

SKCT

DIGEST



VOLUME 15, ISSUE 10
28 April 2020

IN THIS ISSUE

EDITOR - IN - CHIEF

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Principal

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Dr V Thiyagarajan, S&H

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Ms S Thenmozhi, ECE

Ms A Little Judy, EEE

- NEW VISTAS OF LEARNING
- FACULTY DEVELOPMENT PROGRAMMES
- TALK SERIES
- STUDENTS' PARTICIPATION & ACHIEVEMENTS
- FACULTY PARTICIPATION & ACHIEVEMENTS
- PUBLICATIONS
- ONLINE COACHING CLASSES
- EVENTS ORGANIZED
- ALUMNI CORNER

**SRI KRISHNA COLLEGE OF TECHNOLOGY
COIMBATORE - 641 042**

NEW VISTAS OF LEARNING

Webinars



webinar

Dr R V Murali, Prof. & Head, Center for Research & Development, SKCT, delivered a Webinar on “**Unleash Your Research Skills**” between 4:00 pm and 5:00 pm on 25 April 2020.



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INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)

SRI KRISHNA COLLEGE OF TECHNOLOGY
TECHNOLOGY FOR PROSPERITY
1985
COIMBATORE

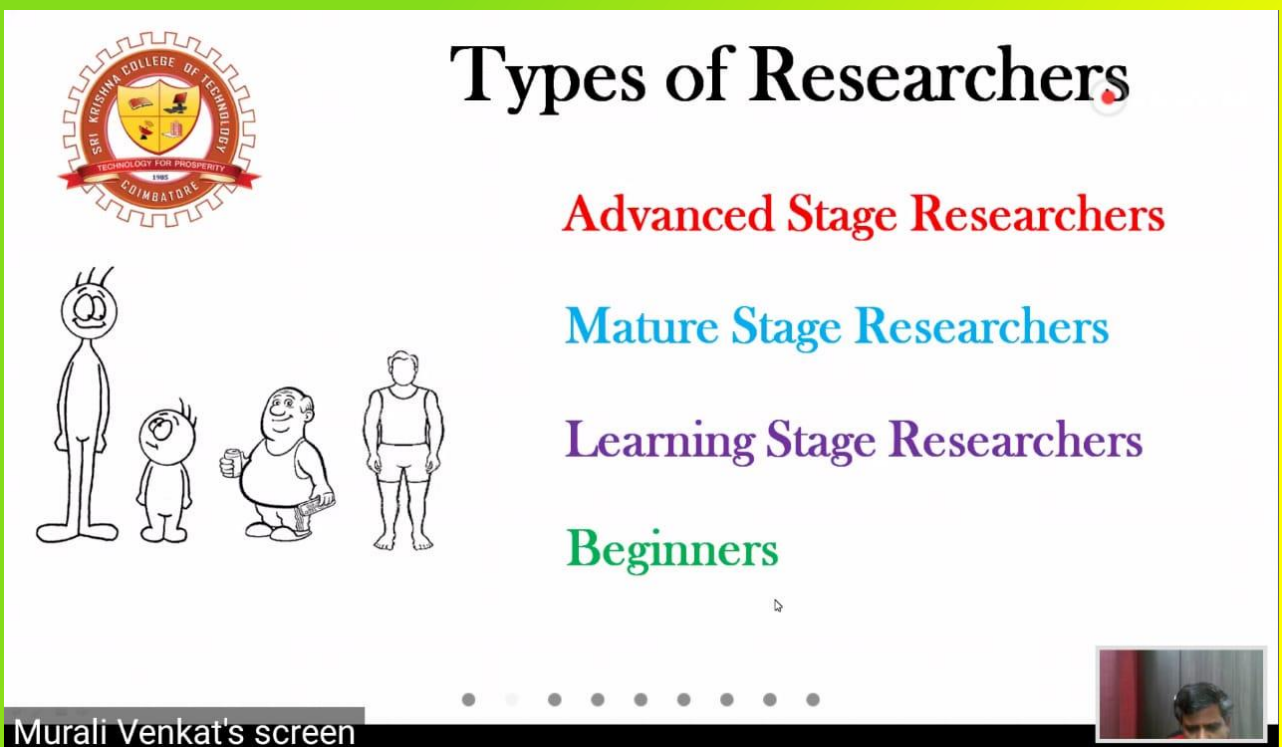
Webinar Topic Unleash Your Research Skills
Resource Person Dr R V Murali
Head of Center for Research & Development, SKCT

Date Sat, 25th April 2020

Timings 4:00 pm – 5:00 pm

702 694 1141

Organized by the Center for Research & Development (CRD) in collaboration with IIC, Sri Krishna College of Technology, Coimbatore. For feedback, please write to crd.office@skct.edu.in



Types of Researchers

- Advanced Stage Researchers
- Mature Stage Researchers
- Learning Stage Researchers
- Beginners

Murali Venkat's screen

Dr C Bhartiraja, SRM Institute of Science and Technology, Chennai, delivered a Webinar on “Funding Platforms and Proposal Requirements” organized by the Center for Research & Development, SKCT between 11:00 am and 1:00 pm on 27 April 2020.

Recording

Research Proposal/Grant Webinar | Dr.C.Bharatiraja, E- Mobility Laboratory | SRM Institute of Science and Technology Kattankulathur, India

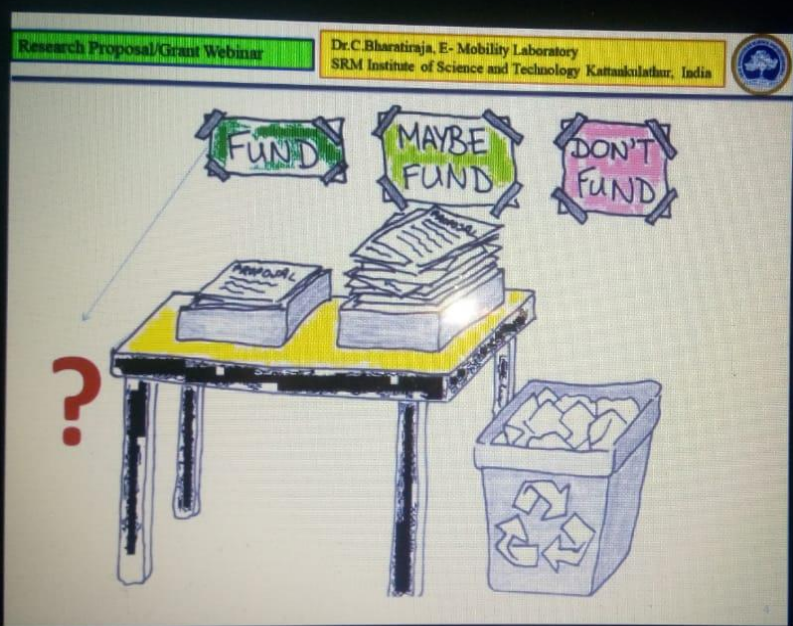
What is a project proposal?

- Document – Contains the Problem & Method to Solve.
- Funding Agency will decide to finance your project or not from **what they read**.
- Any proposal should show thoughtful planning.

Dr. C.Bharatiraja



Research Proposal/Grant Webinar | Dr.C.Bharatiraja, E- Mobility Laboratory | SRM Institute of Science and Technology Kattankulathur, India



Dr. C.Bharatiraja

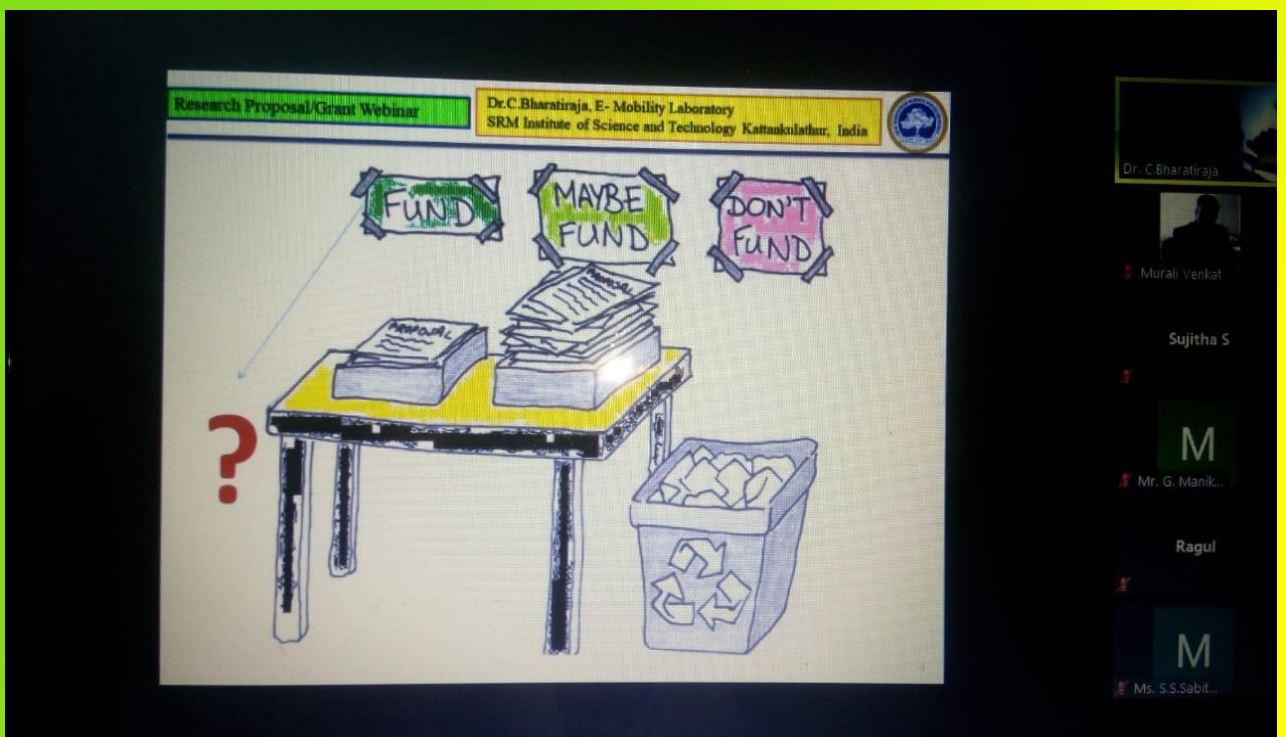
Murali Venkat

Sujitha S

Mr. G. Manik...

Ragul

Ms. S.S.Sabit...



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INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD, Government of India)

RESEARCH WEBINAR

TITLE:
FUNDING PLATFORMS & PROJECT PROPOSAL REQUIREMENTS

RESOURCE PERSON:
Dr C BHARATIRAJA
SRM INSTITUTE OF SCIENCE AND TECHNOLOGY CHENNAI

ZOOM PLATFORM:
702 694 1141

Sri Krishna College of Technology
Kovaipudur, Coimbatore
TN, INDIA
www.skct.edu.in

MON, 27 APR 2020

Participants: 37

Leave Meeting

Zoom 40-Minutes | You are viewing Dr. C.Bharatiraja's screen | View Options

Research Proposal Grant Webinar | Dr.C.Bharatiraja, E-Mobility Laboratory, SRM Institute of Science and Technology, Kattankulathur, India

Questions :-

- What is a project proposal?
- Why to write a project proposal?
- What are the Components needed for a project proposal ?
- What are the Agencies/Schemes ?
- Dos and Don'ts in proposal writing.

Participants (41)

Find a participant

- DP Dr. P. Tamije Selvy Professor... (Me) [Muted] [Video Off]
- Murali Venkat (Host) [Muted] [Video Off]
- Dr. C.Bharatiraja [Muted] [Video Off]
- Ms.C.Kalaiselvi ASST. PROF ... [Muted] [Video Off]
- AP Anantha prabha [Muted] [Video Off]
- BB BANUSELVARASWATHY B [Muted] [Video Off]
- BR Beschi Rajal [Muted] [Video Off]
- C Chinnadurai [Muted] [Video Off]
- DA Dr. A.Balamurugan, PROFESSOR [Muted] [Video Off]

SKCT FAMILY
Vib Suganya: Photo
Google Chrome + web.whatsapp.com

Unmute | Start Video | Participants: 41 | Chat: 5 | Share Screen | Record (Alt+R) | Reactions | Leave Meeting

Type here to search | 11:11 AM 4/27/2020

Members of Faculty of SKCT attended a Webinar in You Tube Live on “**Intellectual Property (IP)**” as part of the World Intellectual Property Day on 26 April 2020.



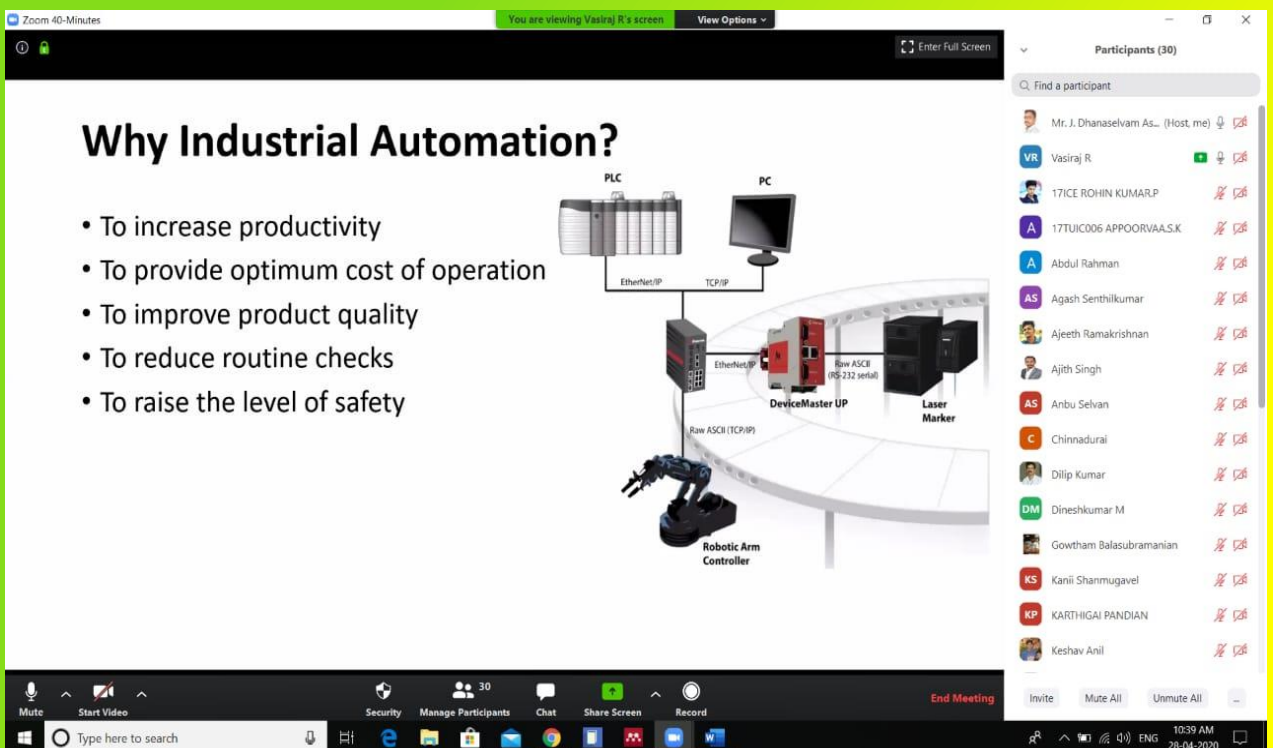
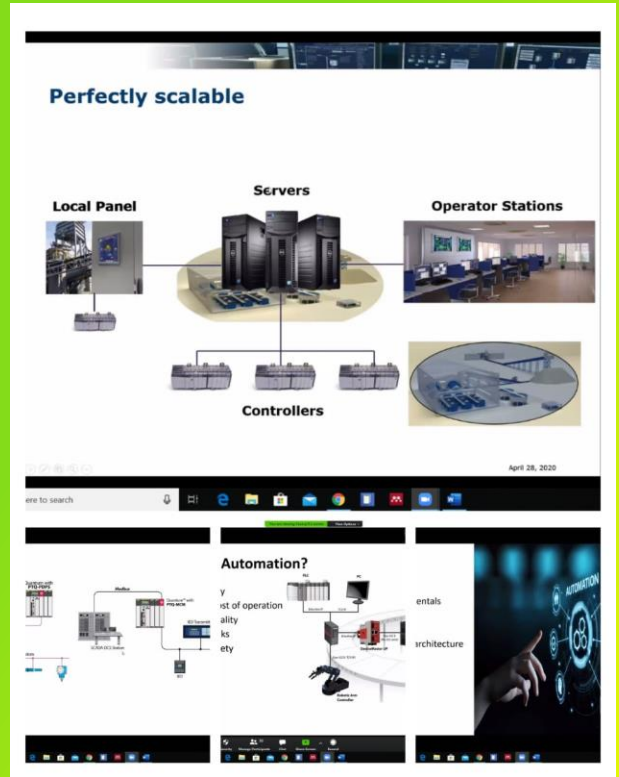
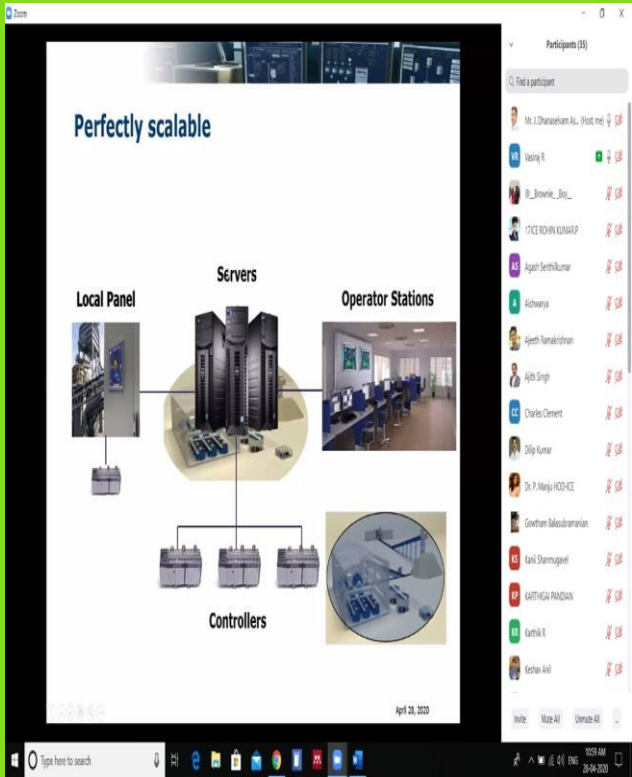
World IP Day

AIM You Tube Live

on **Intellectual Property** in
collaboration with CIPAM, DPIIT

 Sunday, 26th April, 2020  7:00 pm

The Dept. of ICE organized a Webinar on **“Industrial Automation Using PLC and SCADA”** delivered by Mr R Vasiraj, Assistant Manager, Process Control Systems, FLSmidth Pvt. Ltd., Chennai on 28 April 2020. Mr J Dhanaselvam, Asst. Professor, Dept. of ICE coordinated the event.



The Dept. of Information Technology organized a one-day Webinar on “**Product Development**” delivered by Mr Yogees Kumar, Team Lead, L & T Info Technologies for the members of faculty and students. Ms K Sindhu Meena, Asst. Professor, Dept. of IT arranged the event on 27 April 2020.

Why? Review of market performance is important.

Consumer
Is the new product accepted?

Demand
sales and profits high?

Performance
Must make necessary changes in their marketing plans and strategies else the product will fail.

Competitors
Is any product introducing a similar new product in the market?

Participants: Sindhu Meenq (host), 18tuit106, 18tuit124, 18tuit139, Aakaash M, aishwarya Laks..., akashmani2kk6, ALAGUVATHAN...

Concept Testing

“Concept testing is done to find consumers' reactions!”




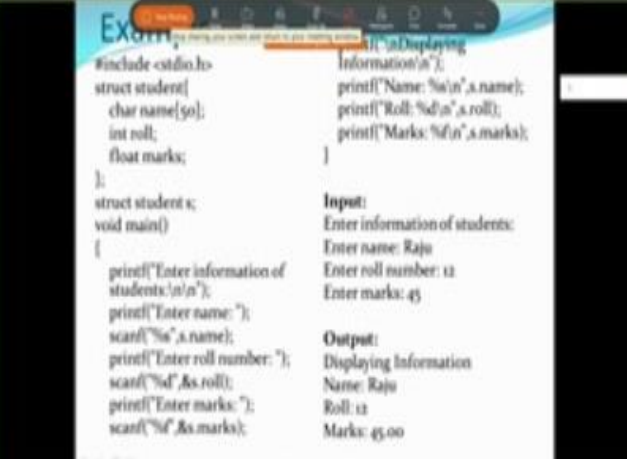
In this stage of concept testing, the company or start-up finds out:

- Whether the consumers understand the product idea or not?
- Whether the consumers need the new product or not?
- Whether the consumers will accept the product or not?

Participants (34): akashmani2kk6, Anureka Seenivasan, deekshitha, Devipriya, Jaya Kumar N, jayasree, Jeyabharathi D

Chat: not visible from Jeyabharathi D to everyone: 2:13 PM; yes sir from Malathi to everyone: 2:13 PM; Yes sir ok

The Dept. of Information Technology and Institution's Innovation Council organized an **Online Placement – Programming Series Class 5** for all the Students of B.E./B.Tech. classes on the topic **“Basics of C Programming”**. Students from various departments actively attended and interacted. Dr R Suganya and Ms D Ranjani, Asst. Professors, Dept. of IT conducted the class between 4.30 pm and 6.30 pm on 27 April 2020.

 <p>SRI KRISHNA COLLEGE OF TECHNOLOGY An Autonomous College, Accredited by NAAC with "A" grade Coimbatore, Tamil Nadu</p>  <p>DEPARTMENT OF INFORMATION TECHNOLOGY & INSTITUTION'S INNOVATION COUNCIL</p> <p>Organizes a Webinar on Programming</p>  <p>Session Topics: •Pointers in C •Structures in C</p> <p>Date:27.4.2020 Time:4:30 p.m -6:30 p.m Online:Cisco Webex</p> <p>Resource person Ms Suganya R & Ms Ranjani D AP/IT SKCT</p>	 <pre>#include <stdio.h> struct student{ char name[50]; int roll; float marks; }; struct student s; void main() { printf("Enter information of students:\n\n"); scanf("%s",&s.name); printf("Enter roll number: "); scanf("%d",&s.roll); printf("Enter marks: "); scanf("%f",&s.marks); printf("\nDisplaying Information\n"); printf("Name: %s\n",s.name); printf("Roll: %d\n",s.roll); printf("Marks: %f\n",s.marks); } Input: Enter information of students: Enter name: Raju Enter roll number: 12 Enter marks: 45 Output: Displaying Information Name: Raju Roll: 12 Marks: 45.00</pre>
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The Dept. of Information Technology and Institution's Innovation Council jointly organized a Webinar on "**Discover a Path to Your Vision**" delivered by Ms M Nivethitha, Program Analyst Trainee, Cognizant Technology Solutions, Chennai on 28 April 2020. The session was coordinated by Dr D Jeyabharathi, Asst. Professor, Dept. of IT.



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INSTITUTION 'S INNOVATION COUNCIL

&

DEPARTMENT OF INFORMATION TECHNOLOGY

Cordially invites you for a Webinar
on
DISCOVER A PATH TO YOUR VISION

Resource person

Nivethitha M
Program analyst trainee
Cognizant Technology Solutions,
Chennai.

3:00 p.m to 4:00 p.m
28/4/2020



The Dept. of Civil Engineering organized a Webinar on “**Risk Management**” on 27 April 2020. Er Manickavel Arumugam, Project Management Trainer and Consultant, Chennai, chaired the session and shared his expertise with the Students and the Members of Faculty in the Dept. of Civil Engineering.

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 KOVAIPUDUR, COIMBATORE - 641042.

DEPARTMENT OF CIVIL ENGINEERING

INSTITUTION'S INNOVATION COUNCIL
 (University of 100 Innovations)

Organizing a webinar on
RISK MANAGEMENT

Resource Person

Er. MANICKAVEL ARUMUGAM PMP, PMI - RMP
 Project Management Trainer and Consultant
 Chennai

DATE: 27.04.2020
 TIME: 4 - 5 PM

zoom

891-3543-6038
 Password: 870477

Recording

PMBOK GUIDE
 A GUIDE TO THE PROJECT MANAGEMENT BODY OF KNOWLEDGE
 SIXTH EDITION

Participants (22)

- MUTHUKEERTHANA (me)
- Manickavel Arumugam (host)
- Lenin Sundar
- Abdul Basit
- Aravind TPA
- Divya.t
- Dr Padmanaban i
- Madhu
- Mr. G. Manikandan Asst Prof CL...
- Mr. R. Ramesh Asst Prof CIVIL
- Ms. S. Dharsana Asst Prof CIVIL
- Naveen Raj

Unmute Start Video Share Participants More

Recording You are viewing Manickavel Arumugam's screen View Options

Manickavel Arumugam Ms. S. Dharsana Asst Prof...

Dharshan.v Prem kiran .S

Aravind TPA Lenin Sundar SANJAY Dr Padmanaban i

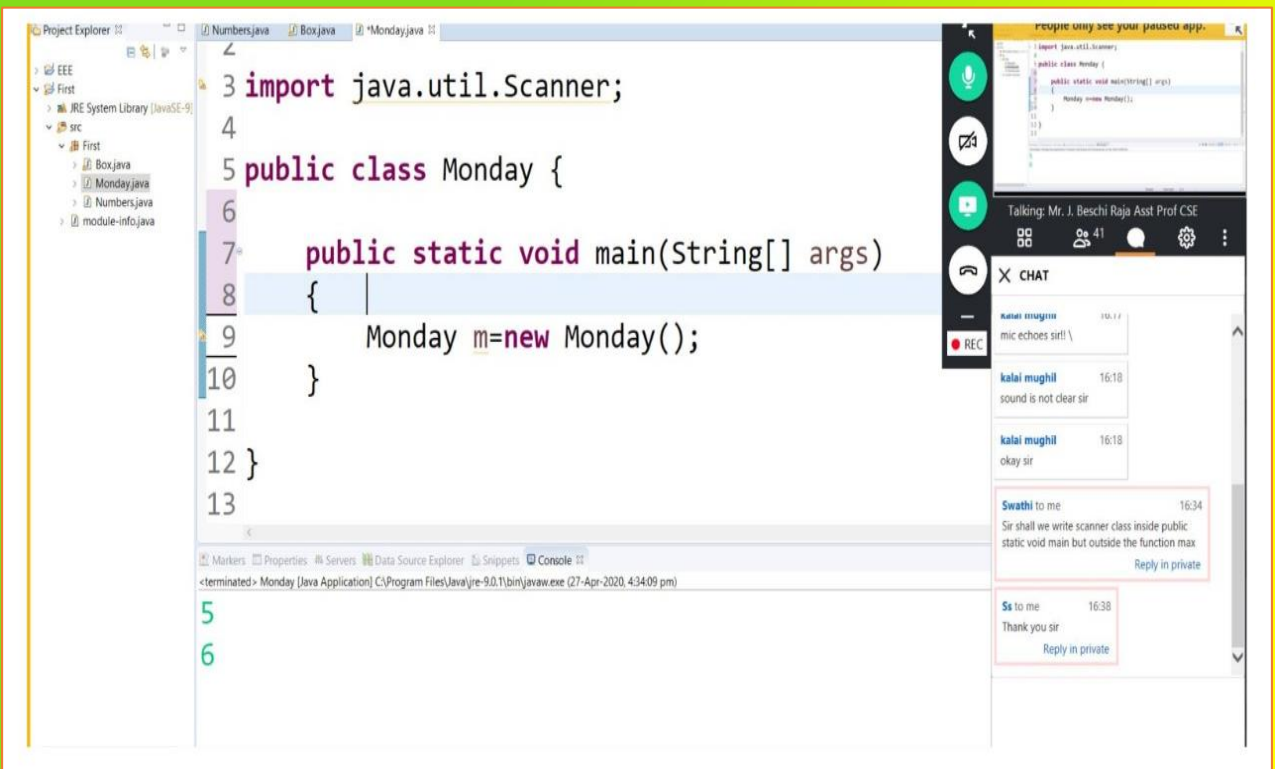
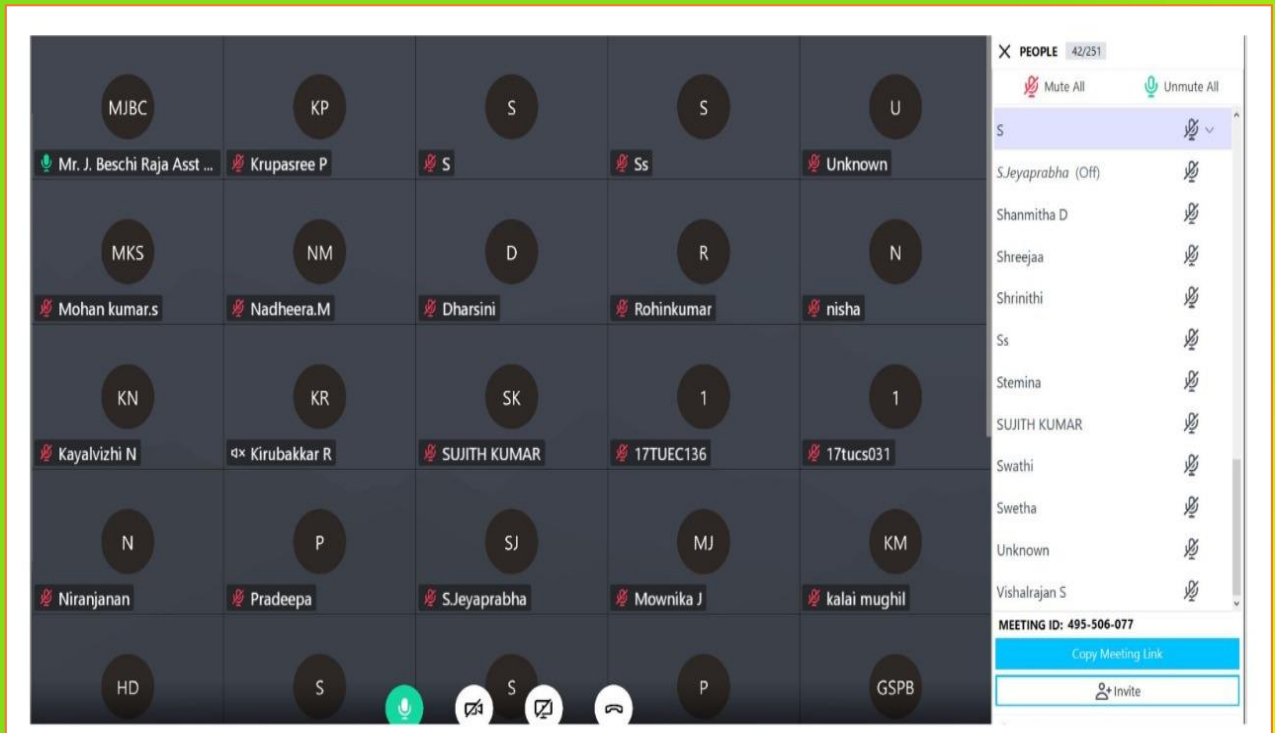
Abdul Basit Divya.t M

STAR Risk Management Webinar on 27 April 2020

Connecting to audio

Leave Meeting (Alt+Q)

Students from different branches attended an E - Placement Refresher Training on “**Java- Methods and Constructors**” conducted by Mr J Beschi Raja, Asst. Professor, Dept. of CSE between 4.00 pm and 5.15 pm on 27 April 2020.




The School of Management organized a Webinar on “**Journey of an Entrepreneur**” on 28 April 2020. Members of Faculty and Students of SKCT actively participated in the webinar. Mr Arjun Murthy Ranga, Managing Director and CEO, N.R. Ranga Rao & Sons Pvt. Ltd.,(Cycle Brand Agarbathis) was the Resource Person.



The Dept. of ECE organized a Webinar on “**Predictive Analytics**” delivered by Mr M Vigneshwar, Business Analyst, AI Australia, Australia and an Alumnus of ECE on 27 April 2020. Dr S Senoj Joseph, Asso. Professor and Ms B Banuselvasaraswathy, Asst. Professor, Dept. of ECE coordinated the event.

SRI KRISHNA COLLEGE OF TECHNOLOGY



INSTITUTION'S INNOVATION COUNCIL
Member of AICTE Category


DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Inviting you all to digitally attend the webinar on
Predictive Analytics


Resource Person
Shri. Vigneshwar M
Business Analyst, AI Australia
Australia

Event Schedule
27th April, 2020 @ 3 pm
Meeting ID: 3172078494


Powered by



SKCT fights against COVID 19
Stay Home | Stay Safe




3:16 PM 128KB/s 317-207-8494 Leave
Password: 11103161



Introduction to Analytics

- What is Predictive Analytics
Reduce risks, Optimize operations and Increase revenue
- Who is using it?
Retail, Aerospace, Manufacturing, Banking, Health, Utilities
- Benefits of Prediction
- Zomato Case Study

Mute Start Video Share Participants More



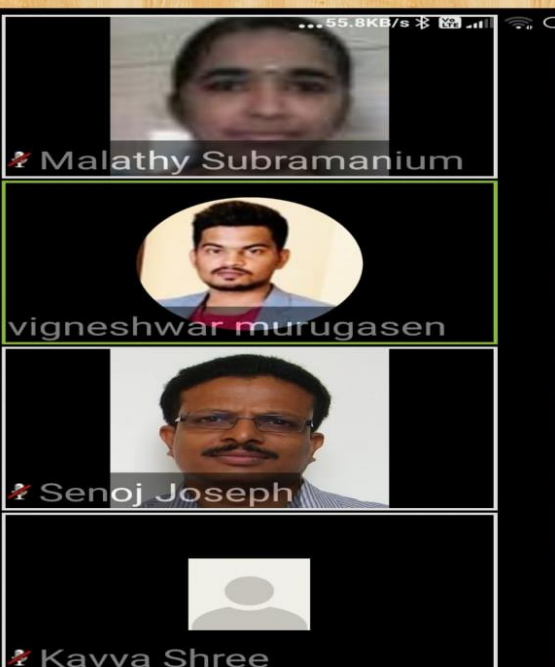
3:09 PM ... 38.2KB/s

Close Participants (21)

Search

- Malathy Subra... (me)
- vigneshwar m... (host)
- Keerthana
- Kiruthiga sundararaj
- BANUSELVASARA

3:09 PM ... 55.8KB/s



Malathy Subramaniam

vigneshwar murugasen

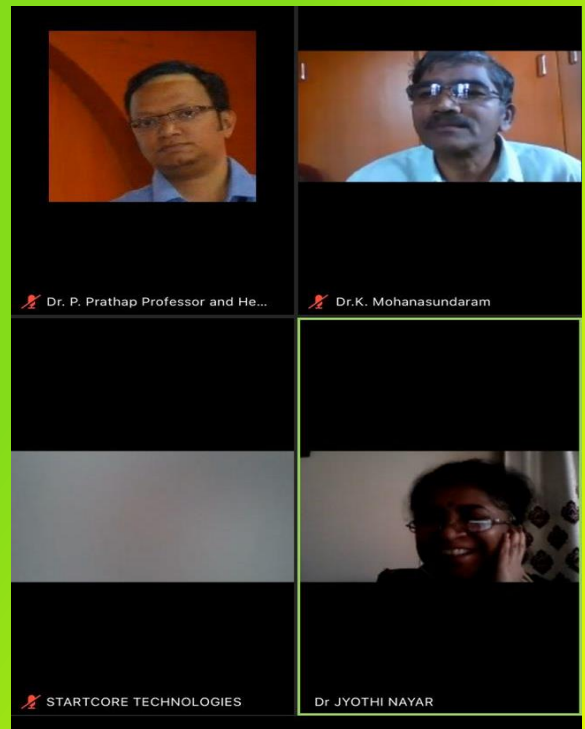
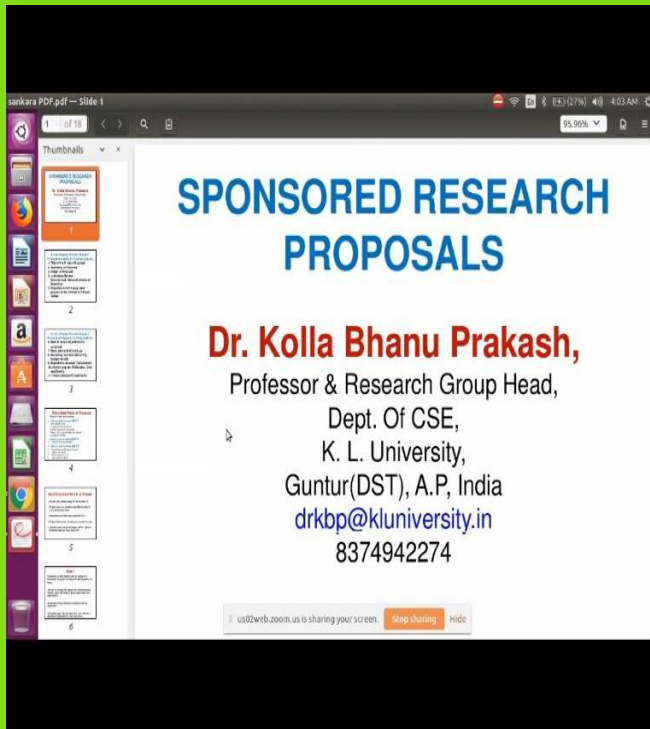
Senoj Joseph

Kavya Shree

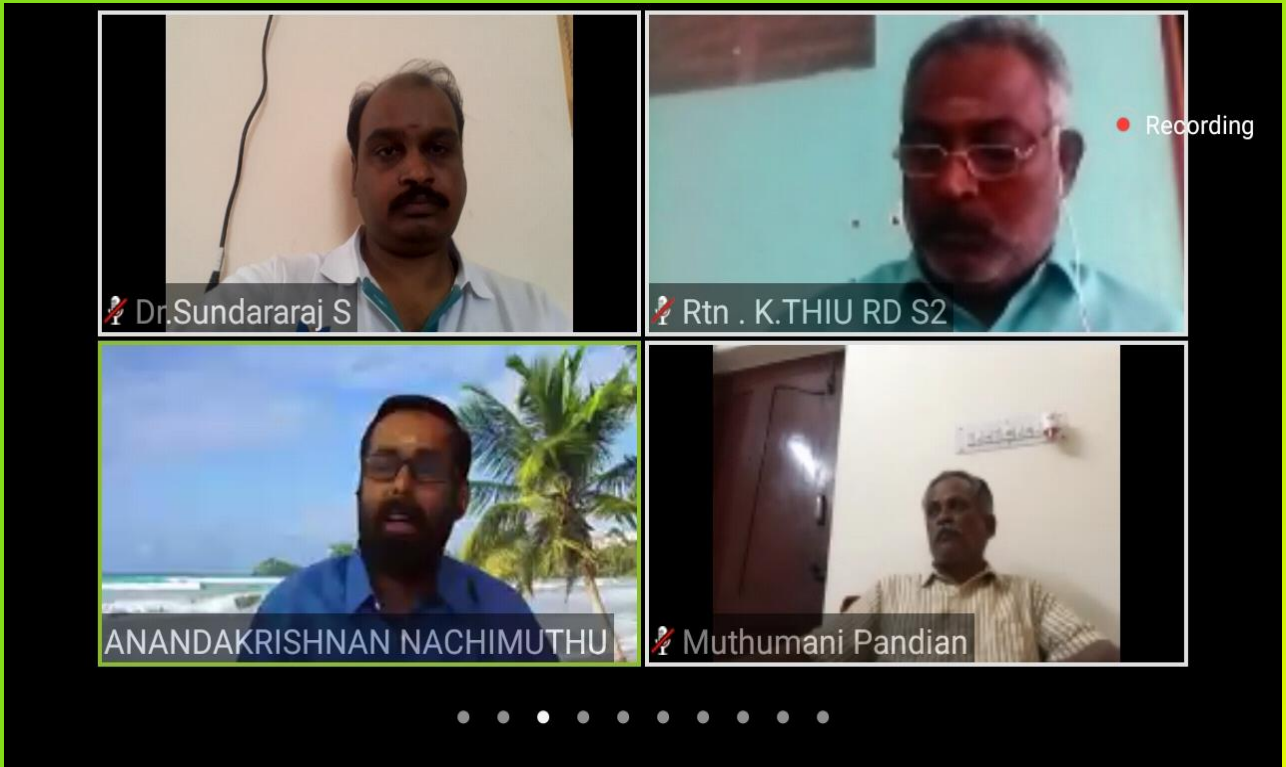
WEBINARS ATTENDED



Dr P Prathap, Prof. & Head, Dept. of Mechanical Engineering attended a Webinar on “Preparation of Research Proposals to Funding Agencies” delivered by Dr Kolla Bhanu Prakash, Prof. & Research Group Head, Dept. of CSE, K L University, Guntur, AP. The Webinar was organized by STARTCORE Technologies on 27 April 2020.



Dr S Sundararaj, Professor, Dept. of Mechanical Engineering attended a Webinar on “Enrich Your Entrepreneurship” organized by ISHRAE Coimbatore Chapter on 27 April 2020.





Knowledge gap



● Recording



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Refer a friend or colleague.

ANANDAKRISHNAN NACHIMUTHU's screen



Mr S Dilip Kumar, Asst. Professor, Dept. of ICE attended the FICCI-TDB Webinar on **“Funding Opportunities for Start-ups/SMEs for Indigenous Technology Commercialization”** administered by Cdr. Navneet Kaushik, Scientist 'E', Technology Development Board, DST, Govt. of India on 28 April 2020.

Funding criteria

- ▶ Who can be funded ?
 - ▶ Any commercial enterprises, startup companies (excluding sole entrepreneur/ proprietorship concerns)
- ▶ Source of Technology
 - ▶ National Laboratories
 - ▶ In-house R&D unit of a company recognized by DSIR
 - ▶ Individuals holding IPRs
 - ▶ Adaptation of imported technology to wider domestic applications

Funding Opportunities for Start-ups/SMEs for Indigenous Technology Commercialization
203 watching now · Started streaming 14 minutes ago

Mr Ajith B Singh, and Mrs K Shanthi, Asst. Professors, Dept. of ICE, attended a Fluke Sponsored Webinar on **“Test & Measurement Solutions for Proactive Maintenance - Fluke Innovation”** delivered by Mr Girish Ramamoorthy, Assistant Manager, and Mr P V Prabhakaran, Senior Manager, Fluke Technologies Pvt. Ltd., on 28 April 2020.

Current State Workflow Using Existing Portable Oscilloscopes

3 - Phase Input Meas

- Voltage Unbalance
- Current Unbalance
- V and I Harmonics

FLUKE

Motor Performance and Efficiency

SETUP FUNC. PREF.

MOTOR SETUP

From motor nameplate

Rated Power: 2.4kW

Rated Speed: 3450 rpm

Rated Voltage: 480 V

Rated Current: 5.4 A

Rated Frequency: 60 Hz

Rated Cosφ: 0.85

Rated Service Factor: 1.15

Motor Design Type: NEMA-B

Variable Speed Drive: YES

MODEL NO. DMS3450

VOLTS 480V

AMP 5.4

HP 3.2

ENCL. TEFC IP54

FRAME NO. 182TC

FL RPM 1780

MAX. AMB. 40 °C

SERVICE FACTOR 1.15

IND. H TIME RATING CONT

D.E. 0.85

3-PHASE

EFFICIENCY 80.5% NEMA DESIGN B

MOTOR ANALYZER

Pos 0 0:01:55

Electrical % of rated

kW electr. 2.083 93%

PF full 0.86 95%

% Unbalance 2 95%

Harmonics 0.04 67%

00/10/16 10:10:08 208V 60Hz 3Ø DELTA CMS100

MOTOR ANALYZER

Pos 0 0:01:26

Mechanical % of rated

hp mech. 2.013 90%

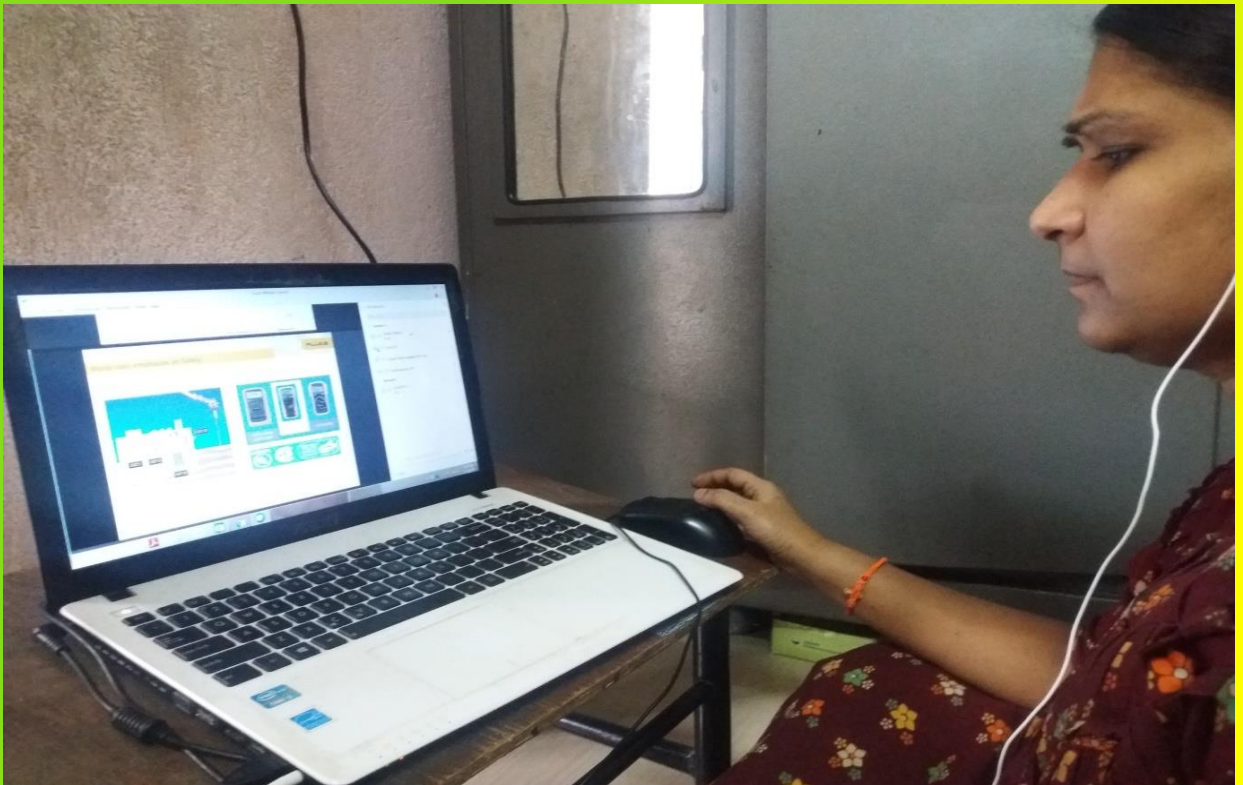
lb.ft. torque 4.0

rpm speed 3471 95%

% efficiency 82

00/10/16 15:07:35 208V 60Hz 3Ø DELTA CMS100

Electrical Measurements Mechanical Measurements



Dr P Manju, Prof. & Head, Dept. of ICE attended the “TiE - BIRAC Entrepreneurship Awareness Webinar” hosted by TiE Delhi - NCR on 28 April 2020.

TiE DELHI NCR
FOSTERING ENTREPRENEURSHIP

birac
Ignite Innovate Incubate

TiE - BIRAC Entrepreneurship Awareness Webinar

[Register Now](#)

28th April 2020 10:30am to 12:00pm Online Webinar

What all should a Business Plan Have ?

- Market and Competitor Analysis
- Financial Plan – How much money do you need to start the business ?
- When will you be self-sustainable ?
- Have you built in your scenarios?
- Your Team
- Why You ?

Key Aspects while Launching a Business

- Your Founding Team Members
- Your Investor Partner
- Your Proof of Concept
- Your Pivots

Why do you Need a Business Plan?

- You have a Detailed Plan
- You work through different Scenarios
- You know your Stakeholders – Investors, Suppliers & Employees.
- You know what Resources you will need – TEAM, INVESTORS, SUPPLIERS & PARTNERS.

Recording

Upasana Sharma Raman Roy Habib Ali Taranjeet Kaur

Dr M Karthigai Pandian, Asso. Professor, Dept. of ICE attended a Webinar on **“Connecting Teams together across Borders Securely”** organized by ETCIO on 28 April 2020. Mr Pankaj Agarwal, Head - Collaboration Business, India & SAARC, Cisco and Mr S Jeyavelan, Business Head UC & Mobility, Tata Communications delivered the Webinar.



File Edit View Communicate Participant Event Help

TE JS JS VA

The ET Host Jeyavelan S Jeyavelan S Pankaj Agrawal Varun Aggarwal

Business Continuity – Industry Overview

Technology service provider industry impacts on technology investment due to COVID-19. (source – Gartner)

Industry	Short-Term Impact on Tech Investment	Long-Term Impact on Tech Investment
Banking and Securities	Negative	Uncertain
Communications	Positive	Positive
Education	Positive	Positive
Public Sector	Positive	Positive
Healthcare	Positive	Positive
Insurance	Negative	Uncertain
Manufacturing	Negative	Uncertain
Retail	Negative	Uncertain
Transportation	Negative	Negative

Cloud Conferencing

Cloud conferencing will experience a significant near-term boost based on expectations for workplace changes that increasingly favor virtual meetings. Fears associated with transmission of COVID-19 and resulting quarantine measures will encourage the adoption of virtual workplace meetings globally. In attempts to replace face-to-face workplace communication and collaboration, conferencing services will increasingly be leveraged to conduct business and restore business continuity. Long term, while web conferencing license adoption growth rates will taper off post-COVID-19, conferencing volumes will not return to prepandemic outbreak levels.

Impact of COVID-19 on businesses (Source – 451 Research, Sample size = 719- 751 respondents)

Impact	2020	2021	2022	2023
Reduced or delayed supply of parts or materials	26.0%	24.0%	5.0%	0.0%
Reduced or delayed access to services	22.0%	21.0%	0.0%	0.0%
Loss or reduction of customer demand	22.0%	20.1%	1.3%	0.0%
Increased stress on internal IT resources	40.0%	33.0%	2.0%	0.0%
Reduction in employee productivity	30.1%	21.9%	1.0%	0.0%
Reduced access to clients or prospects (e.g., cancelled meetings)	60.0%	34.0%	1.0%	0.0%

Participants

Panelist: 5

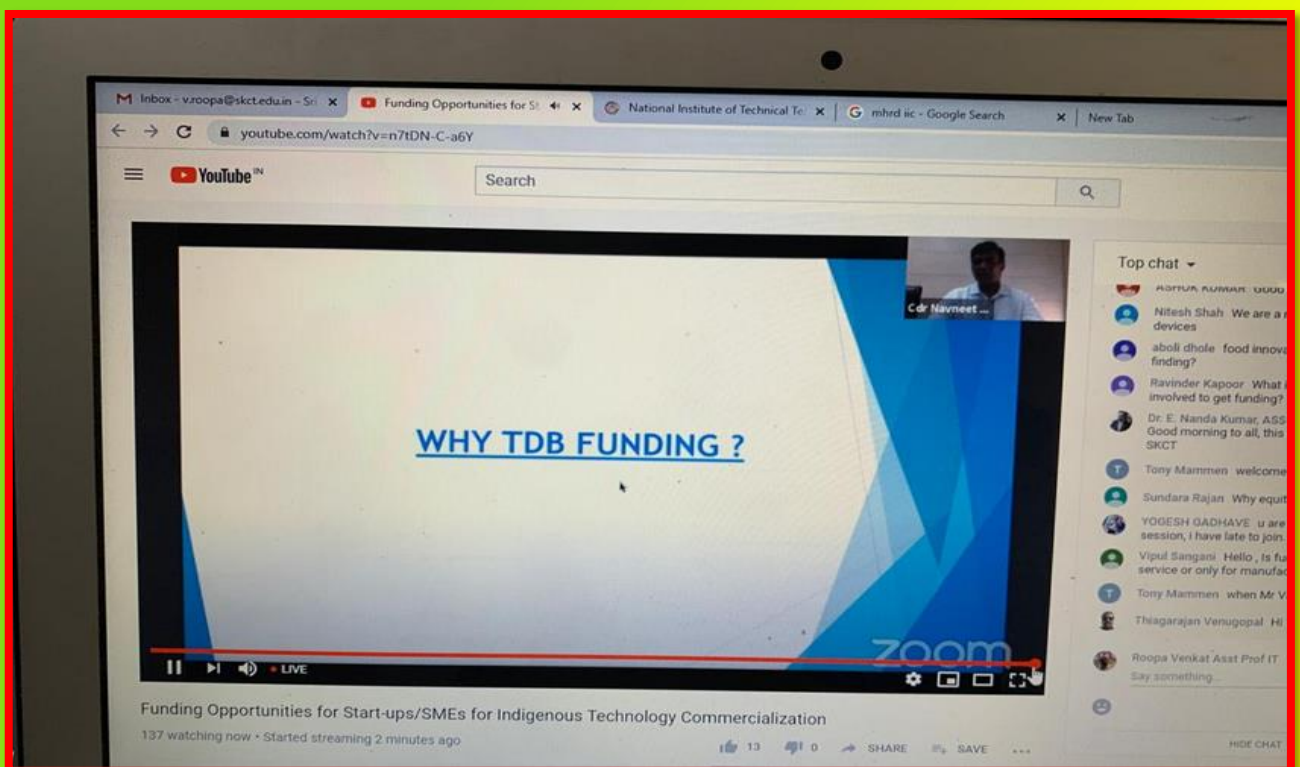
- TE The ET Host
- JS Jeyavelan S
- JS Jeyavelan S
- PA Pankaj Agrawal
- VA Varun Aggarwal

Attendee:

- EM Karthigai Pandian M Me

28 April 2020 | A Daily Newsletter

Ms V Roopa, Asst. Professor, Dept. of IT attended a one-day Webinar on **"Funding Opportunities for Start-ups/SMEs for Indigenous Technology Commercialization"**, jointly organized by the Federation of Indian Chambers of Commerce & Industry (FICCI) and the Technology Development Board (TDB), Department of Science and Technology, Govt. of India, on 28 April 2020. Cdr. Navneet Kaushik, Scientist 'E', Technology Development Board, DST was the Resource Person.

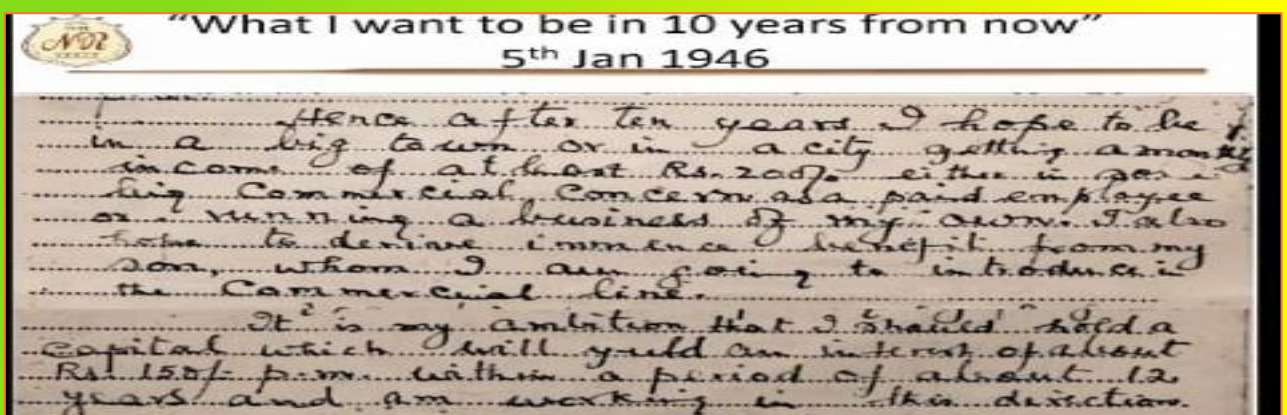


Students and Members of Faculty from the Dept. of CSE attended a Webinar on **“Introduction to React with Hooks”** delivered by Mr Prashanth, Organizer, FBDevC, Coimbatore, SDE Serendio Inc., between 5.00 pm and 6.00 pm on 27 April 2020. The Webinar was organized by Learn with Community, GDG Cloud Coimbatore Team and an initiative by Mr R Manoj Aiyer, III CSE B, SKCT.

COMMON TECHNOLOGIES
that you would need to develop expertise in

FRONT END	BACKEND	DATABASE	VERSION CONTROL	PROJECT MGMT TOOLS
HTML	Ruby on Rails	MySQL	GIT	Basecamp
HTML5	PHP	MongoDB	Grunt	Jira
Java Script	Angular2	CouchDB	Xdebug	Trello
J Query	Node.js	MS SQL	Subversion	Redmine
CSS3	.Net			Teamwork

Students and Members of Faculty from the Dept. of CSE attended a Webinar on **“Journey of an Entrepreneur”** handled by Mr S Arjun Murthy Ranga, Managing Director & CEO, N R Ranga Rao & Sons Pvt. Ltd., between 11.00 am and 12.15 pm on 28 April 2020.



Students and Members of Faculty from the Dept. of CSE attended a Webinar on **“How to Write your First Blog Post”** delivered by Ms Dhivya Krishna, Ambassador Women Techmakers, Coimbatore. The Senior Content Executive, Vakilsearch coordinated the event organized by Learn with Community - an initiative by Mr R Manoj Aiyer, III CSE B, SKCT between 10.00 am and 11.00 am on 28 April 2020.

The growth of the digital world

In every social media channel or any website, content rules!

Content is the King!

How to write your first blog post

Dhivya Krishna,
Ambassador Women Techmakers Coimbatore,
Senior Content Executive Vakilsearch.

28th April, 10 AM bit.ly/lwc-blogs

Learn with Community

Choose your niche

How to find your niche?

- Figure out what you love
- What are your strengths?
- Be self-aware
- Keep brainstorming

Examples:

- SEO writing
- Technical writing
- Finance Writing etc

What is your Niche?

The Stuff Your Good At

The Stuff You Love

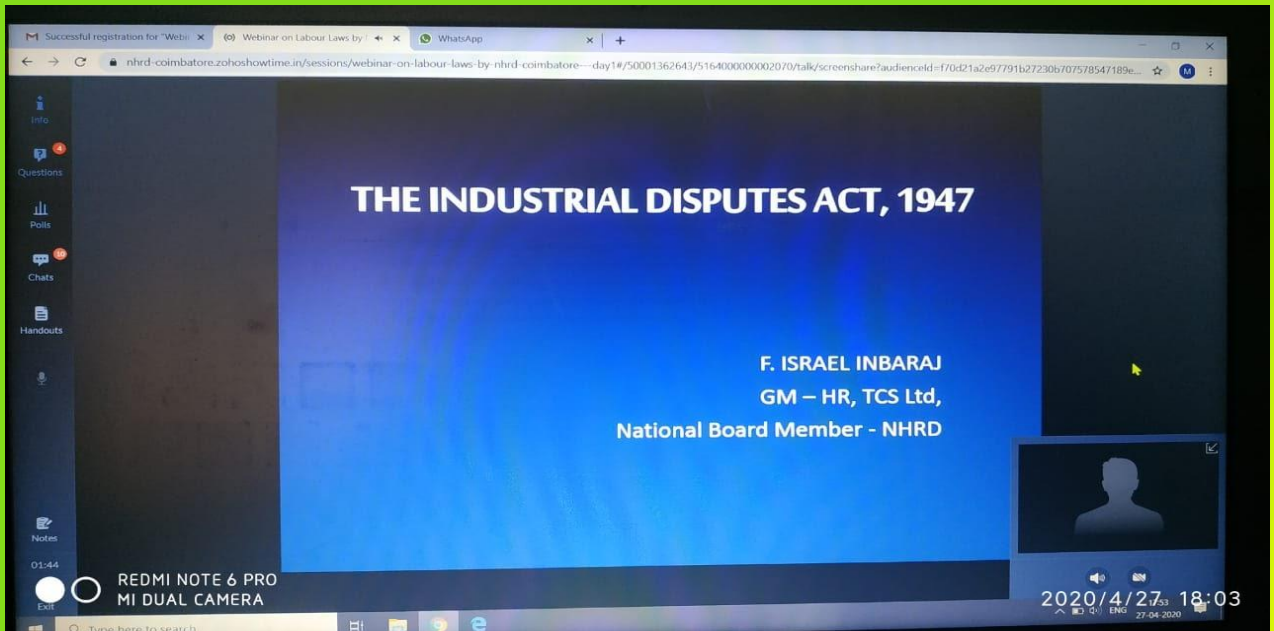
The Stuff People Will Pay You For

Technical Writing

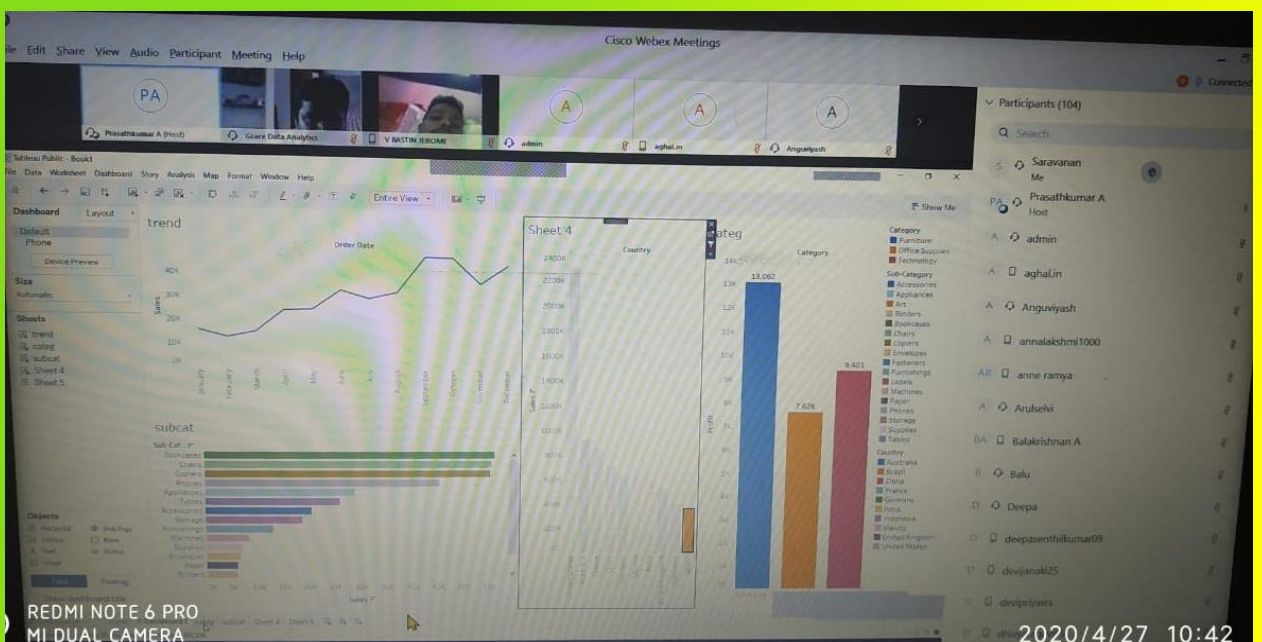
- Technical Reports
- Emails conveying technical information
- Memos
- User Interface Text
- Guides and User Manuals
- Press Releases
- White Papers & Case Studies
- Executive Summaries
- Balanced Scorecards
- Product Descriptions
- Proposals
- Reports
- Websites

Mr J Beschi Raja, Asst. Professor from the Dept. of CSE attended a Webinar on **“Entrepreneurship Awareness”** organized by TiE Delhi- BIRAC Delhi between 10.30 am & 12.00 Noon on 28 April 2020.

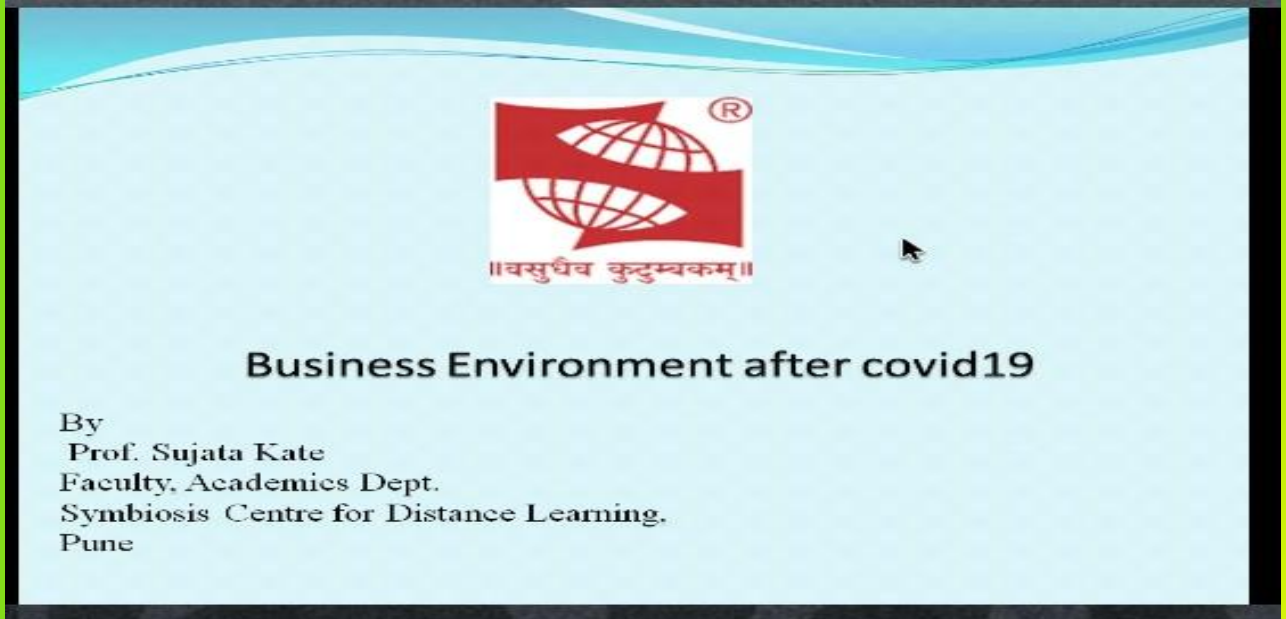
Ms R Saravanan, Asst. Professor, School of Management attended a Webinar on **“Industrial Disputes Act, 1947”** on 27 April 2020. The webinar was organized by NHRD, Coimbatore Chapter. Mr F Israel Inbaraj, General Manager - HR, TCS LTD & National Board Member – NHRD was the Resource Person.



Mr A Prasath Kumar, Asst. Professor, School of Management, SKCT delivered a Webinar on **“Data Visualization using Tableau”** on 27 April 2020. The programme was organized by the Department of Business Administration, Nehru Arts and Science College, Coimbatore.



Ms A Mohana Priya and Ms P Geetha, Asst. Professors, School of Management attended a Webinar on “**Business Environment after COVID - 19**” on 27 April 2020. The Webinar was organized by the Symbiosis Centre for Distance Learning, Pune.



The slide features a red logo with a globe and the motto "॥वसुधैव कुटुम्बकम्॥" (Vasudhaiva Kutumbakam). The title "Business Environment after covid19" is centered. Below it, the presenter's details are listed: "By Prof. Sujata Kate, Faculty, Academics Dept., Symbiosis Centre for Distance Learning, Pune".

Mr S Ganeshprabhu, Asst. Professor, Dept. of ECE attended a Webinar on “**How to get Published in Scientific Journal: From Research to Publication**” organized by Sri Ram Institute of Technology, Chennai on 27 April 2020.



The certificate is issued by SAI RAM INSTITUTE OF TECHNOLOGY, an Autonomous Institution affiliated to Anna University and approved by AICTE, New Delhi. It is accredited by NBA and NAAC 'A+'. The certificate certifies that Mr. S GANESH PRABHU of SRI KRISHNA COLLEGE OF TECHNOLOGY participated in an online webinar on "How to Get Published in Scientific Journal : From Research to Publication" on 27/04/2020 from 4PM to 5PM, hosted by MHRD - Institute Innovation Council - Sri Sai Ram Institute of Technology, Chennai -44, Tamilnadu. The certificate is signed by Dr. G. Shanmugasundar (Co-ordinator), Dr. K. Palanikumar (Principal & President, MHRD IIC - SSIT), and Sai Prakash LeoMuthu (Chairman & CEO). Logos for MHRD, SAI RAM INSTITUTE OF TECHNOLOGY, and Sairam Group are also present.

Ms C Kalaiselvi, Asst. Professor, Dept. of Science and Humanities attended a Webinar on "A Workshop on Improving Research and Writing Skills" conducted by Mr Visual Gupta, Consumer Consultant, Elsevier, Delhi on 27 April 2020.

Journal organization: Open Access 928-8246-9717 Password: 123456 Leave

- Most journals are subscription journals, they are purchased by university/library and are only accessible to subscribers.
- Currently also 'open access' journals are available. Authors (or their funders) pay 'article process charges' (APC) and the article is freely available.
- Most subscription journals offer option to make an article 'open access'. These are so-called 'hybrid' journals.
- Gold open access: author pays to publish in journal
- Green open access: manuscripts is available through institutional repository.

Chats Raise Hand Q&A More

A typical publishing workflow

What Editors want?

- Paper is scientifically correct
- If it reports something new
- If it reports something significant
- If the paper is of interest to the readers

Top reasons for rejection by an Editor are:

- Topic of research not trending/not impactful
- Poorly written abstract: Language errors
- Too many/irrelevant Self-cites
- Poor geographical distribution of citations
- Recent articles not cited
- Leading scientists/top journal articles not cited

Gupta, Vishal (ELS-DEL)'s screen

69 Members of Faculty and 136 Students of SKCT attended the NPTEL Special Series on “Career in Merchant” with Capt. Kirpakaran, Captain in Merchant, Navy, Wallem Ship Management Inc. on 27 April 2020. Mr S GaneshPrabhu, Asst. Professor, Dept. of ECE coordinated the event.

6:14 PM

NPTEL SPECIAL LECTURE SERIES

The Shipboard Structure

Live_Career in Merchant Navy

1,747 watching now

566 7 Share Report Down

NPTEL LIVE ST... 30.8K subscribers **SUBSCRIBE**

Passenger Ships

Car Carriers

The Shipboard Structure

Medical Standard for Marine Engineers

Some historical facts of Merchant Navy

form link: <https://tinyurl.com/NPTEL-27th-Mercha...>

Presenter: Krupakaran J
 Captain in Merchant Navy
 Manager at Wallem Ship Management Inc

Joined The Merchant Navy in 1995 & rose to the rank of Captain in 2006. Have been with the Marine HR department from 2012-2017. Recruiting Staff for the Merchant Navy.

NPTEL SPECIAL LECTURE SERIES

Car Carriers

NPTEL

Members of Faculty of Communication Cluster, Dept. of ECE attended a Webinar on **“Optimetrics for Antenna”** organized by Entuple Technologies on 27 April 2020.

Parametric Setup: Example of Probe feed Patch Antenna

Design Variables

Checking Design Variables : Two design variables have been created that control the location of the feed of the patch antenna, **feed_pos**, and the length of the patch, **x_patch**

Name	Value	Unit	Evaluated Value	Description
Command	CreateRectangle			
Coordinate Sys.	Global			
Position	{x_patch/2, 1.5cm, 0.2cm}		1.5cm, 1.5cm	
Axis	Z			
Width	x_patch	cm	4cm	
Height	0	cm	0cm	

Speaking: Entuple Technologies

3:50 PM 38.3KB/s

Model

- pc
- Perfect Dielectric
- Ground
- vacuum
- Wave Port
- Coordinate Systems
- Planes
- Lists

Name	Value	Unit	Evaluated Value	Description
L	4.244281073897	cm	4.244281073898	
width	3	cm	3cm	

Nothing is selected

Speaking: Entuple Technologies

Members of Faculty of Communication Cluster, Dept. of ECE attended a Webinar on **“Antenna Design & Validation using Altair FEKO”** delivered by Mr Sumith Pillai, Lavender Technologies and Solutions, Altair on 28 April 2020.

The screenshot shows a GoToMeeting interface with a presentation slide titled "Windscreen Antennas". The slide content is as follows:

- What are windscreen antennas?**
 - Antennas (FM, AM, TV, mobile) are often integrated directly into the vehicle multilayer rear quarter or rear windscreen, as they provide no aerodynamic drag
- Too complex for full 3D simulation**
 - Not practical to mesh antenna, glass layers and car chassis
- FEKO windscreen antenna solution**
 - Based on MoM (and can enable MLFMM)
 - Meshes only metallic windscreen elements
 - Accurate, memory and speed efficient numerical implementation
- Solution caters for effects**
 - Dedicated modelling tool for adding antenna geometry to windscreen
 - Multiple glass layers
 - Curvature of windscreen
 - Coupling between closely spaced antenna elements
 - Multiple windscreens
 - Cables

On the right side of the slide, there is a 3D model of a car windscreen with a green antenna grid overlaid. Below the model is a table with the following data:

Layer	Material	Thickness	Co.	Loss d	Loss
1	Aluminum	0.3 mm	7	0.00	
2	PVD CuI	0.28 mm	3	0.05	
3	Aluminum	0.3 mm	1	0.00	
4	PVD CuI	0.28 mm	3	0.05	
5	Antenna wires	1.00 mm	1	0.00	6.1 x 10 ⁻⁵
6	PVD CuI	0.28 mm	3	0.05	
7	Aluminum	0.3 mm	7	0.00	
8	Aluminum	0.3 mm	7	0.00	

The meeting interface shows participants: Vadivelu Ramasamy, Srinivasan V, ECE Webmeeting, CYRIL, Dr.S.Shanthi, and Banuselvasaraswathy B. The presenter is sumith pillai.

The screenshot shows a GoToMeeting interface with a presentation slide titled "Railway". The slide content is as follows:

- Antenna Placement**
- EMC**
- EMI**
- Vehicle body shielding**
- Anti-collision Radar**
- Obstacle information system**
- RF planning for tunnel**

The slide features a photograph of a modern blue and white high-speed train on tracks, with a city skyline in the background.

The meeting interface shows participants: VENKATESHKUMAR, Srinivasan V, ECE Webmeeting, CYRIL, and Dr.S.Shanthi. The presenter is sumith pillai.

Dr K Gaayathry, Asst. Professor, Dept. of EEE attended a Webinar on “TIE - BIRAC Entrepreneurship Awareness” on 28 April 2020 administered by Ms Upasana Sharma, Entrepreneurship Enabler & Learner, South West Delhi.



Why do you want to be an Entrepreneur?

- Is there a market gap or customer need, that is not getting fulfilled by an existing set of products, that you can solve better?
- Why are you the best person to provide that service or product?
- Do you have a know how or understanding of how to do it better, cheaper or provide it more efficiently than what is available?

Entrepreneurship

www.divyamodi.com

FDPs ATTENDED

Faculty Development Program



Dr D Jeyabharathi and Ms S Priyadharshini, Asst. Professors, Dept. of IT, attended the Day 2 Session of the five-day Short Term Course organized by NITTTTR on “Linux Applications in Engineering Education” on 28 April 2020. The Resource Person Mr Vipin Gupta, Instructor & Assoc. Professor, National Institute of Technical Teachers Training & Research handled the course.

Linux – Ubuntu 18.04 Utilities

1. Check for Recent Updates - search “software updater” in the Gnome Search Box
2. Install All Missing / Additional Drivers
Gnome Search Box → Software & update → Click on “Additional Drivers” Tab → follow the specific instructions provided on the screen
3. Install GNOME Tweak Tool – for customized settings
`$ sudo apt install gnome-tweak-tool -y`
or
From Gnome Search Box → search ‘Tweaks’ → click on Tweaks icon
4. Enable and Start Firewall while installing Ubuntu
`$ sudo ufw enable`

From SHAHNAWAZ AHMAD to Everyone
Thanks shahid sir

Linux and Machine Learning

Install GPU acceleration software

A number of Machine Learning tools uses GPU Acceleration. In particular for Deep Learning GPUs are used for training models on CPUs, thereby reducing valuable training time of the models. A more detailed explanation by NVIDIA can be read [here](#).

At time of writing this post, the most popular GPU acceleration software for ML/DL is CUDA in combination with cuDNN, both developed by NVIDIA. We will first install CUDA. After that cuDNN which actually is just a matter of adding some files to the CUDA directory.

Verify you have a CUDA capable GPU by entering the following commands in your terminal:

```
lspci | grep -i nvidia
```

From Krishna Kumar Jha to Everyone
9830737975

Dr M Deva Priya, Ms B Dhanalakshmi and Mr T Raghunathan, Asst. Professors, Dept. of CSE attended the Day 2 Session of the five-day Short Term Course on “**Linux Applications in Engineering Education**” on 28 April 2020 organised by NITTTR, Chandigarh. The session was handled by Dr. Karuna Babbar, National Institute of Technical Teachers Training & Research, Chandigarh on 'Linux Applications and Tools for AI'.

The screenshot shows a Zoom meeting interface. On the left, a presentation slide is displayed with the following text:

$y = f(x)$ where x can be from 1 to n . That is y is a function of x and for each value of x there must be a value for y .

if our $y \in \{0,1\}$ → Binary Class Classification
 if our $y \in \{0,1,2,3,4,5,6,7,8,9\}$ → Multi Class Classification
 But if our $y \in \mathbb{R}$ → Regression i.e. \mathbb{R} represents any real value as height which can be 182.6 cm or 188.4 cm

In Machine learning as we do Training and Testing/Validation of data:

Training $(x,y) \rightarrow f(\text{function/algorithm}) \rightarrow f(x) = y$. (Training Stage)
 Test/Validation $(x_0) \rightarrow f(\text{function/algorithm}) \rightarrow y_0$ Predict

Accuracy (AuC) $\in [0, 1]$...any Random classifier can be between 0.5 whereas any sensible classifier: AuC > 0.5 and for a Perfect classifier: AuC = 1.

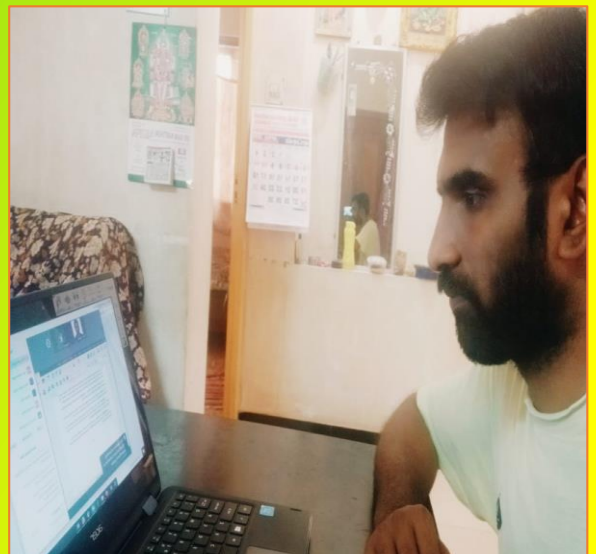
Log-loss - logloss $\in [0, \infty]$: measures the performance of any classification model where the prediction input is a probability value between 0 and 1. For a Perfect classifier it is 0 and for any random classifier it is more than 0. But not

On the right, a video feed shows a woman in a pink shirt. Below the video feed is a list of participants: VIRENDRA SINGH, gahendra chahar, Mohanjeet Kaur, and Sou Jaha. The Zoom control bar at the bottom shows 534 participants, chat, share screen, record, and reactions options.

The screenshot shows a terminal window with the following commands and output:

```
$ sudo ufw enable
or you may check its status by typing:
$ sudo ufw status
Status: active
To allow any specific service or ports in ufw, use below syntax
$ sudo ufw allow ssh
or
$ sudo ufw allow 22/tcp
If you need a graphical user interface for firewall then you need to install the gufw.
$ sudo apt install gufw -y
5. Other useful tools
Synaptic
Another installation tool that can beat your default application software easily.
$ sudo apt-get install synaptic -y
() VLC
$ sudo apt-get install vlc -y
```

The terminal status bar at the bottom shows 532 participants, chat, share screen, and record options.



Mr S Nagakumraraj, Asst. Professor, Dept. of EEE attended the Day 2 of the FDP on “MATLAB Applications in Engineering & Science”, sponsored by Technical Education Quality Improvement Programme (TEQIP Phase III) and handled by Dr Sameer Arora, Professor, Government College of Engineering Karad, Maharashtra on 28 April 2020.

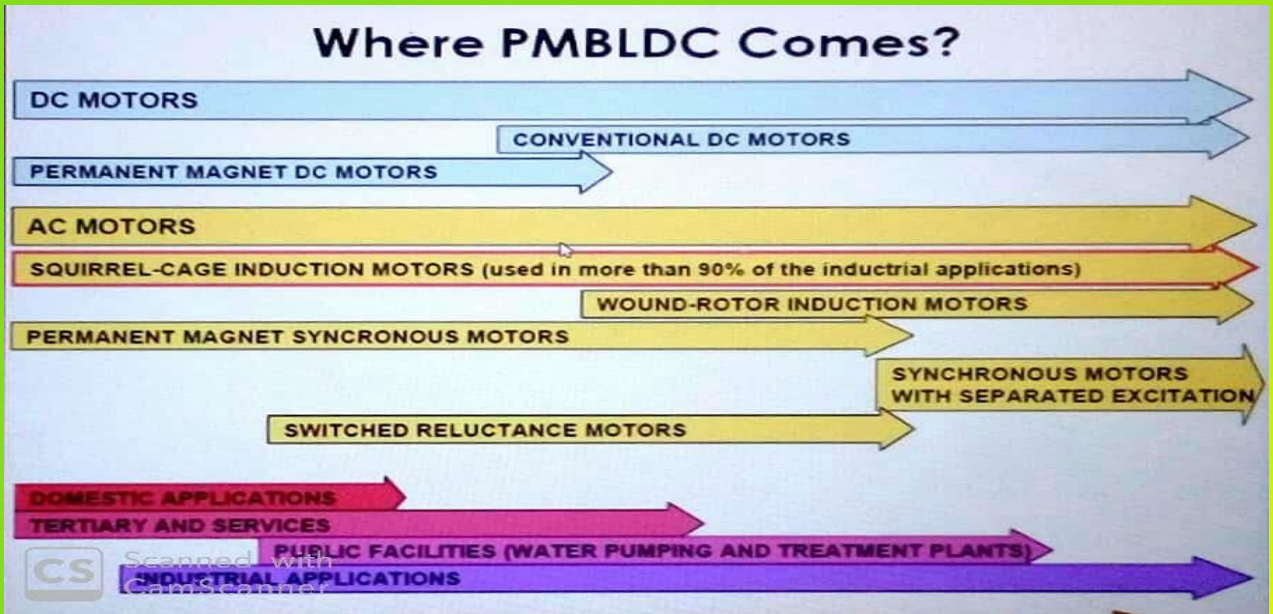
The screenshot shows a Zoom meeting window with a presentation slide. The slide title is "Faculty Development Programme on MATLAB APPLICATIONS IN ENGINEERING & SCIENCE". It is organized by the Department of Civil Engineering at Government Engineering College, Karad, and Raikya Engineering College Azamgarh. The date is Day 2 - 28th April 2020. The sessions are:

- Session I - Complex Processes using ANN (10.30 am to 11.30 am)
- Session II - Image Processing in MATLAB (12.30 pm to 1.30 pm)
- Session III - Basic MATLAB (2.30 pm to 3.30 pm)
- Session IV - MATLAB R2020a (4.30 pm to 5.30 pm)

 The slide also lists the roles of the organizers: Prof. Amarsinh B. Landage (Coordinator), Prof. Basavraj A. Konnur (Convener), Prof. Shrinivas S. Yalunekar (Chairman), and Prof. Ashok. T. Pise (Principal). The Zoom interface shows 94 participants, a chat window with 11 messages, and a video gallery with participants Mr. S. Nagakumar, Amarsinh B. Landage, Sameer Arora, and Parul Saxena.

The screenshot shows a Zoom meeting window with a MATLAB Neural Network Training (ntraintool) window. The window displays a neural network diagram with 6 input nodes, 1 hidden node, and 1 output node. The training progress is shown as 69 iterations out of 1000, with a performance of 43.9. The training state is "Minimum gradient reached." The Zoom interface shows 239 participants, a chat window with 52 messages, and a video gallery with participants Mr. S. Nagakumar, Sameer Arora, ashokpise@yahoo.com, and Amarsinh B. Landage.

Members of Faculty, Dept. of EEE attended the Day One of the FDP on “Technological Advancement in Power System Control, Power Controllers, Drives & E-Vehicles” conducted by Dr S Jeevanantham, Professor, Dept. of EEE , Pondicherry University on 27 April 2020. The FDP is being organized by Dr NGP Institute of Technology, Coimbatore.



3:22 PM ... 21.7K/s 4G VoLTE 4%

Recording

BLDC Motor Vs Brushed DC Motor

Feature	BLDC Motor	Brushed DC Motor
Commutation	Electronic commutation based on Hall position sensors.	Brushed commutation.
Maintenance	Less required due to absence of brushes.	Periodic maintenance is required.
Life	Longer.	Shorter.
Speed/Torque Characteristics	Flat - Enables operation at all speeds with rated load.	Moderately flat - At higher speeds, brush friction increases, then reducing useful torque.
Efficiency	High - no voltage drop across brushes.	Moderate.
Output Power/Frame Size	High - Reduced size due to superior thermal characteristics. Because BLDC has the windings on the stator, which is contained in the case, the heat dissipation is better.	Moderate/Low - The heat produced by the armature is dissipated in the air gap, thus increasing the temperature in the air gap and forcing space on the output power/frame size.
Robustness	Low. Because it has permanent magnets on the rotor. This improves the dynamic response.	Higher rotor inertia which limits the dynamic characteristics.
Speed Range	Higher - No mechanical limitation imposed by brushes/commutator.	Lower - Mechanical limitations by the brushes.
Electric Noise	Low.	Arise as the brushes will generate noise causing EMI in the equipment nearby.
Cost of Building	Higher - Since it has permanent magnets, building costs are higher.	Low.
Control	Complex and expensive.	Simple and inexpensive.
Control Requirements	A controller is always required to keep the motor running. The same controller can be used for variable speed control.	No controller is required for fixed speed, a controller is required only if variable speed is desired.

Dr. S. Jeevanantham's screen

Why Permanent Magnet Motors?

- Improved Efficiency
 - 2-4 % at full load
 - 15-30% at part load
- Smaller and Lighter
 - Up to 50%
- Robust
 - Larger Rotor to Stator Gaps

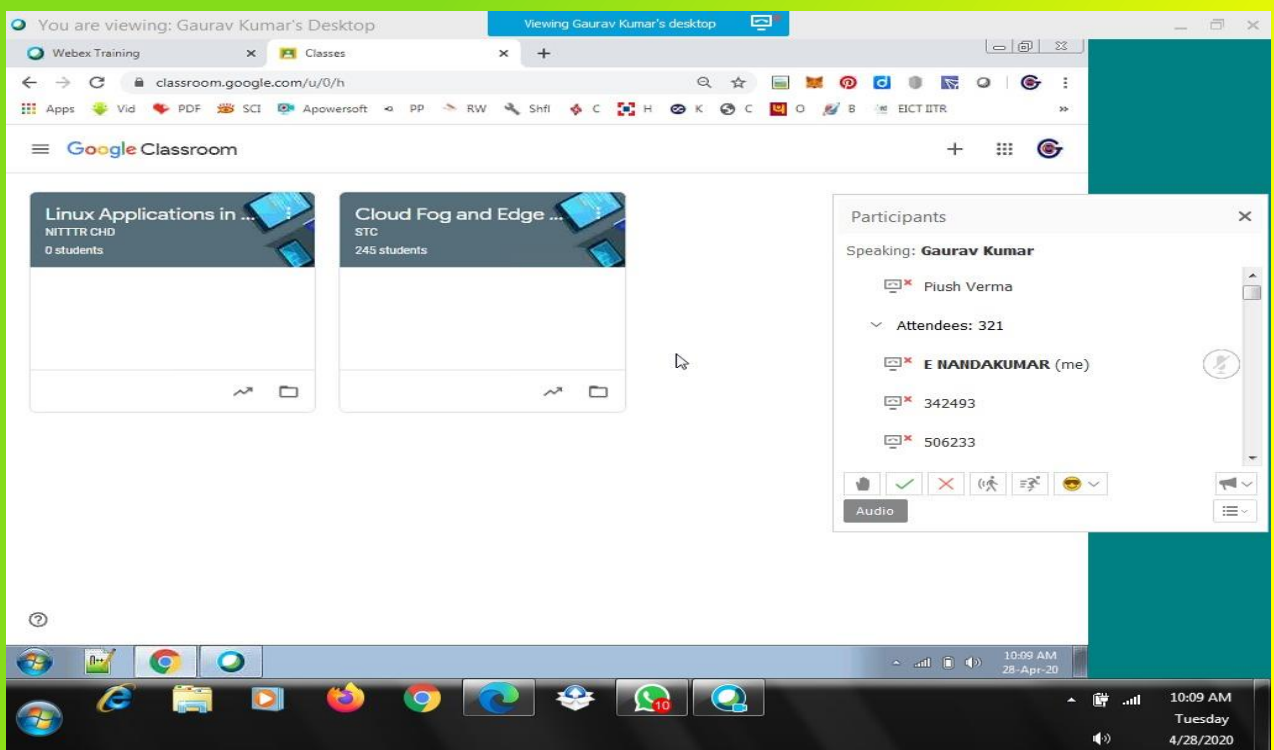
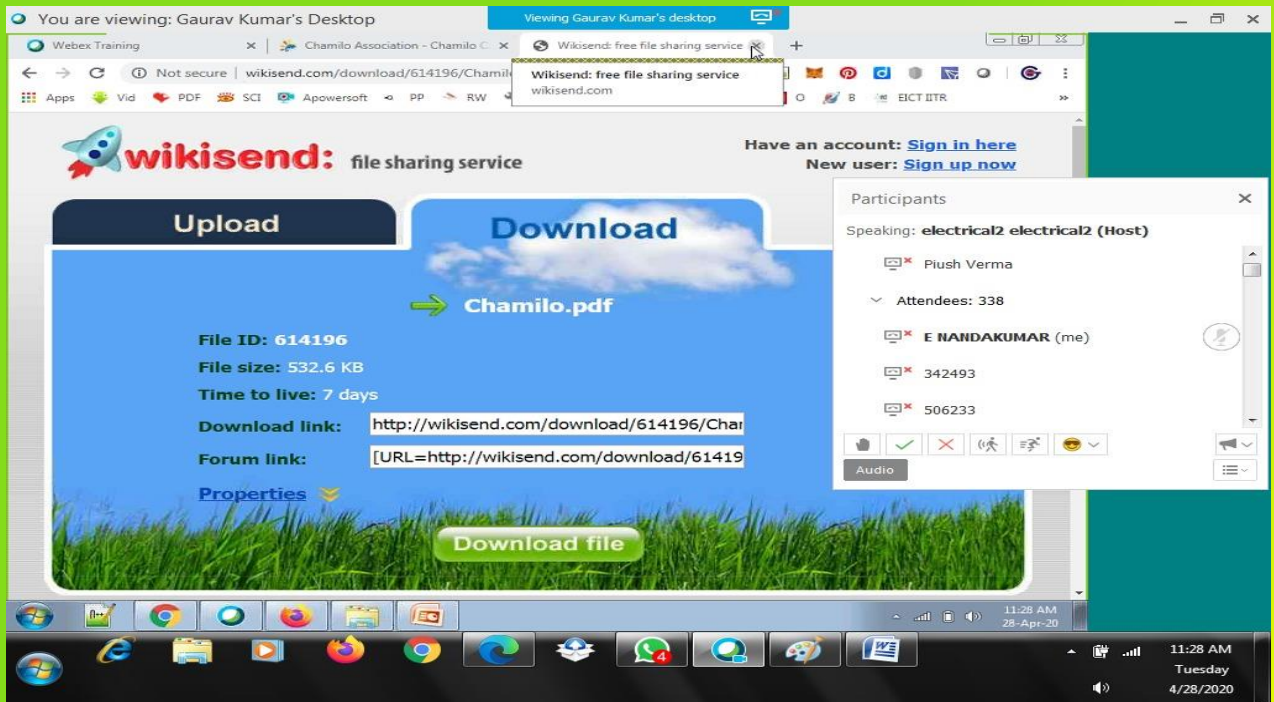
10

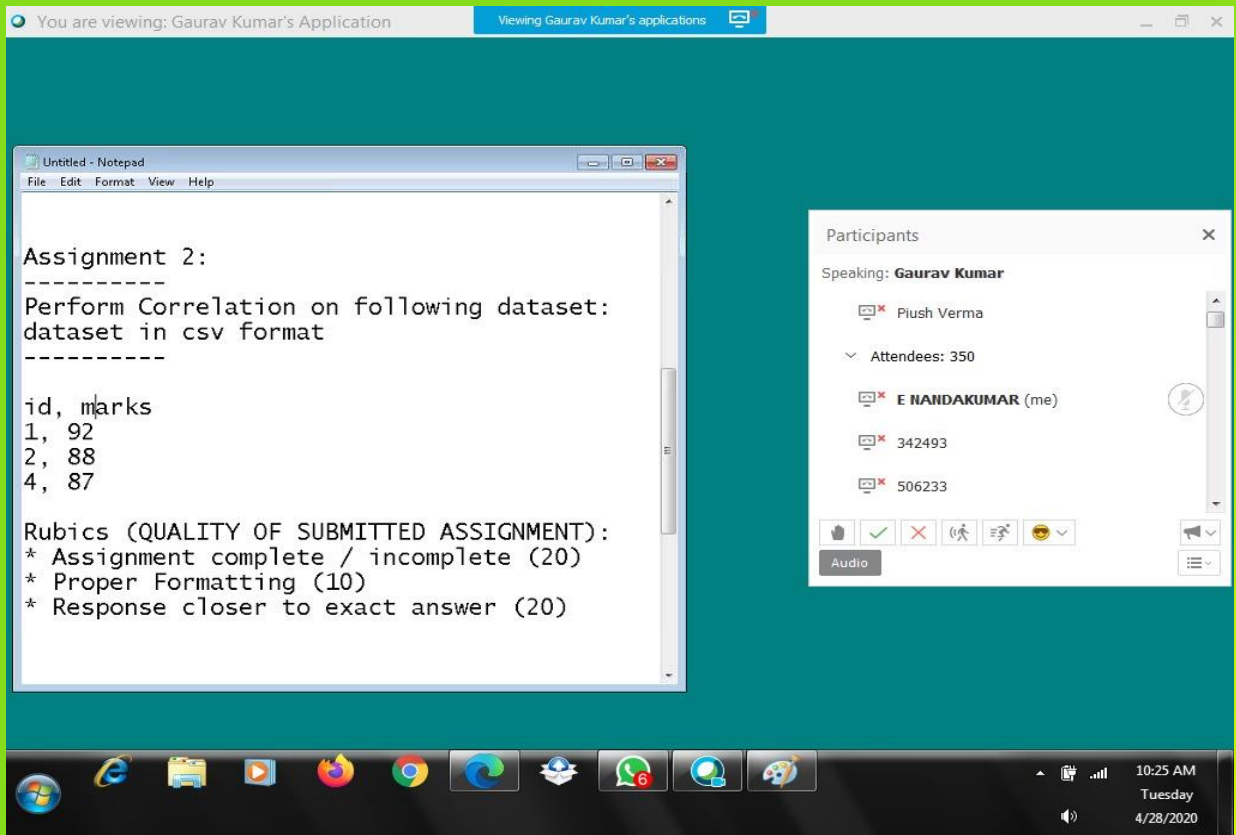
From Meenakshi Sundaram Padmanabhan to Everyone
ok sir

Q&A

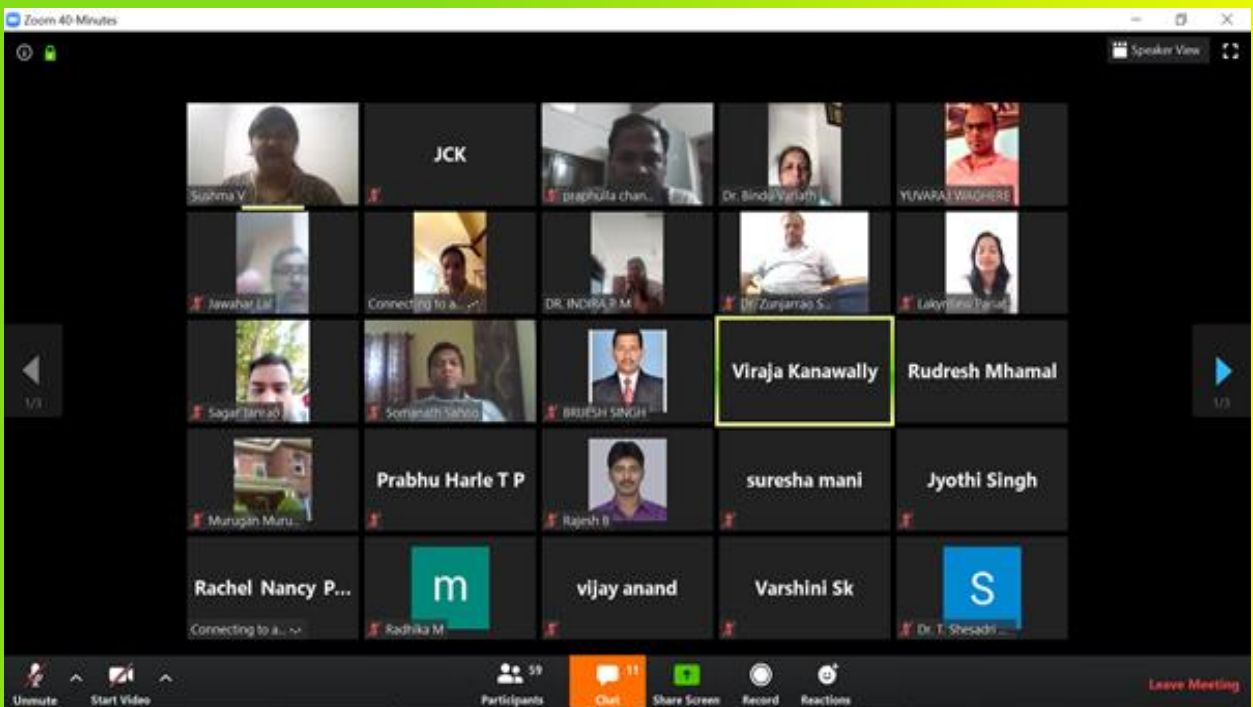
Chats Raise Hand Q&A More

Dr E Nandakumar & Dr S Vimalraj, Asso. Professors, and Dr B Balraj & Mr T Bharaniprakash, Asst. Professors, Dept. of EEE attended the Day 2 of the Short Term Course on “Teaching and Learning for Accreditation in Technical Education” conducted by Dr Gaurav Kumar, Professor, NITTTR, Chandigarh on 28 April 2020.





Dr J Chandrakhanthan, Asst. Professor, School of Management has been attending a One - Week Faculty Development Program on “**Case Study Analysis In Teaching**” since 27 April 2020. The FDP is being organized by St. Teresa’s Degree College for Women.



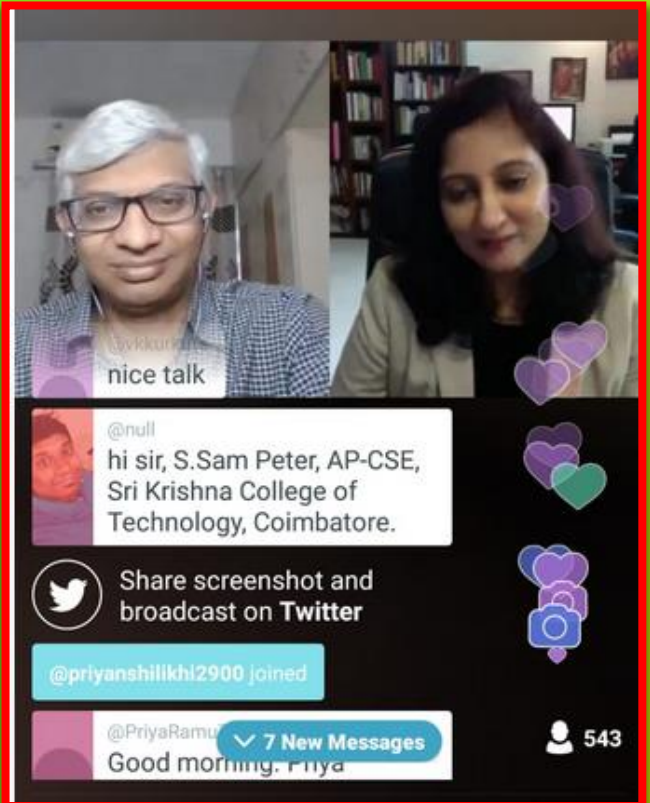
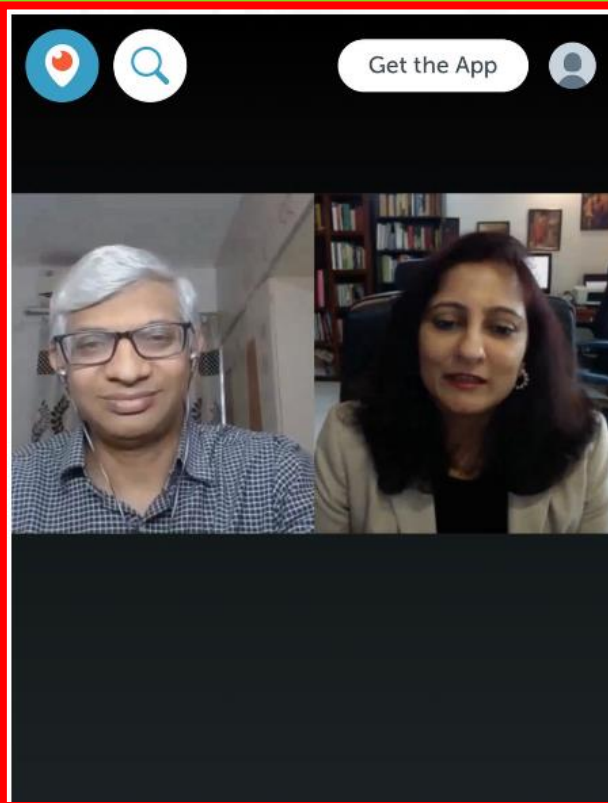
TALK SERIES

let's talk



Members of Faculty from SKCT attended Sky Campus – “**Digital Knowledge Series 2020 Season 3**” organized by the ICT Academy on 28 April 2020. Ms Shradha Sharma, Founder and Chief Editor, Yourstory, delivered the talk and interacted with the attendees. Mr A Sureshkumar, Asst. Professor, Dept. of IT coordinated the event.

Members of Faculty and Students from SKCT attended the Seminar on “**Leadership Talk**” with Ms Anu Acharya, Serial Entrepreneur, Founder & CEO, Mapmygenome and Dr Abhay Jere, Chief Innovation Centre, MHRD Innovation Cell through TWITTER live on 28 April 2020.



**STUDENTS' PARTICIPATION
& ACHIEVEMENTS**



The Shortlisted Finalists of the Team RODIC, Mr R Dheenasagar, Mr K Dharneesh, Ms V Udhayarani, Mr S Devsibi, Mr S Sujith and Ms MA Pooja Sree, students of the Dept. of Mechanical Engineering, attended a Webinar on “Autodesk- Design and Manufacturing of Connecting Rod Through SIH” on 27 April 2020.



Ms V Priyangha of Second BE ECE C section has been certified for having completed the course on “HTML Fundamentals” conducted by SOLOLEARN on 27 April 2020.



Students from the Dept. of CSE participated in Singing and Corona Awareness Slogan Writing Events organized as part of the **AASHRAYA 2020- Day 2 Activity - Pattu Thalaivan/Thalaivi** on 28 April 2020.

SRI KRISHNA COLLEGE OF TECHNOLOGY
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AASHRAYA 2020

DAY-2
27TH APRIL 2020

variety event
PATTU THALAIVAN/ THALAIVI

Sing a song of your choice, use karaoke or vessels to create music or just your voice is fine

Corona Awareness event
SLOGAN

Prepare catchy slogans and voice it out through your family

Don't forget to use the Hashtags-
#skctlockdownchallenge
#aashraya2020

<https://forms.gle/amYRGAbxcpNywFvi7>
(Social media links of your posts should be uploaded to the above Google form)

skct_positive_lockdown | Skct Positive Lockdown | positive_skct
www.skct.edu.in | For Queries, Contact- | sathishkumar.b@skct.edu.in

#skctlockdownchallenge
#aashraya

THANITHIRU
VILITHIRU
VEETILIRU

THANI VILI VEETIL

IRU

Like Comment Share

You, Angu Krish and 17 others

Certificate for Snegha B for _S...
Phoenix Browser

SRI KRISHNA COLLEGE OF TECHNOLOGY
AUTONOMOUS INSTITUTION | ACCREDITED BY NAAC WITH 'A' GRADE

CERTIFICATE OF APPRECIATION

THIS CERTIFICATE IS PRESENTED TO
Snegha B

For excellent participation in
"AASHRAYA 2K20" events organised by
SRI KRISHNA COLLEGE OF TECHNOLOGY,
Kovaipudur, Coimbatore to facilitate emotional
wellbeing of families during Corona lockdown period.

27/04/2020
DATE

PRINCIPAL
SRI KRISHNA COLLEGE OF
TECHNOLOGY

SRI KRISHNA COLLEGE OF TECHNOLOGY
AUTONOMOUS INSTITUTION | ACCREDITED BY NAAC WITH 'A' GRADE

CERTIFICATE OF APPRECIATION

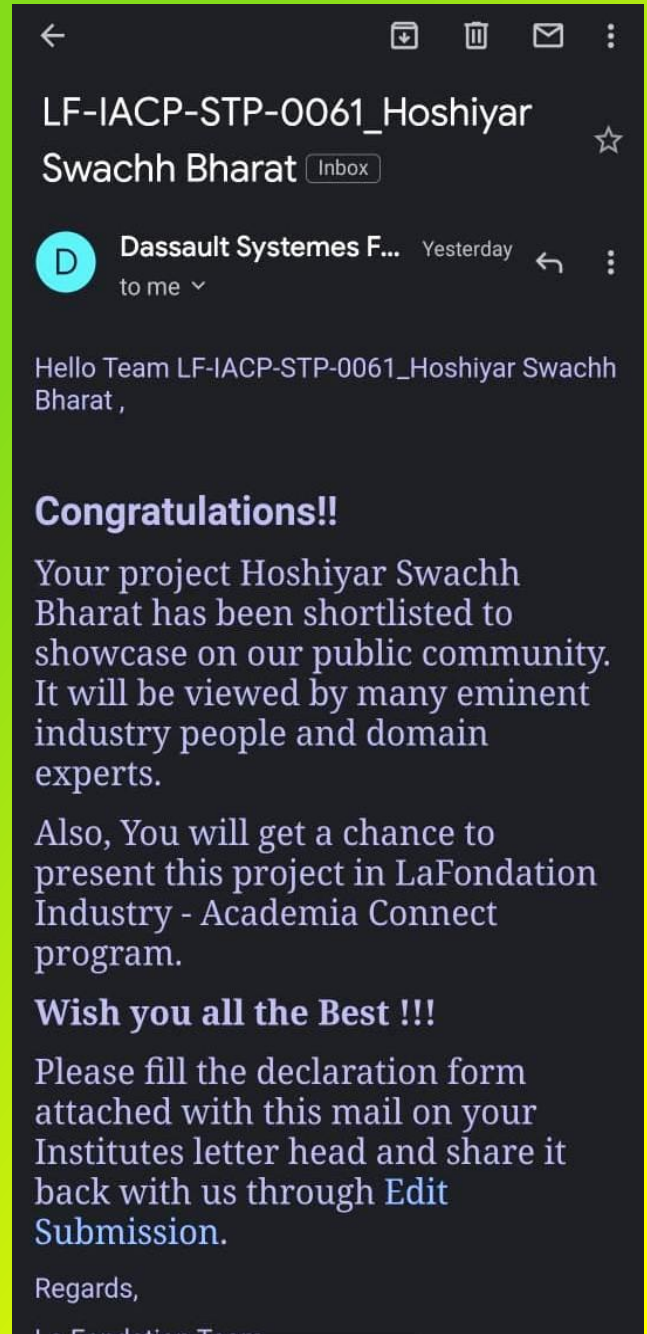
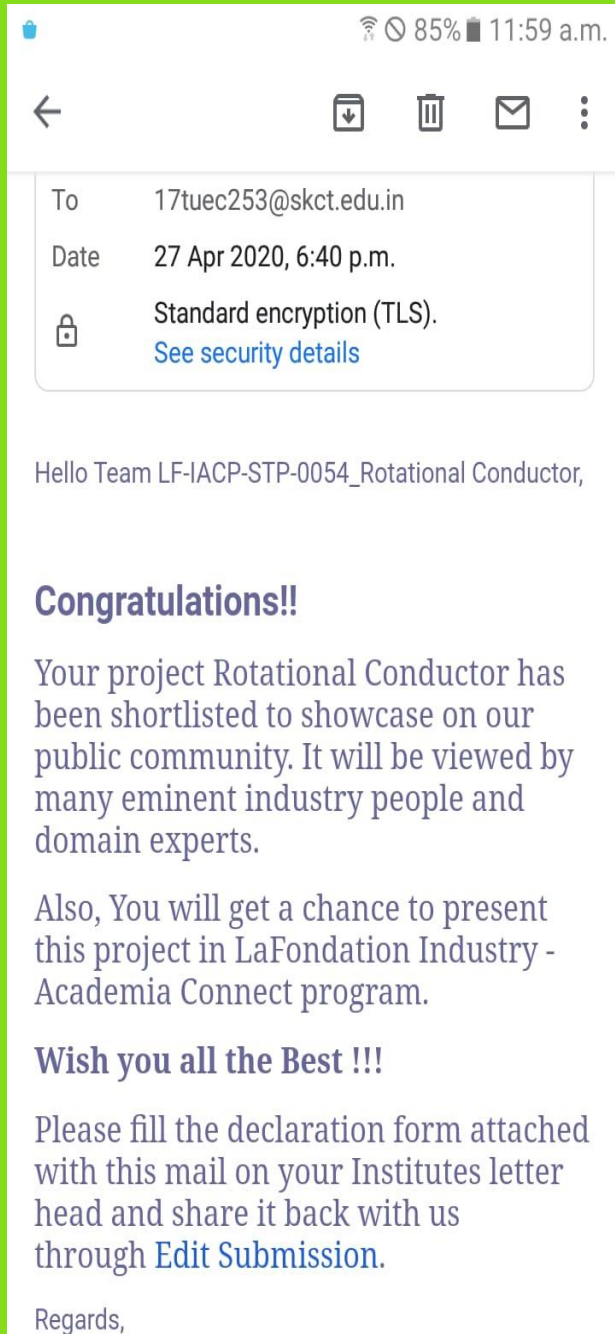
THIS CERTIFICATE IS PRESENTED TO
Arulmangainayaki

For excellent participation in
"AASHRAYA 2K20" events organised by
SRI KRISHNA COLLEGE OF TECHNOLOGY,
Kovaipudur, Coimbatore to facilitate emotional
wellbeing of families during Corona lockdown period.

27/04/2020
DATE

PRINCIPAL
SRI KRISHNA COLLEGE OF
TECHNOLOGY

Two Teams of Dept. of ECE have been shortlisted by **La Foundation Dassault Systems** for having showcased their project ideas. The project titled **“Hoshiyar Swachh Bharat”** was submitted by the Team Members, Mr P Manikandan, Mr M Kiran Seshi, Mr M K Nishanth and Ms U S Aarthi of Second Year BE ECE Class. The project titled **“Rotational Conductor”** was submitted by Mr S Vishal Rajan of Third Year BE ECE C Section. Both the Teams were mentored by Mr S Ganeshprabhu, Asst. Professor, Dept. of ECE.




Students of BE ECE actively participated in the Events organized by AASHRAYA 2020, SKCT on 27 April 2020.

The collage features three video thumbnails from Instagram. The first, by sana_sundarajan, shows a green plant with a white envelope. The second, by naumitha, shows a woman with glasses and a pink scarf. The third shows two women standing together. Below these is the profile of 'naumitha', which includes a circular profile picture of a woman hugging a man, her bio 'naumi.. Whatever life gives you even if it hurts just stay strong.. Coz.. Strong walls may shake bt never collapse...!!', and statistics: 39 posts, 394 followers, and 432 following.

At the bottom are three 'Certificate of Appreciation' awards. Each certificate has a blue and yellow header with a ribbon that says 'CERTIFICATE OF APPRECIATION'. The text on each certificate reads: 'THIS CERTIFICATE IS PRESENTED TO [Name] For excellent participation in "AASHRAYA 2K20" events organised by SRI KRISHNA COLLEGE OF TECHNOLOGY, Kovaipudur, Coimbatore to facilitate emotional wellbeing of families during Corona lockdown period.' The names are T.Koushika, Naumitha Prebha, and Suga Nandhinee S.


Ms R Jayshree of Second BE ECE B section has been certified for having completed three courses on “Introduction to C Programming”, “Computer Networking - Digital Network Security” and “Introduction to Programming with Python” organized by Alison.




Learner Achievement Verification


This is to certify that the management of Alison has decided to award Jayashree R. living in India the certificate of completion in Introduction to C Programming.

Learner Details

 **Name:** Jayashree R.
E-mail: jayashreec2103@gmail.com
Country: India




Course and Result

 **Introduction to C Programming**
The course will first teach you about program flow and how programming languages work with data, so that you can understand the basic architecture behind programming with C. The course then moves on to the most important elements of programming in C. These will include overviews and explanations of how to use crucial C functions, methods and routines. All of this will be outlined in clear and simple language and gone through in a step-by-step manner.

Score 90%
Study Time 0:12:38

Modules Studied


Module 1: Module 1: Introduction to Programming in C
Module 2: Module 2: Introduction to Programming in C Assessment




Learner Achievement Verification


This is to certify that the management of Alison has decided to award Jayashree R living in India the certificate of completion in Computer Networking - Digital Network Security - Revised.

Learner Details

 **Name:** Jayashree R.
E-mail: 18tuec107@skct.edu.in
Country: India




Course and Result

 **Computer Networking - Digital Network Security - Revised**
The course begins by defining network infrastructure and network security. It then continues by describing the features and functions of the VPN protocol and the Point-to-Point Tunneling Protocol (PPTP). It will teach you how PPTP captures Point-To-Point (PPP) frames into IP datagrams for transmission over an IP-based network. You will also learn about L2TP and how it relies on IPsec in Transport Mode for encryption services.

Score 92%
Study Time 2:07:00

Modules Studied


Module 1: Defining Network Infrastructure and Network Security
Module 2: Course assessment




Learner Achievement Verification


This is to certify that the management of Alison has decided to award Jayashree R living in India the certificate of completion in Introduction to Programming with Python.

Learner Details

 **Name:** Jayashree R.
E-mail: 18tuec107@skct.edu.in
Country: India



Course and Result

 **Introduction to Programming with Python**
Introducing you to the core components of Python, one of the most used programming languages today, this free course will guide you through the most important aspects of the language. You will first be shown how to use the free open-source PyScripter IDE. This tool will unlock the language for you and enable you to write basic programs. These will include iterative and recursive programs, so that you can have tangible pieces of work in front of you to guide the rest of your learning journey.

Score 95%
Study Time 1:44:16

Modules Studied

Module 1: Module 1: Introduction to Programming with Python
Module 2: Module 2: Programming with Python Assessment

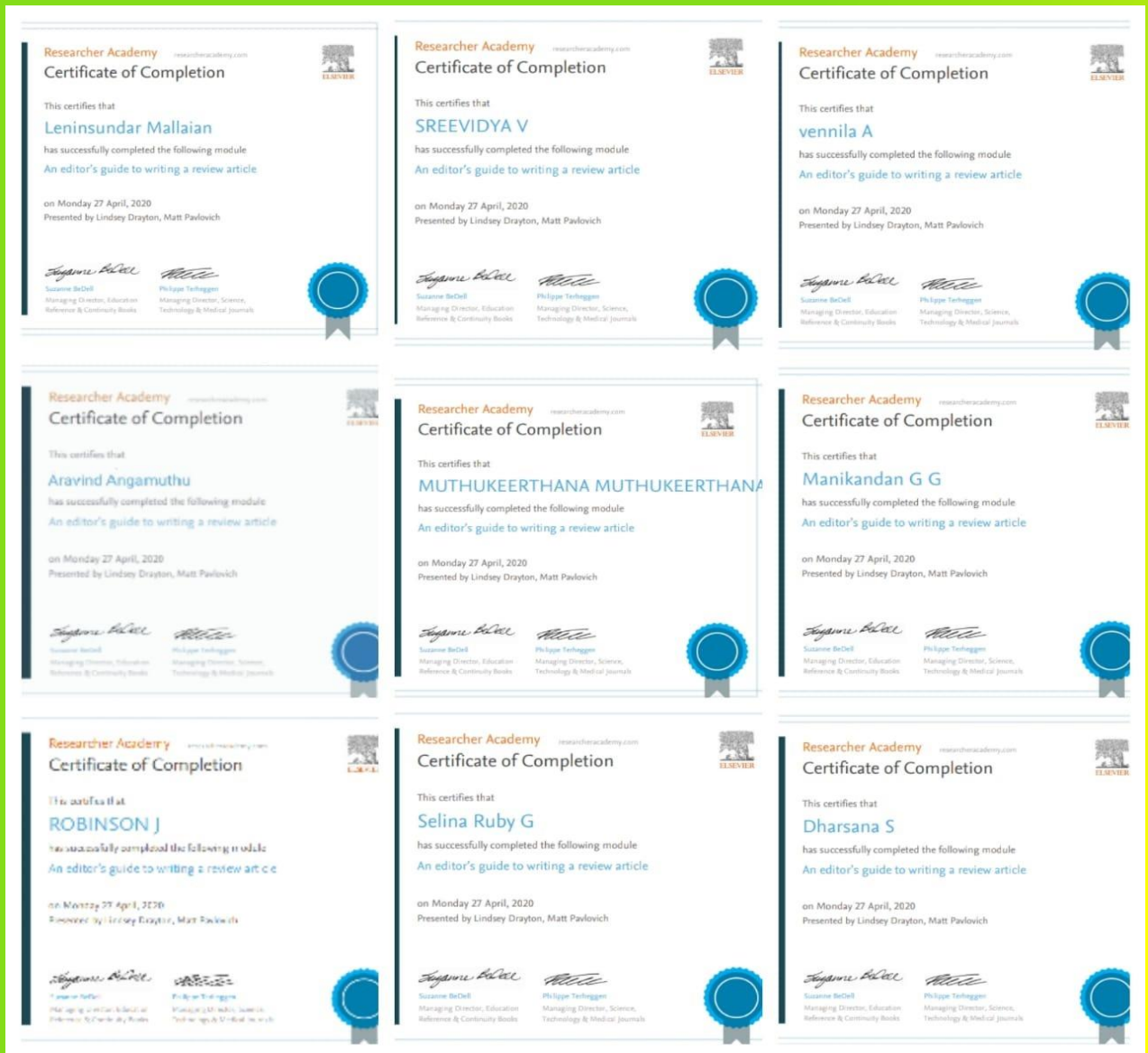
FACULTY PARTICIPATION & ACHIEVEMENTS



Dr D Jeyabharathi, Asst. Professor, Dept. of IT, completed the Certification Courses on “**Basics of Java**” and “**Mobile App Marketing**” offered by Amity Future Academy on 22 April 2020.



Dr M Lenin Sundar, Professor, Dr V Sreevidya, Asso. Professor, Ms A Vennila, Mr R Ramesh, Mr T P A Aravind, Ms S Muthukeerthana, Mr G Manikandan, Mr J Robinson, Ms S Dharsana and Ms G Selina Ruby, Asst. Professors in the Dept. of Civil Engineering completed their **Eleventh Module in the Elsevier - Researcher Academy Portal** to improve their Research and Publication Skills on 27 April 2020.

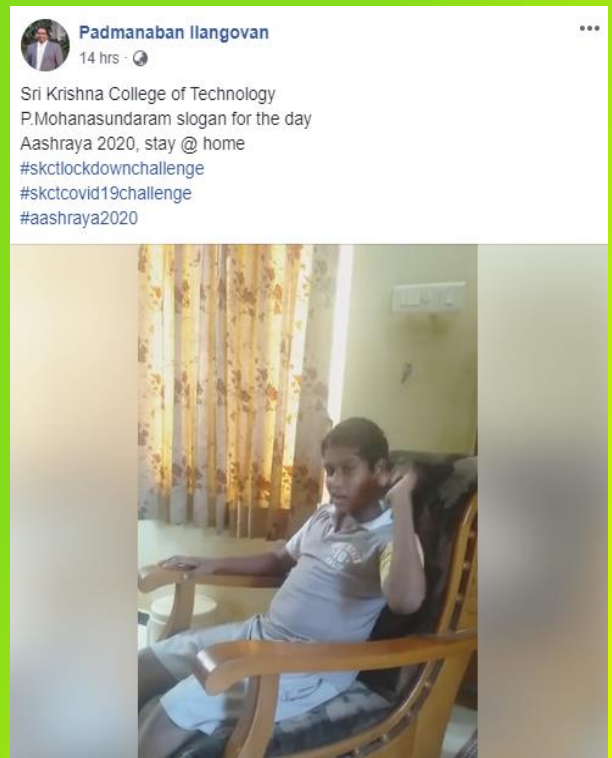


Researcher Academy



ELSEVIER

Dr V Sreevidya, Asso. Professor, Dept. of Civil Engineering participated in the **Aashraya - Lockdown Challenge Activity** of "Paatuthalaivi" on 27 April 2020.



Master P Mohankumar, S/o Dr I Padmanaban, Prof. & Head, Dept. of Civil Engineering, SKCT, participated in the **Aashraya - Lockdown Challenge Activity** of "Slogan Contest on Covid-19" on 27 April 2020.



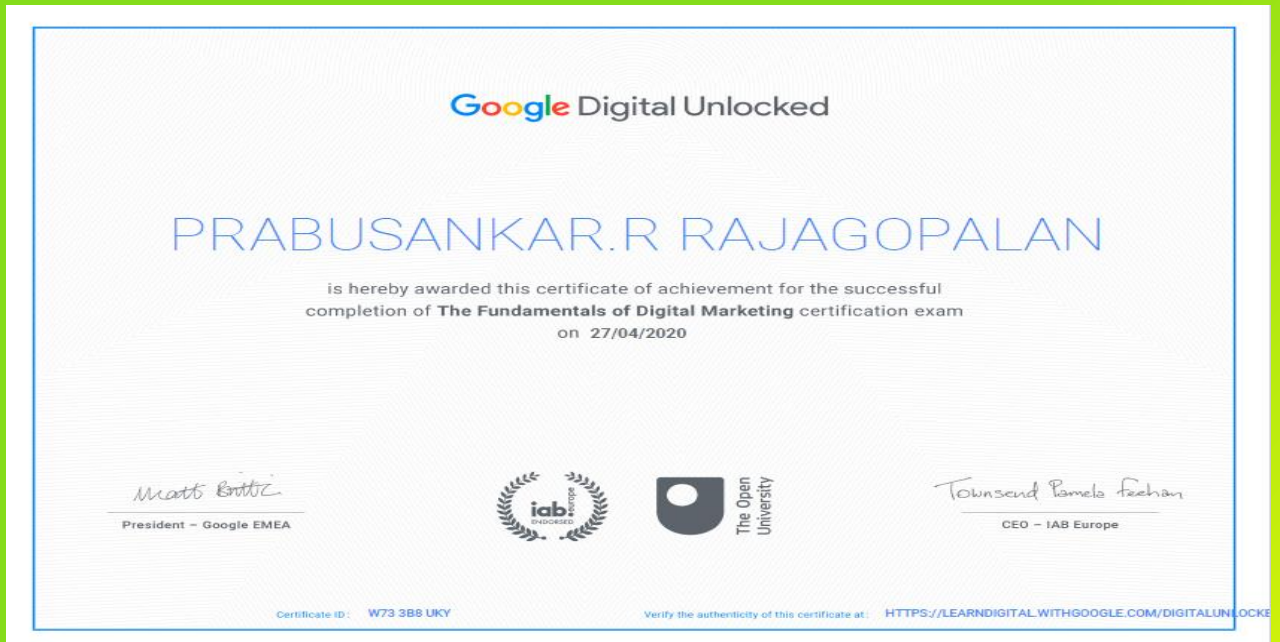
Dr M Deva Priya, Asso. Professor, Dept. of CSE completed a Certification on “Introduction to Data Analytics” offered by Simplilearn.



Dr S Rajkumar, Asst. Professor, School of Management completed an Online Certification Course on “Economics for Capital Markets” offered by Corporate Finance Institute®.



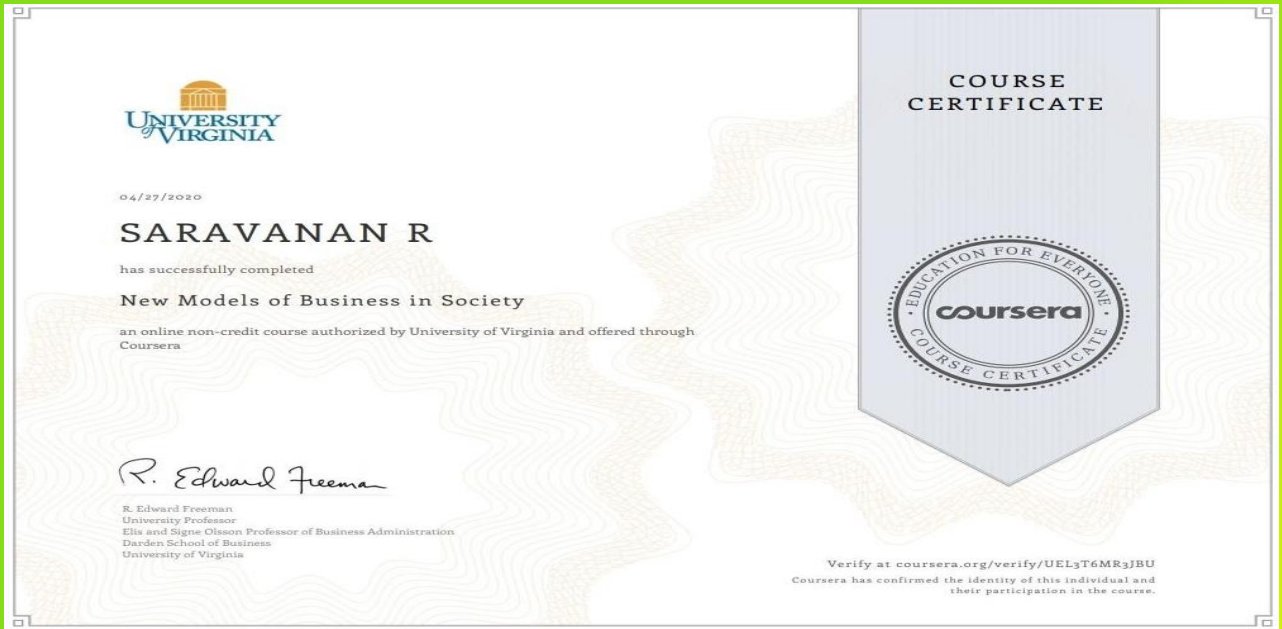
Dr R Prabusankar, Professor, School of Management completed Google Certificate Course on “**The Fundamentals of Digital Marketing**”.



Dr J Chandrakhanthan, Asst. Professor, School of Management completed a Certification on “**Influencer Content Marketing: Killer tactics for 2020**” offered by Udemy.



Mr R Saravanana, Asst. Professor, School of Management completed a MOOC on “**New Models of Business in Society**” offered by Coursera.



Mr N Karthikeyan, Asst. Professor, School of Management completed a MOOC on “**Personal and Family Financial Planning**” offered by Coursera.



Ms R Shanthamani, Asso. Professor and Dr D Santhosh Shanthakumar, Asst. Professor, Dept. of Science and Humanities participated in the "AASHRAYA 2K20- Haiku" contest on 28 April 2020 organised by Sri Krishna College of Technology, Coimbatore to facilitate Emotional Wellbeing of Families during Corona Lockdown Period.



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CERTIFICATE OF APPRECIATION

THIS CERTIFICATE IS PRESENTED TO
R. Shanthamani

For excellent participation in
"AASHRAYA 2K20-Selfie with self cut/shave and Haiku"
events organised by
SRI KRISHNA COLLEGE OF TECHNOLOGY,
Kovaipudur, Coimbatore to facilitate emotional
wellbeing of families during Corona lockdown period.

28/04/2020
DATE

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YOU ARE A WONDERFUL FACILITATOR



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CERTIFICATE OF APPRECIATION

THIS CERTIFICATE IS PRESENTED TO
Dr D Santhosh
Shanthakumar

For excellent participation in
"AASHRAYA 2K20-Selfie with self cut/shave and Haiku"
events organised by
SRI KRISHNA COLLEGE OF TECHNOLOGY,
Kovaipudur, Coimbatore to facilitate emotional
wellbeing of families during Corona lockdown period.

28/04/2020
DATE

PRINCIPAL
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Dr P Santhosh, Asst. Professor, Dept. of EEE has successfully completed the Module on **“Writing Skills”** conducted by the Researcher Academy, Elsevier BV on 25 April 2020.



Dr E Nandakumar, Asso. Professor, Dept. of EEE has successfully completed the Module on **“The Key to Successful Academic Collaborations”** conducted by the Researcher Academy, Elsevier BV on 17 April 2020.



Dr P Pandiyan, Asst. Professor, Dept. of EEE has successfully completed the Module on **“How to Prepare Manuscript”** conducted by the Researcher Academy, Elsevier BV on 24 April 2020.



Ms V Manimegalai, and Ms A Gayathri, Asst. Professors, Dept. of EEE successfully completed the Module on **“Book Writing”** conducted by the Researcher Academy, Elsevier BV during 27-28 April 2020.



Members of Faculty of the Dept. of EEE successfully completed the six-day FDP on "Research Opportunities in Power Engineering (ROPE-2020)" organized by Dept. of EEE, CMR College of Engineering & Technology, Hyderabad conducted during 22 -27 April 2020.



Mr S Nagakumararaj, Asst. Professor, Dept. of EEE successfully completed the Course on “**Mastering Your Personal and Professional Growth**” conducted by Charles Sturt University on 18 April 2020.



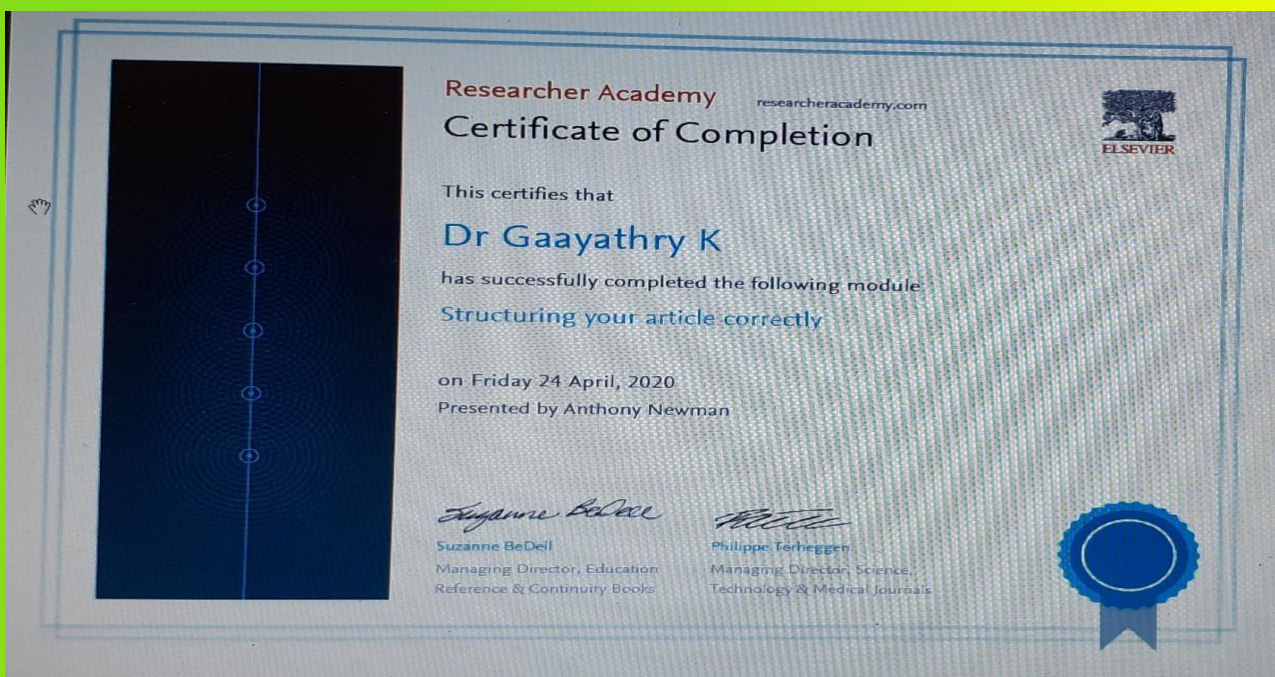
Dr P Ponmurugan, Asst. Professor, Dept. of EEE successfully completed the Module on “**Finding the Right Journal**” conducted by the Researcher Academy, Elsevier BV on 28 April 2020.



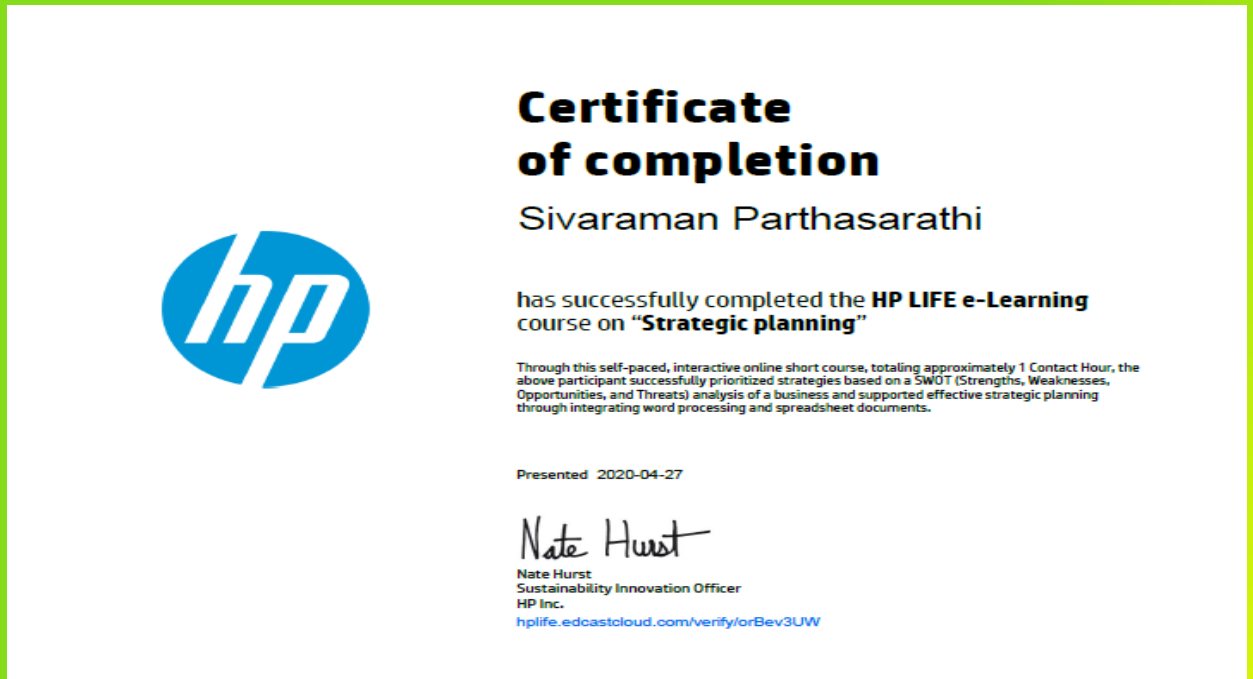
Dr K Gaayathry, Asst. Professor, Dept. of EEE completed the Online Course on “**Deep Learning Onramp in MATLAB**” conducted by Mathworks Training Services on 24 April 2020.



Dr K Gaayathry, Asst. Professor, Dept. of EEE successfully completed the Module on “**Structuring Your Article Correctly**” conducted by the Researcher Academy, Elsevier BV on 24 April 2020.



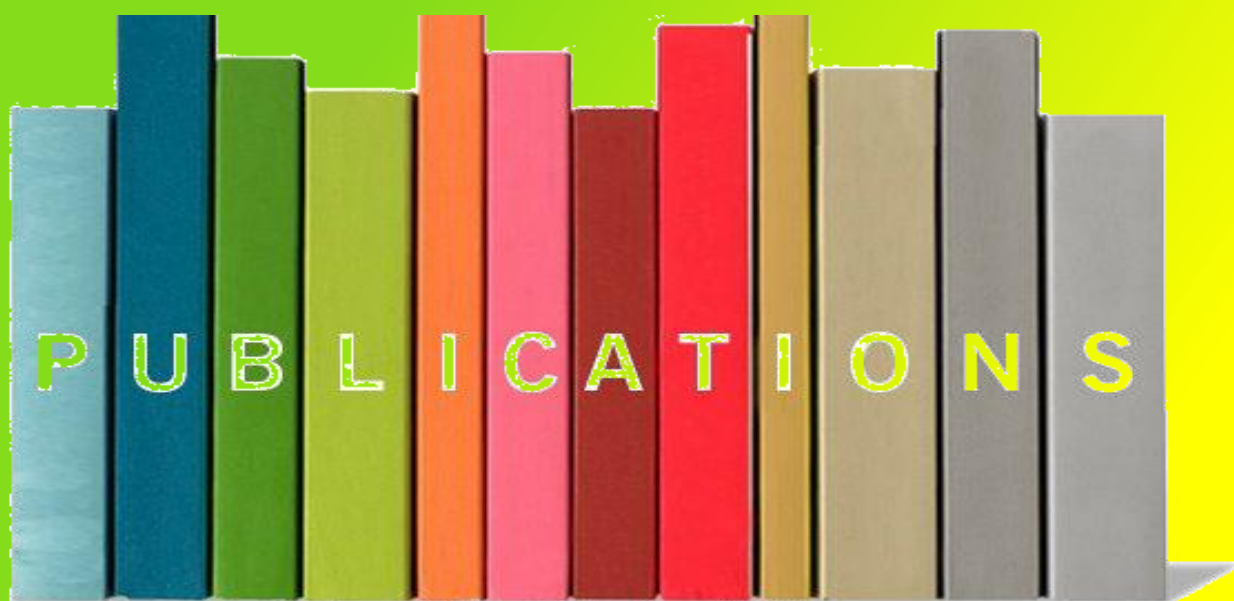
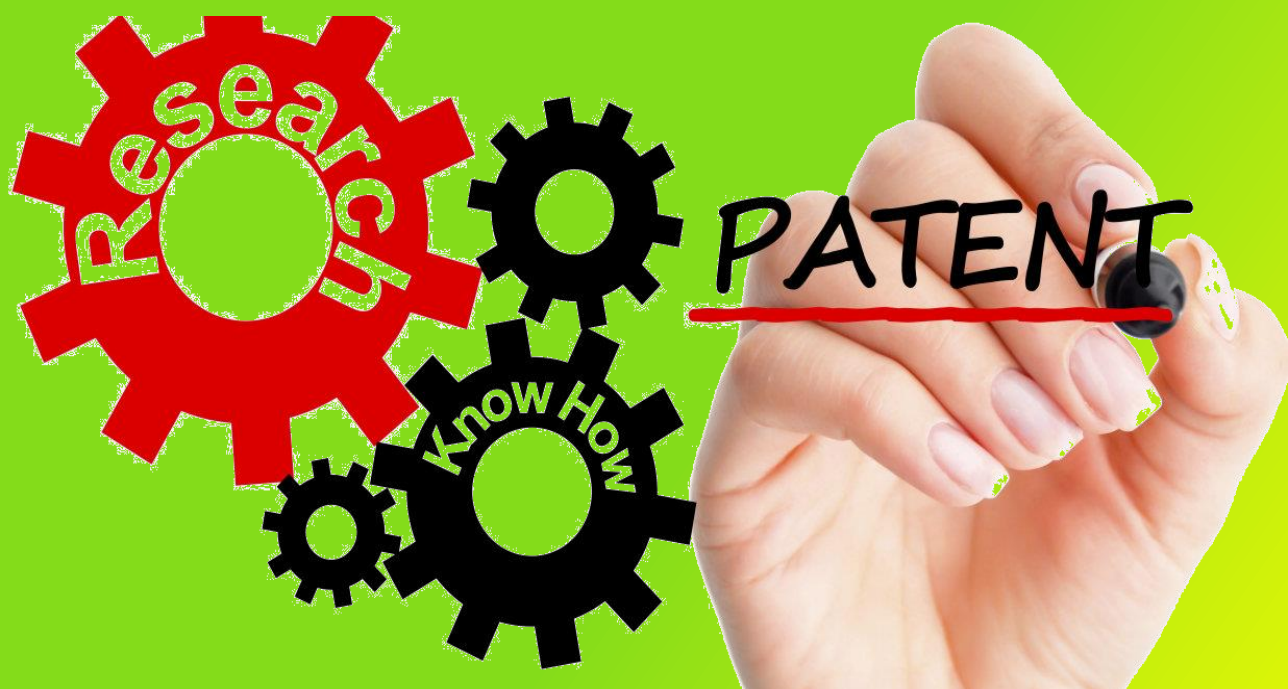
Mr P Sivaraman, Asst. Professor, Dept. of Mechanical Engineering has successfully completed the HP LIFE e-Learning Course on “**Strategic Planning**” organized by HP Life on 27 April 2020.



Mr P Sivaraman, Asst. Professor, Dept. of Mechanical Engineering has successfully completed and received a Passing Grade in “**Blockchain Essentials**” provided by Cognitive Class, an IBM Initiative on 27 April 2020.



PATENTS & PUBLICATIONS



Dr M Karthigai Pandian, Asso. Professor, Dept. of ICE, published a paper titled “A Novel 2-D Analytical Model for the Electrical Characteristics of a GAA Heterojunction Field Effect Transistor Including the Depletion Regions” in the Journal of Computational Electronics (Springer, IF: 1.637).

The screenshot shows a SpringerLink article page. At the top left is the SpringerLink logo. The article title is "A novel 2-D analytical model for the electrical characteristics of a gate-all-around heterojunction tunnel field-effect transistor including depletion regions". The authors are C. Usha, P. Vimala, T. S. Arun Samuel, and M. Karthigai Pandian. The article is published in the Journal of Computational Electronics (2020). The page includes an abstract, access options (buy article PDF for 37,40 € and buy journal subscription for 66,39 €), and a search bar at the bottom.

SpringerLink

Published: 25 April 2020

A novel 2-D analytical model for the electrical characteristics of a gate-all-around heterojunction tunnel field-effect transistor including depletion regions

C. Usha, P. Vimala, T. S. Arun Samuel & M. Karthigai Pandian

Journal of Computational Electronics (2020) | [Cite this article](#)

1 Accesses | [Metrics](#)

Abstract

A new two-dimensional analytical model is proposed for the electrical attributes of a gate-all-around heterojunction tunnel field-effect transistor, including the potential distribution, lateral and vertical electric fields, drain current, subthreshold swing, and threshold voltage. The potential distribution in the device is obtained by using the two-dimensional (2-D) Poisson equation, including the depletion regions across the source-channel, channel, and drain-channel regions. The drain current of the proposed device is derived by combining parameters such as the band-to-band generation rate, lateral electric field, and channel thickness as well as the shortest tunneling path in Kane's model. The threshold voltage is obtained from the second derivative of the drain current. The effects of the depletion regions

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MEETINGS & DISCUSSIONS



GoToMeeting

The Dept. of ICE conducted the **Zeroth Review Meeting** of Project Phase - 1 for three batches of students belonging to 2021 Batch on 28 April 2020.

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Title : Investigation of Intelligent Controller for Non-linear Spherical tank system project phase -1 zeroth review

Guide name : Mr. Ajith.B.Singh

Team members:
 S.K.Appoorvaa (17TUIC006)
 Gowtham Balasubramanian(17TUIC006)
 G.S.Monishaa (17TUIC006)
 J.Mownika (17TUIC006)

Participants (10): Chinnadurai (Me), Rohindh U (Host), Monishaa G.S., 17TUIC006 APPOORVAAS..., Gowtham Balasubramanian, Mr. J. Dhanaselvam Asst Pr..., Ajith Singh, KARTHIGAI PANDIAN, Kaviyageetha., Mownika J.

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Department of Instrumentation and Control Engineering

Battery Management System design for LiB. to estimate various parameters

Project Phase -1zeroth review

Project Guide : Mr. J Dhanaselvam

Team members:
 Amrutha. P- 17tuic005
 Dharshini S- 17tuic010
 Madhan Kumar- 17tuic022
 Rohith Vignesh- 18tuic604

Participants (10): Chinnadurai (Me), Rohindh U (Host), Dharshini Selvukumar, Amrutha, Mr. J. Dhanaselvam Asst Prof ICE, F. S. Narendiran Asst Prof ICE, KARTHIGAI PANDIAN, Rohith Vignesh., Kaviyageetha., Madhankumar.

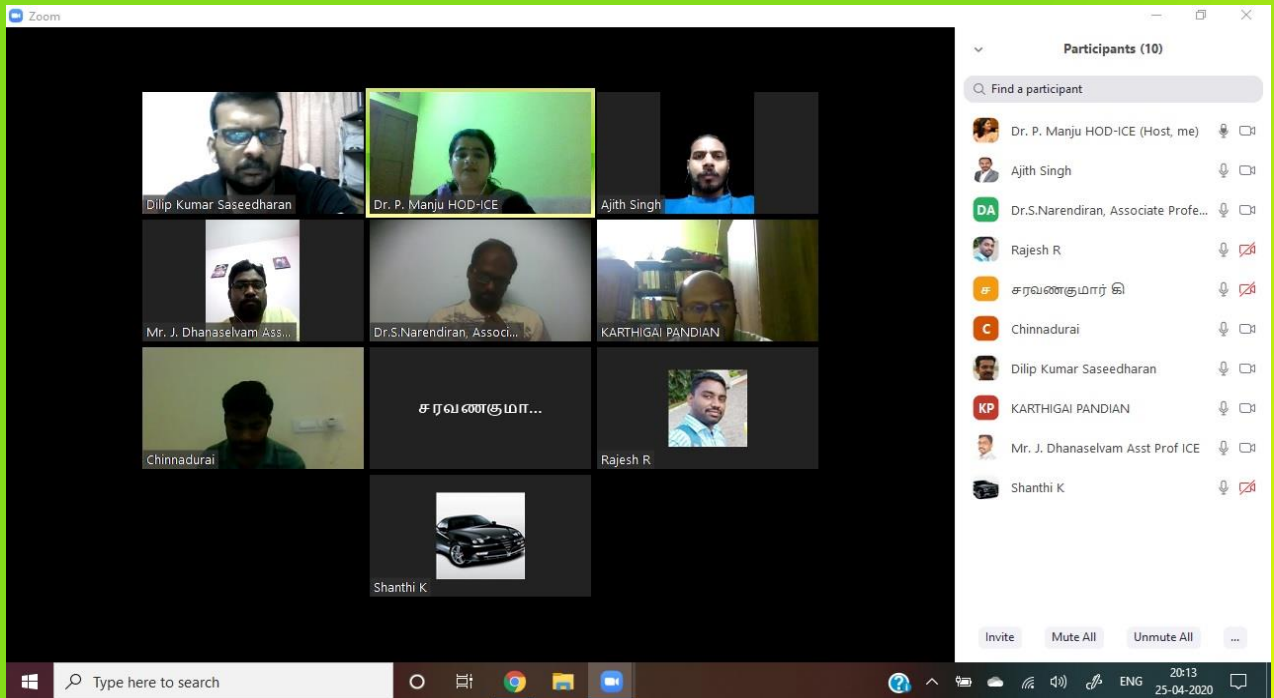
Literature review-1

Archip, Alexandru, Nicolae Botezatu, Elena Șerban, Paul-Corneliu Herghelegiu, and Andrei Zală. 2016. "An IoT based system for remote patient monitoring".
 Journal name and published year = 2015 IEEE International conference on service computing.

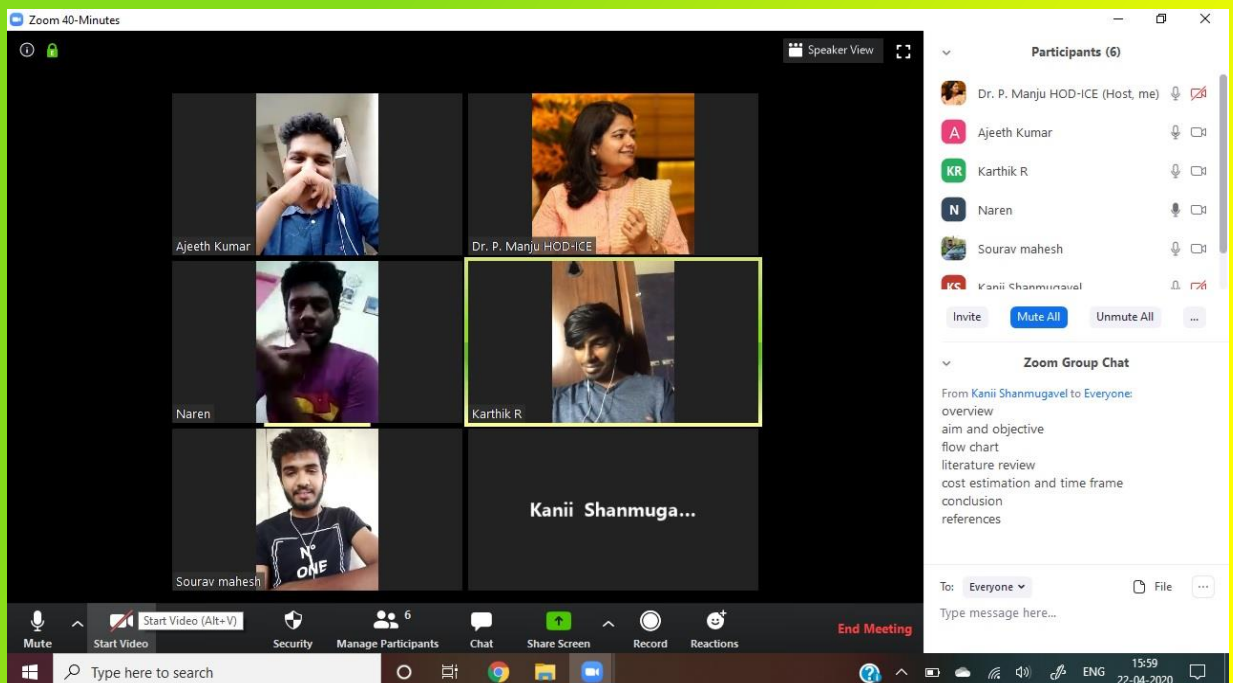
- In this paper they reviewed the current state and projected the future directions for incorporation of patients health monitoring technologies in to the clinical practise of medicine .
- The stored database is analysed by the healthcare physician for assimilate the visualization for improving the health of patients at low cost.
- The methodology used here is storage ,analytics and visualization.

Participants (11): Chinnadurai (Me), Rohindh U (Host), Agash Senthilkumar, 17TUIC030 NANDHINI.R.M, Dilip Kumar, Kaviyageetha., 17TUIC029 NAGALAKSHMI.R, KARTHIGAI PANDIAN, Mr. J. Dhanaselvam Asst Prof ICE, Sangavi, Mr. S. Narendiran Asst Prof ICE.

Dr P Manju, Prof. & Head, Dept. of ICE convened the **Faculty Meeting** and discussed various curricular, co-curricular & extracurricular activities planned for the upcoming week on 27 April 2020.



Dr P Manju, Prof. & Head, Dept. of ICE convened a **Meeting** with the students under guidance for Project Phase 1 on 27 April 2020.



The **R&D Meeting** of the Dept. of CSE was conducted on 28 April 2020 between 9.00 am and 10.30 am and the attainment of research targets were reviewed for the Academic Year 2019-2020.

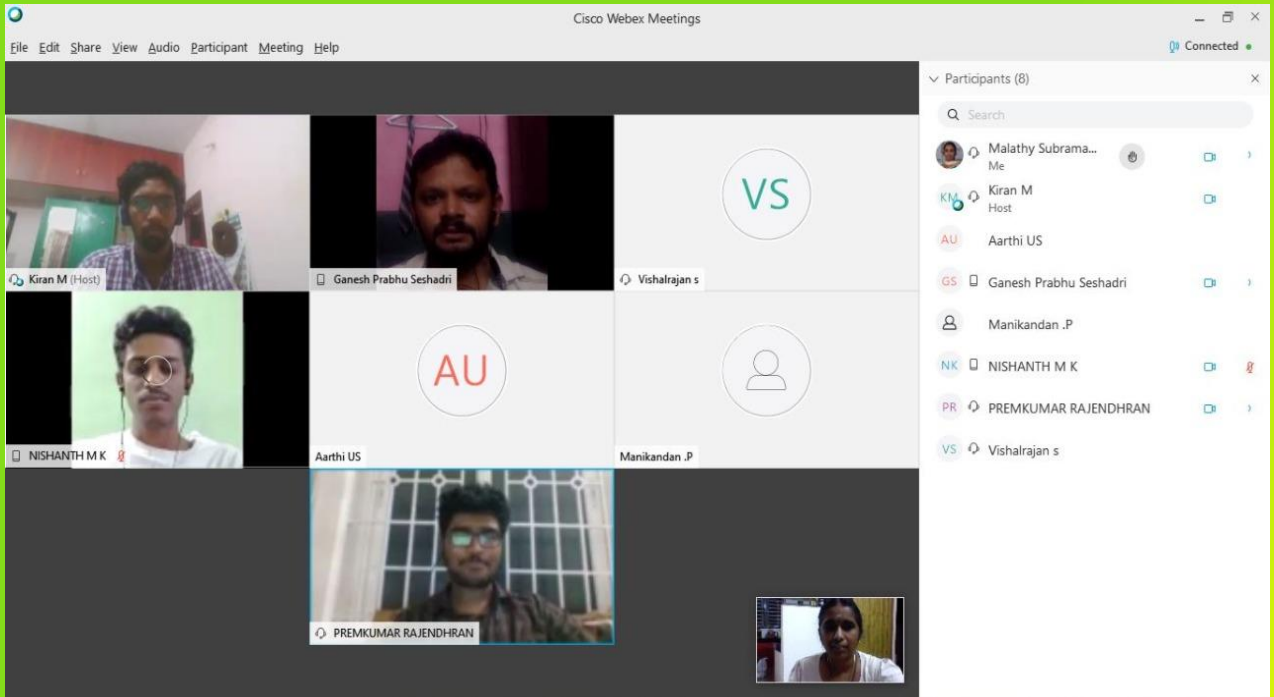
**Department of Computer Science and Engineering
Research and Development Cell
Research Targets (2019 – 2020) Assessment**

S. No.	Name of the Faculty	Experience	Target										Attainment (as on date)						
			Funding					Patent	Consultancy	Books /Book Chapter	Scopus Conference	Journals		Funding		Patent	Consultancy		
			WoS	Scopus	Major	Minor	Seminar					SCI/ WoS	Scopus	Major	Minor			Seminar	
4	Ms. P.AnanthaPrabha	16Y	1	2	1	2	-	1	-	-	1	-	-	1	-	-	-	-	-
5	Dr. S.Siamala Devi	10Y	2	1	2	1	-	2	-	-	1	-	2	1	0	1	1	-	-
6	Ms. P.Kalpna	6	-	2	2	-	-	1	-	-	-	-	3	1	-	-	-	-	-
7	Ms. N.Kiruthiga		-	2	-	2	-	1	-	-	1	-	1	-	-	-	-	-	-
8	Ms. F.Femila	7.5	-	2	-	2	-	1	-	-	-	-	1	-	-	-	-	-	-
9	Ms. T.Suganya	11.8	1	2	1	2	-	1	-	-	-	-	1	-	-	1	-	-	-
10	Ms. A.Sunitha Nandhini	11.8	1	2	1	2	-	1	-	-	1	1	1	1	-	-	-	-	-
11	Ms. G. Nivedhitha	2Y 10 M	-	2	-	2	-	1	-	-	-	-	1	-	1	-	-	-	-
12	Ms. G.Poorani	2Y 10M	-	2	-	2	-	1	-	-	-	-	1	-	1	1	-	-	-

**Department of Computer Science and Engineering
Research and Development Cell
2020) Assessment**

S. No.	Name of the Faculty	Attainment (as on date)										In Progress				
		Scopus Conference	Journals		Funding			Patent	Consultancy	Books /Book Chapter	Scopus Conference	Journals		Funding		
			SCI/ WoS	Scopus	Major	Minor	Seminar					SCI/ WoS	Scopus	Major	Minor	
1	Dr. A.Balamurugan	1	0	3	1	3	11	1	0	2	2	2	1	1	-	-
2	Dr. P.TamijeSelvy	1	1	8	2	3	-	1	-	1	-	1	3	1	-	-
3	Dr. M. Deva Priya	1	2	4	2	-	1	-	-	5	1	1	1	-	-	conf-3
4	Ms. P.AnanthaPrabha	1	-	-	1	-	-	-	-	1	-	1	-	-	-	-
5	Dr. S.Siamala Devi	1	-	2	1	0	2	1	-	-	1	1	1	-	-	1
6	Ms. P.Kalpna	-	-	3	1	-	-	-	-	-	-	2	-	-	-	-
7	Ms. N.Kiruthiga	1	-	1	-	-	-	-	-	1	-	-	-	-	-	-
8	Ms. F.Femila	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-
9	Ms. T.Suganya	-	-	1	-	-	1	-	-	1	-	1	-	-	-	-

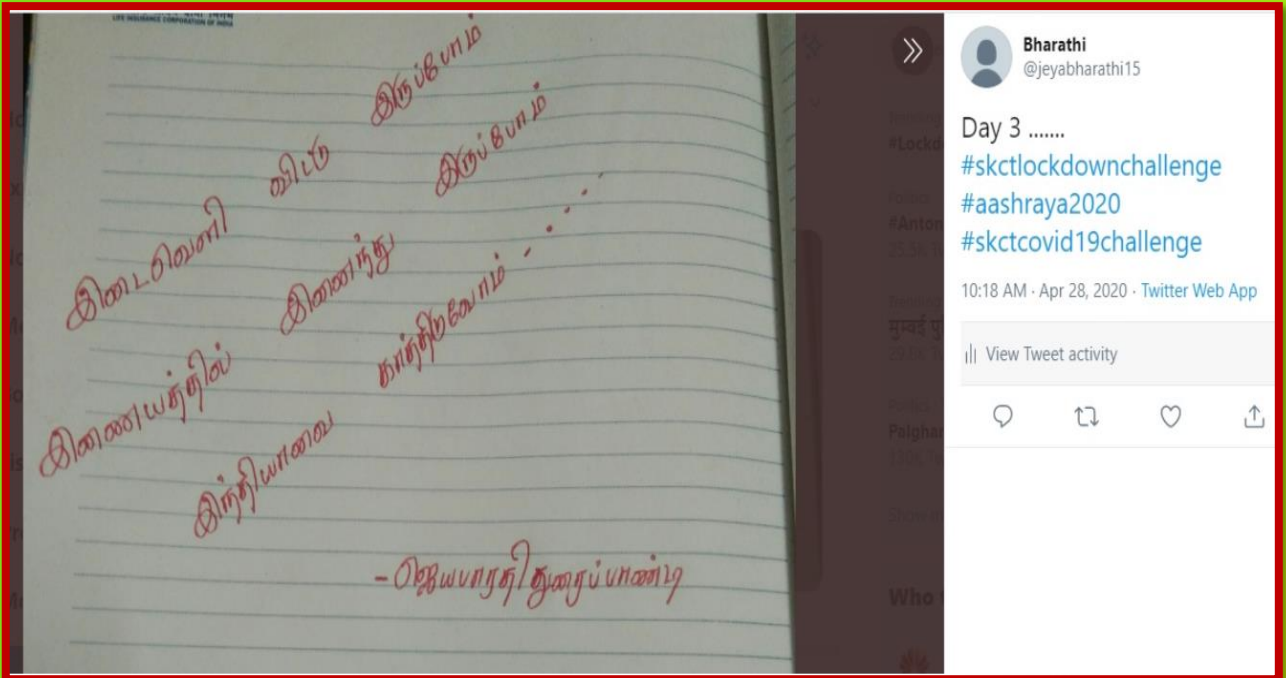
Members of Faculty, Dept. of ECE convened a **Meeting with the Finalists of SIH** regarding the Preparatory Status. The team was mentored by Mr S Ganeshprabhu, Asst. Professor, Dept. of ECE.



EVENTS ORGANIZED



Students and Members of Faculty, Dept. of IT actively participated in the “Pattu Thalaivan/Thalaivi” and “Haiku” Activity of AASHRAYA 2020 of SKCT on 27 April 2020.



Sri Krishna College of Technology
Aashraya 2020
DAY 2 CHALLENGE
Pattu Thalaivan/ Thalaivi & Slogam
#skctlockdownchallenge
#skctcovid19challenge
#aashraya2020ay



Center for Research & Development in association with IIC conducted an “**Online Intellectual Property (IP) Quiz**” to commemorate the World Intellectual Property Day on 26 April 2020. Knowledge on Types of IP, Basics of Product and Process Patents, Patentability and Patent Search and Analytics were quizzed. 64 faculty members took part in this online quiz and 6 members of faculty have scored 100%. 7 of them scored above 90%.

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WORLD INTELLECTUAL PROPERTY (IP) DAY

ONLINE IP QUIZ 26th April 2020, 5:00 PM

Login <https://socrative.com/#login>

(use **student login** and virtual room **IPDAY2020**)

Organized by the Center for Research & Development (CRD) in collaboration with IIC, Sri Krishna College of Technology, Coimbatore. For feedback, please write to crd.office@skct.edu.in

ONLINE COACHING CLASSES



First Year B.E. Mechanical B Section students attended the Remedial Class through Online for **Integral Calculus and Complex Variable** conducted by Mr D Maheskumar, Asst. Professor, Dept. of Science and Humanities on 28 April 2020.

3. Evaluate $\int_0^1 x^m (1-x^n)^p dx$ in terms of Gamma f

hence find $\int_0^1 \frac{dx}{\sqrt{1-x^n}}$.

Solution:

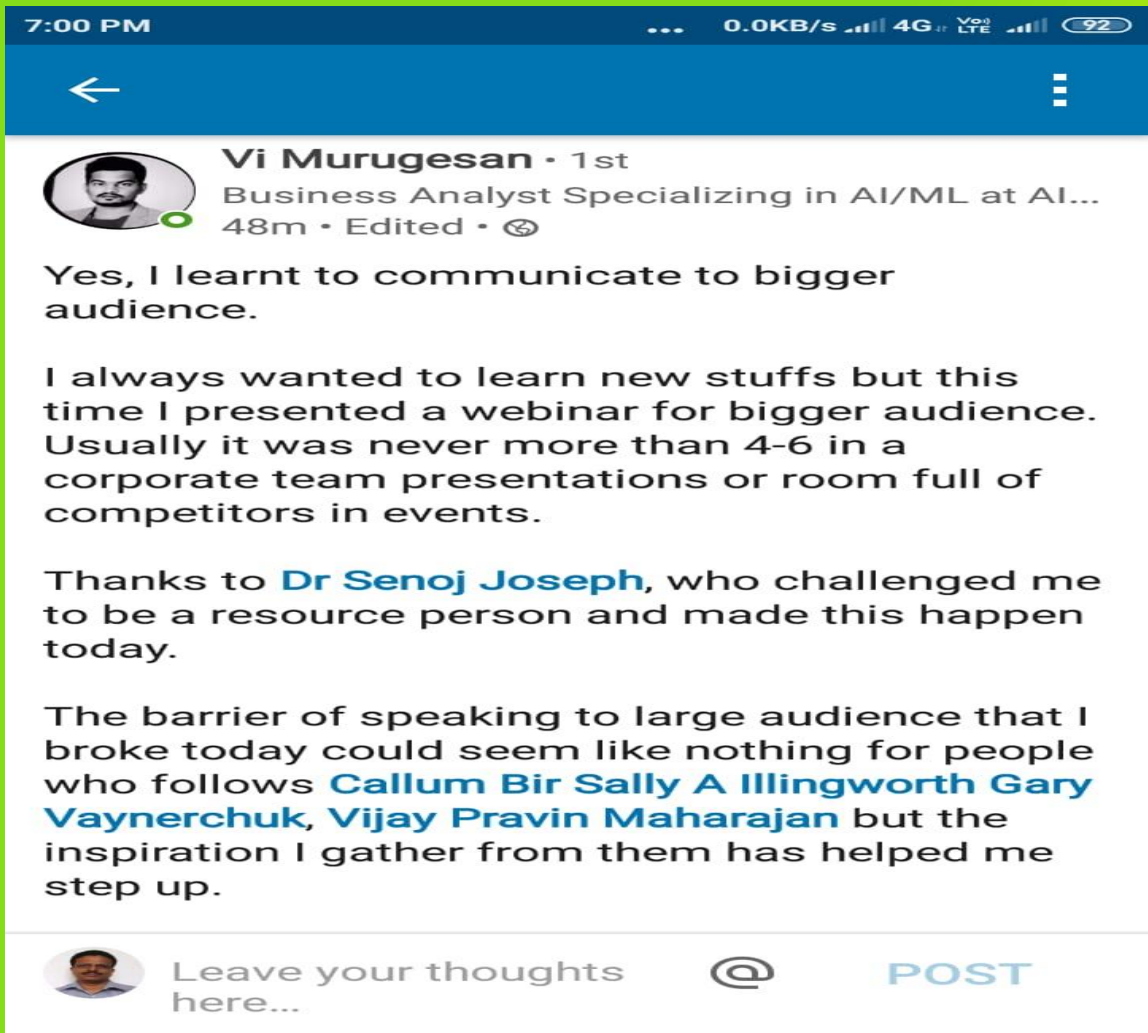
ID: 960-6842-2131 Stop Share



ALUMNNI CORNER



Mr M Vigneshwar, Business Analyst, AI Australia, Australia and an Alumnus of ECE delivered the Webinar on “**Predictive Analytics**” organized by the Dept. of ECE on 27 April 2020. He shared his gratitude by Posting a Message in the Social Media for being invited as a Resource Person and thanked Dr S Senoj Joseph, Asso. Professor, Dept. of ECE for coordinating the event.



THANK YOU!