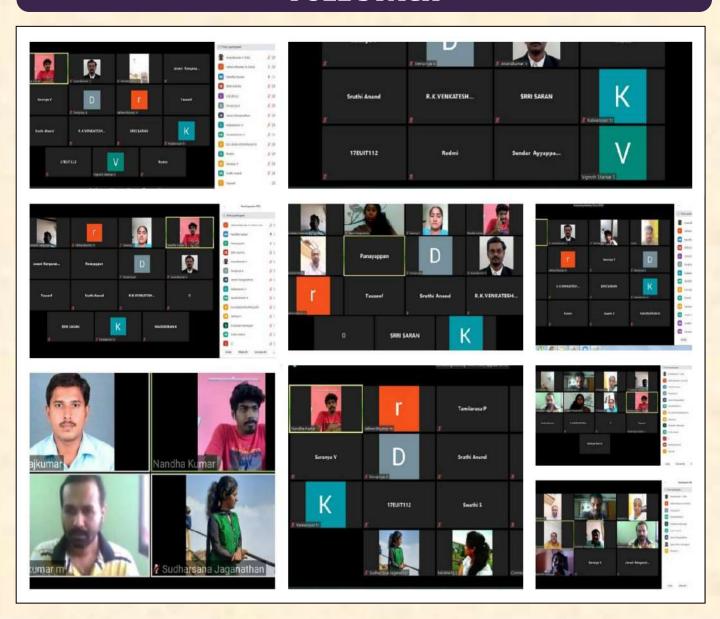




The Institution's Innovation Council (IIC) and Department of CSE organized a webinar session for students and faculty through Google meet on "Data Science in Medical Troops" on 22.04.2020. The Resource person for the session was Mr.Menith Rahul, Senior Associate, Avantor-VWR, Coimbatore. He explained the needs of Data Science, Data Science life cycle, Skills and Tools for Data Science. He also enlightened the Role of Data Science in Medical Field.



IT | SUPPORTING TOOLS AND TECHNOLOGIES FOR **FULL STACK**



Faculty members of IT Department attended a webinar on the topic

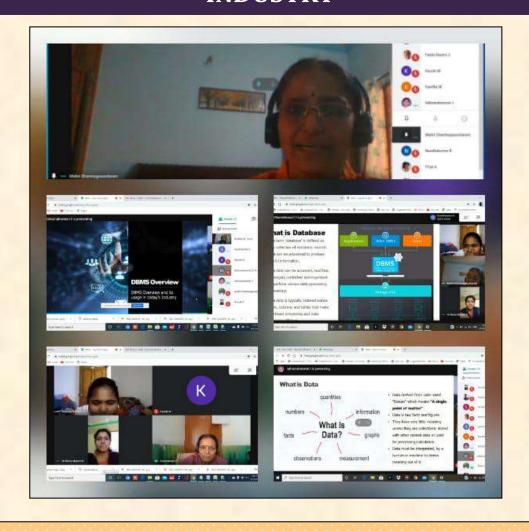
"Supporting Tools and Technologies for Full Stack" on 24.04.2020.

Resource Person:

Mr.K.Nandhakumar, Software Associate, Mr. Cooper-Nationstar.



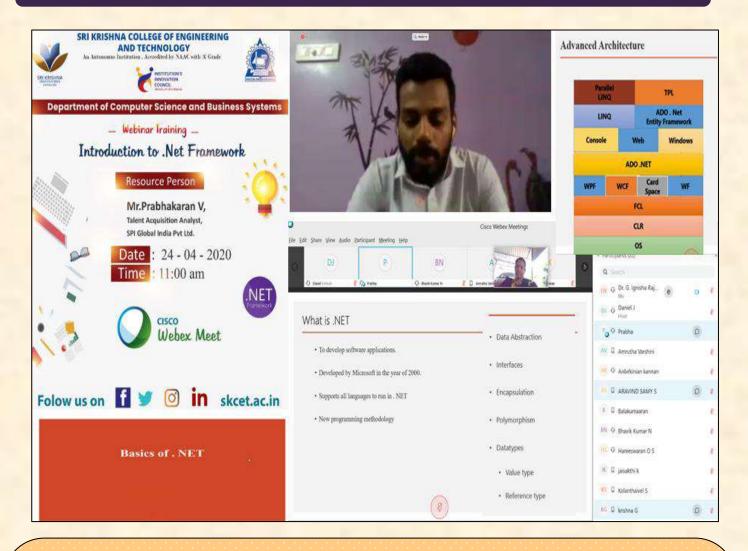
CSE | ROLE OF DATABASE MANAGEMENT SYSTEM IN **INDUSTRY**



The Institution's Innovation Council (IIC) of SKCET and Department of CSE organized a webinar session for the Second year students and faculty through Google meet on "Role of Database Management System in Industry" by Ms.Malini Sundaram, Program Manager, Tech Mahindra Limited on 23.04.2020. She enlightened the Scope of DBMS in industry, Relational Databases Vs nosql, nosql avoids, Ranking of DBMS, Data Analytics in DBMS. She also highlighted the Future of DBMS - Augmented Intelligence and Real time Streaming.



CSBS | .NET FRAMEWORK



Department of Computer Science and Business Systems organized a webinar titled "Introduction to .Net Framework" on **24.04.2020** for faculty members and students of First and Second year through Cisco WebEx app. Mr.V.Prabhakaran, Talent Acquisition Analyst, SPI Global India Pvt Ltd was the resource person. He elaborated the session and Architecture, Object with Introduction to .Net Programming Basics, Access Specifiers, Generics, Various Functions, Constructors - Syntax and examples and general real-world examples.



ECE | IoT IN NON-AUTOMOTIVE INDUSTRIES WITH **EMBEDDED LINUX**













Students and Faculty members of ECE department attended a webinar on 24.04.2020 under the topic "IoT in Non-Automotive Industries with Embedded Linux" by Mr. Ranjith Prabhu, Software Engineer, Robert **Bosch**. Key points discussed were IoT in home automation and Industrial automation and Embedded Linux platform for IoT. He also shared his project and real-time work experience with students.



ECE | IOT BASED VEHICLE VIBRATION PREDICTION USING RNN







Faculty members and Students of ECE Department attended a webinar on IoT based Vehicle Vibration Prediction using RNN. Resource person was Dr.T.S.Pradeep Kumar, professor, VIT Chennai. Highlights were Process of real time data collection using sensors, RNN model uses for training and prediction and Storage of vibration data by vehicles.

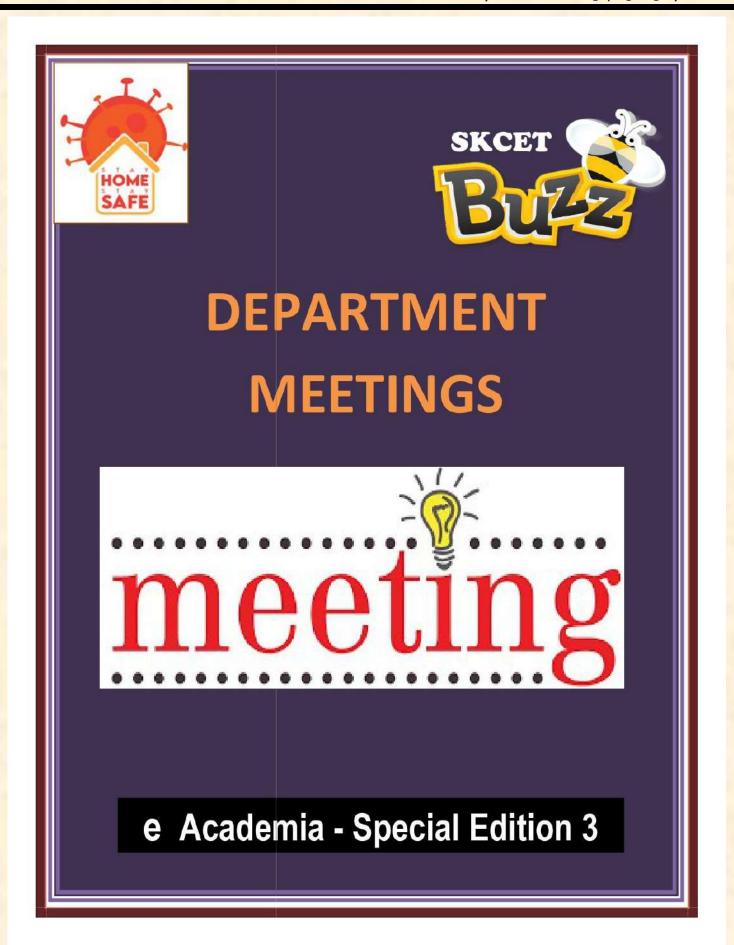


CSBS | MANAGERIAL ETHICS AND LEADERSHIP



Department of Computer Science and Business Systems organized a webinar titled "Managerial Ethics and Leadership" on 25.04.2020 for faculty, I year and II year students of CSBS through Cisco WebEx app. Dr. P Stella, Head of the Department, Department of Business Administration, St. Xavier's College, (Autonomous), Tirunelveli was the resource person. She elaborated the session with Leadership and Business Ethics, What is real Leadership?, Excellence in Leadership -Examples, Significance of Leadership, Leadership Traits, Style, Theory-Matrix, Mangers Vs Leaders and CASE STUDY - Ratan TATA (TCS). It was a vibrant and fruitful session for all.







CSE| **FACULTY MEETING – 20.04.2020**



Dr. K. Sasi Kala Rani, Head of the Department, CSE convened a meeting with the faculty members through Google Meet to discuss the week activities like upcoming Webinars, FDPs, R&D Targets, Placement Training Monitoring and other Assigned Academic Activities.



IT | DEPARTMENT MEETING - 19.04.2020



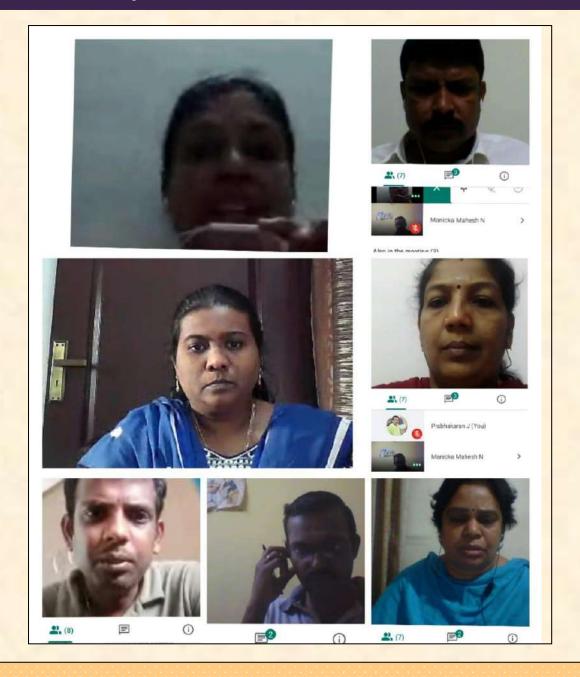
Dr.N.Susila, HOD, Information Technology convened a meeting with the faculty members and discussed the tasks to be done during the pandemic period. Key points on events regarding SAMADHAN were deliberated.

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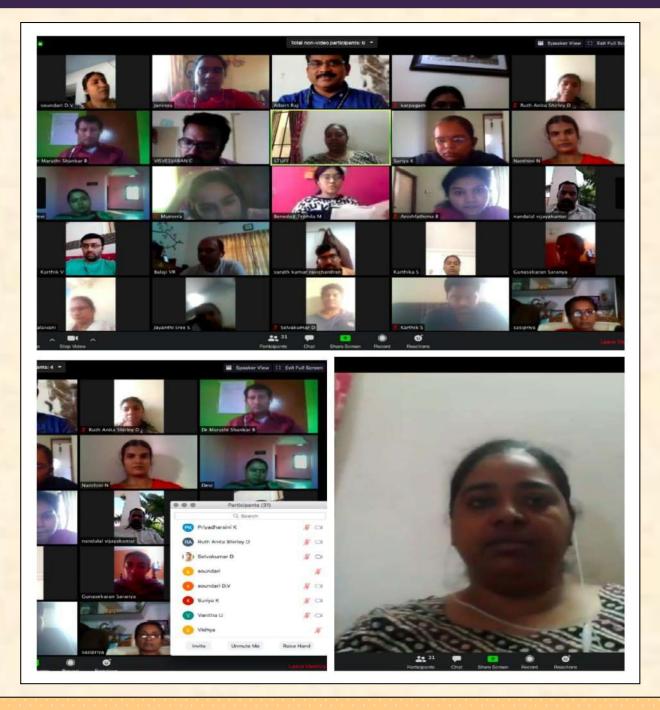
SOM | FACULTY MEETING - 20.04.2020



Dr. P.Thamaraiselvi, Head of the Department, School of Management convened a meeting with the faculty members on 20.04.2020 via Google Meet. Key Points of discussion were: Budget - SoM, EDC, Women Empowerment, Webinar Series, Research proposals, BoS, II MBA projects, USVA activities, Online lecture series and IIC webinars.



ECE | DEPARTMENT MEETING-20.04.2020



Dr.S.Sophia, HoD, Department of ECE conducted a meeting with the faculty members on 20.04.2020. The agenda was on R&D proposal Paper Publications, Student submissions, engagement and preparedness for upcoming semester.



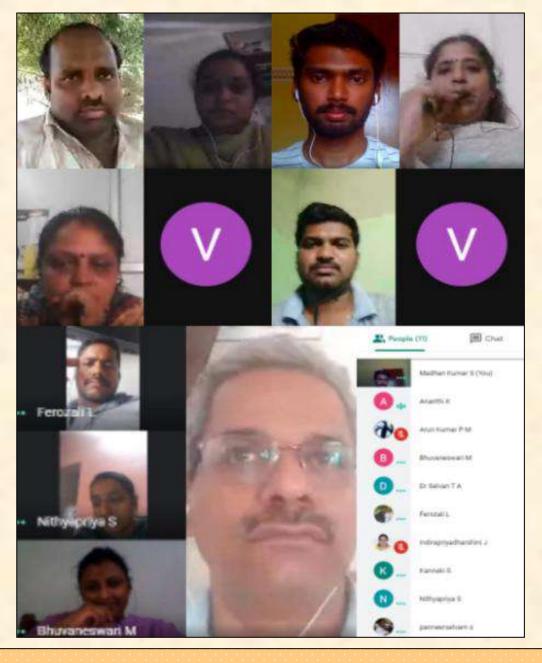
MECH | FACULTY MEETING - 21.04.2020



Dr. P. Ashoka Varthanan, Head of the Department, Mechanical Engineering convened a meeting with the faculty members on 21.04.2020 via WebEx application. R & D project proposals, Online courses, Webinars planned, Faculty publications, Coaching classes, Tutor Ward meetings and Samadhan event were the points discussed during the meeting.



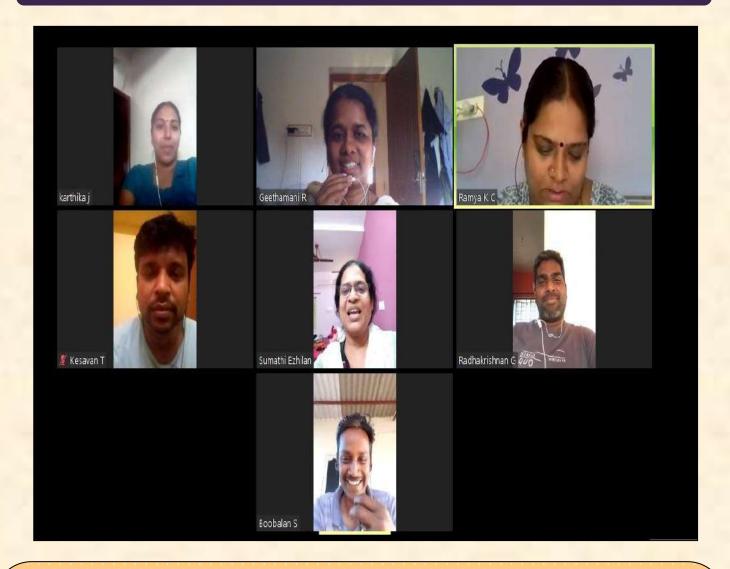
MCT | FACULTY MEETING - 22.04.2020



Dr. T.A.Selvan, Head of the Department, MCT convened a meeting with the faculty members on 22.04.2020 via GOOGLE MEET. Pointers on R&D proposal submissions and Paper Publications, Placement practice tests followup, Preparedness for upcoming Semester and conduction of webinar were discussed.



EEE | USVA MEETING - 22.04.2020



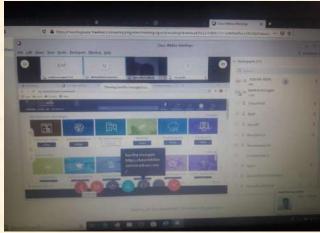
Dr.K.C.Ramya, Head of the Department, EEE convened a meeting with the USVA coordinators of the Department and the following points were discussed during the meeting: Work allocation, Conducting Awareness program for nearby Villages and preparation of Awareness Video by students.

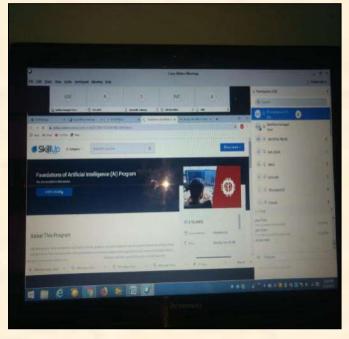


PLACEMENT | WIPRO NASSCOM FUTURESKILLS MENTORING SESSION

Wipro Nasscom Futureskills mentoring session was conducted for the students of MCT and CIVIL Engineering by the Placement team. Future skills portal access, Wipro TalentNext course access, Course contents of AI, Big Data and IOT and importance of completing these digital skills were the pointers of discussion.





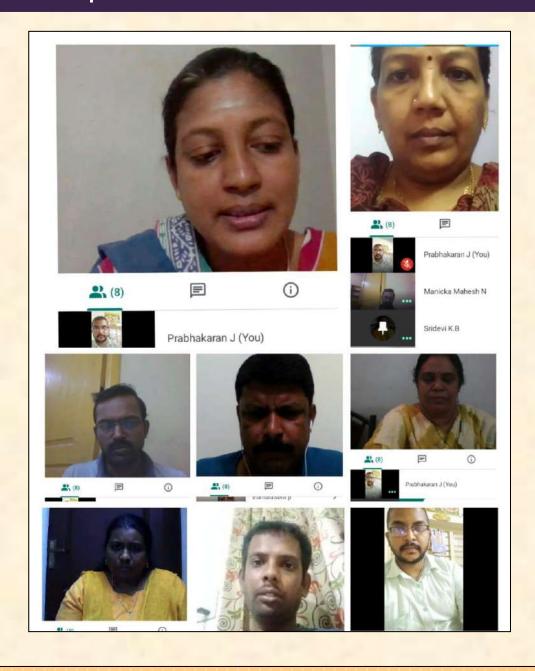




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SOM| FACULTY MEETING - 23.04.2020

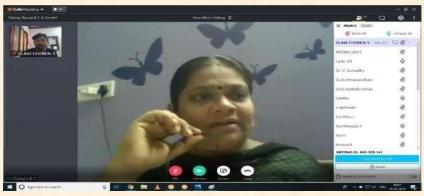


Dr. P.Thamaraiselvi, Head of the Department, School of Management convened a meeting with the faculty members on 23.04.2020 via Google meet. Key Points of discussion were: Tutor ward meetings, Online Certification course, NIRF, ARIIA, Online lecture series and IIC webinars.



EEE | FACULTY MEETING -25.04.2020

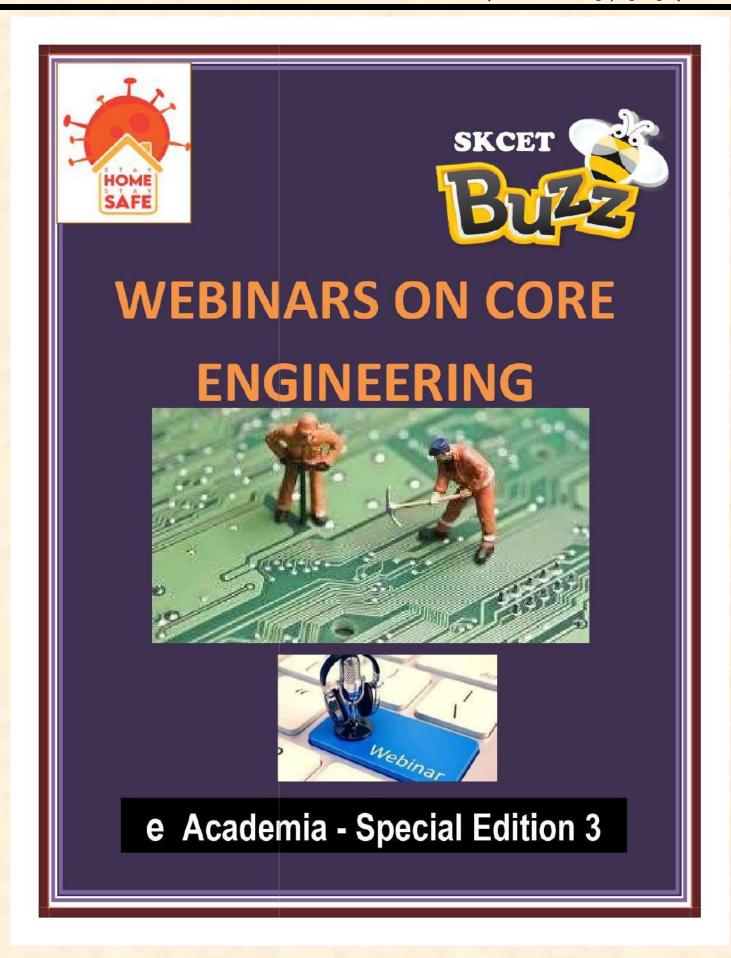




Dr.K.C.Ramya HoD,EEE convened a meeting with the faculty members on 25.04.2020 and the following points were discussed during the meeting:

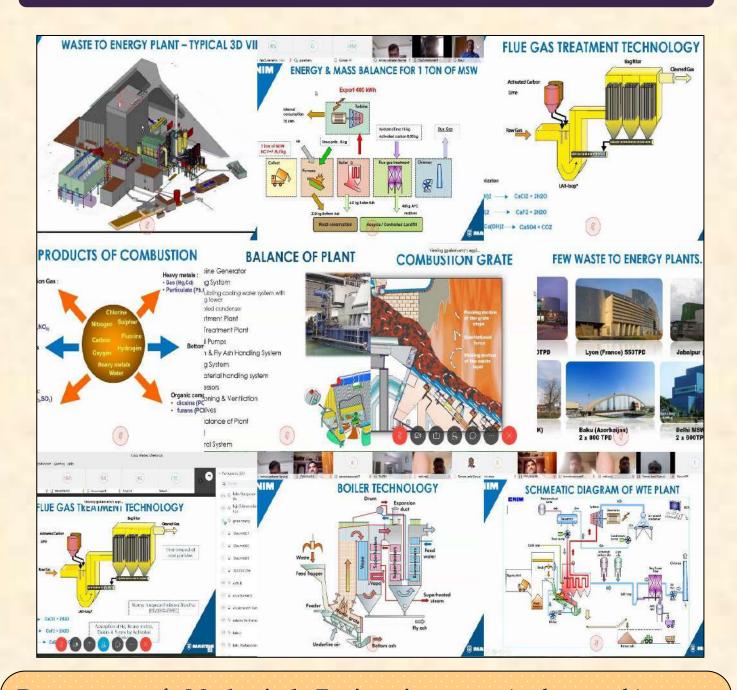
- Online coaching class, Webinars, other IIC activities
- Progress of ATAL FDPs, Online courses, NITTTR registered courses.
- R&D Publications & Proposal submissions
- **Budget Proposal**
- ICT registration
- Students' Participation in various competitions







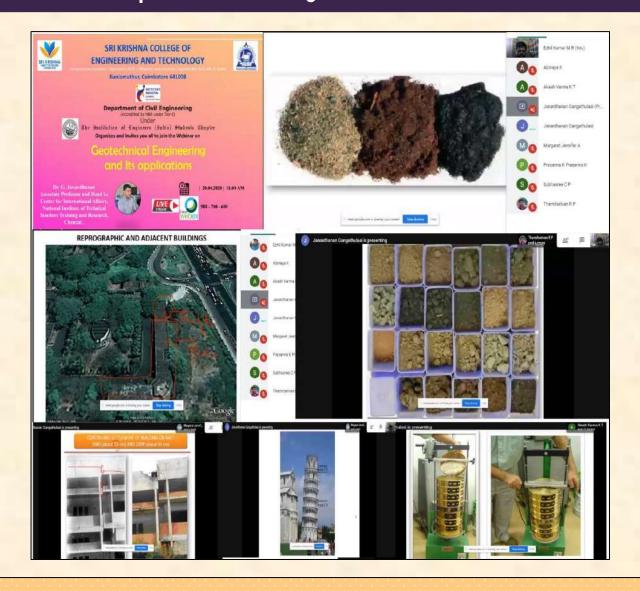
MECH | WASTE TO POWER PLANTS



Department of Mechanical Engineering organized a webinar "Introduction Waste **Power** Plants" 18.04.020. to to on GopalakrishnanPalanisamy Head - Engineering & Tendering, CNIM Martin, Chennai was the resource person of the webinar. He delivered a talk on the utilization of municipal solid waste for power production.



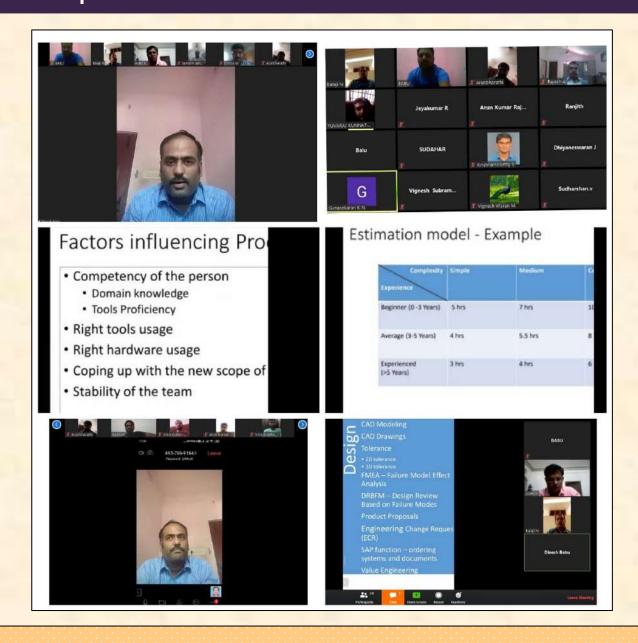
CIVIL | GEOTECHNIQUES & APPLICATION



Department of Civil Engineering organized a Webinar Engineering and its Application" on "Geotechnical 20.04.2020. Dr. G. Janardhanan, Associate Professor, Head of Centre for International Affairs, NITTTR, Chennai was the resource person. The highlights of the webinar were based on the case studies relating structural failure caused by poor understanding, estimation of soil properties and mechanics of various soil types.



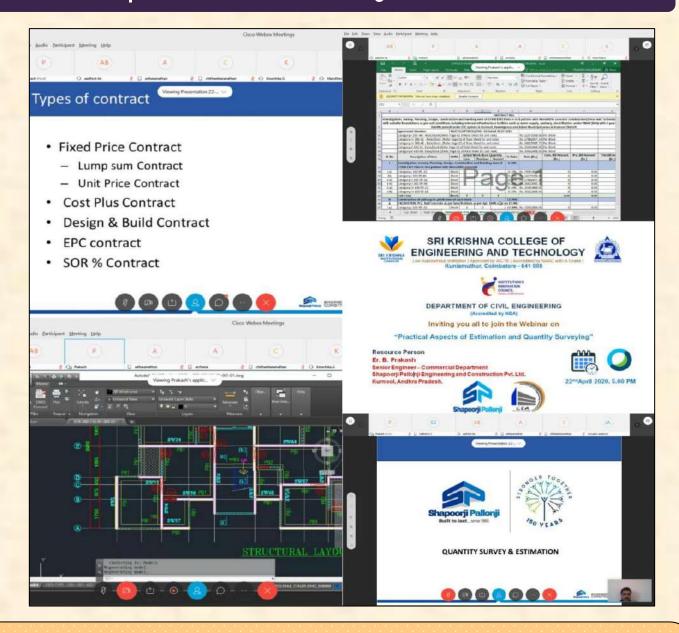
MECH | PRODUCTIVITY IN PRODUCT DEVELOPMENT



Department of Mechanical Engineering organized a webinar "Productivity in Product Development: Industrial Practices" 18.04.2020. Mr. K.K Dinesh Babu, Manager/DC projects, Robert Bosch was the resource person of the webinar. He discussed about the means of improving the productivity in industries and highlighted the new product development process.



CIVIL | ESTIMATION AND QUANTITY SURVEY



A webinar on "Practical Aspects of Estimation and Quantity Survey" was organized by the Department of Civil Engineering on 22.04.2020. The session was handled by Mr. B. Prakash, Senior Engineer, Shapoorji Pallonji Engineering and Construction Pvt. Ltd. He delivered a talk on Estimation, Contracts, Quantification and rate analysis. Faculty members and the students from the Civil Engineering Department attended the webinar.



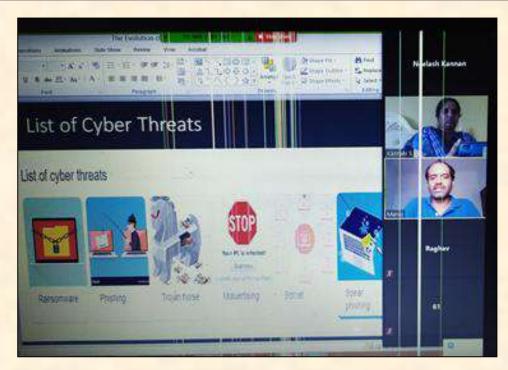
MECH | PREDICTING ADDITIVE MANUFACTURING BUILD CRACKS USING XFEM



Department of Mechanical Engineering in association with Dassault Systemes Simuli has successfully organized a Webinar on the title "Predicting Additive Manufacturing Build Cracks Using XFEM" on 19.04.020. Mr. Vishal Savane, Industry Solutions Manager of SIMULIA was the Guest speaker. The resource person discussed Support structure design in AM, Process planning and Virtual printing.



MCT | CYBER SECURITY & ETHICAL HACKING

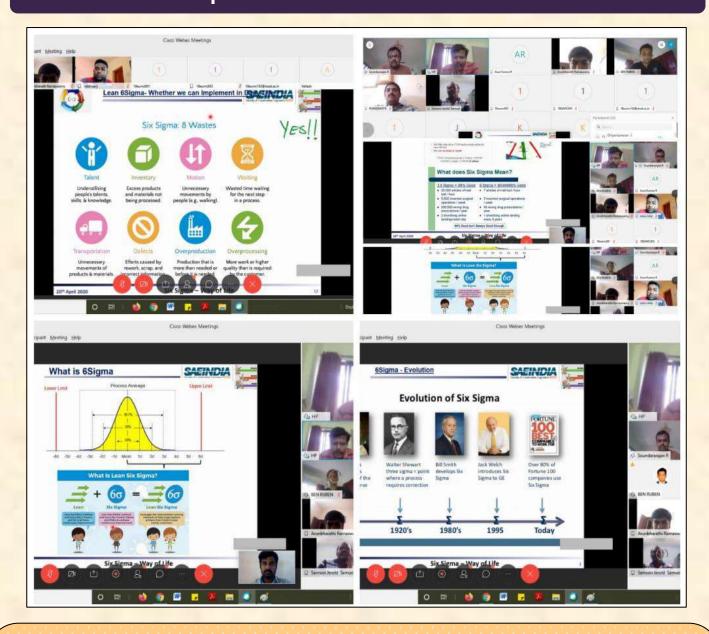




A Webinar was organized for the Second and Third year Mechatronics Engineering students on Cyber Security and Ethical Hacking on 20.04.2020. Mr.Manoj Kumar Kamatchi, Cyber security lead, Accenture, Bangalore was the resource person of the session.



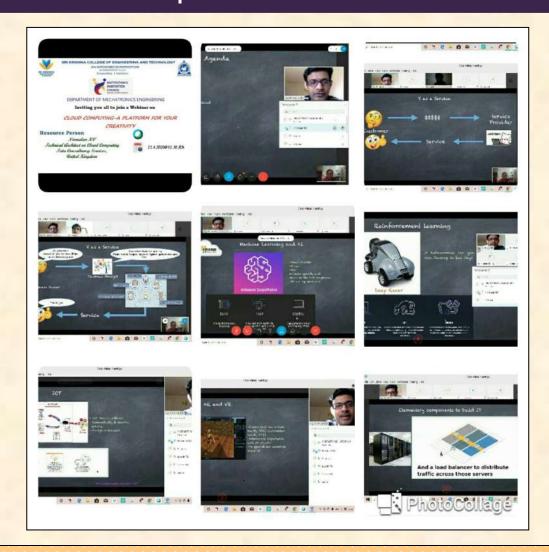
MECH | SIX SIGMA - THE WAY OF LIFE



Department of Mechanical Engineering and SAE-SKCET Collegiate club Students' Chapter organized a webinar on the topic "Six Sigma -The way of life" on 20.04.2020. Mr.C.Pradeep, General Manager, R&D, Force Motor, Pune was the resource person of the webinar. He discussed about the Evaluation of Six Sigma and the benefits of implementing Six Sigma and its tools in industries.



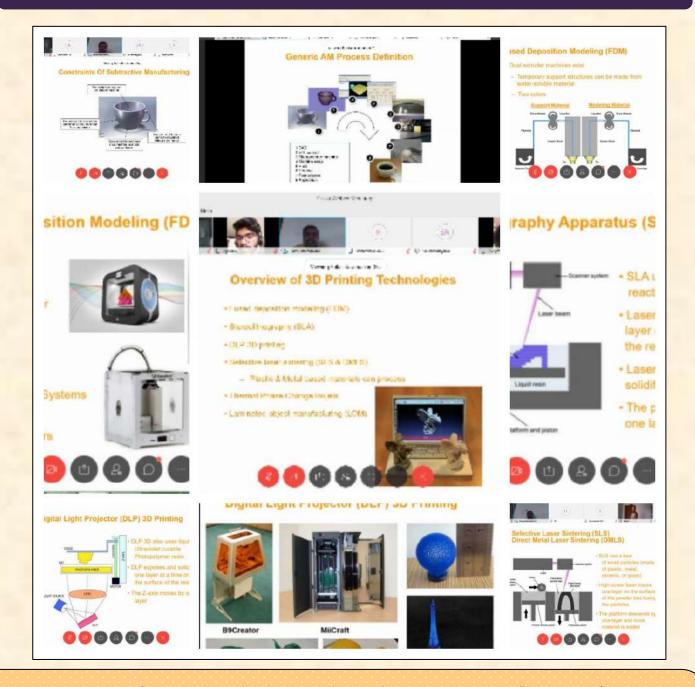
MCT | CLOUD COMPUTING



The Department of Mechatronics Engineering, SKCET organized a webinar on "Cloud computing - A platform for your creativity" Nirmalan KV, Technical Architect on Cloud Computing, Tata Consultancy Services, United Kingdom shared his expertise on how to the access the applications and data from any location worldwide and from any device with an internet connection. He also explained how cloud computing is helping the society to cope with future problems such as managing big data, cyber-security and quality control.



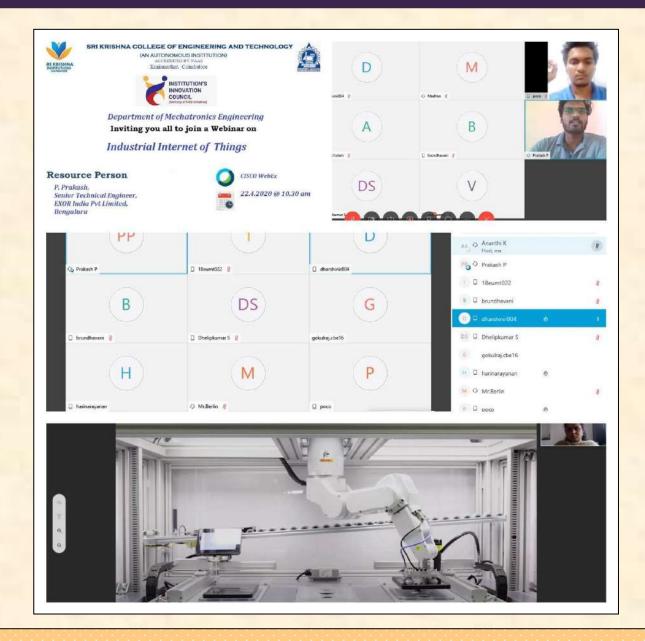
MECH | ADDITIVE MANUFACTURING



Department of Mechanical Engineering organized a webinar on "Additive Manufacturing" on 20.04.2020. Mr. Balasubramanian.G, Assistant Manager, G-Plast Private Limited, Coimbatore was the resource person of the webinar. He delivered a talk on various techniques and advancements in Additive Manufacturing.



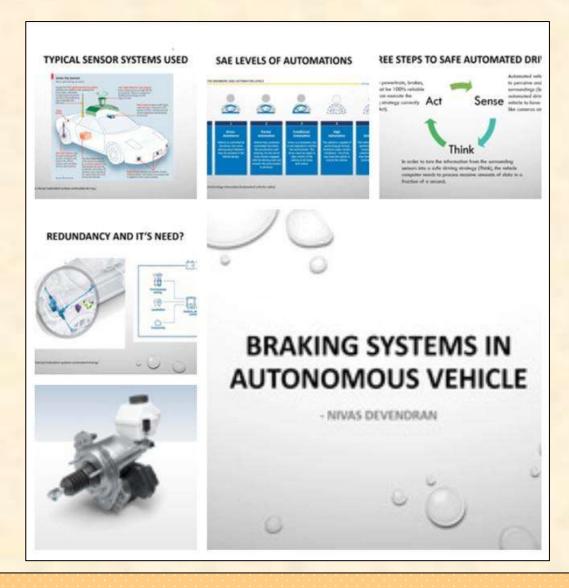
MCT | INDUSTRY INTERNET OF THINGS



The Department of **Mechatronics Engineering**, organized a webinar on Industrial Internet of Things on 22.4.2020. Mr. P. Prakash, Senior Technical Engineer, EXOR India Pvt Limited shared his expertise in the field of IIoT. He highlighted the Implementation of IoT in industries, skill sets required for implementing IoT, Machine to machine control protocols, Industrial 4.0, advantages of IIoT.



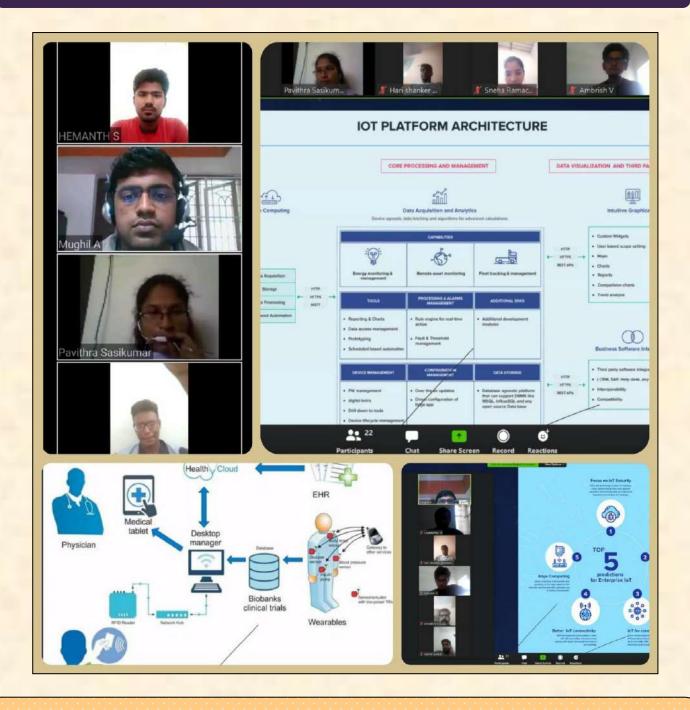
MECH | BRAKING SYSTEMS IN AUTONOMOUS VEHICLES



Department of Mechanical Engineering organized a webinar on "Braking Systems in Autonomous Vehicles" on 20.04.2020. Mr. NivasDevendran, Development Manager, Robert Bosch GmbH, Germany was the resource person of the webinar. He delivered a talk on SAE Autonomous Vehicle Standards and Advanced Braking System (i-booster).



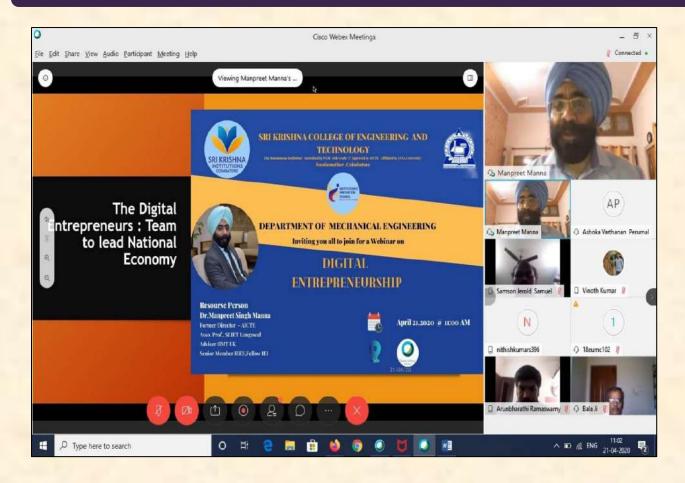
EEE | IoT APPLICATION IN HEALTHCARE



Department of EEE organised a Webinar for III year EEE students on 'IOT Application in Healthcare' on 18.04.2020 by Mr. Mugil Arul (EEE 2016 Batch Alumnus), Product Consultant-WebNMS, IoT division of ZOHO Chennai.



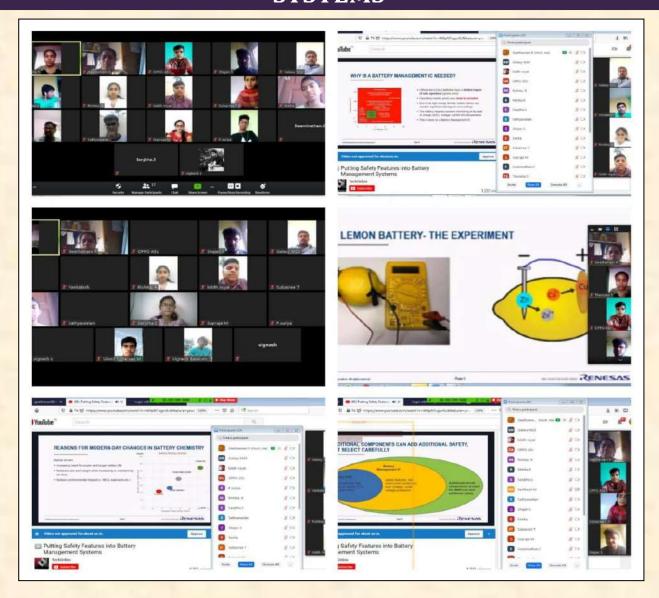
MECH | ADDITIVE MANUFACTURING



Department of Mechanical Engineering in association with the Institute of Indian Foundrymen students' chapter organized a Webinar titled "Digital Entrepreneurship" on 21.04.2020 through Webex app. Dr. Manpreet Singh Manna, Former Director - AICTE, Associate Professor, SLIET Longowal and Adviser IIMT UK was the resource person. He delivered the lecture to the students and faculty members and highlighted the importance of digital entrepreneurship. He discussed about the skills required for digitization of businesses, challenges and opportunities in digital marketing.



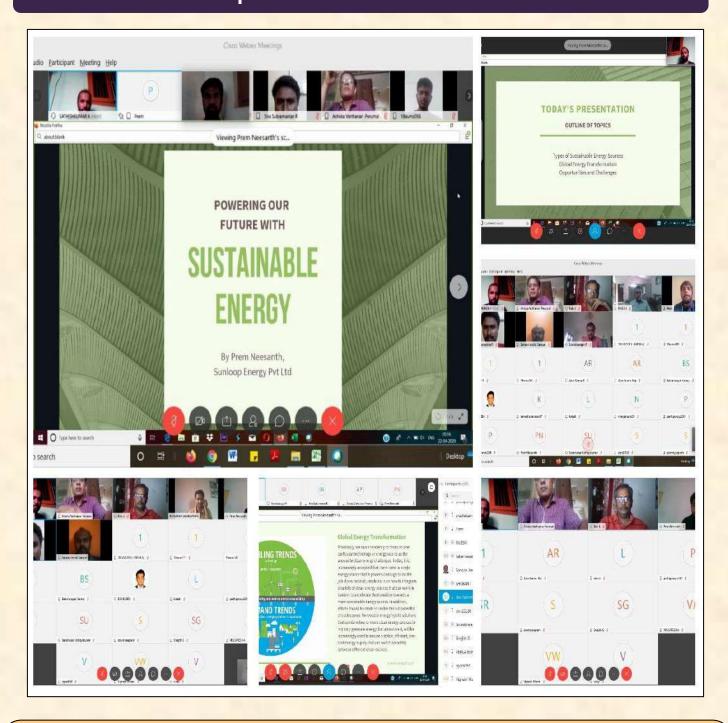
EEE | SAFETY FEATURES FOR BATTERY MANAGEMENT SYSTEMS



Department of EEE organised a Webinar for II year EEE students on 'Safety Features for Battery Management Systems' on 20.04.2020 by Mr. Stephane Overhoff, Application Engineer, Rennesas Electronics. The expert discussed on the overview of Monitoring of Cell Temperature, Estimation of SoC and SoH, Battery control charging profile, Isolation of battery and Advanced safety measures.



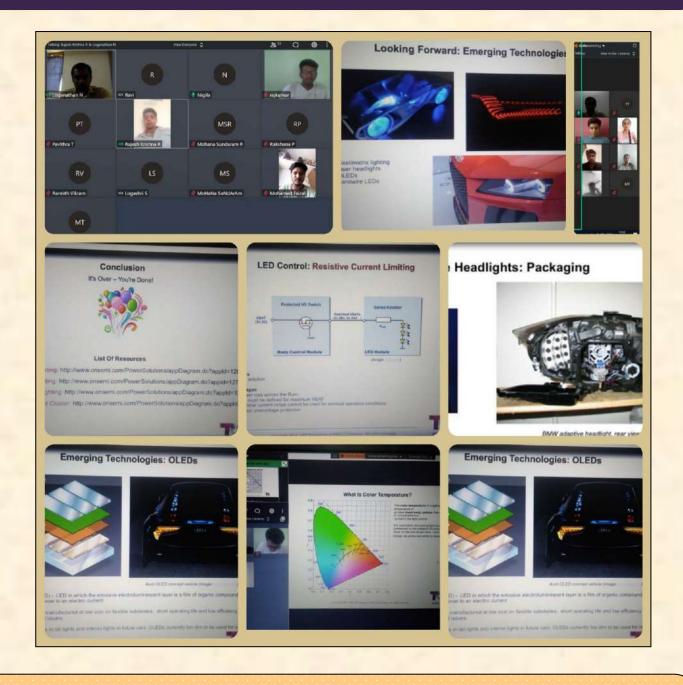
MECH | SUSTAINABILITY ENERGY



Mechanical Engineering organized Department of webinar "Sustainable Energy" on 22.04.2020. The session was handled by Mr. PremNeesanth, Director, Sunloop Energy - Coimbatore. He delivered a talk on Global Energy Transformation, Opportunities, and Challenges.



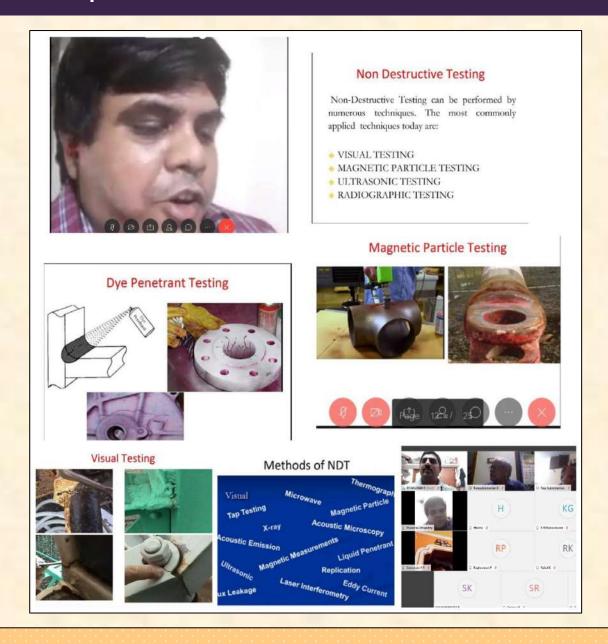
EEE | LIGHTING TECHNOLOGY FOR AUTOMOBILES



Department of EEE organised a Webinar for II EEE students on 'Lighting Technology for Automobiles' on 21.04.2020 by Mr. Paul Pickering, ON Semiconductor. An overview of Lighting standards and regulation, LED front and rear Lighting, Interior and Dash board lighting and Emerging Lighting Technologies were some of the topics discussed.



MECH | NON DESTRUCTIVE TESTING AND ASNT



Webinar on Non Destructive Testing and ASNT was organized by the Mechanical **Engineering** of 22.04.2020. Department on Mr.R.U.Prasanna, Senior Surveyor, Bureau Veritas India Pvt Ltd, Chennai was the resource person. He delivered a talk on inspection and testing of mechanical elements using NDT and also discussed the various certification levels available in NDT.



EEE | ANSYS SOLUTION FOR BATTERY MODELING AND **SIMULATION**



The Faculty members of EEE attended a Technical Webinar on 'Ansys solution for Battery Modeling and Simulation' organized on 21.04.2020 by Dr. Aravind Kishore, Technical Expert, Ansys. The expert discussed on the overview of Battery Electro-thermal coupled model, Battery Electrochemistry model, Equivalent Circuit Model, Thermal Linear and Time invariance Reduced Order Model (ROM).



MCT | HOW TO CRACK GATE IN FIRST ATTEMPT

Department of MCT organised a Webinar for the Mechatronics Engineering students on "How to crack GATE in first attempt" on 24.04.2020 by Mr. V. Akhash and Ms. J. Jarlin Beulah. Materials used for gate preparation, Benefits of GATE examination, expected score, duration for preparation, When to start the preparation and preparation strategies were the key take-aways of the session.







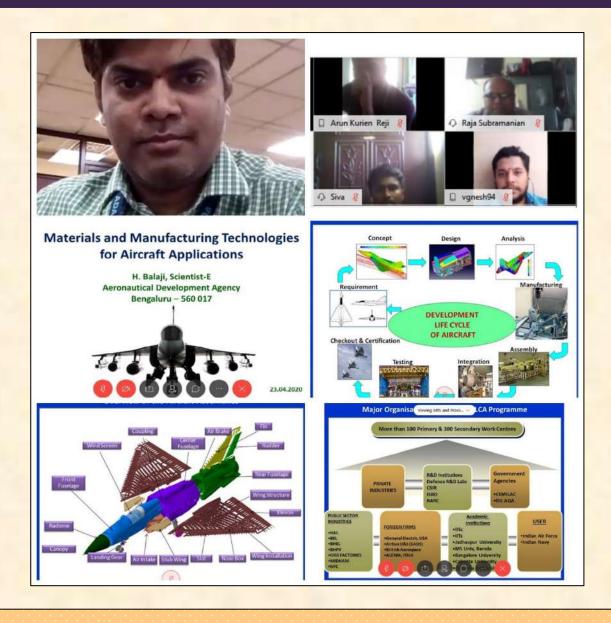








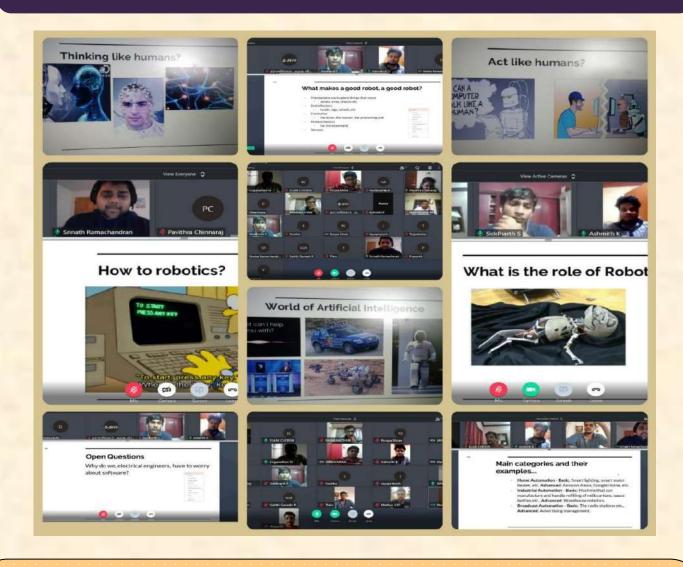
MECH | MANUFACTURING OF COMBAT AIRCRAFT



Department of Mechanical Engineering organized a webinar on "Manufacturing of Combat Aircraft" on 23.04.2020. Mr. H Balaji, Scientist-E, Aeronautical Development Agency Bengaluru was the resource person of the webinar. He delivered a talk on the manufacturing process involved in producing combat aircrafts and discussed about challenges in materials selection.



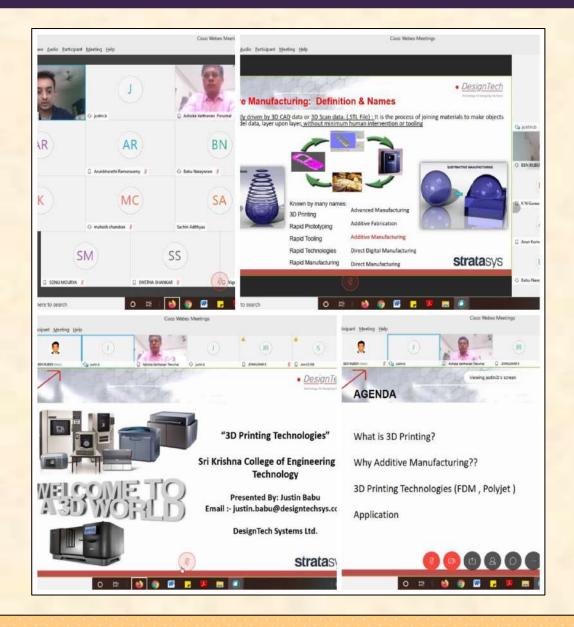
EEE | ROBOTICS & MACHINE LEARNING-ROLE OF RASPBERRY PI & ARDUINO



Department of EEE organised a Webinar for III year EEE students on Robotics & Machine Learning-Role of Raspberry Pi & Arduino on 24.04.2020 for buildings and Industry by Mr. Srinath Ramachandran, Embedded Firmware/Software Engineer, Kodak Alaris Inc Rochester, **New York.** The expert discussed the overview of different automation system, Role of Robotics, Artificial Intelligence and Natural Language Processing.

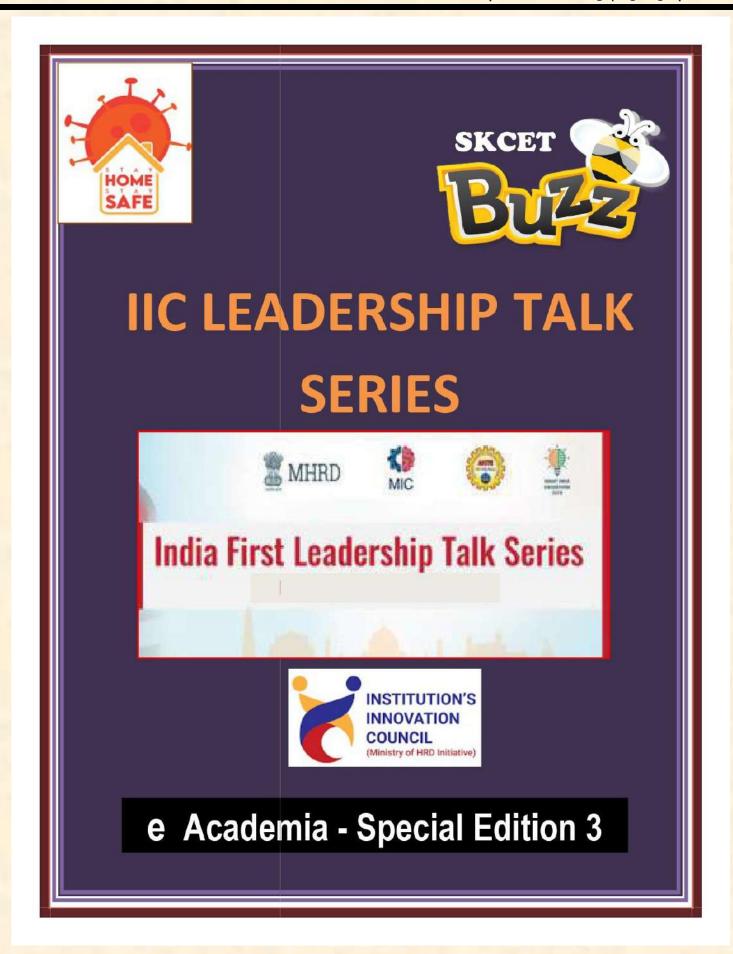


MECH | 3D PRINTING TECHNOLOGIES



Department of Mechanical Engineering organized a webinar on "3D Printing Technologies" on 23.04.2020. Mr.Justin Babu, Senior Manager, DesignTech Systems Bengaluru was the resource person of the webinar. He discussed the cutting edge technologies adopted in the field of Additive Manufacturing and latest advancements deployed in medical applications using 3D printers.









Institution's Innovation Council of SKCET organized a webinar on "Leadership Talk" with Prof. K. K. Aggarwal, Chairman/NBA - Govt. of India on 18.04.2020. Students and faculty members of Sri Krishna College of Engineering and Technology watched the webinar. He explained the necessity of Accreditation.





Students and Faculty members of SKCET attended a webinar on "Leadership Talk" with Mr. Yashraj Bharadwaj, Co-Founder/Zenith Vipers & Partner/Ensure Equity on 20.04.2020 organized by Institution's Innovation Council of SKCET. Mr. Yashraj Bharadwaj with his partner filed and sold their first patent to US Company for 1 million USD during their schooling. In his talk, he shared his experience and motivational factors which made him to start his research and become an entrepreneur at the school days.





Institution's Innovation Council of SKCET organized a webinar on "Leadership Talk" with Dr. Gururaj Deshpande, Indian - American Venture Capitalist and Entrepreneur on 21.04.2020. The resource person shared his inspiring journey from a small city in Karnataka to become one of the wealthiest persons in United States of America. He also discussed about the success and failures he faced throughout his career.





Institution's Innovation Council of SKCET organized a webinar on "Leadership Talk" with Padma Shri Vaidya Rajesh Kotecha, Secretary/Ministry of Ayush - Government of India on 22.04.2020. In his interaction with Dr. Abhay Jere, Padma Shri Vaidya Rajesh Kotecha explained the steps taken by Ministry of Ayush to fight against the Pandemic. He also gave awareness to the listeners that people should not believe the claims made by the practitioners that they have cure for COVID-19.





Institution's Innovation Council of SKCET organized a webinar on

"Leadership Talk" with Mr. Goutham Bambawale IFS, Retd. Indian

Diplomat Ex - Indian Ambassador to China on 23.04.2020. In his talk, he

elaborated about the setbacks received by China because of the impact

of COVID-19 in western countries.

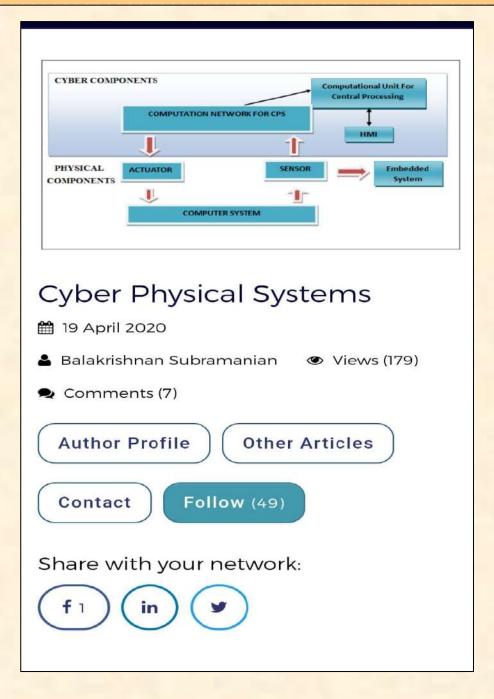






R&D|TECHNICAL ARTICLE PUBLICATION - CSBS

A research article titled "Data Talk in Data Science Foundation" authored by Dr. S. Balakrishnan, HOD - CSBS has been published in the April 2020 edition of "Data Science Foundation" Magazine. The link is: https://datascience.foundation/datatalk/cyber-physical-systems





R&D | JOURNAL PUBLICATION- CIVIL



Ms.S.Vaishnavi Devi, Assistant Professor of Department of Civil Engineering has published a paper titled "Infrastructure Development Planning for the City of Madurai" on Journal of Xian University of Architecture and Technology (JXAT Journal), Volume XII, Issue IV, April 2020.



Mr.S.Sadheesh, Assistant Professor of Department of Civil Engineering have published a paper titled "Statistical Assessment of Physico-Chemical Properties of Groundwater in Coimbatore" on Journal of Xian University of Architecture and Technology (JXAT Journal), Volume XII, Issue IV, April 2020.



R&D | JOURNAL PUBLICATION-S&H



ORIENTAL JOURNAL OF CHEMISTRY

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Effect of Diethyl Carbonate as Additive to Waste Plastic Oil on Performance and Emission of a Diesel Engine

PAPPULA BRIDJESH¹ and NARAYANAN KANNAIYAN GEETHA²⁴

*Department of Mechanical Engineering, MLR Institute of Technology, Hyderabad 500043, India. Department of Science and Humanities, Sri Krishna College of Engineering and Technology, Coimbatore 641008, India.

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http://dx.doi.org/10.13005/ojc/360125

(Received: January 11, 2020; Accepted: February 12, 2020)

Usage of oxygenated fuels either as replacement to fossil fuels or as additives to fossil fuels and alternative fuels is given much interest. District Carbonate (DEC) is an oxygenated additive which is non-toxic in nature and biodegradable as well. The objective of this study is to replace utilization of diseal fuel on diseal engine by 50 volks with Waste Plastic Oil (WPO), its study also analyses the effect of addition of DEC in proportions of 5, 10 and 15 volks to WPO on performance and emission of a diseal engine. Test fuels DSOWPOS0 (50% diseal+50% WPO), D50WPOSDECIG (50% diseal+50% WPO), D50WPOSDECI Addition of DEC to WPO-diesel blends not only optimize the burning process but also minimize engine exhaust emissions. The problems of fuel energy crisis and plastic waste management can be addressed simultaneously with production and utilization of fuel produced from plastic wastes.

Keywords: Waste plastic oil, Diethyl carbonate, Oxygenated additive, Diesel engine

INTRODUCTION

Technically products like coal, alcohols, gas oil, heavy oil, diesel, petrol etc., are used as fuels. However, petroleum products such as diesel and gasoline are being used as fuels for internal combustion engines widely. The depletion of fossil fuels, price of crude oil and environmental considerations forced the engine manufacturers to

look for alternative fuels1. With the rapid development in engine technology, a few alternative fuels being utilized on engines as blends. It is desirous to replace fossil fuels with alternative fuels. The greatest dis-advantages to adapt most of the alternative fuels in neat form are viscosity, calorific value incomplete combustion and higher exhaust gas emissions. In this regard, chemical additives play a vital role not only to enhance the properties of alternative

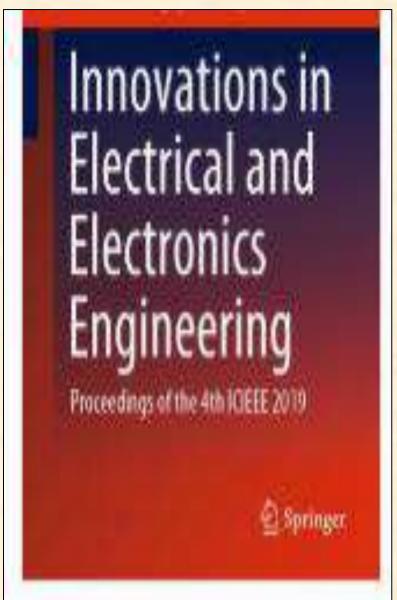
This is an 👸 Open Access article housed under a Creative Commons house: Attribution 4.0 International (OC-BY). Published by Oriental Scientific Publishing Company & 2018.

1

Dr.N.K. Geetha, Assistant Professor, S&H has published a paper entitled on "Effect of Diethyl Carbonate as Additive to Waste Plastic Oil on Performance and Emission of a Diesel Engine" in Oriental Journal of Chemistry, with ISSN:0970-020X, Vol.36, Pg.189-194, April 2020 in WOS journal.



R&D | BOOK CHAPTER PUBLICATION – CSE/IT





Ms.N.Pooranam, Assistant Professor, CSE and Mr.M.Diwakaran, Assistant Professor, IT have published a book chapter "A Smart Machine For Fitness Care Scrutinizing Technique - A Review ", by Proceedings of the 4th IOEEE 2019, Springer. Date: 24.03.2020.

19-25 APRIL 2020 | Daily Newsletter

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R&D | JOURNAL PUBLICATION-CIVIL



March - April 2020 ISSN: 0193-4120 Page No. 14419 - 14426

Microstructure Study on Flyash based Geopolymer Paste

S Vaishnavi Devi1, Abdul Wahaab H2 D Gitanjali3 Gowsalya Devi G4

¹Assistant Professor, Department of Civil Engineering, Sri Krishna College of Engineering and Technology, India Student, Department of Civil Engineering, Sri Krishna College of Engineering and Technology, India

Article Info Volume 83 Page Number: 14419 - 14426 Publication Issue: March - April 2020

This paper presents the microstructure of geopolymer paste made of flyash, collected from thermal power plant, Tuticorin and Nevveli Lignite Corporation, Also, paper includes the results of workability tests on geopolymer paste. Right now, experimental concentrates on sodium silicate and sodium hydroxide alkaline activators were used with ratio by mass between 0.29 to 0.4. The flyash based geopolymer were prepared with 8,10,12,14 and 16 molarity of sodium hydroxide for FA1 (TuticorinFlyash) and with 15,22 and 29 molarity of sodium hydroxide for FA2 (NeyveliFlyash). The studies on SEM images and EDAX spectra of flyash and flyash based geopolymer revealed that the surface texture is almost in amorphous nature and there are unreacted particles. It could be concluded that for FA2 there is no reaction at lower molarity of sodium hydroxide. Also, it was observed as molarity increases flyash based geopolymer paste prepared with FA2 had better agglomeration and intermolecular attraction between the atoms when compared to flyash based geopolymer paste prepared with FA1.

Article History Article Received: 24 July 2019 Revised: 12 September 2019 Accepted: 15 February 2020 Publication: 21 April 2020

Keywords: Flyash based geopolymer, flyash, inorganic polymer, SEM analysis, geopolymer paste

I. INTRODUCTION

Flyash is known to be one of the coal combustion products which comprises of fine particles that are usually driven out of the boiler with flue gases. Generally, more than 50% of absolute power creation in India is from coal based warm force plants. Total flyash generation in 2014-15 was about 184.14milliion tonnes and overall utilization of fly ash 102.54 million tonnes (55.69%) in the country (Central Electricity Authority, India). Report point by point that during the year 2014-15, the most extreme usage of fly debris to the degree of 42.26 % of all out fly debris used was in the Concrete division, trailed by 13.00 % in mine filling, 11.72 % in assembling blocks and tiles, 10.77 % in recovery of low lying zone, 9.56 % in debris dyke raising, 3.32 % in streets and dikes and so on. Coal necessity and age of fly debris evaluated for the year 2031-2032 is around 1800 million ton and 600 million ton individually. Consistently 95 million ton of fly debris is created which has involved around 65,000

sections of land of land (Service of Science and Innovation, India, 2010).

Fly debris has made significant commitment in the solid business as folio called geopolymer from the previous two decades. Joseph Davidovits (1998) [1] recommended that a basic fluid could be utilized to respond with the silicon (Si) and aluminum (Al) in a source material of topographical beginning or a result materials, for example, fly debris and rice husk debris to deliver fasteners and named as geopolymers.

Table 1: Chemical Composition of Fly Ash

Component	FA 1	FA 2
Silicon di oxide (SiO2) plus	81.49	76.97
Aluminium oxide (Al ₂ O ₃) plus		
Iron oxide (Fe ₂ O ₃), percent by		
mass		
Silica (as SiO2), percent by	52.03	35.23
mass		
Magnesium Oxide (as MgO),	3.27	4.15
percent by mass		

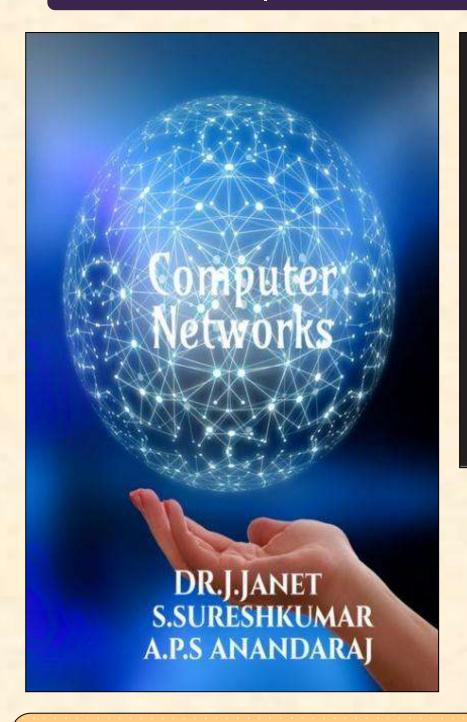
14419

Published by: The Mattingley Publishing Co., Inc.

Ms. S.Vaishnavi Devi, Assistant Professor, Civil Engineering and a student team comprising of Abdul Wahaab. H, Gitanjali.D and Gowsalya Devi.G of Civil have published a paper entitled on "Microstructure Study on Flyash based Geopolymer Paste" in Test Engineering and Management, with ISSN:0193-4120, Vol.83, Pp.14419-14426, April 2020. It is a Scopus indexed journal.



R&D | BOOK PUBLICATION - CSE



Computer Networks, is appropriate for Computer Networking or Introduction to Networking courses at both the undergraduate and graduate level in Computer Science, Electrical Engineering, and BusinessDepartments.

An author takes a structured approach to explaining how networks work from the inside out. They start with an explanation of the physical layer of networking, computer hardware and transmission systems; then work his way up to network applications. This book is supplemented by a Solutions Manual, as well as a Website containing PowerPoint slides, art in various forms, and other tools for instruction, including a protocol simulator whereby students can develop and test theirownnetworkprotocols.

It provides logical method of explaining various concepts and stepwise methods to explain the important topics. Each chapter is well supported with necessary practical examples. All the chapters in this book are arranged in a proper sequence this book explains the subject clearly and easily. It also helps in clear understanding of the subject andmakesitmoreinteresting.

Any suggestion for the improvement of the book will be welcomed and acknowledged.

XpressPublishing

Dr.J.Janet, Principal, SKCET, Mr.S.Sureshkumar, Assistant Professor,

CSE have published a book titled "Computer Networks" in Xpress

Publications, Chennai with ISBN Number: 9-781647-603236.



R&D | JOURNAL PUBLICATION - EEE



Scalable Computing: Practice and Experience, ISSN 1895-1767, http://www.scpe.org © 2020 SCPE Volume 21, Issue 1, pp. 63-72, DOI 10.12694:/scpe.v2li1.1613

A NOVEL APPROACH BASED ON MODIFIED CYCLE GENERATIVE ADVERSARIAL NETWORKS FOR IMAGE STEGANOGRAPHY

P.G. KUPPUSAMY * K.C. RAMYA | S. SHEEBA RANI | M. SIVARAM | AND VIGNESWARAN DHASARATHAN * ****

Abstract. Image steganography aims at hiding information in a cover medium in an imperceptible way. While tradition steganography methods used invisible inks and microdots, digital world started using images and video files for hiding the secret content in it. Steganolysis is a closely related field for detecting hidden information in these multimedia files. There are many steganography algorithms implemented and tested but most of them fall during Steganolysis. To overcome this issue, in this we are proposing to use generative adversarial networks for image steganography which include discriminative module to steganography image during training stage and that helps us to reduce the error rate later during Steganalysis. The proposed modified cycle Generative Adversarial Networks (Mod Cycle GAN) algorithm is tested using the USC-SIPI database and the experimentation results were better when compared with the algorithms in the literature. Because the discriminator block evaluates the image authenticity, we could modify the embedding algorithm until the discriminator could not identify the change made and thereby increasing the robustness

Key words: Generative Adversarial Network (GAN), PSNR, Steganalysis, LSB replacement, Cryptography, generator, dis-

AMS subject classifications, 94A66

1. Introduction. Steganography deals with embedding data in some cover medium. The content that is getting hidden should be not visible both perceptually as well as statistically. The embedding capacity also needs to be as high as possible with best robustness as well. Fig. 1.1 depicts a basic image steganography

The steganography process involves a cover image and a stego-key to hide the secret data in to the cover medium and produces a stego image as output. There are many algorithms discussed in the literature including those in spatial domain and transformed spectral domain. Though image steganography has many advantages compared to cryptography as they do not attract attention directly as in the case of the latter, they are still not very robust with the present day algorithms. There are many challenges including those through the Steganalysis methods that can identify the presence of secret data. This includes identification of visual attacks, statistical attacks and structural changes through different Steganalysis approaches. To overcome these issues, we propose a new methodology which includes inbuilt discriminator network to identify the above mentioned attacks during the initial stages of steganography process before producing the output stego image. Generative Adversarial Networks aims to generate data from zero and through reinforcement learning, the learning rate is higher. Since the generator alone can produce or create only some random noise, we need a mechanism to provide feedback to the generator. The discriminator portion of the GAN model will provide inputs to the generator model on what and how to create. So, when we have some secret data to be hided in a cover image, the discriminator will provide feedback to the generator on the best possible way to hide the data in an imperceptible way. We use real and generated images together for GAN's to learn initially on what is real and

Dr. K.C. Ramya, HoD, EEE and Dr. S. Sheeba Rani, Associate Professor, EEE have published a paper entitled on "A Novel Approach based on Modified Cycle Generative Adversarial Networks for Image Steganography " in Scalable Computing: Practice and Experience, Volume 21, Issue 1, pp. 63–72, April 2020. It is a Scopus indexed journal.

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Department of EEE, Sri Krishna College of Engineering and Technology, Coimbatore, India.

Department of Computer Networking, Lehanose French University, Erbil, Kurdistan Region, Iraq.

Division of Computational Physics, Institute for Computational Science, Ton Duc Thang University, Ho Chi Minh City,

Faculty of Electrical and Electronics Engineering, Ton Duc Thang University, Ho Chi Minh City, Vietnam. ** Corresponding Author mail ID: vigueswaran.d@tdtu.edu.vz



R&D| JOURNAL PUBLICATION - CIVIL





Mr.M.R.Ezhilkumar, Assistant Professor and Dr.P.Saravanakumar, Associate Professor of Department of Civil Engineering have published a paper titled "Estimation of Carbon Footprint for an Educational Institution located in an Urban part of Coimbatore" on Journal of Xian University of Architecture and Technology (JXAT Journal), Volume XII, Issue III, March 2020. It is Scopus indexed journal.



Mr. S.C.Boobalan, Assistant Professor of Department of Civil Engineering have published a paper titled "Impact of Marble Waste with Partial Replacement of Fine Aggregate in Concrete" on Journal of Xian University of Architecture and Technology (JXAT Journal), Volume XII, Issue IV, April 2020.



R&D | JOURNAL PUBLICATION- EEE

Comparative Study and Analysis of Human Knee Angle Measurement System



S. Boobalan, K. Lakshmi and K. N. Thirukkuralkani

Abstract Human gait analysis is one of the most important tools to drive the actuator of the bionic leg, which is designed and acts on the command received from the gait system. In this article, we implemented the inertial measurement unit from the gair system. In this article, we implemented the interful measurement unit (IMU) and image processing system using Kinovea software to measure the human knee angle. A traditional tool called goniometer was used to measure the human knee angle. An updated new modified goniometer is introduced in this project to analyze the human gait system. IMU sensors are interfaced with Arduine, and the data was acquired and stored in the PC for the purpose of further analysis. The Kinovea is one the powerful sports analysis software, which was introduced here to measure the human knee angle measuring in different lightening condition. The comparative human knee angle measurement was studied, in that the acquired data was commended with each cher system. was compared with each other system.

Keywords Human gait system - Goniometer - Inertial measurement unit - Kinovea sports software - Image processing system - Arduino

1 Introduction

For a normal human being, it is not a difficult thing to walk but incase of abnormalities like amputee lower limb person, affected by Parkinson's disease (PD) and Paralysis person, it is the very difficult job to do walk. In recent years, the development of digital controller evolution plays a major in many different interdisciplinary areas [1, 2]. The contribution of digital controller in the domain of

S. Boebulan (Ed) · K. Lakshmi Department of Electrical and Electronics, Sri Krishna College of Engineering and Technology, Coimbatere, India e-mail: becombated the Engineering Company

K. N. Thimikkumikami Department of Electronics and Instrumentation, Sri Ramakrishna Engineering College, Coimbasore, India

© Springer Nature Singapore Pte Ltd. 2020 II. S. Saini et al. (eds.), Innovations in Electric Lecture Notes in Electrical Engineering 626, https://doi.org/10.1107/978-981-15-2256-7_71 trical and Electronics Engineering,

Survey on Security Aspects in Smart Grid: Performance and Parametric Analysis



V. V. Vinceth, S. Sophia and S. Jayanthy

Abstract Smart grid is a great new aspect of the power industry. It integrates Abstract Smart gata is a great new sepect of the power musery. It integrates various advanced technologies and information and communication capabilities to deal with problems found to occur with the existing electrical networks. Such integration facilitates and improves efficiency and accessibility of the electric power system with the additional features of regularly supervising, calculating, and administrating customer demands. This leads to the excessive deployment of smart meters in order to recognize the actual benefits. But, the deployment of smart meters brings up different concerns on the security of information among both consumers and service providers. This paper aims to focus on the major attacks on smart meter security which challenges the overall grid security.

Keywords Smart grid - Smart meter - Cyber attack - Physical attack -

1 Introduction

The several improvements and better new capabilities of the smart grid environment make the grid architecture more complex and expose it to various kinds of attacks. Smart meters tend to be an important component of the grid by acting as a central gateway located on customer's site supporting two-way communication. Smart

V. V. Vineeth (Ed) Department of Electrical and Electronics, Sr. Krishna College of Engineering & Technology

Sophia
Department of Electronics and Communication, Sri Krishna College of Engineering & Technology, Colimbatore, India

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Colmbiance, India

© Springer Nature Singapore Pre Ltd. 2020 H. S. Saini et al. (eds.), Innovations in Electrical and Electronica Engineering, Lecture Notes in Electrical Engineering eds., https://doi.org/10.1007/978-981-15-2256-7_55

Mr. S.Boobalan & Mr. V.V.Vineeth , Assistant Professor, EEE have published the following papers:

- > Comparative Study and Analysis of Human Knee Angle Measurement System in Springer Series: Innovations in Electrical and Electronics Engineering, LNEE, volume 626, PP 769-775, 2020. It is a Scopus indexed journal.
- > Survey on Security Aspects in Smart Grid: Performance and Parametric Analysis " in Springer Series: Innovations in Electrical and Electronics Engineering, LNEE, volume 626, PP 609-614, 2020. It is a Scopus indexed journal.



R&D | JOURNAL PUBLICATION- MCT



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CERTIFICATE

This certifies that the research paper entitled 'Design and Modeling of Automatic Cow Dung Log Making Machine' authored by 'S. Kannaki, S.Nithyapriya, M. Abinesh, N. Gayatri, V. Harish, R.Manikandan, M.S.Kailash' was reviewed by experts in this research area and accepted by the board of 'Blue Eyes Intelligence Engineering and Sciences Publication' which has published in 'International Journal of Recent Technology and Engineering (IJRTE)', ISSN: 2277-3878 (Online), Volume-8 Issue-6, March 2020. Page No.: 2999-3002.

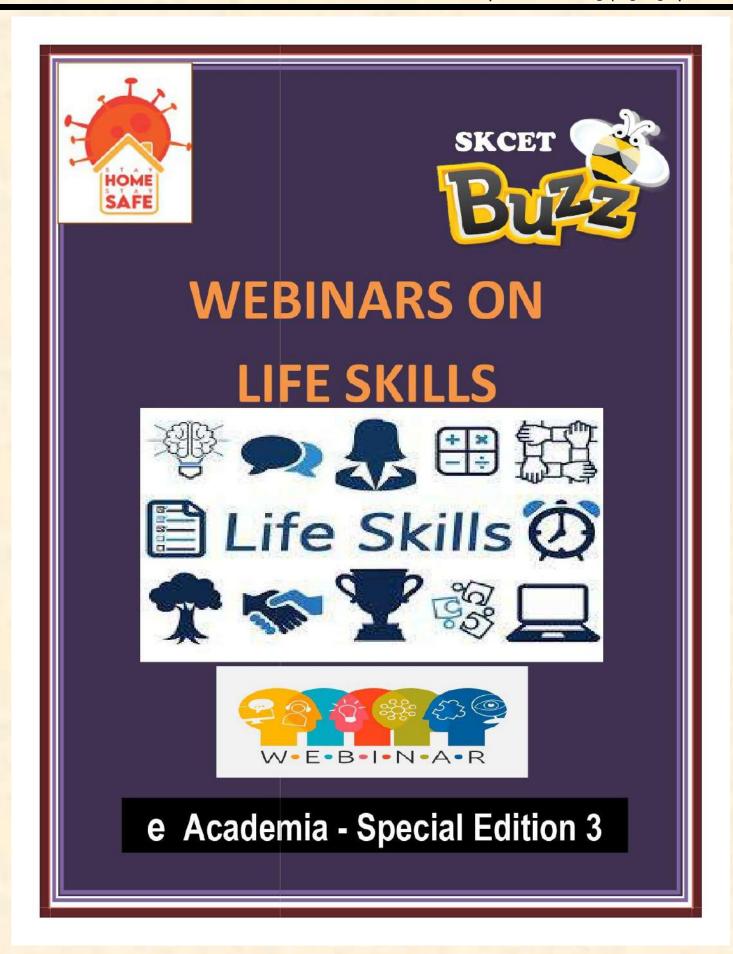
The Value of Citation (VoC) IJRTE is 6.04 for the year 2019. Your published paper and Souvenir are available at: https://www.ijrte.org/download/volume-8-issue-6/





Faculty members and students from department of MCT Mrs. S.Kannaki, Mrs.S.NithyaPriya, Mr.M.Abinesh, Ms.N.Gayatri, Mr.V.Harish, Mr.R.Manikandan and Mr.M.S.Kailash have published a paper entitled on "Design and Modelling of Automatic Cow dung log making machine" in the International Journal of Recent Technology & Engineering with the ISSN:2277-3878, Vol.8, Pp.2999-3002, March 2020. It is a Scopus indexed journal.

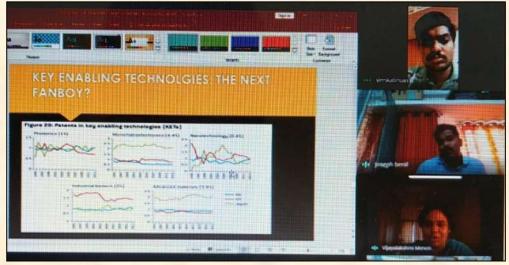






SOM | DECODING RECESSION AND PANDEMICS OPPORTUNITIES IN SERVICE INDUSTRIES

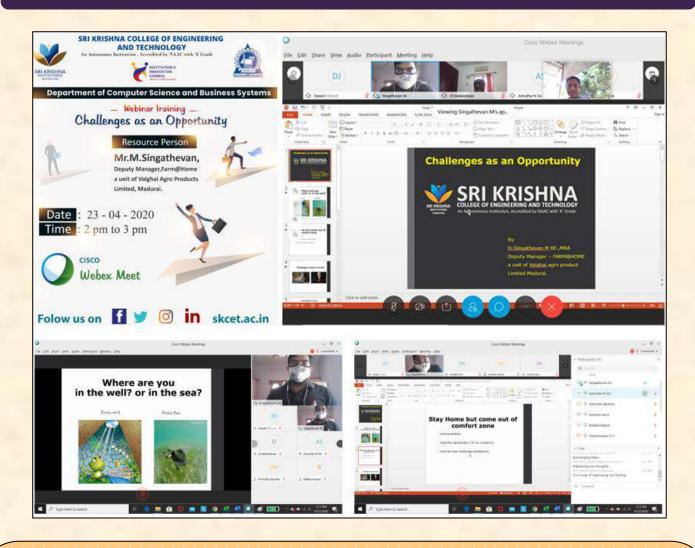




School of Management and Institution's Innovation Council (IIC) of SKCET organized webinar series. Mr A Benil, Head - Market Research, Our Business Ladder addressed them on the topic: "Decoding Recession and Pandemics - Opportunities in Service industries" on The session highlights were huge data, sectoral decline, 20.04.2020. losses in GDPs globally, Economic effects during global pandemics.



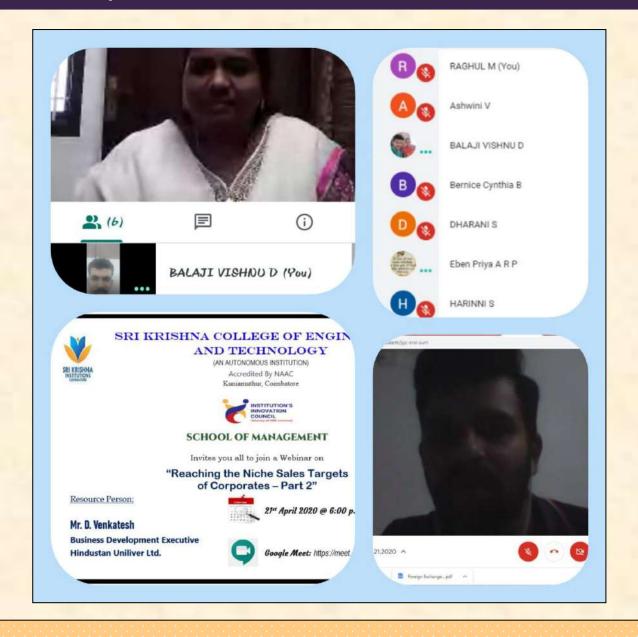
CSBS | CHALLENGES AS AN OPPORTUNITY



Department of Computer Science and Business Systems organized a webinar titled "Challenges as an Opportunity" on 23.04.2020 for faculty, I year and II year students through Cisco WebEx app. Rtn.M.Singathevan, Deputy Manager, Farm@Home, A unit of Vaighai Agro Products Limited, Madurai was the resource person. He elaborated the session with Stay home but come out of comfort zone, Various Challenges - Part of life, Know the Challenge - Know the success, Obstacles are opportunities and real world examples.



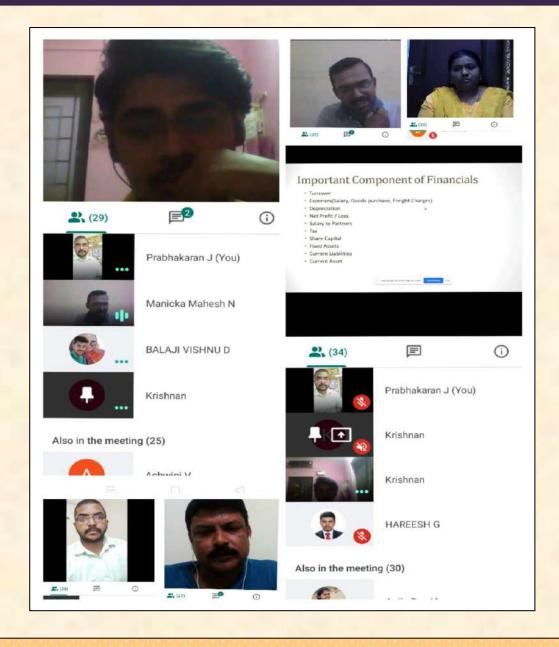
SOM | NICHE SALES TARGETS OF CORPORATE



School of Management and The Institution's Innovation Council (IIC) of SKCET organized webinar series by Mr. Venkatesh D. Business Development Executive, Hindustan Unilever Ltd on the topic 'Niche Sales Targets of Corporate' on 21.04.2020. Team handling, achieve extra ordinary goals, careers and challenges in sales and marketing were some of the points discussed.



SOM | CREDIT RISK ASSESSMENT IN BANKS



School of Management and Institution's Innovation Council (IIC) of SKCET organized webinar series by Mr Krishnan R, Credit Manager, Unsecured Loans - HDFC Bank Ltd, Salem on 23.04.2020 . He enlightened the participants with various metrics to be considered while assessing the client before according loan to any sort of customer.



SOM | COPING WITH INDUSTRY IN POST LOCKDOWN PERIOD







In his lecture he elobrated about the pandemic situation and HR policy revisions due to Covid-19 and presented the facts and cases of recruitment, employee retention, employee motivation, need for upskilling, the cost effective HR strategies and possibilities of Al in Indian

School of Management and The Institution's Innovation Council (IIC) organised a Webinar on 'Coping with Industry in Post Lockdown Period' on 22.04.2020. Mr. K. Rakshith, HR Executive, VKC **Group** was the resource person of the event. IIC students and faculty members attended the event. In his lecture he elaborated on the pandemic situation and HR policy revisions due to Covid-19 and presented the facts and cases of recruitment, employee retention, employee motivation, need for upskilling, the cost effective HR strategies and possibilities of AI in Indian industries.



SOM | NAVIGATING THE STOCK MARKET DURING THE MARKET CRASH TO GENERATE PASSIVE INCOME



School of Management and Institution's Innovation Council (IIC) of SKCET organized webinar series by Mr S Krishna Kumar, Director, JASO Business Solution LLP, Coimbatore on the topic: 'Navigating the Stock Market during the Market crash to generate passive income' on 25th April 2020. He elaborated on the basics of stock market, long & short term investments, major market crashes and their effects and predictions on various sectorial opportunities.

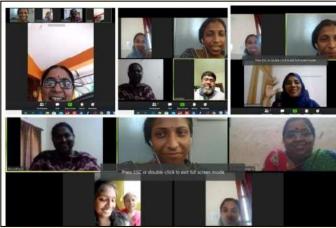






CSE | ACADEMIC REVIEW MEETING – III YEARS





III CSE A

III CSE B

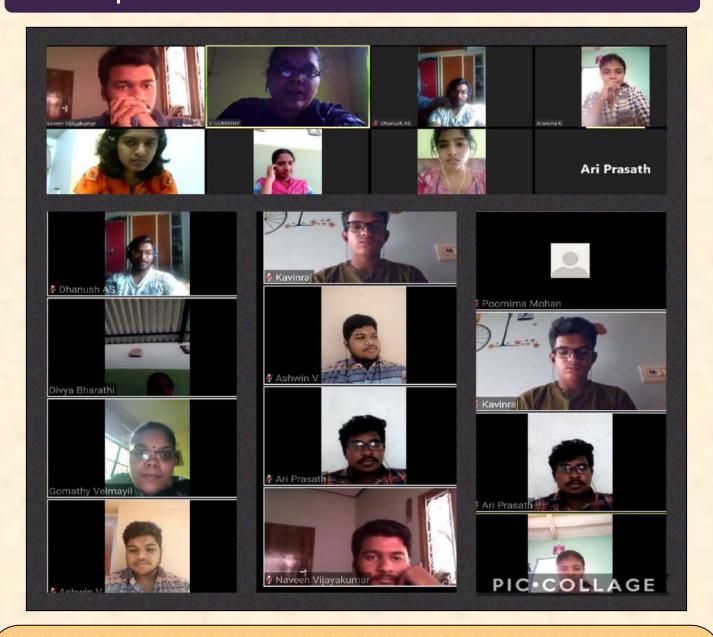


III CSE C

Academic Review Meeting was conducted for the Pre-final year students of CSE Department. Placement daily Test and attendance, CIA performance, online courses and Webinars and End semester Exam preparation were some of the points discussed with their parents.



IT | CLASS COMMITTEE MEETING - III YEARS

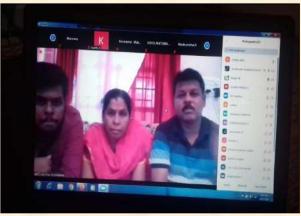


Class Committee Meeting was conducted for III year IT Department Students on 20. 04. 2020 . Dr. V. Gomathy, Associate Professor(EEE) convened the meeting. The key points discussed were CIA 3 Performance, Placement Preparation and online test Performance, End Semester exam preparation, participation in Samadhan and other competitions, online classes and IIC webinars.



ECE | TUTOR WARD MEETING -II YEAR









ARM Meeting for II year ECE students was conducted by year coordinator Dr.V.R.Balaji and II year tutors. Around 80 parents participated enthusiastically. The following points were discussed in the meeting: Revision for current semester subject's, Preparation for End Semester examinations., Placement practice tests to be taken up seriously by students, Online Webinars/ Guest lecturers to be attended by students, Coursera online course to be taken up by students compulsorily, Motivation of students to take part in various Hackathons and project competitions.



MCT | ACADEMIC REVIEW MEETING - III YEAR A & B SEC





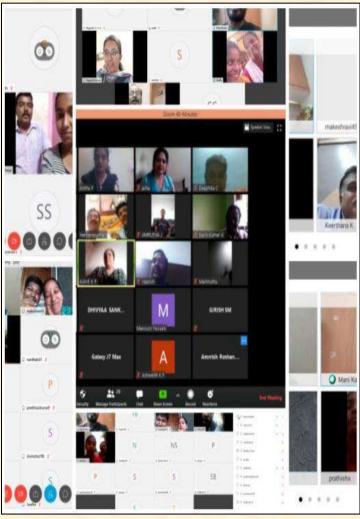


Academic review meeting was conducted for the III year MCT A and B section students. Parents actively involved and appreciated the efforts taken by SKCET during this lockdown period and assured their extended support towards learning and participation. End semester Preparations, Placement activities and Tests, Performance analysis of CIA -3 and WIPRO NASSCOM course registration were the agenda of the meeting.



CSE | ACADEMIC REVIEW MEETING – II YEARS





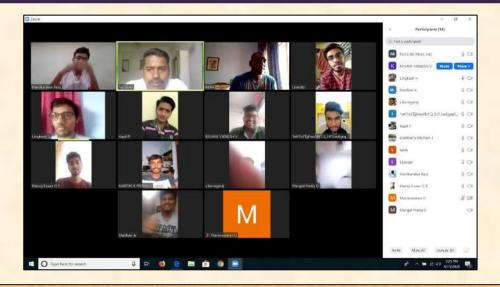
II CSE A

II CSE B

Academic Review Meeting was conducted for the Second year CSE students. Preparation for End Semester examinations, Placement practice tests to be taken up seriously by students. Online Webinars and Guest lectures to be attended by students were some of the points discussed during the meeting.



MCT | TUTOR WARD MEETING - III YEAR A SEC



Tutors of Third year MCT A conducted Tutor ward meeting via Zoom Cloud app. CIA 3 Performance, Placement Preparation and online test Performance, End Semester exam preparation and Participation in IIC webinars & leadership talks were the key deliberations of the meeting.

MCT| TUTOR WARD MEETING – II YEARS

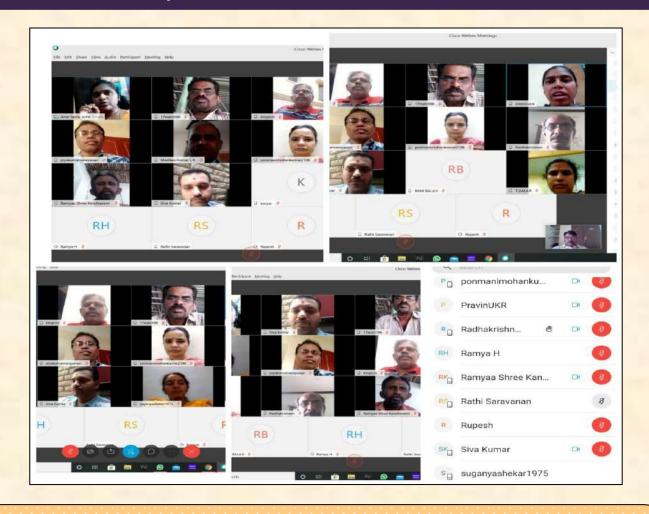


Second year Tutors of MCT Department conducted tutor ward meeting through Zoom cloud app. The points of discussion were End examination semester Webinar preparation, participation, Hackathon participation, placement test and TCS codevita registration.

Feedback @ skcetbuzz@skcet.ac.in



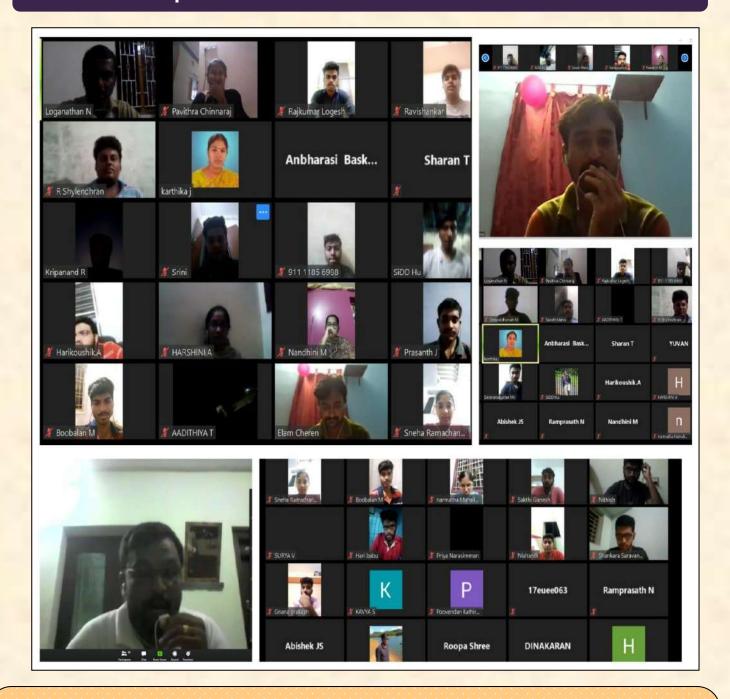
ECE | ACADEMIC REVIEW MEETING



Academic Review Meeting for III year ECE students was conducted on 23.04.2020 by year co-coordinator Dr.SasiPriya and the III Year Tutors. The following points were discussed with the parents: Bootcamp training, T1 Test practices, Preparation for End Semester examinations, Placement practice tests to be taken up seriously by students, Online Webinars/ Guest lecturers to be attended by students, NPTEL/ Coursera online course to be taken up by students compulsorily, Motivating students to take part in various hackathons and project competitions.



EEE | PLACEMENT MEETING - III YEARS



Placement Coordinators of EEE Department conducted Placement meeting through Goto Meeting app. The Pointers of discussion were progress of placement tests, upcoming events & registration and assigned tasks for this week.



MCT | ACADEMIC REVIEW MEETING – II YEAR







Academic review meeting was conducted for the Second year MCT **students**. Parents actively involved and appreciated the efforts taken by SKCET during this lockdown period and assured their extended support towards learning and participation. The following points were discussed: Preparations for End semester, Participation of online webinars and courses, Participation of online COVID hackathons and academic status in last semester.



EEE | ACADEMIC REVIEW MEETING









Academic Review Meeting was conducted for the II and III year EEE students. Parents actively involved and appreciated the efforts taken by SKCET during this lockdown period and assured their extended support towards learning and participation. Placement test, End semester Preparations, Placement activities, Performance analysis of CIA -3, Activities scheduled for students, Resource available from SKCET to learn and WIPRO test performance were the agenda of the meeting.



IT | ACADEMIC REVIEW MEETING - III IT B

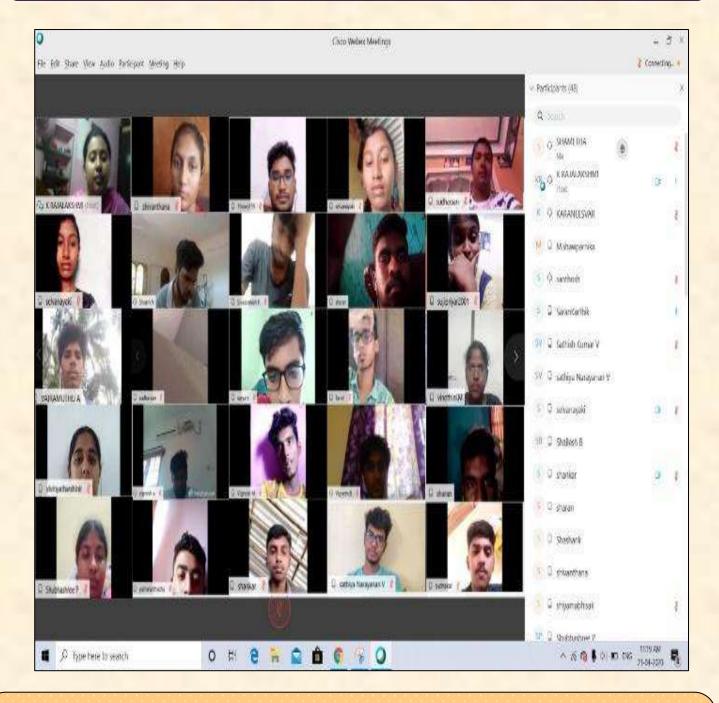


Dear Professors, Academic Review Meeting for I B was conducted on 21/04/2020.

Academic Review Meeting was conducted by Ms.T Keerthika for the Third year IT B students and their parents on 21.04. 2020 .The key points discussed were CIA performance, placement preparation and online test performance and end semester exam preparation.



S&H| TUTOR WARD MEETING - I YEAR



First year Tutors of S&H Department conducted tutor ward meeting through Webex. The pointers of discussion were CIA 3 Performance, Special Coaching Classes and Webinars.

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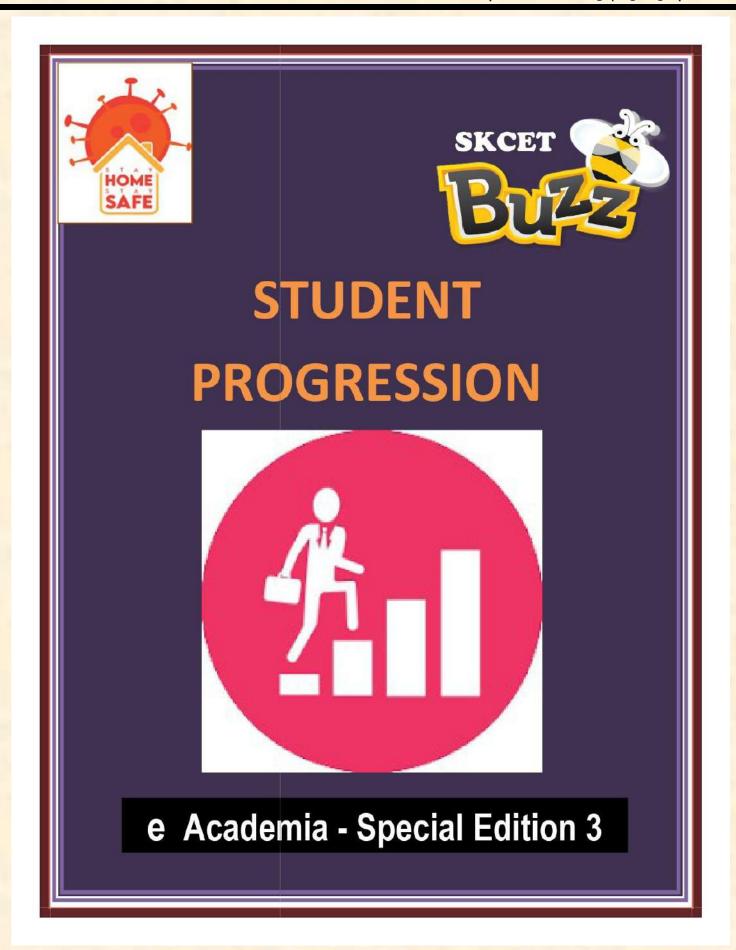


MECH| TUTOR WARD MEETING – II AND III YEARS



Second year and Third year Tutors of Mechanical Engineering Department convened a meeting with their wards through WebEx app. The Pointers of discussion were: Taking up Placement Practice Tests regularly, Involvement in webinars organized by our department, Participation in contests and hackathons, Preparation for the End Semester examinations.







CIVIL | STUDENT MOOC CERTIFICATIONS



Aadhish B K, Third Year student, Civil Engineering has successfully completed module titled "How to prepare by Elsevier Manuscript" Research Academy.

Student Mr.Aadhish B.K. Third Year, Civil Engineering has successfully completed the course titled "Structuring your article correctly" from Elsevier Research Academy.





Mr.Ram Prakash, student of Third Year, Civil Engineering has successfully completed the course titled "How to write for an interdisciplinary audience" certified from Elsevier Research Academy.



EEE | STUDENT CERTIFICATION



V. Ravirajan, Second year Student from the Department of EEE completed 4 weeks course on Introduction Artificial Intelligence offered through Coursera.

SOM| STUDENT CERTIFICATION



Sai Siva Subramanian B - I year MBA student has been awarded with a certificate for successfully completing the course 'The Fundamentals of Digital Marketing' by Google Digital Unlocked.



CIVIL| STUDENT MOOC CERTIFICATIONS



Mr.Aadhish B K, Student of Third Year, Civil Engineering has successfully completed online learning platform on "Managing Building Adaptation: A Sustainable **Approach**" from Delft University of Technology offered through Coursera.

Mr.Aadhish B K. Student of Third Year Civil Engineering has successfully completed online course titled "Master Control in Supply Chain Management and Logistics" from Chalmers University of Technology, offered through Coursera.



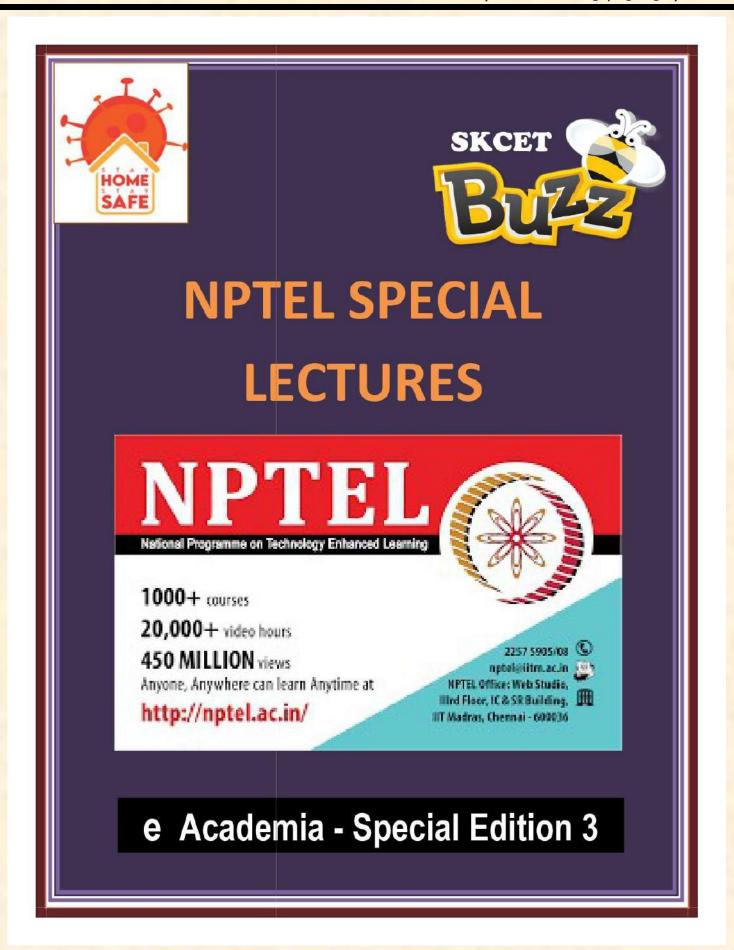


Mr.Aadhish B K, Student of Third Year Civil Engineering has successfully completed a course titled "Cities and Climate Change" a UN E-Learning platform offered course.

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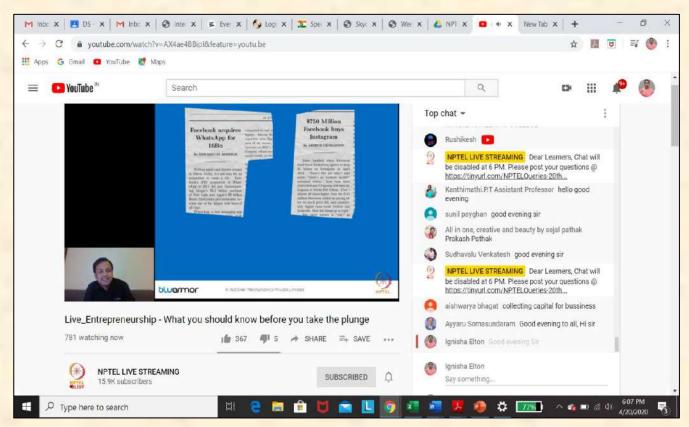
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CSBS | ENTREPRENEURSHIP



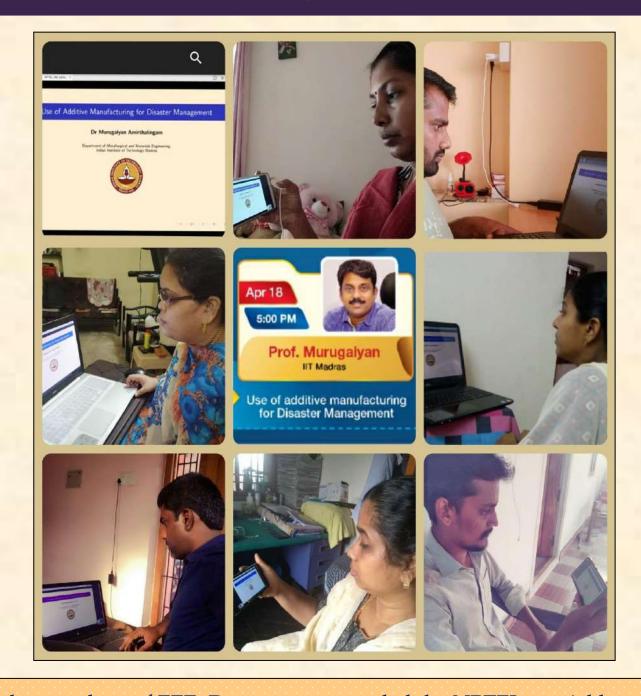




Faculty Members from the Department of CSBS attended the NPTEL online special lectures series on the topic "Entrepreneurship - What You Should Know Before You Take the Plunge" on 20.04.2020. Resource Person: Mr. Sundararajan Krishnan PK, Entrepreneur.



EEE | USE OF ADDITIVE MAUFACTURING FOR DISATER **MANAGEMENT**



Faculty members of EEE Department attended the NPTEL special lecture series on the topic Use of additive maufacturing for Disater Management via YouTube Live stream on 18.04.2020.

Resource Person: Prof. Murugaiyan, Professor, IIT Madras.



S&H | THE JOY OF TEACHING



Faculty Members from the Department of S&H attended the NPTEL online special lectures series on the topic "The Joy of Teaching" on 19.04.2020. Prof. C.Balaji, Professor was the speaker of the day.



EEE | THE JOY OF TEACHING



Faculty members of EEE Department attended NPTEL special lecture series on the topic 'The Joy Of **Teaching'** via YouTube Live stream on 19.04.2020.

Resource Person:

Prof. G.Balaji, Professor, IIT Madras.

EEE | POPULARIZATION OF SCIENCE

Faculty members of EEE Department attended NPTEL special lecture series on the topic Popularization of science via YouTube Live 21.04.2020. stream on

Resource Person:

Prof. Srinivas Chakravarthy, Professor, IIT Madras.





CSE | NPTEL LECTURES









Faculty Members from the Department of CSE attended the NPTEL online special lectures series on the topics The Joy of Teaching, Entrepreneurship-What you should know before you take the plunge, Today's Explainable AI and Popularization of Science.



IT | NPTEL LECTURE SERIES



Faculty Members from Department of IT attended the NPTEL special lecture on the topic "Joy Of Teaching" on 19.04.2020. Resource Person: Prof.C.Balaji, Professor, IIT Madras.



Faculty members from the Department of **IT** attended the NPTEL special live lecture series on the topic " Entrepreneurship-What you should know before you take the plunge" on 20.04.2020.

Resource Person: Mr. Sundararajan Krishnan PK, Entrepreneur



EEE | ENTREPRENEURSHIP



Faculty members from the Department of **EEE** attended the evening session of NPTEL Special Lecture Series via YouTube live stream on 20.04.2020. Resource Person Mr. Sundararajan Krishnan PK, Entrepreneur, founder CEO of BluArmor, Bangalore.

EEE | TOWARDS EXPLAINABLE AI

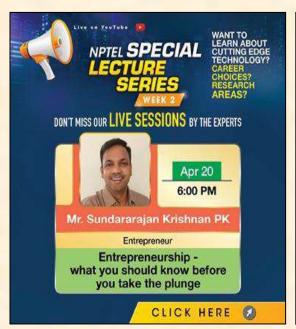
Faculty members of EEE Department attended NPTEL special lecture series on 'Towards Explainable AI' via YouTube Live stream on 22.04.2020.

Resource Person: Dr. Vineeth N Balasubramanian, Associate Professor, IIT Hyderabad.





ECE | ENTREPRENEURSHIP









Department of ECE Faculty members attended NPTEL Special Lecture Series via YouTube live stream. "Entrepreneurship - what you should know before you take the plunge"was the topic. Mr. Sundararajan Krishnan PK was the speaker of the session.



MCT | THE JOY OF TEACHING







Faculty Members from the Department of MCT attended the NPTEL online special lectures series on the topic "The joy of Teaching" on 19.04.2020. Resource Person: Prof. C. Balaji, IIT Madras.

MCT | ENTREPRENEURSHIP



Faculty Members from Department of MCT attended the NPTEL online special lectures series on the topic "Entrepreneurship -what should know before you take the plunge" on 20.04.2020. Resource Person: Mr. Sundarajan Krishnan (PK), Founder and CEO, BluArmor.



S&H | POPULARIZATION OF SCIENCE



Faculty Members from the Department of S&H attended the NPTEL online special lectures series on the topic "Popularization of Science" on 21.04.2020. Prof. Srinivas Chakravarthy, Professor, IIT Madras was the speaker of the day.



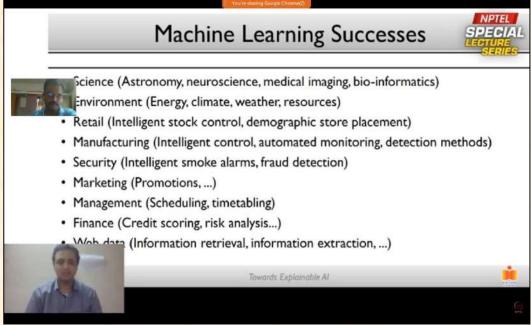
IT | MACHINE LEARNING



Faculty members from the Department of IT attended the NPTEL lecture series the topic " Popularization of Science" on 21.04.2020.

Resource Person:

Prof.Srinivas Chakravarthy, Professor, IIT Madras.



Dr.V.Anandkumar ,Associate Professor, Departrment of IT attended the NPTEL lecture series on the topic " Machine Learning".



MCT | POPULARIZATION OF SCIENCE





Faculty Members from the Department of MCT attended the NPTEL online special lectures series on the topic "Popularization of Science" on 21.04.2020. Resource Person: Prof. Srinivas Chakravarthy, IIT Madras.

MCT | POPULARIZATION OF SCIENCE

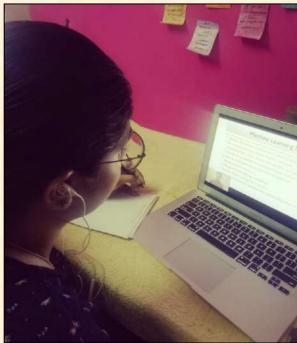


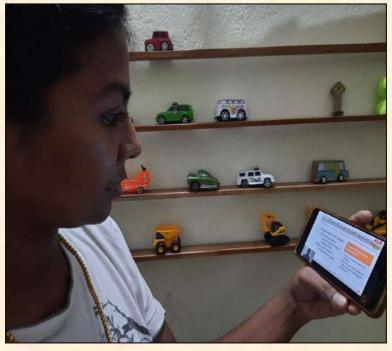
Feroz Ali, Assistant Mr. L. Professor from the Department of MCT attended the NPTEL online special lectures series on the topic "Towards Explainable AI" on 22.04.2020. Resource Person: Prof. Vineeth N Balasubramaniam, IIT Hyderabad.



ECE | NPTEL LECTURE ON EXPLAINABLE AI



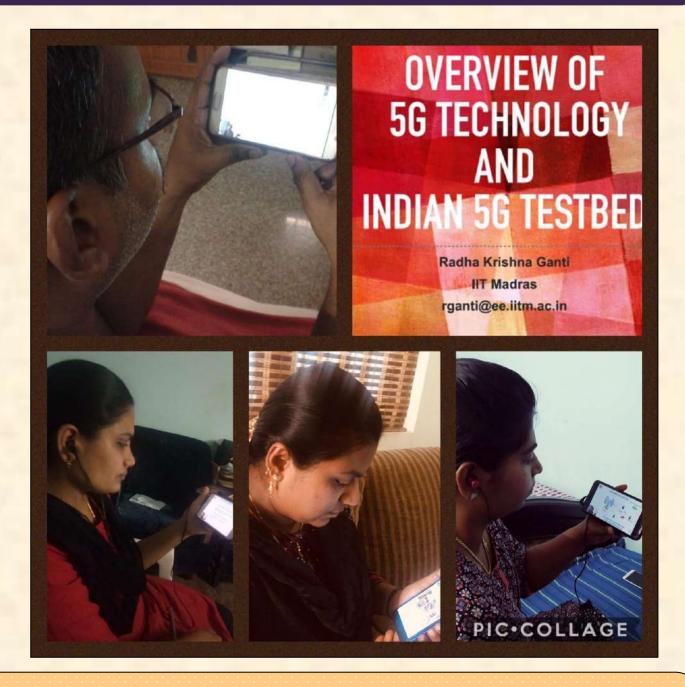




Faculty members from ECE department attended the lecture series from NPTEL_Live on the topic 'Towards Explainable AI', Prof. Vineeth N Balasubramanian, Professor, IIT Hyderabad was the speaker of the session.



NPTEL LECTURE SERIES

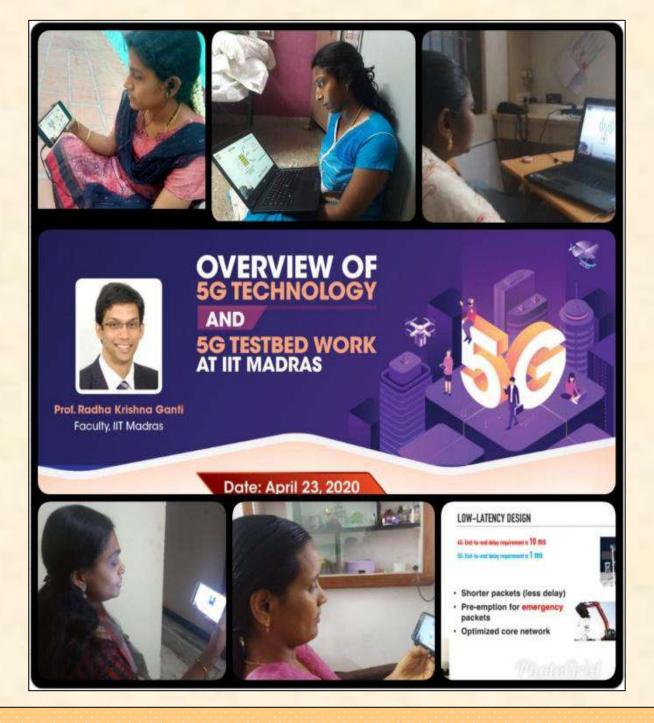


Faculty Members from the Department of IT attended the NPTEL special lecture on the topic " Overview of 5G Technology &Indian 5G Testbed Work" on 23.04.2020. Resource Person: Dr.Radha Krishna Ganti,IIT Madras.

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CSE | NPTEL LECTURE SERIES ON 5G TECHNOLOGY



Faculty Members from the Department of CSE attended the NPTEL online special lectures series on the topic "Overview of 5G Technology and 5G Tested work" on 23.04.2020.



ECE | NPTEL SPECIAL LECTURE









Faculty members from ECE department attended the lecture series from NPTEL_Live on 23.04.2020 on the topic "Overview of 5G technology and 5G testbed work ". Prof. Radhakrishna Ganti, Professor, IIT Madras was the resource person.



EEE | NPTEL LECTURE ON 5G TECHNOLOGY



Faculty members of EEE Department attended the NPTEL special lecture series on 'Towards Explainable AI' on 24. 04. 2020.

Resource Person: Dr.Radha Krishna Ganti, Associate Professor, IIT Madras.

Session Highlights:

- Features of 5G Technology
- Summary of Cellular Generations
- Virtual Connection through 5G
- Impact of 5G technology in global economy.

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IT | BHARATI SCRIPT



Faculty Members from the Department of IT attended the NPTEL special lecture on the topic "Bharati Script" on 24.04.2020. Resource Person: Prof. Srinivas Chakravarthy, IIT Madras.







CIVIL | MYGOV PLEDGES









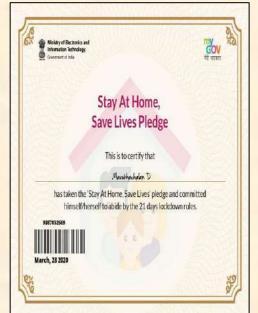




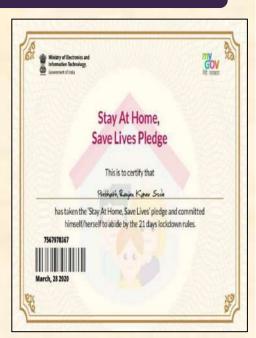




CIVIL | MYGOV PLEDGES











Faculty members from the Department of Civil Engineering has taken pledge and committed themselves to abide by the rules of lockdown given by government and has received the certificate of Commitment.



MCT | MYGOV PLEDGES



Ms.S.Kannaki, Assistant Professor from **MCT** Department of actively participated in Janta curfew Pledge conducted by the Government of India and has received the certificate commitment.

EEE | MYGOV PLEDGES













Faculty members of EEE Department have successfully completed the MyGOV quiz and have received the Certificates.

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EEE | MYGOV QUIZ



Faculty members from the Department of EEE actively participated in Covid19 online quiz conducted by IIC of SKCET and have received the Certificate of Commitment.



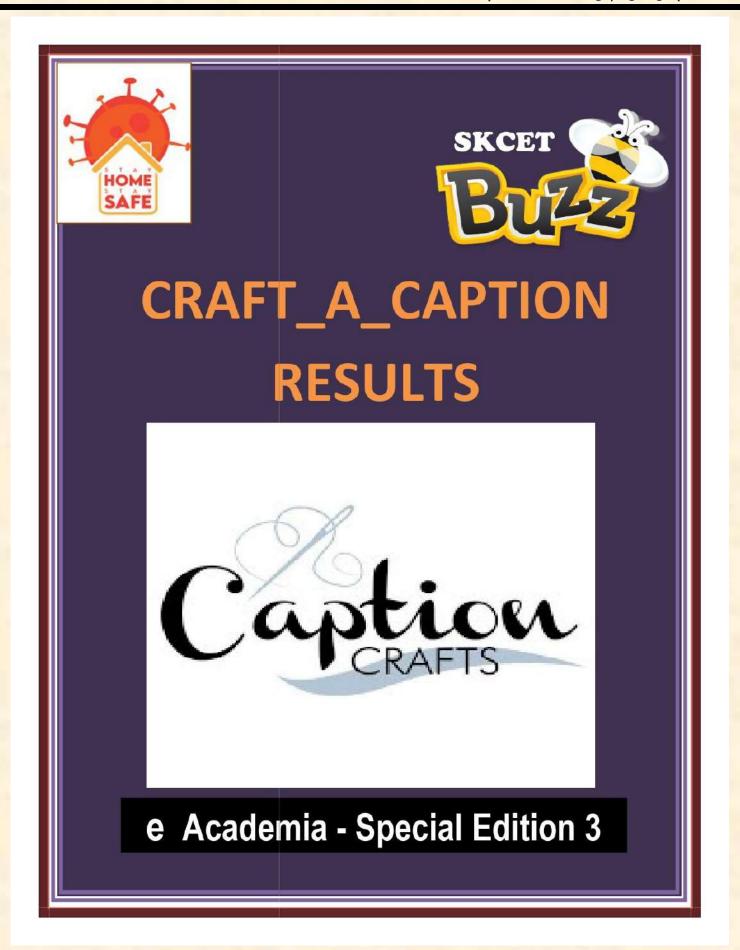
EEE | MYGOV PLEDGE





Faculty members of EEE Department have taken up the MyGOV pledge and have been certified with the certificate of commitment.











Vishal. G.K, II ECE

- Thank you Corona, for making my anniversary the happiest one! The Happy Earth.
- Rise and shine! Day of healing': Mother Sun to the Happy Earth

Meenalochi, II MBA

Earth is the only thing that deserves more love and care than yourself.

Lavanya. R, II CSE

- There is so much peace, if there are only trees!
- If the Sun's oven and the shoots are few, Po'r earth is running phew! Phew!

Manju Princy.T, MBA

- World is getting ready to find a better environment for humans... from corona. Run run run
- It's always wonderful to have a second chance in our life. let's not try to destroy our Mother Earth again.

Dinesh Kumar A,MBA

• While we are panicking about Covid-19, our mother earth is happy and healing.

Kiruthika.J, IT

Never worry about your looks! Just imagine if earth ran on a treadmill just to become lean!



Kavya Dharshini, I ECE

The heavy sphere ran and ran and runs unstoppable with its so called friends the sun, the clouds and its sweat as rain showered pleasant over the globe's blue - green terrain; just to take the wishes from you for its own day!

Varuna. K, II CSE

- Living the life in the world without greenery is useless.
- The nature will return twice what you gave to it either it is righteous or against

Subashini.K, II CSE

• Only the green world will rejoice us others will destroys us.

Sarulatha. R, II CSE

- Don't forget that the Sun guides us through the brightest path and the Earth rejoices to feel our bare feet.
- "Earth, " I'm on my way to get destroyed " Before the existence of human ...the earth n sun on its way to receive the catastrophe "that is none but human"
- Poor earth, it feels uneasy and keeps running because the sun doesn't stop stalking".

Arulnadha Guru, II ECE

- With humans being quarantined, Earth's havin it's Quality time.
- Home Quarantine isn't as bad as it seems, Think about moving in circles for years around sun.

Babu Reddy G V, II ECE

Nature Turning Up, Covid Ruining Up.

Vasim Hushain, II ECE

Keep your face to the sun or else you'll be affected by corona.

R.MohanaSundaram II EEE

Be a part of Solution, not a part of Pollution.



Priyalakshmi R, II CSE

- Happy earth!! Happy us!!
- The earth!!Now it's fine, it is the people that are in trouble!!

R. Yazhini Devi, MBA

- Would you like to join the race! The winning trophy will be healthy and happy life.
- Join the race with the earth, let the ecology apologise you, so that we can have a long run.

Prathisha.M, II CSE

- Protect our earth today for our children's tomorrow.
- Modern technology owes ecology an apology.

Swetha V, II CSBS

• When we were finding ourselves in the middle of the chaos, Mother Earth embraced the chaos as it restored her with purpose.

Nanhakumar B, II CSE

He that plant trees on Earth will live with smile.

Preethi.S, II CSE

 The Earth does not belong to man. Man belongs to the Earth.

Sudharshan.S, II CSE

- Save The Environment And You Will, Save the Life and Future
- Clean up the earth; it's the only home we have...
- Think Green, Live Green.
- Save our Planet, Save Ourselves.
- Reduce, Reuse, Recycle



Nithish.K, I CSBS

- Quaratine, making People stouter, the earth sturdier.
- Well, it's a workout time for our mother earth.

Mrs. Sophia.B, A/P, CSE

- Be ready to start over again... It's a chance to build something better this time.
- Wherever you go, no matter what the weather; Always carry your own sunshine.

Mrs. Ruth, A/P, ECE

• Running the race towards success, We forget to enjoy the journey!

Mrs. Eileen, A/P, S&H

 A reason for every Season, be it sunny or gloomy keep your best cheer and move on!!!!!

Mrs.N.Subha Lakshmi, A/P, EEE

EN-VIRA(L)-MENT

Dr. Mohanraj, S&H

• A rendezvous of healthy earth and sun is my dream, to make it green.

Dr. G. Ignisha Rajathi, A/P CSBS

- Our Green Home.
- Reality of 1905! Expectation of 2025!
- Just a dream or dream come true?

Mr. S.Suresh Kumar, A/P CSE

• Shining sun, Rainy clouds, Crowning earth with trees and smiles! why not us when that whole nature waving cheers. Get ready folks!







CSE COLOUR ART



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S&H | ART MERAKI

The Department of Science and Humanities focussed on reaching out to the public and motivating them to take action on COVID 19 by delivering the message repeatedly through art, collage and video. The First-year students created awareness about the pandemic Corona through various picturesque.



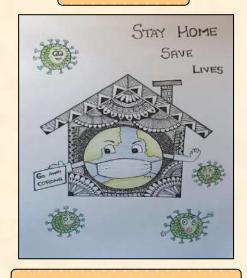
I M.TECH



Photoshop – I IT C

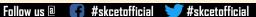


I EEE C



D.Retheeka - IIT C

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Feedback @ skcetbuzz@skcet.ac.in



S&H | ART MERAKI



G Nivethini - I CSBS



I IT C



Nithya - I ECE B



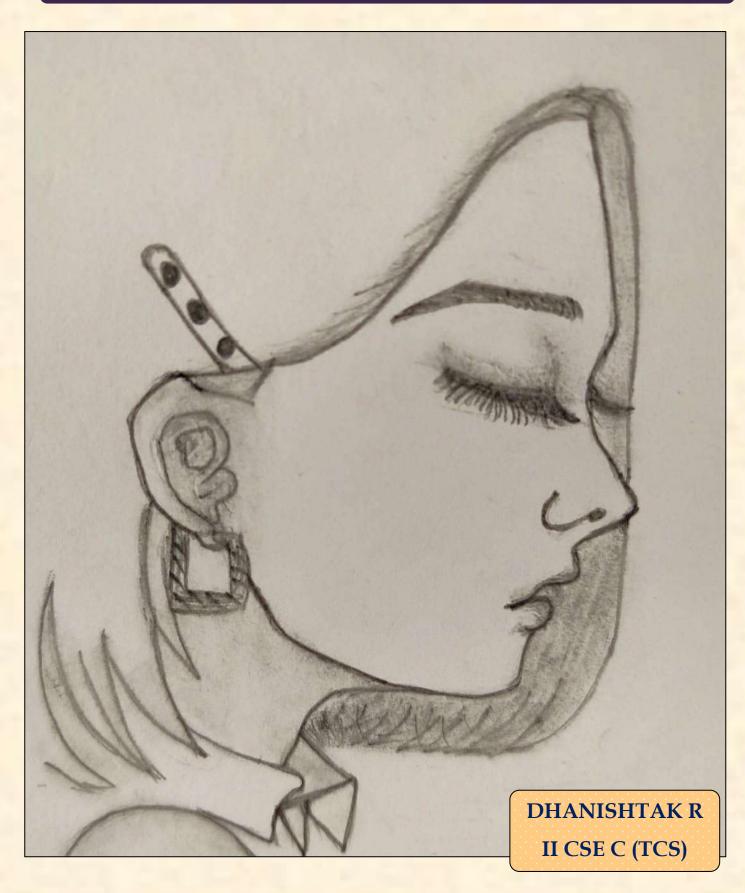
Mahalakshmi - I IT B



Vairamuthu - I CSE C



CSE|PENCIL SKETCH



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in #skcet





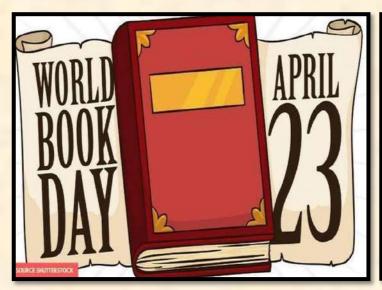


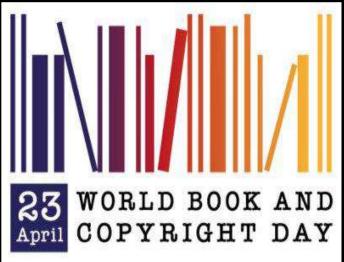
INTRERNATIONAL DAYS OF THE WEEK





INTERNATIONAL MOTHER EARTH DAY-**APRIL 22**





WORLD BOOK AND COPYRIGHT DAY-APRIL 23

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SKCET IN MEDIA

இருக்கிறது.

இந்தச் சூழ்நிலையில், ഥலിച്ച ഖിതെധിര് ഉത്തച്ച வழங்கும் அம்மா உணவ கங்களை ஆளுங்கட்சியி னருக்கு மட்டும் "குத்த கைக்கு" விட்டதைப் போல் தாரைவார்ப்பது ஆற்றும் பணியாகும். வேதனை

கொரோனா நோய்த் தொற்றைத் தடுப்பதிலும் சுகாதாரப் பணிகளிலும் சுற்றுப்புறச் சூழலை நோயின் தாக்கத்தில் இருந்து பாதுகாத்து தூய்

ளர்களுக்கு உடனடியாக சம்பளம் வழங்குவது, அவர்கள் ஆற்றிவரும் மகத்தான பணிக்கு நன்றிக் செலுத்துவதாக கடன் அமையும்.

இவ்வாறு அவர் கூறி னார்.

கிருஷ்ணா கல்லூரியில் காணொலி

கொரோனா குறித்த கலந்துரையாடல்!

கோவை, ஏப்.22-ஸ்ரீ கிருஷ்ணா பொறியி

மாக

ர்டு

புப்

WL.

ாம்

சம்

ாடு

யல் மற்றும் தொழில்நுட் பக் கல்லூரியின் முதல் முனைவர் வர் Gg. துறைத்தலை ஜேனட், வர்கள், பேராசிரியர்கள். மாணவ மாணவியர்கள் அவர்தம் மற்றும் பெற்றோர்கள் ஆகியோ ருடன், அரசு அதிகாரிகள் "கோவிட்19" எனப்ப டும் கொரோனா வைரஸ் தொற்று தொடர்பாக இணையத்தின் மூலமாக காணொளி காட்சி மூலம் உரையாடல்

நிகழ்த்தி னர்.

இந்நிகழ்வில் வட்டார வளர்ச்சி அலுவலர் சுதா கரன், துணை வட்டார வளர்ச்சி அலுவலர்கள் ரவி, ஆனந்தி, மாரியம் மாள், வட்டார சுகாதார ஆய்வாளர் ராஜசேகர் **ஆகியோர்கலந்துகொண்** டனர். கொரோனா வைரஸ் நோய் தொற்று ஏற்படாமல் இருக்கவும், இருக்கவும் பரவாமல் மற்றும் நோய் தொற்று பரவலை குறைக்கும் வண்ணமும் எடுக்கப்பட வேண்டிய நடவடிக்கை

களை பற்றி ஆலோசித்த

சுதாகரன் இந்நோ யை பற்றிய சரியான புரிதலை மக்களிடையே ஏற்ப டுத்த வேண்டிய அவசி யத்தை பற்றி விளக்கி னார். சுகாதார அதிகாரி இராஜசேகரன், அரசு இது வரை எடுத்துள்ள நடவ டிக்கைகளை பற்றி விளக் கினார்.

நோய் தொற்று ஏற்பட் டவர்களை கண்டறிதல், சிகிச்சை அவர்களுக்கு அளித்தல், மனித மற்றும் மருத்துவ வளங்களை சரி யான முறையில் பயன்ப சிகிச்சைக்கு டுத்துதல், முந்தைய மற்றும் பிந் தைய கண்காணிப்பு போன்ற அரசு எடுத்து வரும் நடவடிக்கைகளை விளக்கினார்.

டவி வே நிர்வ மெல தியுஎ கட்ட வற்ப இருக் ஒரு பள்எ சீருவ யர் க கட்ட 9 டண ஊரப டண செல பெற் டர்டே றது. மாறு கேட் 2.00 லுக்கு

வது

இயர்

மறந்

गिळंग

முத 6

ணம

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போத

இப்

வில்

wranav

22.04.2020

19-25 APRIL 2020 | Daily Newsletter







SKCET IN MEDIA

கோவிட் 19 குறித்து ஸ்ரீ கிருஷ்ணா பொறியியல் கல்லூரியில் காணொலி கலந்தாய்வு உரையாடல்



கொரோனா வைரஸ் குறித்தும், தொற்று பரவலை தடுக்கும் நடவடிக்கைகளை பற்றி காணொலி மூலமாக ஆலோசித்தனர்.

கோவை, ஏப் 22 : *ஸ்*ரீ கிருஷ்ணா பொறியியல் மற் றும் தொழில்நுட்பக்கல்லூ ரியின் முதல்வர் ஜேனட், துறைத்தலை வேர்கள், பேராசிரியர்கள், மாணவ மாணவியர்களுடன் அரசு அதிகாரிகள் 'கோவிட்-19' எனப்படும் கொரோனா வைரஸ்குறித்தும்,தொற்று பரவலை தடுக்கும் நடவடிக் கைகளை பற்றி காணொலி மூலமாக ஆலோசித்தனர். இந்த தொற்று நோயின்

முதற்கட்ட பரவலுக்கு பின் இரண்டாம் நிலை பரவல் ஏற்படாமல் தடுக் கும் வழிமுறைகள் குறித்து **ஆலோ**சிக்கப்பட்டது.

இந்நிகழ்வில், வட்டார வளர்ச்சி அலுவ**ல**ர் சுதா கரன், துணை வட்டார வளர்ச்சி அலுவலர்கள் ரவி, ஆனந்தி, மாரியம் மாள், வட்டார சுகாதார ஆய்வாளர் ராஜசேகர் ஆகி யோர் கலந்து கொண்ட னர்.



22.04.2020







CSBS | UPCOMING EVENT- 27.04.2020



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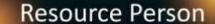




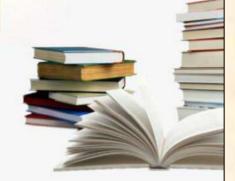
Department of Computer Science and Business Systems

Quality & Information Security - An Introduction to Integrated Management System

webinar



Mrs. Gomathi Natchiyar Kumaran, **Quality Specialist** Tata Elxsi Limited, Chennai.



27.04.2020 (Monday)

Time: 2 PM



CISCO Webex Meet



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CSBS | UPCOMING EVENT- 28.04.2020



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Department of Computer Science and Business Systems

webinar:

MVC Architecture over Cloud **Applications**



Resource Person

Mr. Raja Srinivasan **Development Manager Simptra Technologies**



Date

: 28.04.2020

Time · 4 PM





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