



SRI KRISHNA COLLEGE OF TECHNOLOGY



DIGEST

2023

VOL 23 - ISSUE 02
FEBRUARY



SKCT Digest

CONTENT

ACHIEVEMENTS

ADS & CSE

CIVIL

ECE

EEE

ICE

IT

MECH

MBA

S&H

STUDENTS
CORNER

STUDENTS' ACHIEVEMENTS

STUDENTS FROM MECHANICAL & EEE WON

1. BEST SAFETY CAR AWARD &
 2. BEST TEAM SPIRIT AWARD
- IN GO-KART EVENT



STUDENT ACHIEVEMENT



Mr. Mohammed Suhail

I year ECE

Participated In Sunday Goals Football
Tournament

Organized By

Track Force Sports

&

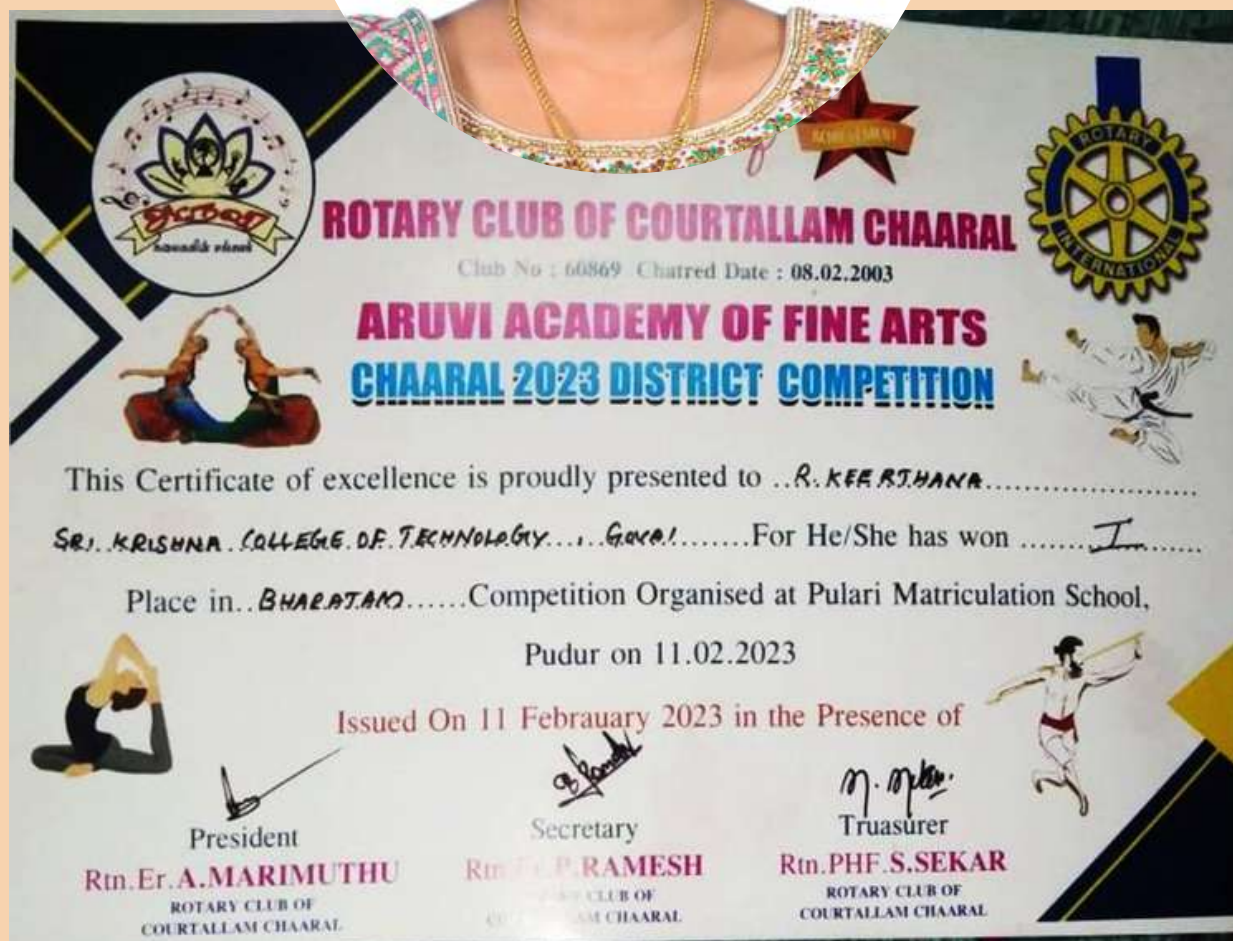
Won a Trophy & Cash Prize of 5000.

STUDENT ACHIEVEMENT



Mr. Gowshikraja B
I year ECE
Participated In Two-day Programming
Workshop
Conducted by IIT Palakkad
&
Secured The Runner up Position In the
Event

STUDENT ACHIEVEMENT



Ms R Keerthana
3rd year EEE
Won First Place in Bharatam
Competition Organized at
Pulari Matriculation School, Pudur,

STUDENTS' ACHIEVEMENT



Mr P. G. Krishna, Mr. Prasanna V., Mr Faiz Alam F.,
2nd Year CSE

Won 1st Prize in National level HACKATHON &
A Cash Prize of ₹3000 INR

Organized by
Karpagam College of Engineering,
Coimbatore.

STUDENTS' ACHIEVEMENT



Mr Y Krishnamohan, Ms S Mythili,
Ms K Tamil Amuthu & Ms T Yazhin
2nd year CSE,
Won 1st PRIZE for Paper Presentation.
@ Sri Ramakrishna Institute of Technology,
Coimbatore.

STUDENTS' ACHIEVEMENT



Sundara Moorthy and Surya S,
3rd year EEE,
won “First Prize in Intercollegiate
event Quiz of ROBO RG 23”

STUDENTS' ACHIEVEMENT



Mr Sanjeev kumar M
Mr Santhosh K
Mr Sibiram K M
Mr Raja Venkatesh V
III Year students have won the Third place
@ Smart Agrothon 2023

STUDENTS' ACHIEVEMENT



Mr M Sundara Moorthy and Mr Surya S, Student of 3rd EEE, Won “First Prize in Intercollegiate event Quiz of ROBORG 23”



STUDENT ACHIEVEMENT



Mr V Subbiah ,
3rd year EEE, won the
“Third Prize in Intercollegiate event Quiz of
ROBORG 23”

STUDENT ACHIEVEMENT



Mr Dyanesh S
2nd Year EEE
Completed

“Ambassador Role In IIT-Bombay”
He Was Rewarded With A Free Pass To
The Entrepreneurship Summit
Organized By IIT - Bombay,
Which Is One of the Biggest Annual
Event in Asia

STUDENTS' ACHIEVEMENT



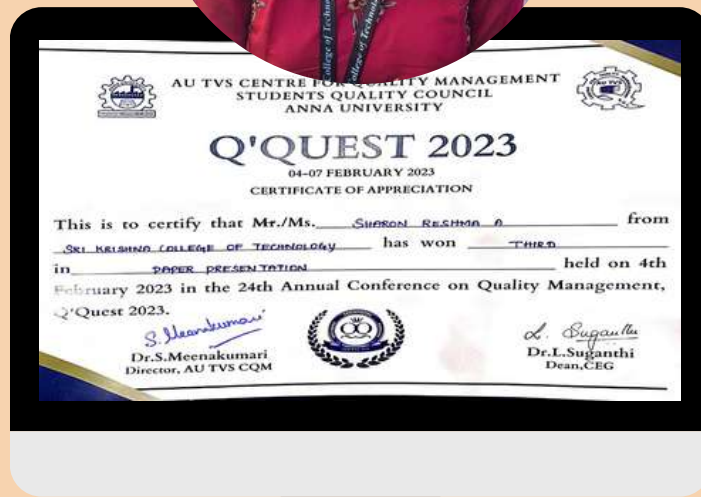
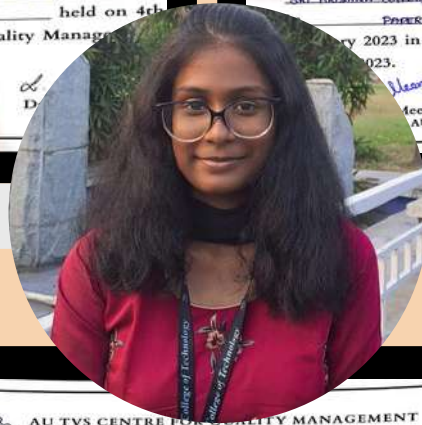
First place
Mr Vimal Shankar A R
Mr Shri Vignesh



Third place
Mr Vishal N
Mr Sukhesh Kumar

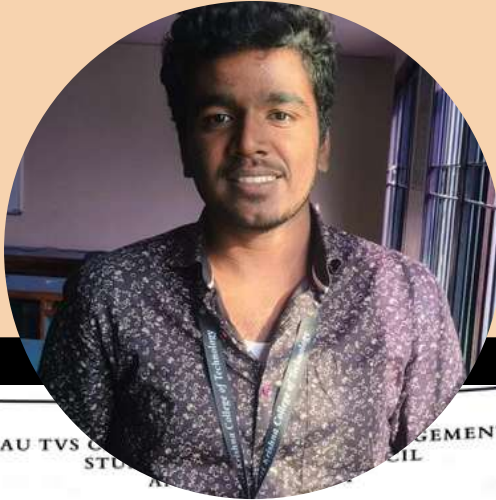
Two teams of I Year IT
Won 1st and 3rd prize
in Paper Presentation
on Quality Management Q'Quest 2023,
@ Anna University, Chennai.

STUDENTS' ACHIEVEMENT

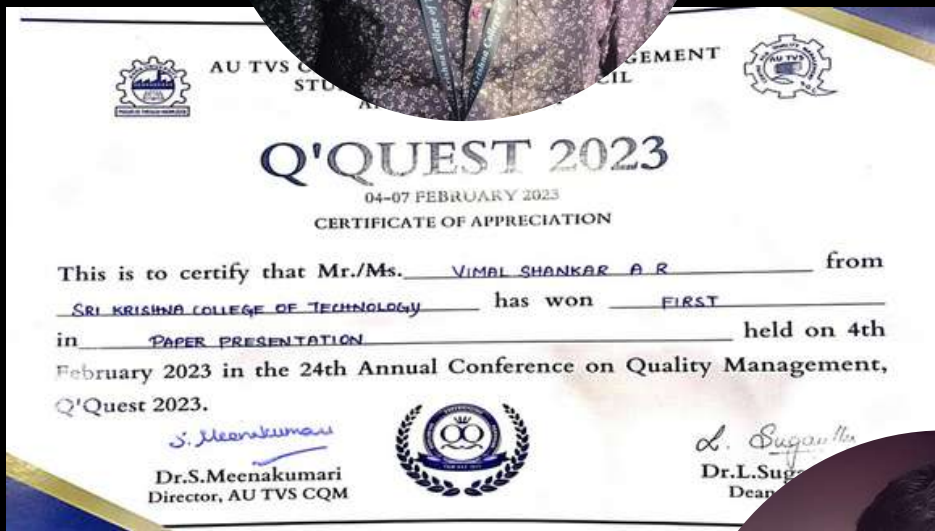


Mr Sukhesh Kumar V, Mr Vishal N &
Ms Sharon Reshma A
1st Year IT
Won 3rd Prize in Paper Presentation
@ AU TVS Centre
Anna University

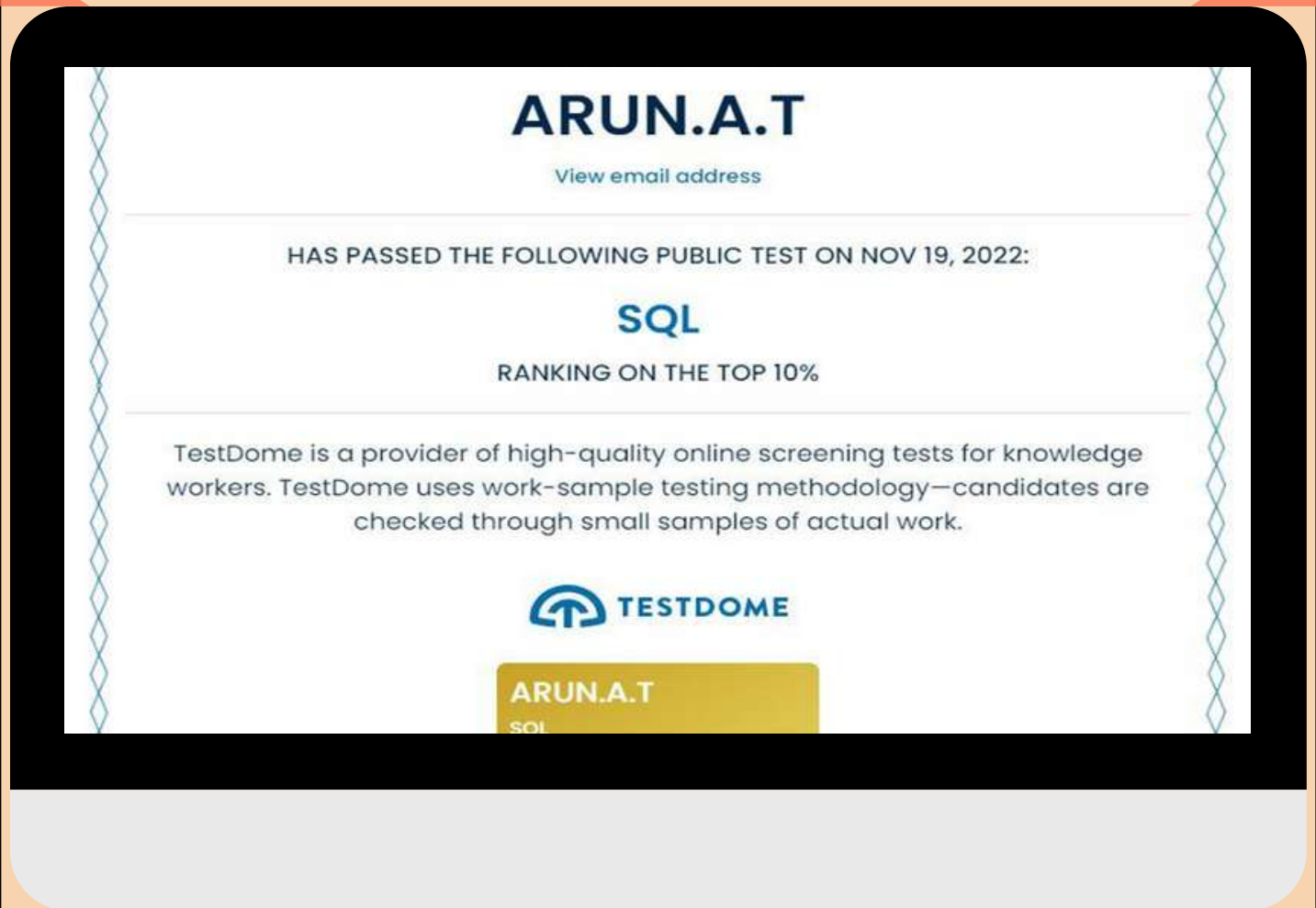
STUDENTS' ACHIEVEMENT



Mr Vimal
Shankar
and
Mr Shri
Vignesh AR 1st
Year IT
Won 1st prize in
Paper
Presentation
@ AU TVS
Centre, Anna
University



STUDENT ACHIEVEMENT



Mr. Arun. A.T.
3rd year ECE
Was Certified as the Top 10 % Ranking
in an online screening test
conducted
by
TestDome.

FACULTY ACHIEVEMENT



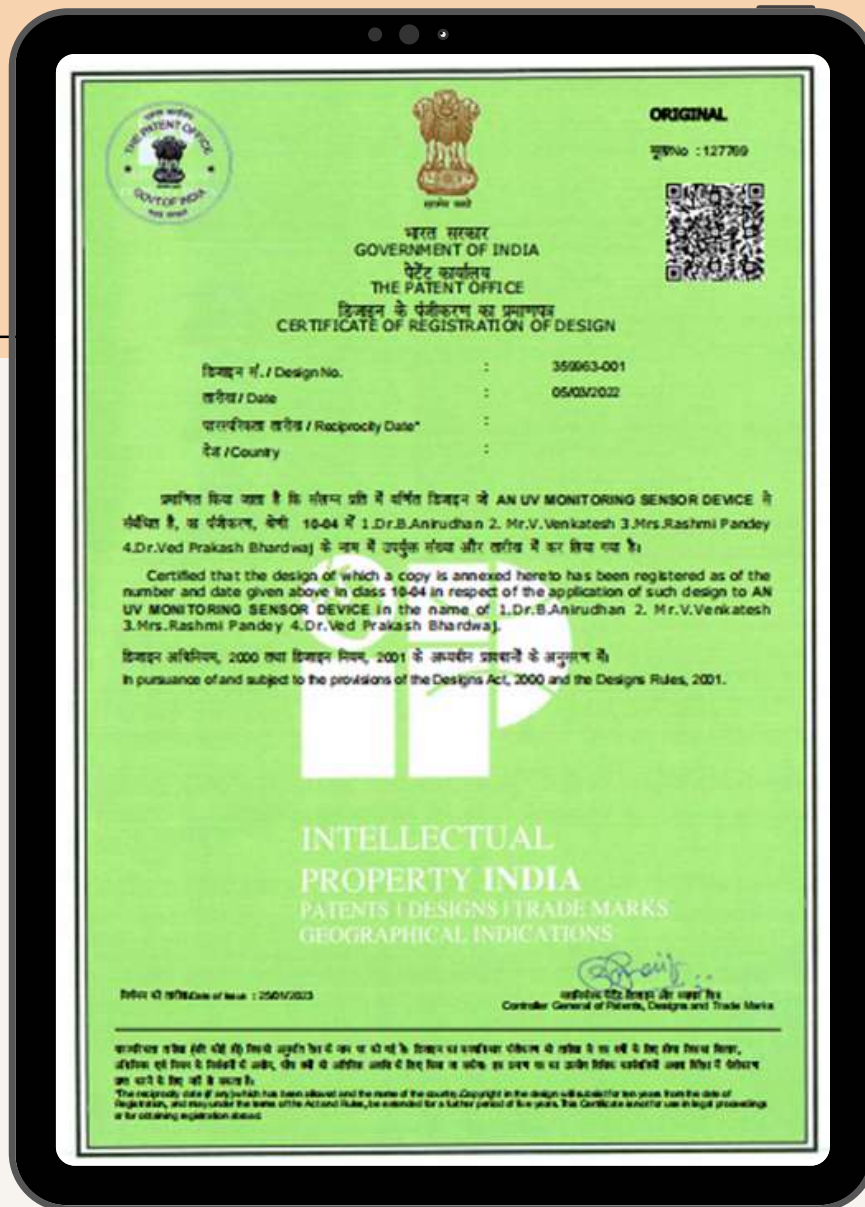
Ms . R. Asmitha shree ,
Asst. Professor, CSE,
Received an Award
from
ZED Digital Corporation
for
Promoting Industry-University
Innovation and Collaboration

FACULTY ACHIEVEMENT



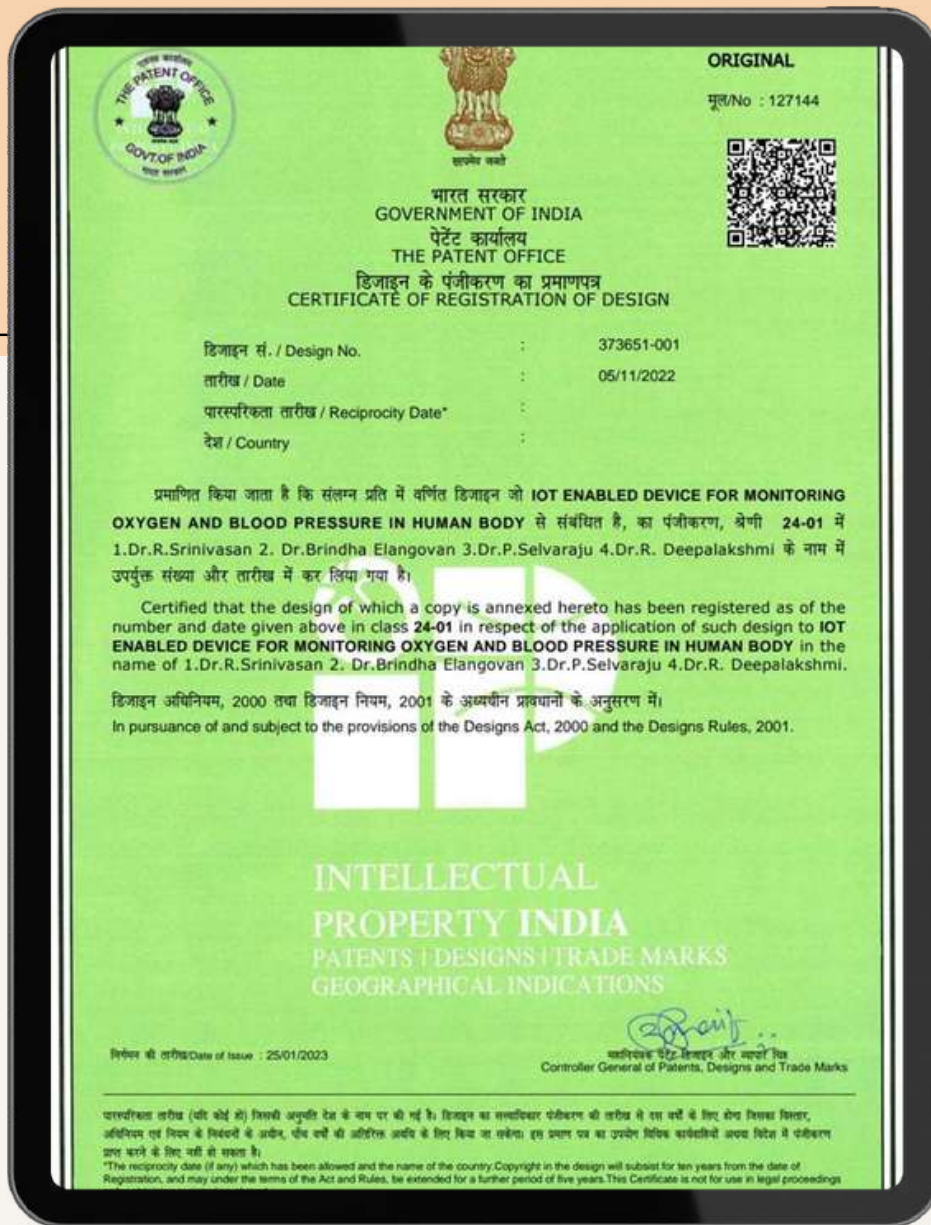
Mr.S.Arivalazhan
Assistant Professor
Department of Mechanical Engineering,
SKCT,
Successfully completed Ph.D.
Public Viva - Voce on 18/02/2023
@ NIT Puducherry.

FACULTY ACHIEVEMENT



Mr. V. Venkatesh
Assistant Professor, CSE
Received a Grant from The Patent
Office, India
For a Design Pattern on
"An UV Monitoring Sensor Device"
Valid till 05.03.2032.

FACULTY ACHIEVEMENT



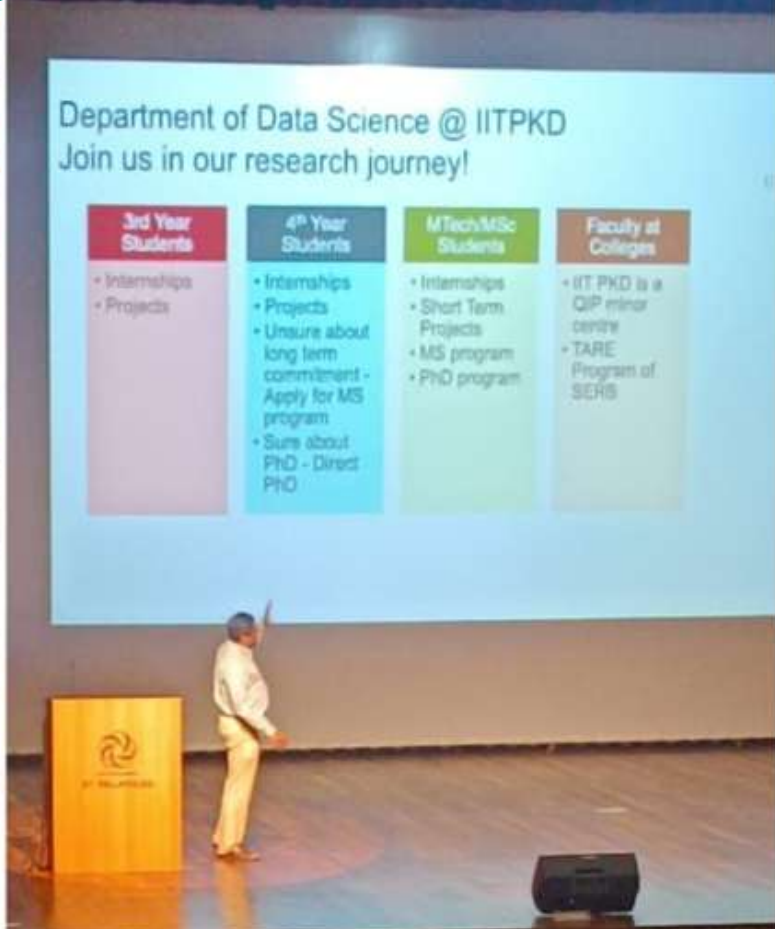
Dr. R. Srinivasan
Professor, Mech
Received a Grant from The Patent
Office, India
For a Design Pattern on
"IOT Enabled Device For Monitoring
Oxygen and Blood Pressure in Human
Body"

MEMORANDUM OF UNDERSTANDING

MEMORANDUM OF UNDERSTANDING WITH ZED DIGITAL COMPANY



STUDENT PARTICIPATION



Workshop on Research Career in
Computer Science (Algorithms,
Computing Systems, Machine Learning)
at IIT Palakad

EVENTS ORGANIZED

“Inspire, Instigate, Implement” - An interview experience with our inspiring Alumni



EVENTS ORGANIZED

Hands-on Session on “Data Virtualization and Exploration using R programming”





CIVIL ENGINEERING

COURTESY

Mr RAMESH R

STUDENT PARTICIPATION



CERTIFICATE
PROUDLY PRESENTED TO

S. RAJESH SRIHAR
Green Homes - A Way of Life

Jan 19, 2023 UltraTech Cement Ltd



127th Webinar Series

TOPIC OF PRESENTATION

Green Homes - A Way of Life



Mr. K. Venkataraman

Regional Head - Technical & Customer
Solutions, UltraTech Cement Limited
Vijayawada, Andhra Pradesh

Date: 21st January 2023 Time : 11 AM

CERTIFICATE
PROUDLY PRESENTED TO

Samudra V
Green Homes - A Way of Life

Jan 19, 2023 UltraTech Cement Ltd



CERTIFICATE
PROUDLY PRESENTED TO

ANURAG
Green Homes - A Way of Life

Jan 19, 2023 UltraTech Cement Ltd



CERTIFICATE
PROUDLY PRESENTED TO

Adithyan M
Green Homes - A Way of Life

Jan 19, 2023 UltraTech Cement Ltd



CERTIFICATE
PROUDLY PRESENTED TO

SAHITHI S C
Green Homes - A Way of Life

Jan 19, 2023 UltraTech Cement Ltd



CERTIFICATE
PROUDLY PRESENTED TO

Arundha Krishna
Green Homes - A Way of Life

Jan 19, 2023 UltraTech Cement Ltd



CERTIFICATE
PROUDLY PRESENTED TO

Arundha Krishna
Green Homes - A Way of Life

Jan 19, 2023 UltraTech Cement Ltd



WEBINAR ON
“GREEN HOMES – A WAY OF
LIFE”

EVENTS ORGANIZED

CERTIFICATE PROUDLY PRESENTED TO

MURALI PRASATH M

Health Monitoring of Structures through
Instrumentation

Feb 11, 2023

Date of Completion

UltraTech Cement Ltd.

Organiser



Webinar on “**Health Monitoring of Structures through Instrumentation**”
organised by
UltraTech Cements

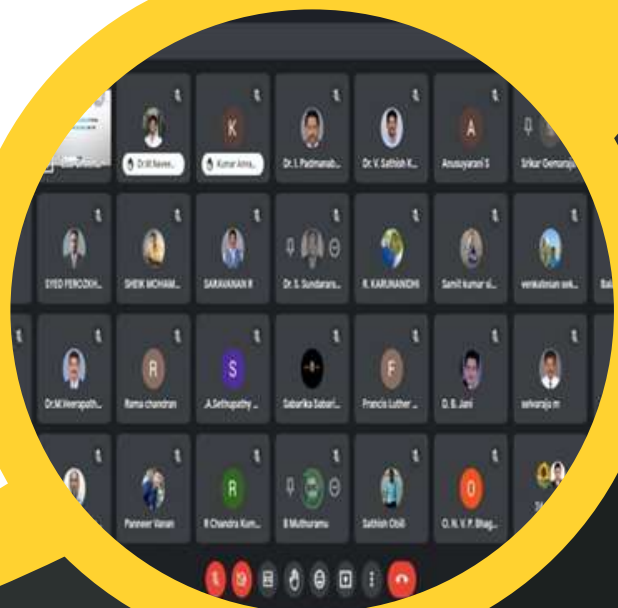


EVENTS ORGANIZED

DRONE SURVEYING – 3D MODEL



One-week Faculty
Development
Programme on
**"Innovative and
Emerging Thrust
Areas of Civil and
Mechanical
Engineering"**



EVENTS ORGANIZED



A session on **“Team Building and Leadership Skills”**



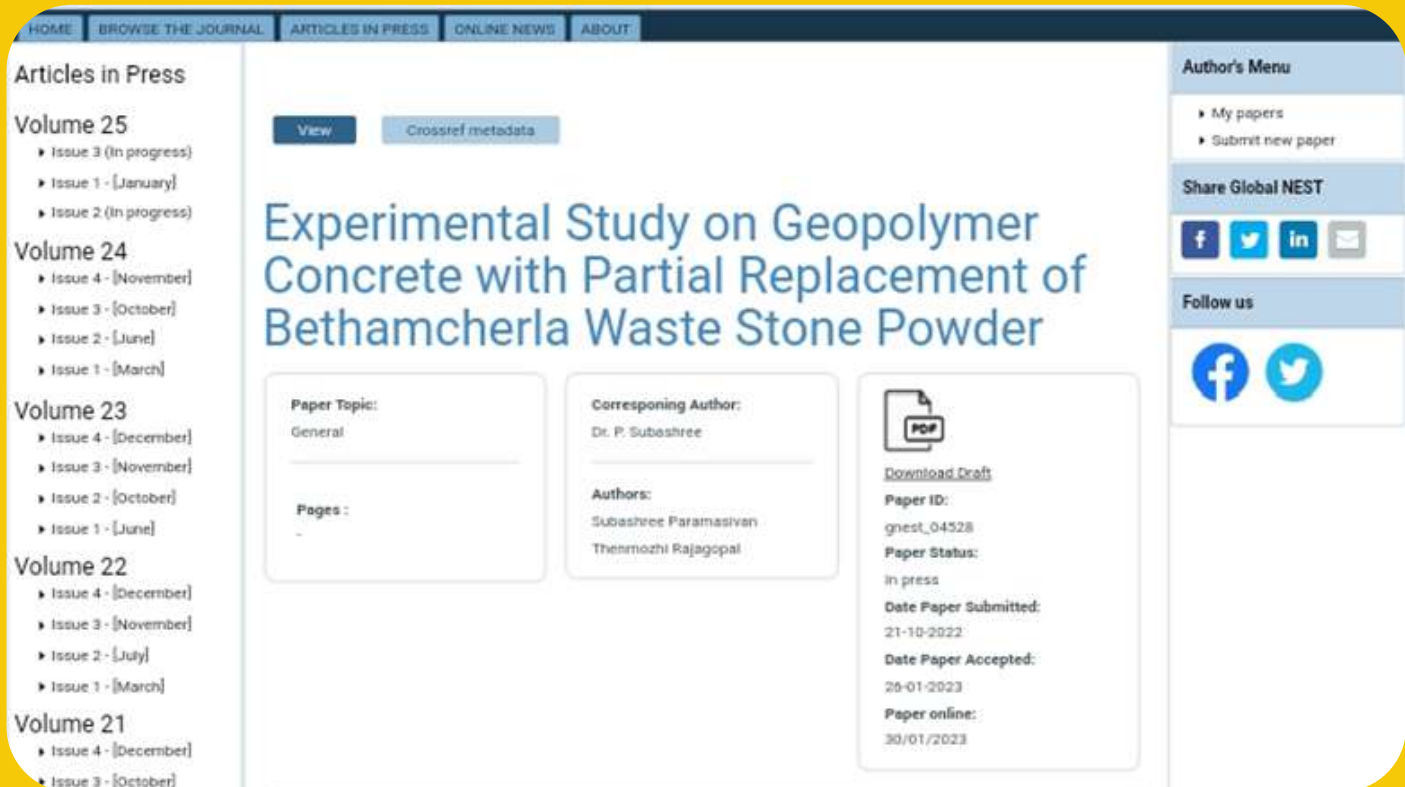
EVENTS ORGANIZED



Workshop on “**Career Development through Entrepreneurship and Start-up**”



FACULTY PUBLICATION



The screenshot displays the journal's website interface. The main article title is "Experimental Study on Geopolymer Concrete with Partial Replacement of Bethamcherla Waste Stone Powder". The corresponding author is Dr. P. Subashree. The authors listed are Subashree Paramasivan and Thenmozhi Rajagopal. The paper status is "In press". The paper ID is gnest_04528. The date paper submitted is 21-10-2022, and the date paper accepted is 26-01-2023. The paper online date is 30/01/2023. The website also features a sidebar with "Articles in Press" categorized by volume (21 to 25) and issue, and an "Author's Menu" with options like "My papers" and "Submit new paper".

Dr P Subashree
Associate Professor,
published a paper in
Global NEST and SCI
indexed Journal



FACULTY PUBLICATION



Article

Mechanical and Durability Properties of CCD-Optimised Fibre-Reinforced Self-Compacting Concrete

Gunachandrabose Sivanandam ^{1,*} and Sreevidya Venkataraman ²

¹ Department of Civil Engineering, Sri Krishna Polytechnic College, Coimbatore 641042, Tamil Nadu
² Department of Civil Engineering, Sri Krishna College of Technology, Coimbatore 641042, Tamil Nadu
* Correspondence: gunachandrabose1578@gmail.com; Tel.: +91-99-9431-7468

Abstract: The accelerated advancement of industrialization, urbanization, and technology has led to an enormous amount of waste materials that are channelled into the environment, contaminating the soil, water and air. This exceedingly large volume of waste in the planet's environment makes it challenging and difficult to handle; thus, it is urgent to facilitate alternative methods for waste disposal. Moreover, the consumption of concrete raw materials increases as a consequence of the continuous increase in concrete usage. In this study, printed circuit boards (PCB), cutting waste (0%, 5%, 10%, 15%, 20%) and recycled concrete aggregate (construction and demolition waste) (20%, 40%, 60%, 80%, 100%) replace the fine and coarse aggregate; this is utilised in the self-compacting concrete (SCC). To mitigate the impact of shrinkage and micro-cracking during loading, synthetic fibres (polypropylene fibres) (0%, 0.25%, 0.5%, 0.75%, 1%) are incorporated into the dense matrix of concrete. Based on the experiments conducted, it is concluded that the optimum percentages of e-waste, recycled aggregate and synthetic fibres are 10%, 60% and 0.5% respectively. It is proposed to use response surface methodology for the statistical analysis.

Dr V Sreevidya
Professor,
published a paper
in MDPI an SCI
indexed Journal



INDUSTRIAL VISIT



Industrial Visit
for 3rd year B.E.
Civil Students at
**CODISSIA –
BUILD EXPO
2023 @**
Codissia Hall
Coimbatore.



INDUSTRIAL VISIT



Field visit
training session
on “**Column
Orientation in a
Structure**”



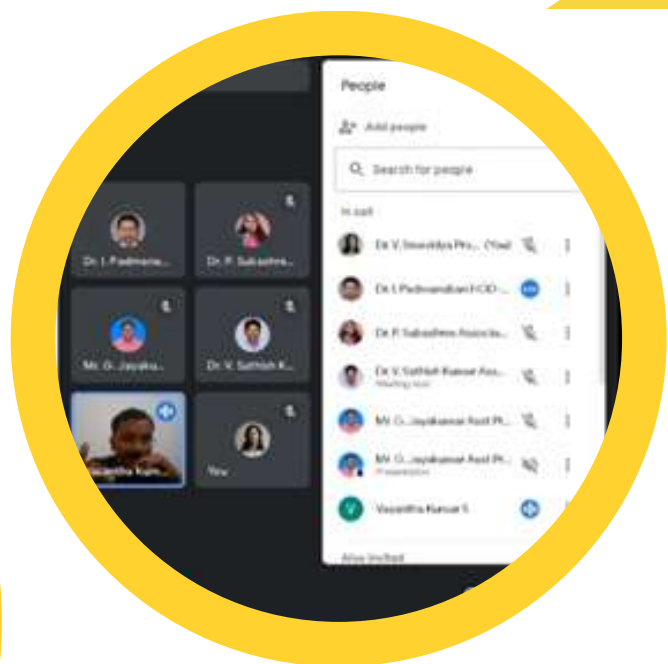
ALUMNI CORNER



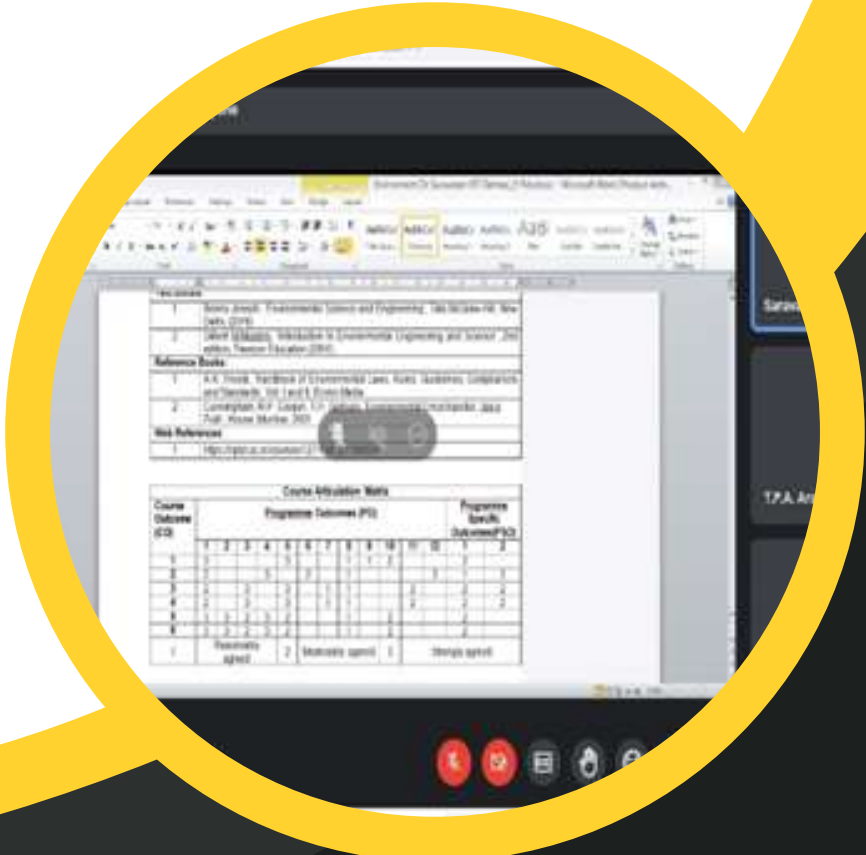
Ms Rohini and
Mr Deepan
Chakravarthy
**Alumni of B.E.
Civil, Batch 2017-
2021**, visited the
Department and
had an interaction
with the HOD



CURRICULUM DEVELOPMENT CENTRE



Online syllabus validation with the experts from reputed institutions was conducted for **CDC syllabus** validation.

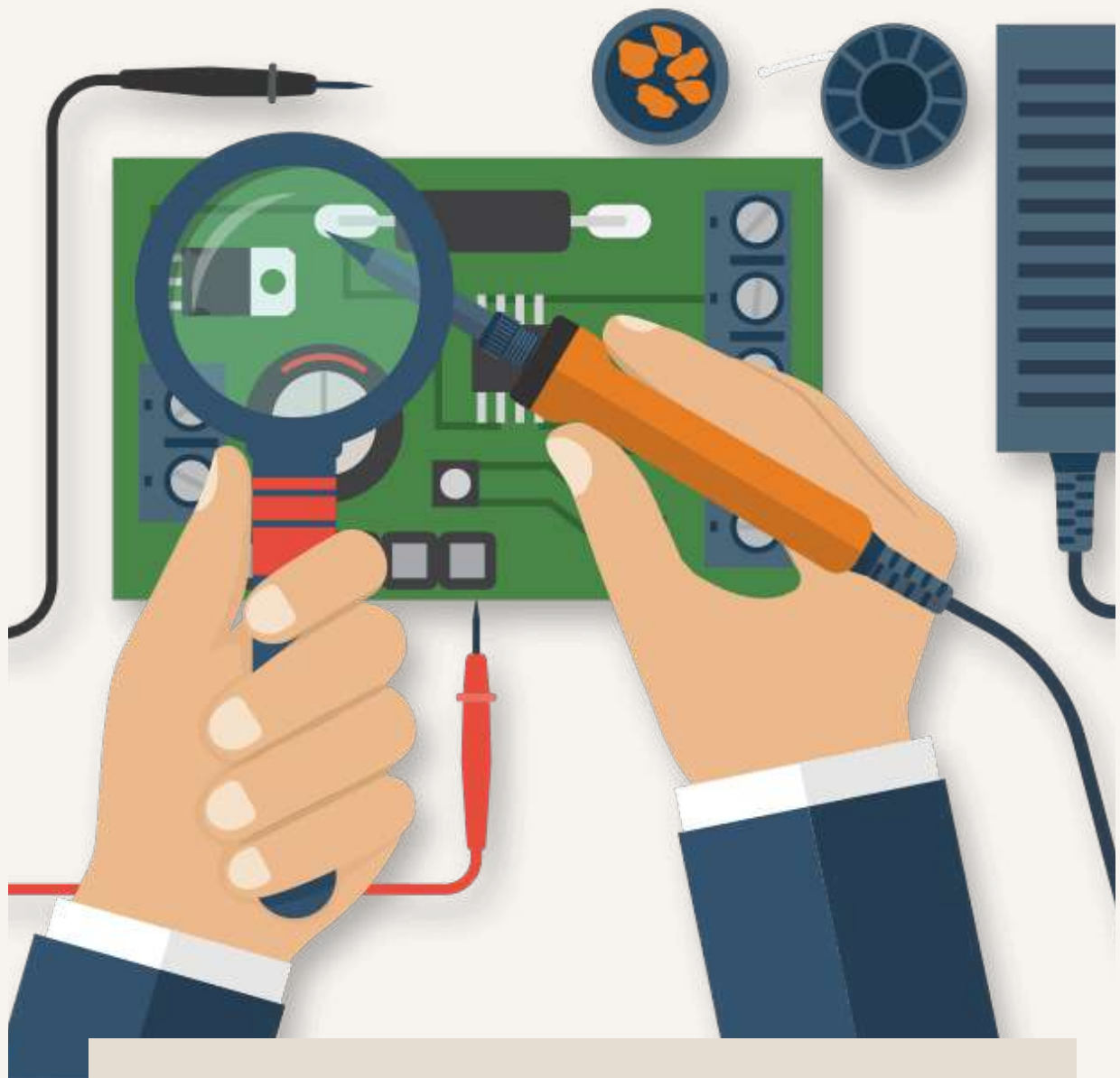


MEMORANDUM OF UNDERSTANDING



MOU with
“Zhagaram
Engineers and
Consultants-
Coimbatore”





DEPARTMENT OF
ELECTRONICS AND
COMMUNICATION ENGINEERING

COURTESY

Ms PRIYATHARSHINI M

STUDENT PARTICIPATION

CERTIFICATE

THIS CERTIFIES THAT

ARUN.A.T

[View email address](#)

HAS PASSED THE FOLLOWING PUBLIC TEST ON NOV 19, 2022:

SQL

RANKING ON THE TOP 10%

TestDome is a provider of high-quality online screening tests for knowledge workers. TestDome uses work-sample testing methodology—candidates are checked through small samples of actual work.



Mr. Arun. A.T. of 3rd year ECE
Certified in the Top 10 % Ranking
Conducted By
TestDome.

STUDENT CERTIFICATION



STUDENT PARTICIPATION



SRI KRISHNA COLLEGE OF TECHNOLOGY

KOVAIPUDUR, COIMBATORE - 641 042.

(An Autonomous Institution)

Approved by AICTE and Affiliated to Anna University,

Accredited by NBA - AICTE and NAAC with 'A' - Grade



GANDHI JAYANTI DAY,
INTERNATIONAL DAY OF NON-VIOLENCE - 2022

CERTIFICATE OF APPRECIATION

This is to certify that Mr./Ms. HARISH. R
of III ECE A has participated in the Elocution competition themed
"Culture of Peace and Non-Violence" conducted by Sri Krishna College of Technology, Coimbatore on 7th October, 2022
in commemoration of 153rd birth anniversary of Mahatma Gandhi.

Principals
Convener

Harish
Dean Academics
& Student Affairs

Principals
Principal

Mr. Harish R.
3rd year
Participated
in
Elocution Competition



STUDENTS CERTIFICATION



STUDENTS CERTIFICATION



STUDENTS CERTIFICATION



STUDENTS CERTIFICATION



STUDENTS PARTICIPATION



Mr.Santhosh M., Mr. Sivabalan U., Ms. Subhadharani M. and Ms. Tharaneshwari V., 1st year ECE **Participated in Mimica (mime) in GENESIS '2k23**

STUDENTS PARTICIPATION



STUDENTS PARTICIPATION



Mr Gowshick Raja B
and Mr Akshaya
Kumar P
**Participated in
Logo Design** in
Quantum Tech Fest
2023

Guyana Learning Channel

**LOGO
DESIGN
CONTEST**

See post for details

STUDENTS PARTICIPATION



Students from IInd & IIInd year
Participated in the Dance Competition
@
"Genesis 2K23"

STUDENTS CERTIFICATION



STUDENT CERTIFICATION

CERTIFICATE OF PARTICIPATION

This certificate is presented to

Gowshick Raja B

for participating in the workshop on Competitive Programming
conducted by Petrichor'23 techno cultural fest of IIT Palakkad on
February 4,5 2023.



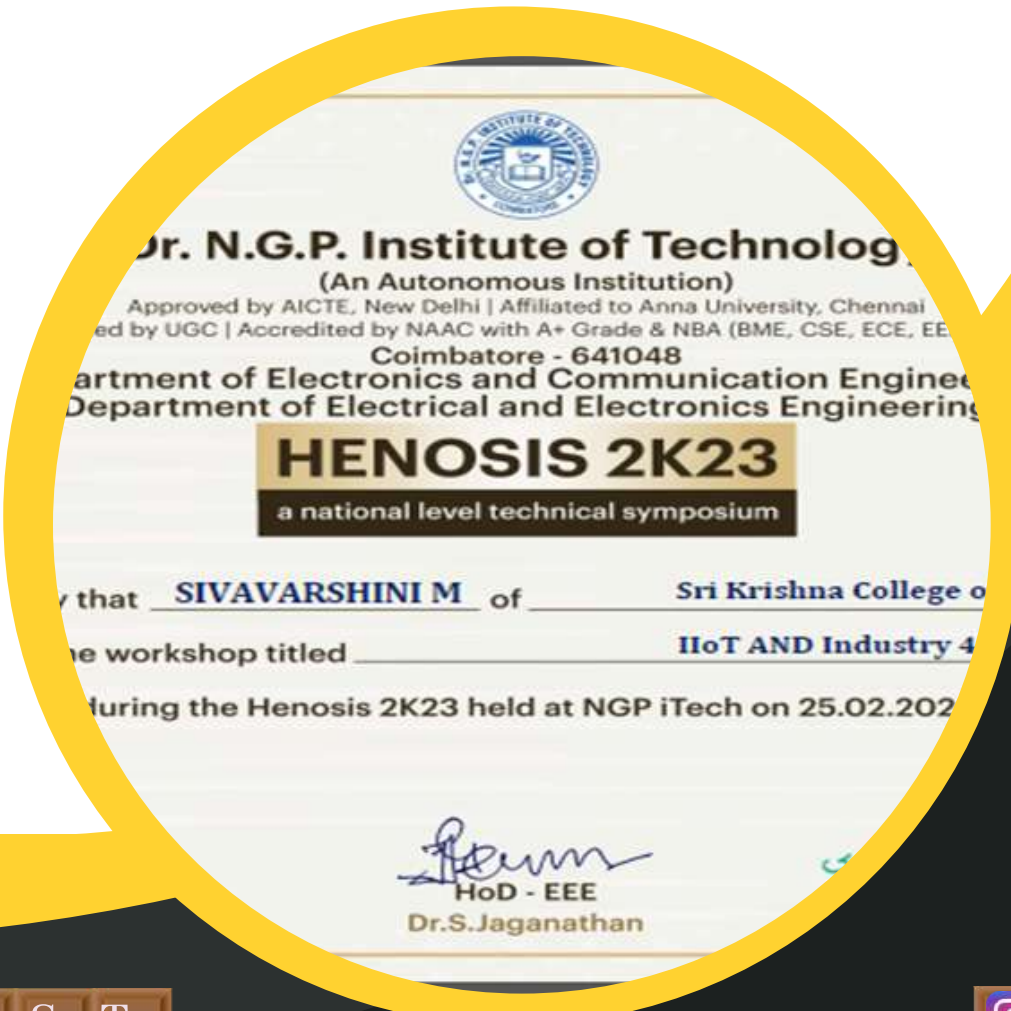
Aleena Paul
FEST COORDINATOR



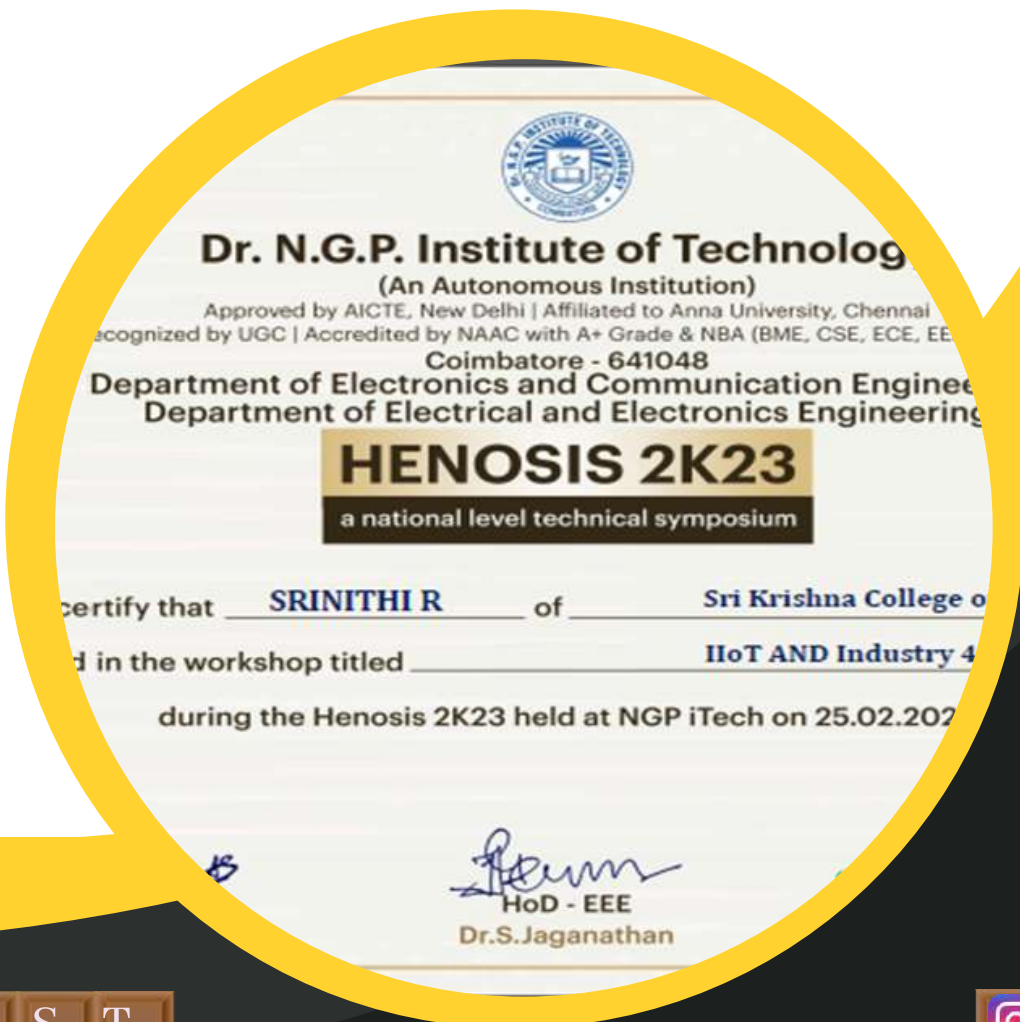
Dr Afzaal Ahmed
FEST ADVISOR



STUDENTS CERTIFICATION



STUDENTS CERTIFICATION



FACULTY CERTIFICATION



FACULTY CERTIFICATION



FACULTY CERTIFICATION



FACULTY CERTIFICATION



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FACULTY CERTIFICATION



FACULTY CERTIFICATION



FACULTY CERTIFICATION

2023 INTERNATIONAL CONFERENCE ON COMPUTER COMMUNICATION AND INFORMATICS

TECHNICAL SPONSORS
IEEE **IEEE**

13TH EDITION

CERTIFICATE OF APPRECIATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO
Dr.K.MUTHULAKSHMI

HAS PRESENTED THE 'TECHNICAL PAPER' ENTITLED
Smart Automated Kitchen System using Internet of Things

in the International Conference on Computer Communication and Informatics
held from 23-25 January 2023

23-25 Jan 2023
DATE

CONFERENCE CHAIR

SRI SHAKTHI 2727 NRI

INTERNATIONAL CONFERENCE ON COMPUTER COMMUNICATION AND INFORMATICS

TECHNICAL SPONSORS
IEEE

CERTIFICATE OF APPRECIATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO
Dr.G Shanthi

HAS PRESENTED THE 'TECHNICAL PAPER' ENTITLED
Traffic Assistance and Control System- An RFID Approach

in the International Conference on Computer Communication and Informatics
held from 23-25 January 2023

23-25 Jan 2023
DATE

CONFERENCE CHAIR

SRI SHAKTHI 2727 NRI

ENGINEERING AND TECHNOLOGY
AUTONOMOUS INSTITUTION
COIMBATORE - 62

FACULTY CERTIFICATION



DEPARTMENT ACTIVITIES



Activity on the Topic of "**Design Thinking**" for First Year Students



DEPARTMENT ACTIVITIES



Activity on the
Topic of "**Critical
Thinking -
Master class**"
for First Year
Students



DEPARTMENT ACTIVITIES



Activity on the Topic of **"INNOVATIVE APPROACH FOR TEAM BUILDING"**



DEPARTMENT ACTIVITIES



Activity on the Topic of "INNOVATIVE APPROACH FOR TEAM BUILDING"



CLUB ACTIVITIES



SKCT
வல்லமை -
Life Hack Club
(Personality
development
club)
organized an
event on "**Self
Discovery and
Goal Setting**"



EVENT ORGANIZED

Guest Lecture
on "**Industry
Focus on
Embedded
Systems and
IoT**" by Dr. L.
R. Karlmarx,
Professor



Guest
Lecturer

PROJECT EXPO 2023



...erwriter and Joint Bookrunner



...erwriter and Joint Bookrunner



EVENT ORGANIZED



Dr. G. P. Godhanavalli,
Counselor, delivered a
counselling session for
1st year ECE students



EVENT ORGANIZED

Expert Talk on
**"Importance of
Being a Purpose
Driven
Professional"** by
Mr. Natarajan
Raman, CEO,
Patterns Cognitive,
Chennai



THE
**Expert
Talk**

EVENT ORGANIZED

One-day
workshop and
hands-on session
on “**Arduino
Basics**” at
Embedded
system

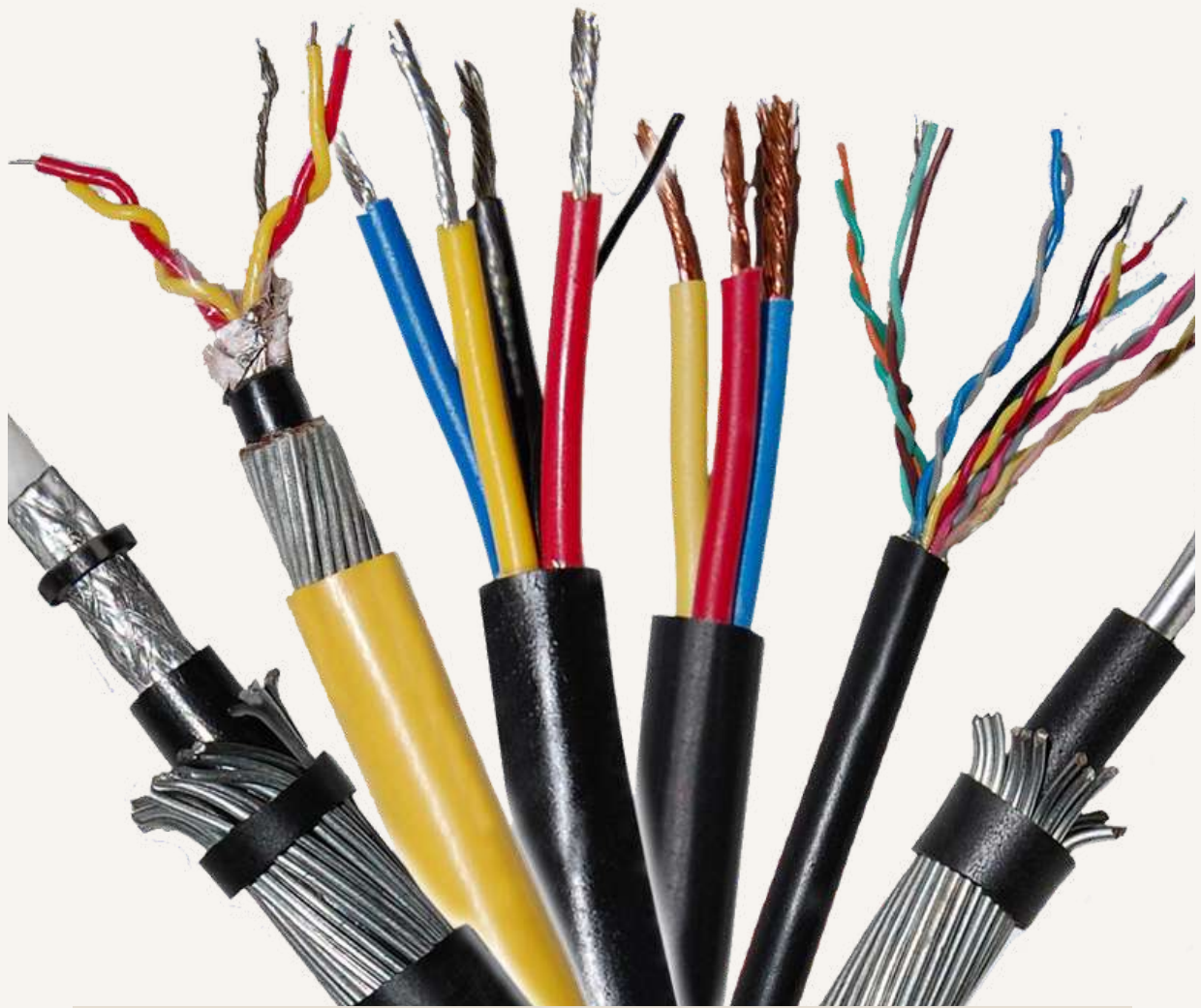


EVENT ORGANIZED

Guest lecture on
**“Gate - Way to
Excellent Career
Opportunities”** by
Mr. A.
Saravanakumaran,
M.E., Manager -
GATEFORUM



SPECIAL
GUEST
LECTURE



ELECTRICAL & ELECTRONICS ENGINEERING

COURTESY

Ms SUKANYA G

MEMORANDUM OF UNDERSTANDING



MoU with Bhairav Industries, Coimbatore



INDUSTRY CONNECT



Mr. P. Leninpugalhanthi,
Assistant Professor
**visited the 'Kondaas
Automation Private
Limited', Coimbatore**

INDUSTRY
CONNECT

Connect to your Future

FACULTY PARTICIPATION



KGiSL Institute

KITE
K. G. Institute
of Technology

**A NEW AREA IN
NANO**

RESOURCE PERSON
Mr. P Lenin P
Assistant Professor
Department of ECE
Sri Krishna College
Coimbatore.

**21st
FEB**

CONVENER Ms. N Back

Venue - Sir C V

M - 12:15 PM

[f](#) [t](#) [y](#) [in](#)

FACULTY CERTIFICATION



FACULTY CERTIFICATION



EASWARI
ENGINEERING COLLEGE
An AUTONOMOUS Institution
Affiliated to ANNA UNIVERSITY
RAMAPURAM, CHENNAI



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
(NBA ACCREDITED)

Certificate of Participation

This is to certify that Dr./Mr./Ms. R.DEVI , ASSISTANT PROFESSOR
of Sri Krishna College of technology has participated
in the One Week International Faculty Development programme on "**Research Innovations and Emerging
Advances in Electrical Engineering**" organized by the Department of Electrical & Electronics Engineering,
Easwari Engineering College from 05th to 12th Jan 2023.

Dr. P. Marish Kumar
Coordinator

Dr. E. Kaliappan
Convener, HoD / EEE

**FACULTY
DEVELOPMENT
PROGRAM**

FACULTY PUBLICATION

Journal of Electrical Engineering & Technology
<https://doi.org/10.1007/s42835-023-01392-4>

ORIGINAL ARTICLE



Solar PV and Wind Energy Based Reconfigurable Microgrid for Optimal Load Dispatch

Lijo Jacob Varghese¹ · U. Arun Kumar² · D. Sunitha³

Received: 5 October 2022 / Revised: 22 December 2022 / Accepted: 8 January 2023
© The Author(s) under exclusive licence to The Korean Institute of Electrical Engineers 2023

Abstract

Distribution generation (DG), energy storage systems (ESS), distributed reactive sources (DRS), and resilient loads that may operate in both linked and isolated modes form the microgrid (MG). Unpredictable and variable DGs, like as renewable energy sources like wind and photovoltaic systems, are especially difficult for MG planners to make judgments on (PVES). This work provides a rigorous hybrid optimization approach for designing reconfigurable MGs to tackle technological and economic uncertainty. The suggested technique leverages the moth flame optimization (MFO) algorithm paired with a heuristic fuzzy for optimum DG positioning and reconfiguration, manufacturing costs, and loss avoidance. This hybrid algorithm improves electricity quality, increases customer savings, and benefits the distributed system operators (DSO). The MFO algorithm is used to optimize and reorganize DG sites, and the fuzzy technique is utilized to deal with multi-objective problems, all to reduce microgrid expenses like emission costs and the supply of reliable energy. Using the supplied technique to address three distinct situations helps DSO choose the appropriate structures. For testing, a 33-bus IEEE RDS microgrid is employed. Validation is done utilizing a 24-h daily load pattern and 24-h typical load dispatching behavior for both WES and PVES to ensure reliability. Studies show micro grids outperform present structures.

Keywords Radial distribution system (RDS) · Renewable energy sources · Optimization · Hybrid fuzzy moth flame algorithm · Power loss · Distributed system operators (DSO)

Dr Lijo Jacob Varghese, Professor and Head, **Published an Article** in International Journal of Electrical Engineering & Technology.

EVENT ORGANIZED



Workshop on
**“Entrepreneurship and
Innovation”** as Career
Opportunity” by Ms
Sowmiya A, CEO and
Founder of thought X,
Coimbatore



EVENT ORGANIZED



Faculty Development
Programme on
**“Personal Effectiveness
and Stress
Management”** by Ms
Sowmiya A, CEO and
Founder of thought X,
Coimbatore



EVENT ORGANIZED

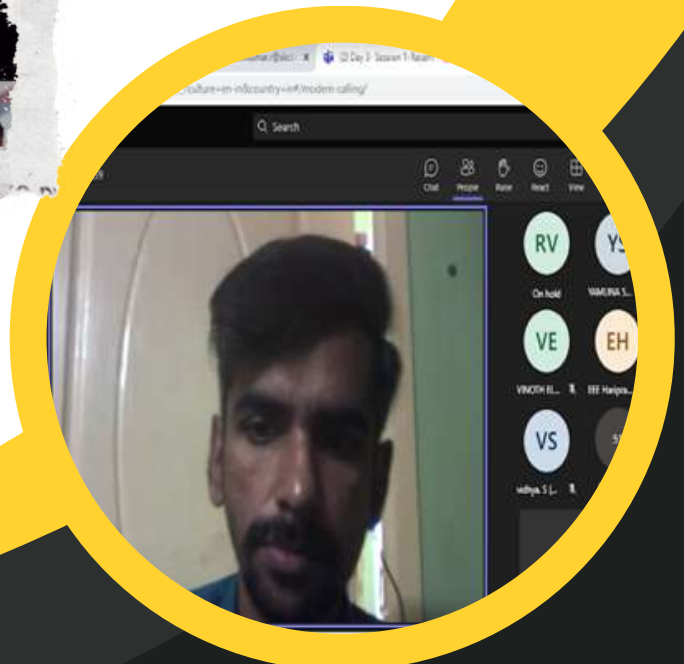
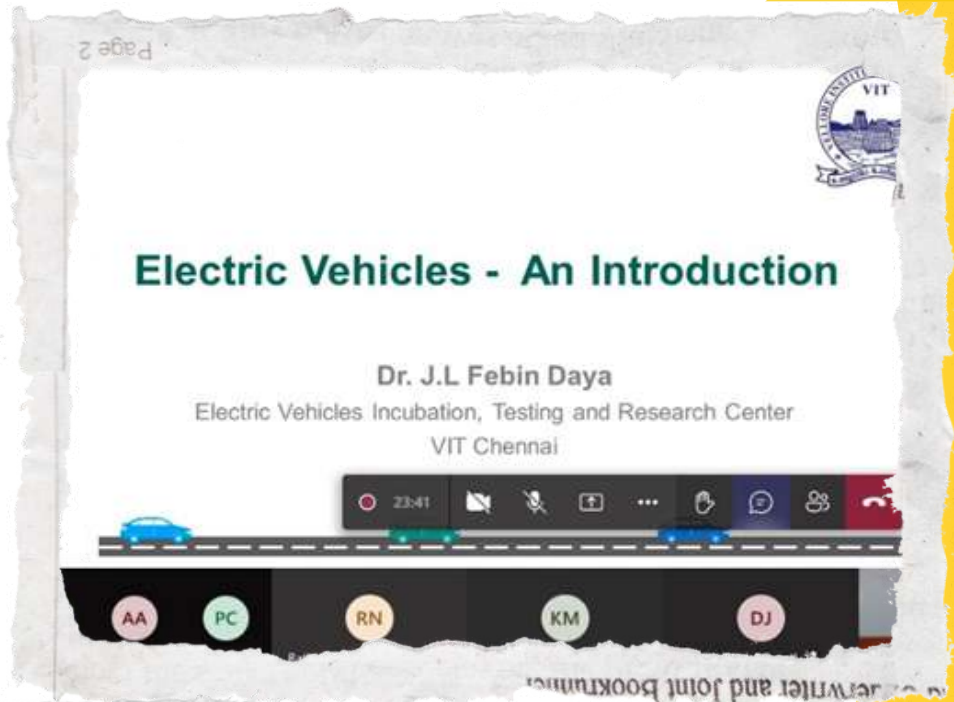


Workshop on “**Design Thinking, Critical thinking and Innovation Design**” by M. N. Poomagal Padmashree, Spring Boot , Micro Services Developer, System Engineer, TCS



EVENT ORGANIZED

Five-day Virtual FDP on “Recent Trends and Innovations in Electric Vehicle”



EVENT ORGANIZED

Virtual webinar
on “**Career Opportunities after B.E., through GATE/ESE/PSUs**”



EVENT ORGANIZED

Awareness on **Fire Extinguisher and its Handling**. Mr. Patel, the Technical Expert from M/S Padmalata Enterprises



**FIRE
EXTINGUISHER**



INDUSTRIAL VISIT

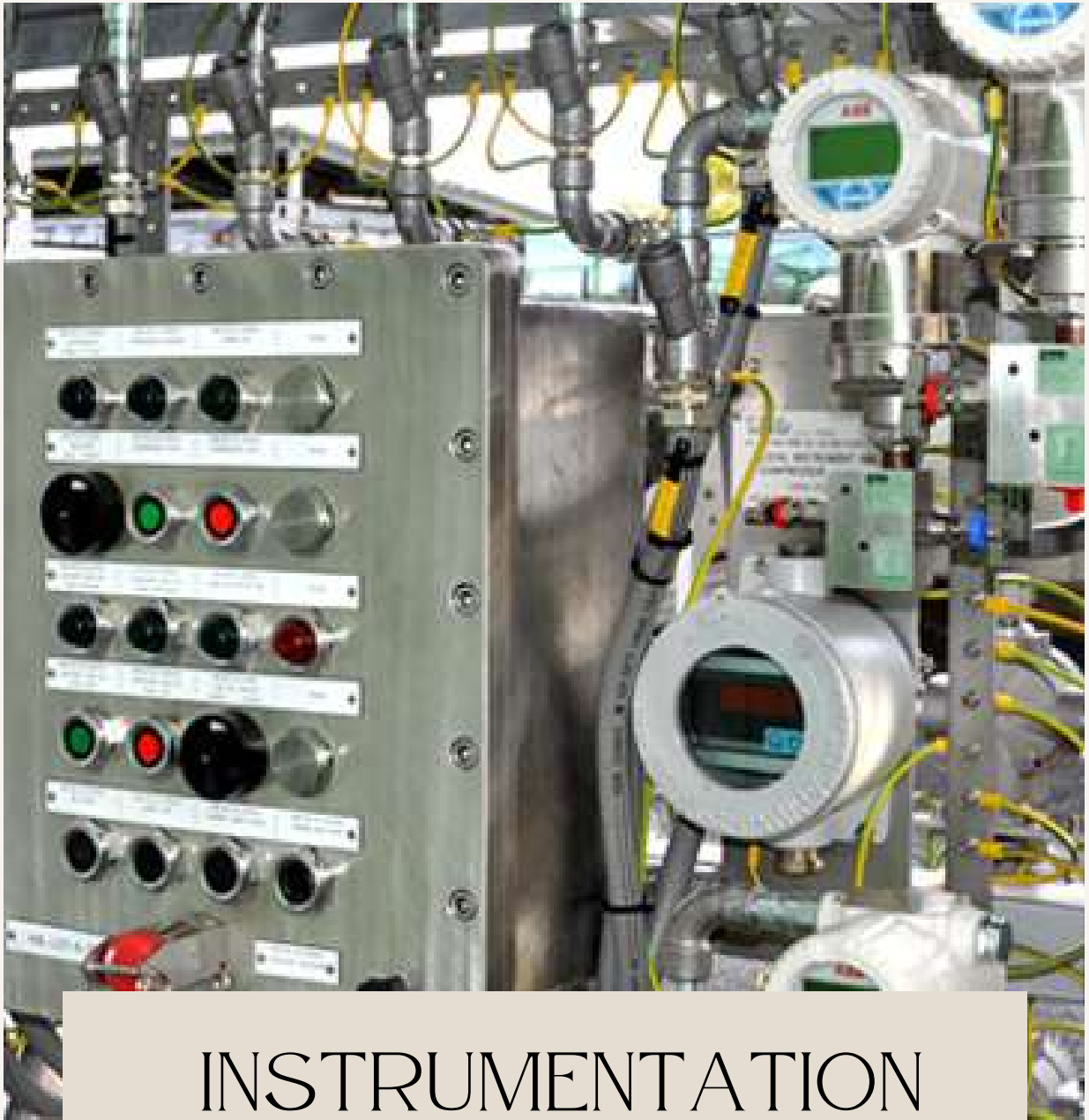


Students of Third year
visited **220kV/110kV**

TNEB Substation at

Ottakkal Mandapam as
a part of **Industrial Visit**





INSTRUMENTATION AND CONTROL ENGINEERING

COURTESY

Mr AJITH B SINGH

STUDENTS PARTICIPATION





Mr. Mohammad Arshath J, Ms. Pooja M,
Mr. Mouriya Madhavan S B,
Mr. Shane Steffy S,
Ms. Surekha S S, Ms. Swarna Lakshmi D M,
& Mr. Vishal S P,
II year ICE

Participated in "TRONIX 2K23"

FACULTY PARTICIPATION

Rate of Petrol/Charge injection


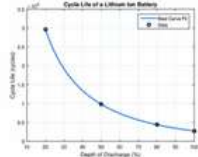
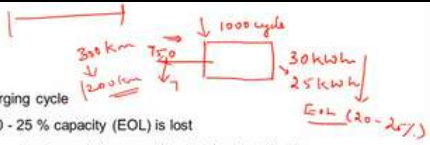
- Petrol can be injected at any rate
- Does not add cost or wear and tear
- For EV, rate of current injection to (Charge rate) or extraction from (discharge rate) a battery impacts battery life
- As voltage is constant, rate of current is proportional to power in/ out
- Life of battery depends on
 - ✓ Charge - discharge rate (C_rate)
 - ✓ Temperature of charge, discharge and storage
 - ✓ Depth of discharge (DoD) - extend to which battery is emptied and filled up in each cycle



Faculty
Development
Programme on
“Recent Trends
and Innovations
in Electric
Vehicle”

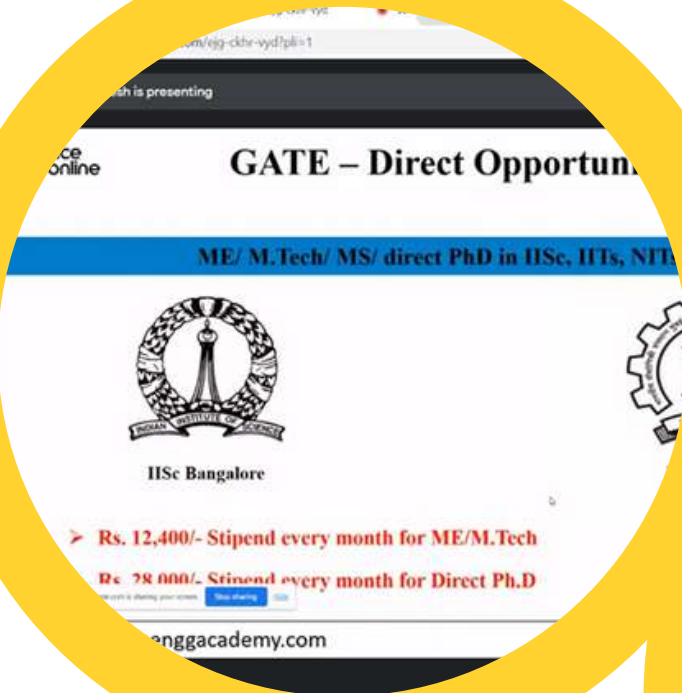
Battery Life

- Capacity reduces for every charging cycle
- Replacement happens when 20 - 25 % capacity (EOL) is lost
- Calendar Life - Even if the battery is not used, the capacity deteriorates (6 - 10 years)
- Cost Rs. 12,000 - 15,000/- per KWhr
- Significantly contribute the cost of EV
- C - rate



FACULTY
DEVELOPMENT
PROGRAM

EVENT ORGANIZED



DEPARTMENT OF INSTRUMENTATION & CONTROL ENGINEERING
ORGANIZES
WEBINAR ON
Opportunities After Engineering through GATE & ESE
RESOURCE PERSON



Mr. M. Ramesh M.Tech
Faculty at ACE, Osmania University Alumni

Webinar on

“Opportunities after Engineering through GATE and ESE” by Mr.

Pabba Ramesh M, Sr.

Faculty at ACE, Osmania University

EVENT ORGANIZED



Project expo on “**Pursuit of Knowledge**” -
Students exhibited and demonstrated their project

DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING
ORGANIZES
PURSUIT OF KNOWLEDGE





INFORMATION TECHNOLOGY

COURTESY

Ms M Malathi

STUDENT PARTICIPATION



Mr M Sanjeevi Kumar
Participated in Smart
Agrothan-2023 @
Karpagam College of
Engineering


AGROTHON
अग्रोथॉन

STUDENTS PARTICIPATION



Mr K Santhosh, Mr M Hariharan and Mr Abhishek P Participated in Smart Agrothon-2023



STUDENTS PARTICIPATION



Mr S Gugan and
Ms S Rasiga
Participated in Smart
Agrothan-2023



STUDENTS PARTICIPATION



Students participated in the Sustainable Development Goals **Hackathon** conducted by Tamil Nadu Startup and Innovation Mission, Erode



STUDENTS PARTICIPATION



EVENT ORGANIZED



Workshop on
**"Deployment of
VMWARE
Virtualization
Infrastructure"**



FACULTY PUBLICATION

APPLICATION OF MACHINE LEARNING IN MODELS

Dr. P. SAMPATH
Mrs. G. SIRISHA
PRATHIBA JONNALA
Dr. S. BOOBALAN
Dr. R. SUGANYA

ARINNA PUBLISHING

ROYAL BOOK PUBLISHING



Dr. R. Suganya, Assoc. Prof. **published a book on Application of Machine Learning** in models in ARINNA publishing
ISBN: 9789395423274

D I G E S T





MECHANICAL ENGINEERING

COURTESY

Mr SENTHILKUMAR K

STUDENTS PARTICIPATION



Mr M Gowsikraj

Mr K Dhanush

Mr B Ashwin

Mr S Sanjai

Participated in a One-day Workshop -

Henosis @ Dr. N. G. P.

Institute of Technology.



STUDENTS PARTICIPATION



Mr Nethish Kumar G,
Mr Sanjay D and
Mr Gnanasuriyaa,
3rd year Students
participated in a 3-day
**workshop on "Automobile
Prototyping"** conducted by
NIT Trichy.



STUDENTS PARTICIPATION



Students attended
**Automation & 3D
Printing Workshop**

Organized by Karpagam
College of Engineering
Coimbatore



STUDENTS PARTICIPATION



Mr Mouli K
and
Mr Jayahari
Narayanan
**participated in
Electric Vehicle
workshop, @
KPRIET**



STUDENTS PARTICIPATION

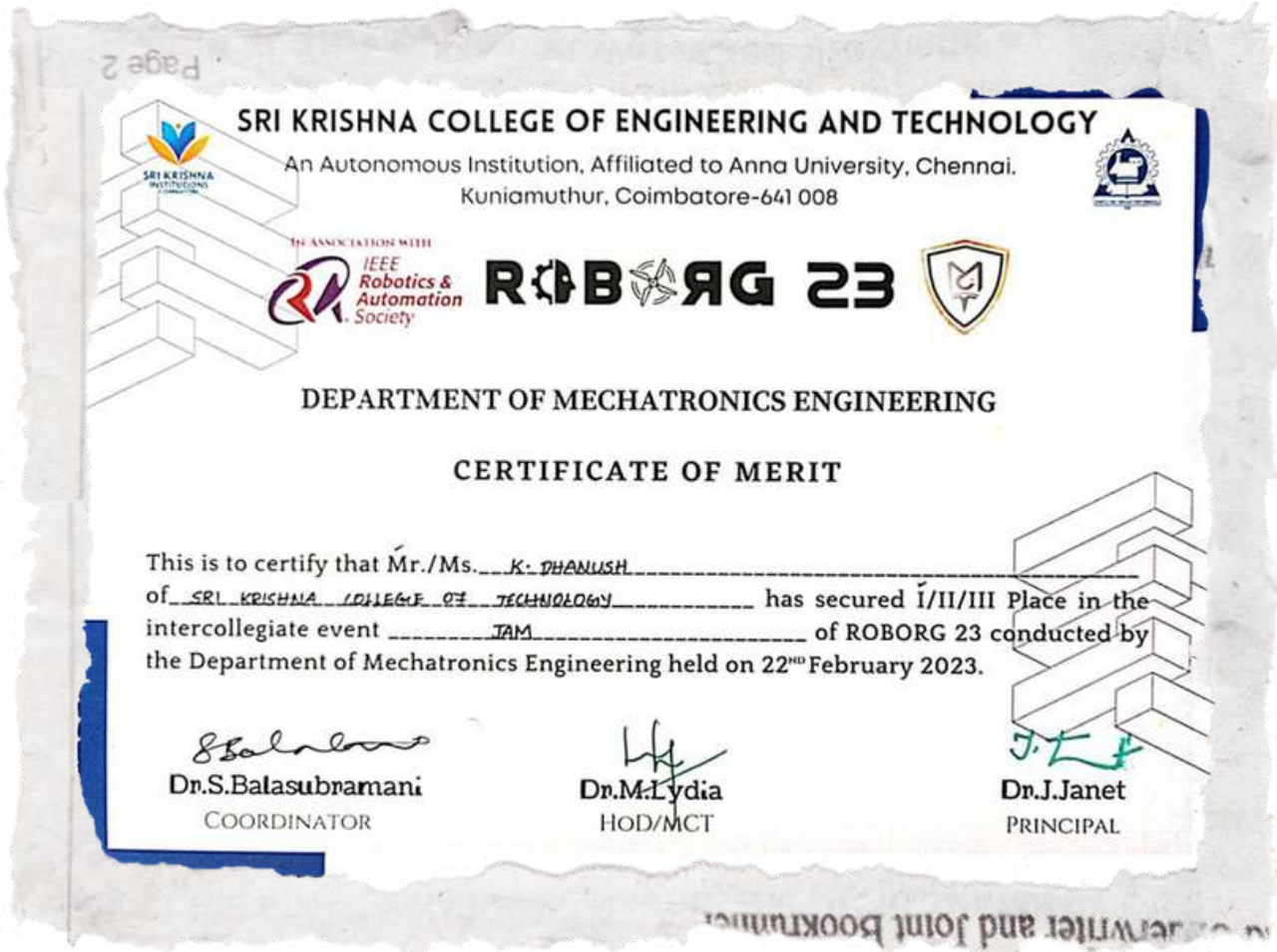


Mr. Pranoy Augustin Francis and Mr. Suriya Prakash S

Mr Pranoy Augustin Francis and Mr Suriya Prakash S of 3rd year participated in **ICRACM - 2023 @ SRMIST**



STUDENT PARTICIPATION



Mr K Dhanush
secured the **first place**
in an **Intercollegiate**
event on JAM of
ROBOORG 23



STUDENTS PARTICIPATION



Students of 2nd year
attended a **2 day**
Workshop on Electric
Vehicles at BIT, Sathy



STUDENTS PARTICIPATION



Team Mavericks
participated in **AVSAR**
Hackathon at IIT
Palakkad.



STUDENTS PARTICIPATION



Mr Nithish and Mr Shrijith from II year attended ROTARACT CLUB SPORTS MEET "HUSTLE" at Hindusthan College, Coimbatore



STUDENTS PARTICIPATION

भारत सरकार
अंतरिक्ष विभाग
इसरो नॉंदन कॉम्प्लेक्स (आईपीआरसी)
महेंद्रगिरी पी.ओ., थिरुनेलवेली जिला - 627 133
तमिलनाडु, भारत
दूरभाष : 04637 281900 (प्रशासन)
04637 281618 (व्यवस्थापन)
04637 281646 (अंश)।
04637 281567 (आपूर्ति)
04637 281547 (लेखा)



Government of India
Department of Space
ISRO Propulsion Complex (IPRC)
Mahendragiri P.O., Tirunelveli District - 627 133
Tamil Nadu, India
Telephone : 04637 281900 (Operator)
04637 281618 (Administration)
04637 281646 (Purchase)
04637 281567 (Stores)
04637 281547 (Accounts)

Date: 02.02.2023

MANAGEMENT SYSTEMS AREA
Human Resource Development and Technologies Division

Certificate

This is to certify that Mr. Vijayandharahi A P studying Final Year B.E in Mechanical Engineering at Sri Krishna College of Technology, Coimbatore has undergone In-Plant Training at Turbo - Pump Test & Sub - System Test Facility (TPT & SST), Cryogenic Test Facilities (CTF) of IPRC, Mahendragiri as per details given below.

Name & Designation of the Guide : Shri. S. Nantha Kumar, Deputy Manager
Name of Entity/Group and Division : CTF / TPT & SST
Area in which Training was undergone :

- Various Systems for Cold Flow Testing of Turbine, Turbo Pumps and Subsystems of Cryogenic Engines of GSLV MkII and GSLV MkIII
- Testing facility for testing cryogenic engine of GSLV MkII & GSLV MkIII under High Altitude condition.
- Facilities for Assembly and Integration of Engine & Stages of PSLV and GSLV MkIII.
- Precision Machine tools and CNC Machines.

Performance and interest shown : Excellent
Period of In-Plant Training : 23.01.2023 to 01.02.2023
Conduct : Excellent

(C.NAG. RAJAN)
Manager, IPRTD

भारतीय अंतरिक्ष अनुसंधान संगठन इसरो ISRO Indian Space Research Organisation

Mr Sri Prakash M,
Mr Vijayandarahari A
P, Mr Abinash R & Mr
Gokul B undergone
**inplant training in
Turbo - Pump Test &
Sub System Test
facility in ISRO
Propulsion complex,
Thirunelveli.**



STUDENT PARTICIPATION



Mr. Soundarraaj, Final
year Student, doing his
Project Work at
Dayanand Sagar
University in Bangalore



STUDENT PARTICIPATION

Mr Srivishnu K, 2nd year has been awarded an internship with Cybersecurity NxxT Private Ltd for a period of 1 year from 20th Feb 2023 to 20th Feb 2024 as Trainee Cybersecurity Engineers



FACULTY PARTICIPATION



Dr V Karthikeyan, Associate Professor visited VIT Chennai campus and interacted with the **Academic Experts for Academia & Curriculum Connect.**

FACULTY PARTICIPATION



MIC's Leadership
Talk with Chairman
AICTE, Prof. T.G.
Sitharam



FACULTY PARTICIPATION



Outreach programme
on "**Drone Technology**
“(Technology
Intervention) for the
School Students at
Govt. Hr. Sec. School,
Madukkarai Market,
Coimbatore,



FACULTY PUBLICATION

11A

12

Research Article

Synthesis and Thermal Adsorption Characteristics of Silver-Based Hybrid Nanocomposites for Automotive Friction Material Application

R. Venkatesh, **P. Sakthivel**^{1,2}, M. Vivekanandan,³ C. Ramesh Kannan,⁴ J. Phani Krishna,⁵ S. Dhanabalan,⁶ T. Thirugnanasambandham,⁷ and Manaye Majora⁸

¹Department of Mechanical Engineering, Savitri School of Engineering (SIMATS), Chennai, 602105 Tamil Nadu, India

²Department of Mechanical Engineering, Sri Krishna College of Technology, Coimbatore, 641042 Tamil Nadu, India

³Department of Mechanical Engineering, Kongunadu College of Engineering and Technology, Trichy, 621215 Tamil Nadu, India

⁴Department of Mechanical Engineering, SRM TRP Engineering College, Trichy, 621105 Tamil Nadu, India

⁵Design Engineering, Powder Handling Solutions, RIECO industries Ltd. Pune, 411005, India

⁶Department of Mechanical Engineering, M.Kumarasamy College of Engineering, 639113 Tamil Nadu, India

⁷Department of Mechanical Engineering, Ponnaryah Ramajayam Institute of Science and Technology, Thanjavur, Tamil Nadu 613203, India

⁸Department of Mechanical Engineering, Faculty of Manufacturing, Institute of Technology, Hawassa University, Ethiopia

Correspondence should be addressed to Manaye Majora; man-buy@hu.edu.et

Received 9 September 2022; Revised 14 October 2022; Accepted 24 November 2022; Published 1 February 2023

Academic Editor: Debabrata Barik

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Advances in friction materials are imposed on developing multic ceramic reinforced hybrid nanocomposites with superior tribomechanical properties. The silver-based matrix metals are gained significance in various applications like bearing, ratchet, and electrical contacts due to their high frictional resistance and good thermal and chemical stability compared to traditional metals. The present research is to develop silver-based hybrid nanocomposites containing alumina (Al_2O_3) and silicon carbide (SiC) nanoparticles of 50 nm mixing with the ratio of 0 wt% Al_2O_3 /0 wt% SiC, 5 wt% Al_2O_3 /0 wt% SiC, and 5 wt% Al_2O_3 /5 wt% SiC via the semisolid vacuum stir-cast technique. The vacuum technology minimizes casting defects and increases composite properties. The casted composite samples are subjected to study the effect of reinforcement on thermal adsorption,

11A

12

Dr. P. Sakthivel, Professor, published a Journal

FACULTY CERTIFICATION



FACULTY DEVELOPMENT PROGRAM

FACULTY CERTIFICATION

Page 2



The Gandhigram Rural Institute
(Deemed to be University)



Department of Lifelong Learning & Extension
INSTITUTION'S INNOVATION COUNCIL

Workshop on Design Thinking, Critical thinking and Innovation Design



Dr. R. Sivakumar

Professor
Department of Mechanical
Engineering
Sri Krishna College of Technology
Coimbatore

**RESOURCE
PERSON**

Participants can Avail
E -Certificate

Organizers:

Dr.L.Raja
Professor and Head
Department of Lifelong Learning and Extension
Er.J.Muthukumar
Guest Faculty
Department of Lifelong Learning and Extension
Er.M.Praveenkumar
Guest Faculty
Community College-DDUKK
Er.S.Abinaya
Guest Faculty
Centre for Rural Technology
Er.T.Saravanakumar
Technical Support
Community College-DDUKK

Dr.S.Meenakshi
Director
Research & Development
Convenor-IIC

10/02/2023
@11:30AM

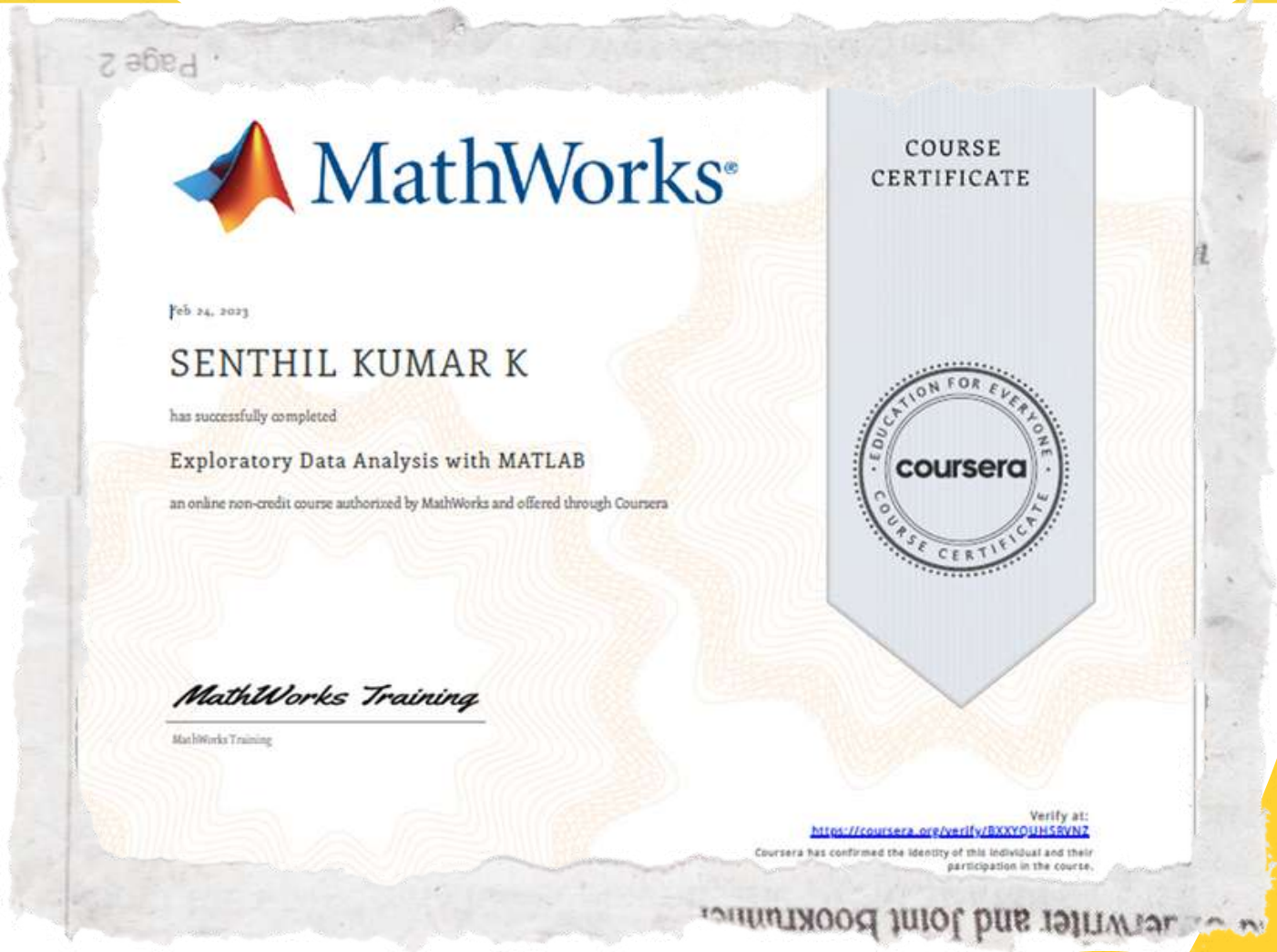
meet link: <https://meet.google.com/zqi-nabh-zxx>

Dr.K.Mahendran
Director
Centre for Rural Technology
President-IIC

Dr. R. Siva Kumar,
Professor **delivered a
lecture at Gandhigram
University**



FACULTY CERTIFICATION



Mr. K. Senthil Kumar,
Assistant Professor,
completed an
**Exploratory Data
Analysis with MATLAB**
offered through
Coursera



FACULTY CERTIFICATION



Feb 27, 2023

HARIHARA SAKTHI SUDHAN` P

has successfully completed

Exploratory Data Analysis with MATLAB

an online non-credit course authorized by MathWorks and offered through Coursera

MathWorks Training

MathWorks Training

COURSE
CERTIFICATE



Verify at:

<https://coursera.org/verify/XMA52LH42V39>

Coursera has confirmed the identity of this individual and their participation in the course.

Dr Harihara Sakthi
Sudhan, Associate
Professor, completed a
**Exploratory Data
Analysis with MATLAB**
offered through
Coursera

coursera

INDUSTRIAL VISIT



Students from 2nd year
visited **BARANI
HYDRAULICS INDIA PVT
Ltd** as a part of Practical
Exposure



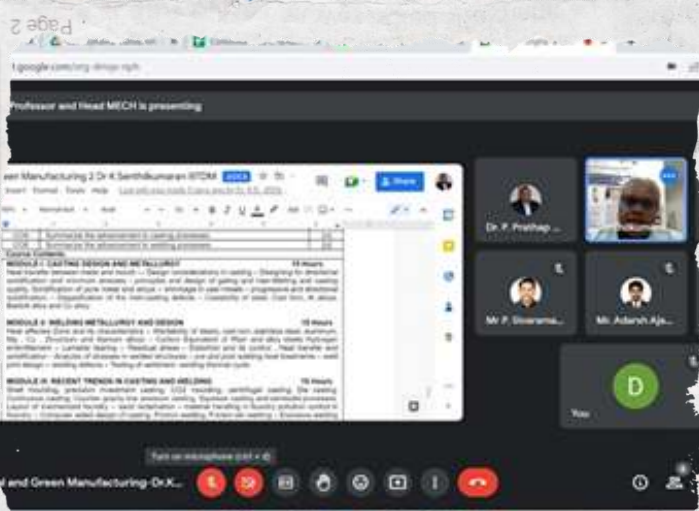
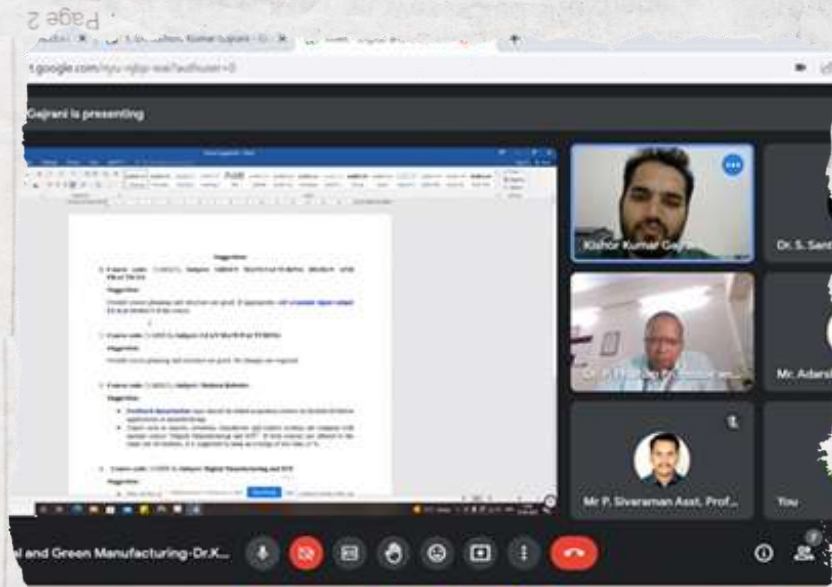
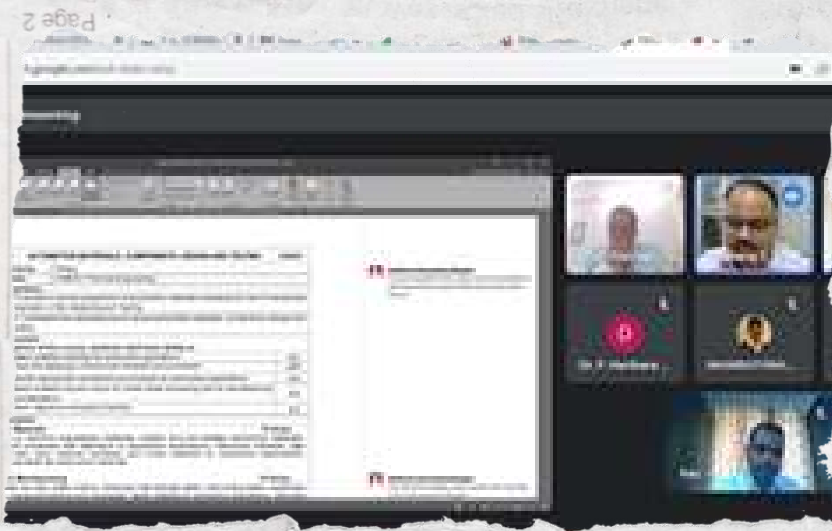
MEMORANDUM OF UNDERSTANDING



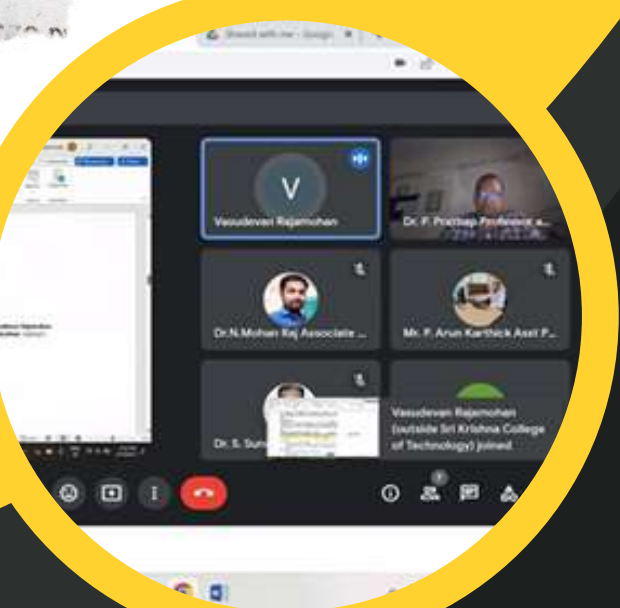
Guest Lecture on "Non Destructive Testing Methods and it's Applications" & also Signed an **MoU** with Mr. Asvath Arjun Raj, Manager, VIBRANT NDT Services Pvt. Ltd., Chennai.



CURRICULUM DEVELOPMENT CENTRE



Online syllabus validation with experts from reputed institutions conducted for **CDC syllabus validation.**



EVENT ORGANIZED



Guest Lecture on
"Basics of Gears" by Mr
Suresh R&D ZF Wind
Power, CBE



Chief Guest
Mr. Suresh
Designer - R&D,
ZF Wind Power Corporation,
Coimbatore.



MASTER OF BUSINESS ADMINISTRATION

COURTESY

Ms Monisha K

FACULTY PUBLICATION



Dr. P. Shanmugha Priya,
Associate Professor,
**Published a book
chapter** in the book
titled Changing Indian
Retail Industry.



FACULTY PUBLICATION

JOURNAL OF NORTHEASTERN UNIVERSITY

Volume 25 Issue 04, 2022

ISSN: 1005-3026

<https://dbdxnb.cn/>

Original Research Paper

THE ROLE AND PERFORMANCE OF EXPORT OF TEA FROM INDIAN INSTABILITY AND DEVELOPMENT PERSPECTIVES

Sindhura Kannappan

Research Scholar, Department of Management Studies, University of Madras, Chennai

Dr.P.Shanmugha Priya

Associate Professor, Sri Krishna College of Technology, Coimbatore

G.Subramanyam

Assistant Professor of Commerce, Dept. of B S & H, Sree Vidyaniketan Engineering College,
Tirupati

Dr.Satish M Dhoke

Assistant Professor & Head, Commerce, Moreshwar Arts Science and Commerce College,
Tal. Bhoakardan, Dist. Jalna, Maharashtra

Dr. Uma Shankar

Professor, Accounting Department, College Economics and International Relations,
Catholic University in Erbil, Kurdistan, Iraq

Mr. Cihan Özer.

Department of Business Management, Faculty of Management and Economics, Tshik

Dr.P.Shanmugha Priya, Assistant Professor,
SoM **published a paper in the scopus
indexed journal**

FACULTY PARTICIPATION



Dr. P. Shanmugha Priya,
Associate Professor,
attended a **15 days FDP**
on Financial Modeling



EVENT ORGANIZED



DJ Academy organized an event for MBA students to provide them with a unique opportunity to learn about Teamwork



EVENTS ORGANIZED

SCHOOL OF
MANAGEMENT
KRISH-YUKTHI-
2023



EVENTS ORGANIZED

SCHOOL OF MANAGEMENT KRISH-YUKTHI- 2023



EVENT ORGANIZED



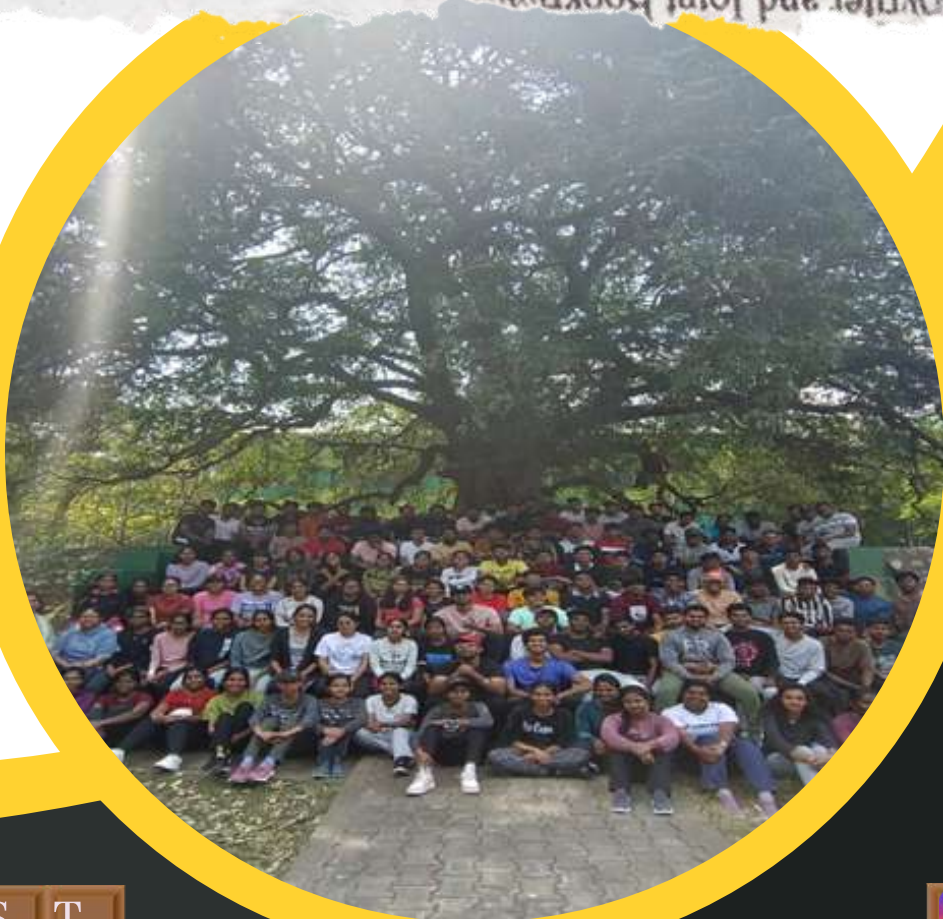
BIZEX Innovative
Entrepreneurs
Event

BIZEX

OUTBOUND TRAINING



...erwriter and Joint Bookrunner





SCIENCE AND HUMANITIES

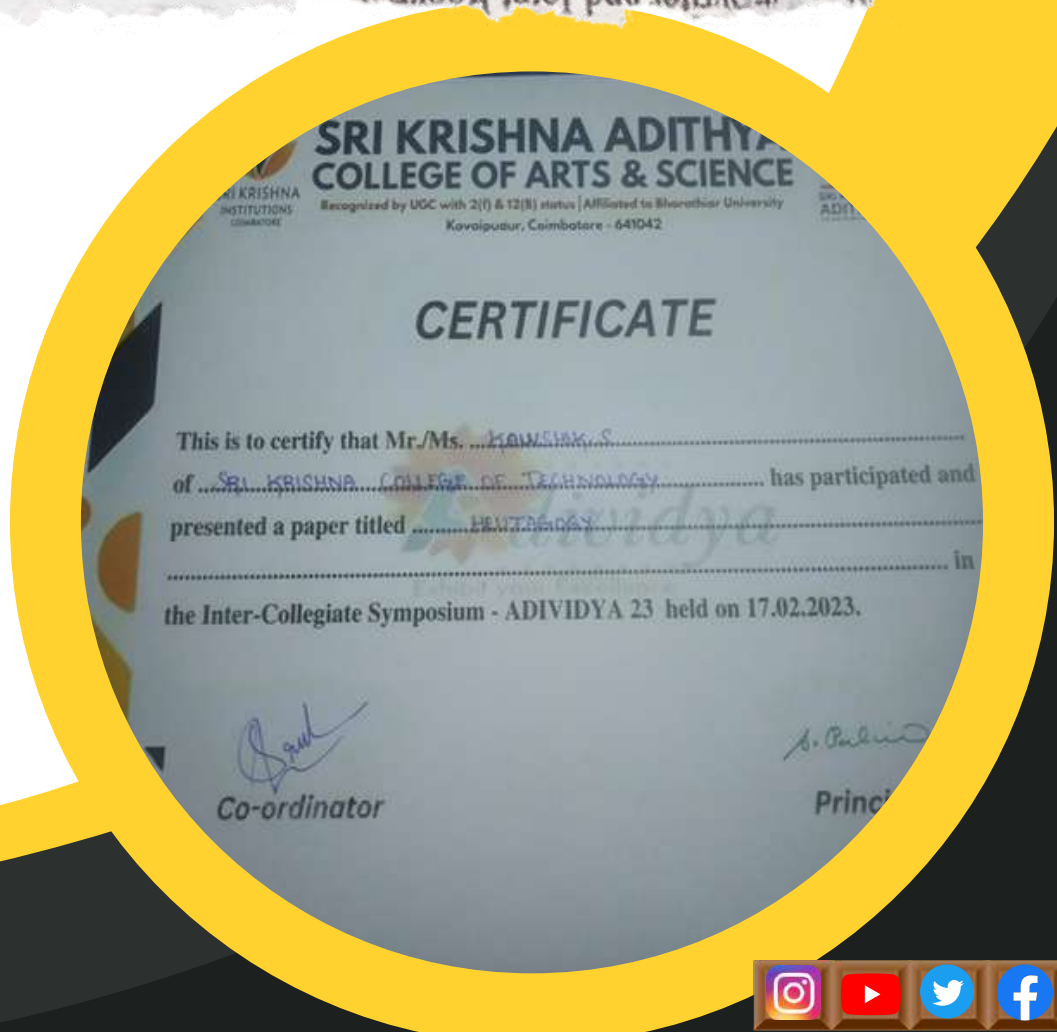
COURTESY

Dr KOGILAVANI B

STUDENTS PARTICIPATION



Mr P Kisshore
Raja P, Mr S
Kowsik B.,
1st year
**Participated
in
Paper
Presentation**



STUDENTS PARTICIPATION



Mr Dheena Sai S
and Mr
Babuprasanth R
1st year
Participated
in
Maze Rover @
VASHISHT



STUDENTS PARTICIPATION



Event on
Developing
Social and
Intellectual Skills
with Co-
Curricular
Activities



STUDENT PARTICIPATION



Ms R Nishanthi
received the
**Poetry Award for
Memories**

POETRY

STUDENTS PARTICIPATION



STUDENTS PARTICIPATION



Ms. Sanmidha, Mr. Sanjay Kumar and Mr. Madhan Sundhar of 1st year participated in **PAPER PRESENTATION** @ Karpagam Academy of Higher Education



STUDENTS PARTICIPATION



Mr. Kisho Varma, M Mr. Mithilesh K, Mr. Naghul Pranav K G, and Mr. Sanjay Kumar S of 1st year **participated in paper presentation** at Bannari Amman Institute of Technology, Sathyamangalam



FACULTY PUBLICATION

Self-identity and Diasporic sufferings in Bharati Mukherjee's *Jasmine*

Dr. N. Venugopal,

Associate Professor, Sri Krishna College of Technology,
Coimbatore-641042 Mobile: 9688748345. venugopal.n@skcet.edu.in

Abstract

Identity is integral to every human being, whereby a person locates oneself in society and culture. However, in the case of immigrants, many undergo identity predicaments as part of their adjustments to the host society. Bharati Mukherjee's '*Jasmine*' is the story of a village girl from India who immigrates to America and undergoes multiple identity predicaments to emphasize her place in American society. This paper explores Jasmine's journey of transformed identities and how she emerges as a survivor and a successful immigrant in America. It also explains why these different identities are integral to her survival as an immigrant.

Keywords: Identity, Transformations, Immigrant, Survival, Predicament

Introduction

Bharati Mukherjee is an author who investigates the significance of life through her fiction. Issues identified with women are primary to the vision of Mukherjee in her works. She primarily focuses on women and manages the issues of the Indian workers. She illustrates the battle of worries and terrible problems by Indian women. The cross-



FACULTY PUBLICATION

Entrenched women rule of the nobility in Gloria Naylor's "The Women of Brewster Place."

Dr. B. Kogilavani

Assistant Professor in English, Sri Krishna College of Technology,
Coimbatore- 641042 kogilavani.b@skct.edu.in

Abstract

Gloria Naylor, a well-known novelist of African American descent, developed her style as a woman and a writer of dark women's essays with absurd characteristics of extraordinary quality in African American writing. Through her collection of works, she has consistently outlined her image of the future in which people resist cunning oppressors and a miserable existence based on imagination. She is correctly viewed as having defended women's rights and other societal problems. In particular, Naylor's portrayal of how African American lives has changed in a Caucasian, male-dominated culture and a minority woman. In her novel *The Women of Brewster Place*, Naylor describes the plight of a highly challenging lady of the century who longs to leave her dulling role in the spotlight and is satisfied with her male companion on a sense of balance. The characters in Naylor's work perfectly depict a survivor and a struggler.

Keywords: Discrimination against men, bigotry, exploitation, feminism, and injustice.

Gloria Naylor, a renowned Afro-American novelist, carved out a unique place for herself in Afro-American literature as a female author who is also black. Through her



FACULTY PARTICIPATION

5-DAY INTERNATIONAL WEBINAR SERIES

on
Enhancing Methods of Teaching, Learning, and Researching in
English Language and Literature



CERTIFICATE

This is to certify that **Dr B KOGILAVANI**

Assistant Professor, Sri Krishna College of Technology

participated in the 5-Day International Webinar Series on "Enhancing Methods of Teaching, Learning, and Researching in English Language and Literature" organized by the Department of English, Sri Krishna Adithya College of Arts and Science, Tamil Nadu in collaboration with ELTAI-CIETTA from 19 January 2023 to 24 January 2023.

Dr.B.Kogilavani, Assistant Professor,
Participated in a **5 Day International Webinar Series**

Principal, SKACAS

President, ELTAI - CIETTA

FACULTY CERTIFICATION

Page 2

AN ANTHOLOGY OF MODERN ENGLISH

AGAR

Published by



Association of Global Academicians and Researchers (AGAR)

Appreciation Certificate

This is to certify that **Dr B.KOGILAVANI** of **Sri Krishna College of Technology, Tamil Nadu** has taken part and Contributed a poem in the "AN ANTHOLOGY OF MODERN ENGLISH POETRY-2023" (ISBN - 978-93-91387-10-5) entitled **Memories** Published by Association of Global Academicians and Researchers, Tamil Nadu on 27-01-2023. This work is highly appreciable.

Date: 4-12-2022

Certificate ID: WFCWJW-CE000196



Dr. I. NIYAS

Page 2



ST FRANCIS DE SALES COLLEGE

Permanently Affiliated to Bangalore University || AICTE Approved | Electronic City, Bangalore

Reaccredited by NAAC with 'B++' Grade || Recognised under section 2(f) & 12(b) of the UGC Act || An ISO 9001: 2015 Certified

A FRANCISIAN INSTITUTE OF HIGHER LEARNING

Research and IP Cell

National Webinar

on

"Research Paper Publication in Scopus Indexed Journals"

Certificate of Participation

This is to certify that **Dr B Kogilavani** of **Sri Krishna College of Technology, Tamil Nadu** participated in the National webinar on "Research Paper Publication in Scopus Indexed Journals" organised by the Research and IP Cell, St Francis De Sales College, on 11th February, 2023.



P.
Dr.R

FACULTY CERTIFICATION

Page 2



FACULTY OF PHARMACY KARPAGAM ACADEMY OF HIGHER EDUCATION



(Deemed to be University)
(Established Under Section 3 of UGC Act, 1956)
Pollachi Main Road, Eachanari, Post, Coimbatore - 641021, Tamilnadu, India.

CERTIFICATE OF APPRECIATION

Presented to

Ms. B. PAVITHRA

for sharing her valuable knowledge in Seminar on the topic
"Innovation in Communication to be better Pharmacists"
on January 27, 2023.


IIC COORDINATOR


DEAN

Page 2



Researcher Academy On Campus Certificate of Attendance

This certifies that

NALINI NAMASIVAYAM

has attended the following

**Write Your Thesis Using Mendeley - Tactics to manage
references for Researcher (60 minutes)**

at Hybrid Mode / Seminar Hall, Block - A, AUMP,
on Monday 06 February, 2023

Presented by Mendeley Advisor Dr. Kuldeep Singh Mendeley Advisor



Suzanne BeDell
Managing Director, Education
Reference & Continuity Books



Laura Hassink
Managing Director, Science,
Technology & Medical Journals

FACULTY PARTICIPATION



Dr V Parimala,
Assistant Professor
acted as a **Resource
Person** and handled
a session in **Math
Modeling and
Computing**
organized by Pollachi
Institute of
Engineering and
Technology

**MATH
MODELING**
BUILDING THE MODEL:
What is Mathematical Modeling?

EVENT ORGANIZED

Seminar for 1st
year Students
on
“**Communication Skills for
Global Engineers**”



EVENT ORGANIZED



Faculty Development Programme on
“Essential Advanced of Research Methodology”





SPORTS

INTRAMURAL SPORTS



INTRAMURAL SPORTS



STUDENT CORNER - POETRY

MEMORIES

YOU HOLD A PLACE
DEEP IN MY HEART
NEITHER FADE NOR VANISH
SOMETIMES FLASH IN MY MIND
MAKES ME LIGHTEARTED
SOMETIMES MAKES ME EXHAUSTED.

THE FACT THAT, YOU ARE NO LONGER
BUT THE MEMORIES OF YOU
MAKES ME HAPPIER.

OUR LIFE IS SOAK IN MEMORIES
THE WAY WE SEE, MAKE US GOOD
IT'S ALL UP TO YOUR "MEMORIES"

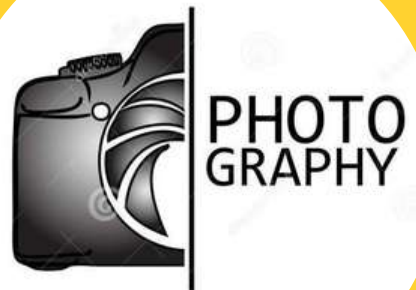
By
R. NISHANTHI EEE "B"

KODAK PORTRA 400

53

.400

STUDENT CORNER - PHOTOGRAPHY



STUDENT CORNER - PHOTOGRAPHY



SUKT DIGEST

Taj Mahotsav

FEBRUARY SPECIALITY

TH TH
08-27

Taj Mahotsav

is an annual 10-day (from 18 to 27 February) event at Shilpgram in Agra, India. This festival is inspired by the old Mughal era and nawabi style prevalent in Uttar Pradesh in the 18th and 19th centuries.

About 400 artisans from different parts of India display their works of art.



CHIEF EDITOR

Dr P MANJU
DEAN ACADEMICS AND
STUDENT AFFAIRS

FACULTY EDITORS

Mr SIVARAMAN P AP/MECH
Mr PRABHU M K AP/MECH
Ms B PAVITHRA AP/S&H

STUDENT EDITOR

Mr LOKESH T [ADS]

thank you

