SKCT

DIGEST

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SPECIAL ISSUE - 84



EDITOR - IN - CHIEF

Dr V Sreevidya, Principal In-Charge

EDITORIAL TEAM

Ms S Soundarya, CSE

Ms S Thenmozhi, ECE

Ms B Pavithra, S&H

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SKCT INSTITUTION'S INNNOVATION COUNCIL (IIC)





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SKCT – INSTITUTION'S INNOVATION COUNCIL (IIC) | MENTOR-MENTEE ORIENTATION CUM | MENTORING SESSION



The Ministry of Education's Innovation Cell has selected Sri Krishna College of Technology, Coimbatore as one of the "Mentor Institute." SKCT fosters the culture of innovation for Arunai Engineering College, Tiruvannamalai, Sengunthar College of Engineering, Namakkal, Tagore Institute of Engineering and Technology, Salem and Ahalia School of Engineering and Technology, Kerala under the Mentor-Mentee Programme.

SKCT – INSTITUTION'S INNOVATION COUNCIL (IIC) | MENTOR-MENTEE ORIENTATION CUM | MENTORING SESSION







Mentor Institution: Sri Krishna College of Technology, Coimbatore.

Welcomes & Support

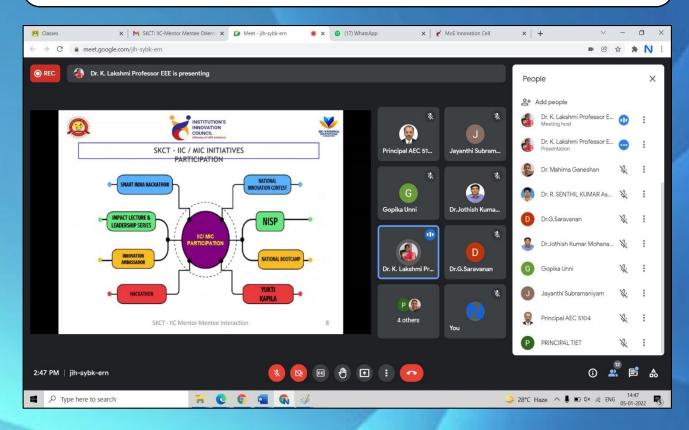


Mentee Institutions:

- 1. Arunai Engineering College, Tiruvannamalai.
- 2. Sengunthar College of Engineering, Namakkal.
- 3. Tagore Institute of Engineering and Technology, Salem.
- 4. Ahalia School of Engineering & Technology, Kerala.

The "Mentor-Mentee Orientation cum Mentoring Session" was organised for the above mentioned 4 Mentee Institutions, facilitated by Dr V Sreevidya, Principal In-charge and IIC President, Dr K Lakshmi, Vice-President (IIC), Professor and Head, Dept. of EEE and Key Functionaries of IIC on 05 January 2022.

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ALUMNI CORNER





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ECE | ALUMNUS CORNER | BEST CREATIVE GAME DESIGNER



Mr Sriprakash S, Alumnus (Batch 2017-2021), Dept. of ECE has been recognised as the "Best Creative Game Designer" by Trainee Game Designer, HFG Entertainments Private Limited, Chengalpat on 31 December 2021.

STUDENTS' PARTICIPATIONS





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ECE | STUDENT ACHIEVEMENT | SMART AUTOMATION EVENT | SECOND PLACE



BANNARI AMMAN

INSTITUTE OF TECHNOLOGY

An Autonomous Institution Affiliated to Anna University, Approved by AICTE, Accredited by NAAC with 'A' Grade



Certificate of Participation
BIT TECHFEST 2021

SMART AUTOMATION

NATIONAL LEVEL VIRTUAL TECHNICAL EVENT



This is to certify that

KARTHIKEYAN G of SRI KRISHNA COLLEGE OF TECHNOLOGY

has won **Second Place** in the SMART AUTOMATION event, a National Level Virtual Technical event organized by Mobile and Web Application Development Lab, Bannari Amman Institute of Technology on 30th December 2021.

Dr.S.Sundara murthy, ASP/IT



V. Eswaramoortny, AP-II/IT

Co-ordinator

Mr Karthikeyan G, Student of Third B.E. ECE A section, secured the "Second Place in Smart Automation Event" organised by Bannari Amman Institute of Technology, Sathyamangalam on 30 December 2021.

ECE | STUDENT ACHIEVEMENT | RENAC'21 | NATIONAL LEVEL PROJECT CONTEST | THIRD PLACE



Bannari Amman Institute of Technology

(An Autonomous Institution, Affiliated to Anna University Chennai

Sathyamangalam





Certificate of merit

BIT TECH FEST 2021

RENAC'21



A NATIONAL LEVEL VIRTUAL PROJECT CONTEST

This is to certify that Mr.KARTHIKEYAN G, of sri krishna college of technology has secured third place in a RENAC'21 - A

NATIONAL LEVEL VIRTUAL PROJECT CONTEST and presented a project entitled Agricultural, horticultural and rural

development using transparent solar cells organized by **Renewable Energy and HVAC Laboratory**, Bannari Amman Institute of Technology, Sathyamangalam on 23-12-2021.

PROF. PRAKASH K B
PROF. SUNDAR S
Organizer (mach Snasial lab inshares Dags PDS

This is an Electronic Congratual and the state of the s

scan to verify

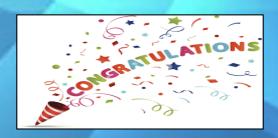
Mr Karthikeyan G, Student of Third B.E. ECE A section, secured the "**Third Place in RENAC'21,"** a National level Project Contest organised by Bannari Amman Institute of Technology, Sathyamangalam on 23 December 2021.

MECH | PLACEMENT | LMW DRIVE









Mr Abishek Roshan R S and Mr Sri Hari A R, Students of Final B.E. Mechanical Engineering got "**Placement Offer**" in Lakshmi Machine Works limited, Coimbatore on 29 December 2021.

CIVIL | STUDENTS' ACHIEVEMENTS | SRM SMART e-HACKATHON CHALLENGE











Mr Logeshwar, Ms Anushya, Mr Sampruth Pirabakar, Ms Jeevitha and Mr Thilakraj, Students of Final B.E. Civil Engineering, secured the Second Place in "Smart e-Hackathon" organised by SRM Institute of Science and Technology, Chennai on 23 December 2021.

S&H | STUDENT ACHIEVEMENT | ESSAY COMPETITION IN CSIR



Ms R Sanchana, Student of First B.Tech. IT B section, participated in "Essay Competition" organised by CSIR-Central Leather Research Institute as a part of India International Science Festival 2021.

ECE & IT | NEO - NERD PROGRAM | NEO EMPLOYABILITY READINESS AND DEVELOPMENT PROGRAM







Ms Saranya M, Student of Third B.E. ECE, Ms Hareni M, Student of Third B.Tech. IT and Mr Aravinth S, Student of Third B.E. ECE, secured Top Three Position in the assessment conducted as a part of "Neo Employability Readiness and Development Program" on 26 December 2021.

IT & ECE | STUDENTS' ACHIEVEMENTS | NEO PAT | WEEKLY ASSESSMENT TEST



Ms Gowshini Balamurugan, Student of Third B.Tech. IT, Ms M Saranya, Student of Third B.E. ECE C section and Ms Jenifer C, Student of Third B.E. ECE A section, secured the "**Top Three Position**" in the Weekly Assessment Test 14 conducted by NEO PAT.

FACULTY PARTICIPATIONS





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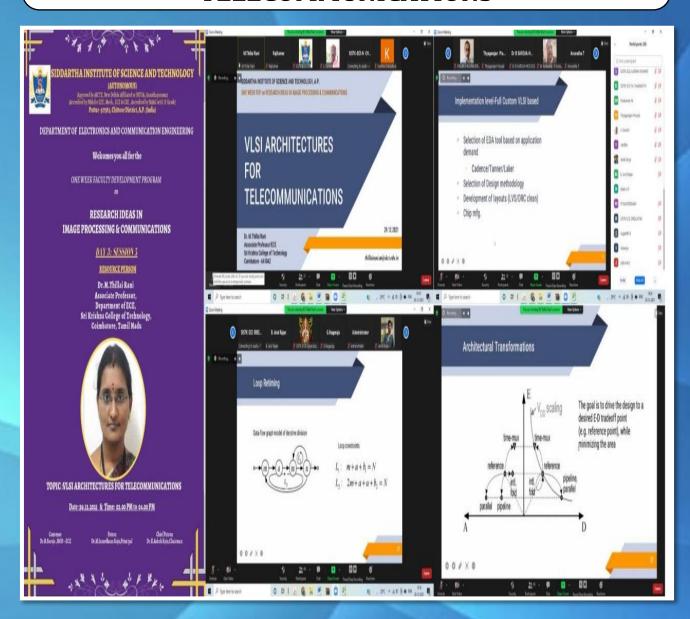
Som | FACULTY ACHIEVEMENT | RESOURCE PERSON | EMPLOYABILITY SKILLS ENHANCEMENT PROGRAMME





Mr Mayilrajan, Asst. Professor, School of Management, served as a Resource Person for a seminar on **"Employability Skills" Enhancement"** organised by Sree Narayanaguru Institute of Management Studies, Coimbatore on 21 December 2021.

ECE | FACULTY ACHIEVEMENT | GUEST LECTURE DELIVERED | VLSI ARCHITECTURES FOR TELECOMMUNICATIONS



Dr M Thillai Rani, Asst. Professor, Dept. of ECE, delivered a Guest Lecture in an FDP on "VLSI Architectures for Telecommunications" organised by the Dept. of ECE, Siddartha Institute of Science and Technology, Puttur, Andhra Pradesh on 29 December 2021.

CSE | PAPER PRESENTATION | INTERNATIONAL CONFERENCE ON RECENT TRENDS IN APPLIED SCIENCES AND COMPUTING ENGINEERING (RTASCE) 2021



Dr N Krishnaraj, Asst. Professor, Dept. of CSE, presented a paper on "Detecting Offensive Languages using En-hanced Artificial Neural Network Ensemble" in an International Conference on Recent Trends in Applied Sciences and Computing Engineering (RTASCE 2021) organised by VIT, Bhopal on 18 December 2021.

IT | PAPER PRESENTATION | AN EFFICIENT IMAGE TRANSMISSION SYSTEM USING DISCRETE WAVELET TRANSFORM AND 2D HAAR WAVELET TRANSFORM



Ms D Ranjani, Asst. Professor, Dept. of IT, presented a paper on "An Efficient Image Transmission System using Discrete Wavelet Transform and 2D Haar Wavelet Transform" in AICTE sponsored International Conference on Machine Intelligence and Green Computing organised by KIT during 10-11 December 2021.

ECE | FACULTY ACHIEVEMENT | PROGRAM COMMITTEE MEMBER AND REVIEWER

ICCTES 2021





International Conference on Cyber Technologies and Emerging Sciences December 17-18, 2021 https://www.icctes.in

CERTIFICATE OF PARTICIPATION

Lecture Notes in Networks and Systems Scopus

DR. ANJU ASOKAN

participated as a

Program Committee Member and Reviewer

in the International Conference on Cyber Technologies and Emerging Sciences held during December 17-18, 2021 in India.

CONVENER

Prof. (Dr.) M. C. Lohani

CO-CONVENER

Dr. Sandeep Kumar Budhani

maurys RGANIZING SECRETAR

Graphic Era

ORGANIZING SECRETARY Dr. Sudhanshu Maurya

Organised by
School of Computing, Graphic Era Hill University, Bhimtal Campus,
Uttarakhand, India

PROGRAM COMMITTEE
MEMBER

REVIEWER

Dr Anju Asokan, Asst. Professor, Dept. of ECE, served as a "Program Committee Member and Reviewer" in an International Conference on Cyber Technologies and Emerging Sciences during 17-18 December 2021.

IT | REVIEWER | INTERNATIONAL CONFERENCE ON ADVANCED NETWORK TECHNOLOGIES AND INTELLIGENT COMPUTING | BANARAS HINDU UNIVERSITY



Dr T Rajeshkumar, Assoc. Professor, Dept. of IT, served as a Reviewer for an International Conference on "Advanced Network Technologies and Intelligent Computing" organised by the Dept. of Computer Science, Institute of Science, Banaras Hindu University, Varanasi during 17-18 December 2021.

CIVIL | FACULTY ACHIEVEMENT | MENTOR CERTIFICATE FOR SRM e-HACKATHON



Mr T P A Aravind, Asst. Professor, Dept. of Civil Engineering, received the "Certificate of Mentorship" for mentoring winning team in Smart e-Hackathon on 23 December 2021.

EEE | ONLINE TRAINING ON ELECTRICAL POWER SYSTEM ANALYSIS USING ETAP (FOR BEGINNERS)



सत्यमेव जयते MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES

MSME-TECHNOLOGY DEVELOPMENT CENTRE (PPDC)

एम0एस0एम0ई० - तकनीकी विकास केन्द्र

Ministry of Micro, Small & Medium Enterprises सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय Government of India Organization भारत सरकार की संस्था Foundry Nagar, Agra-282 006 (U.P.) फाउन्ह्री नगर, आगरा-282 006 (उ030)

प्रमाण पत्र



This is to certify that

DR. G.SOPHIA JASMINE

has successfully completed online training

on

ELECTRICAL POWER SYSTEM ANALYSIS
USING ETAP (FOR BEGINNERS)

from 27.12.2021 to 29.12.2021



DATE: December 30, 2021

PLACE : AGRA



No. PPDC/Trg./OSP/2021-22/21290

S.ELANGO
PRINCIPAL DIRECTOR I/C

Dr G Sophia Jasmine, Assoc. Professor, Dept. of EEE, completed an online training on "Electrical Power System Analysis Using ETAP (For Beginners)" offered through MSME-Government of India during 27-29 December 2021.

MECH | FACULTY PARTICIPATION | AICTE NEAT CELL PROGRAM





The Members of Faculty from the Dept. of Mechanical Engineering attended "AICTE Neat Cell Program" on 03 January 2022.

RESEARCH





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EEE | PATENT FILED



Office of the Controller General of Patents, Designs & Trade Marks Department of Industrial Policy & Promotion, Ministry of Commerce & Industry, Government of India

(http://ipindia.nic.in/index.htm)



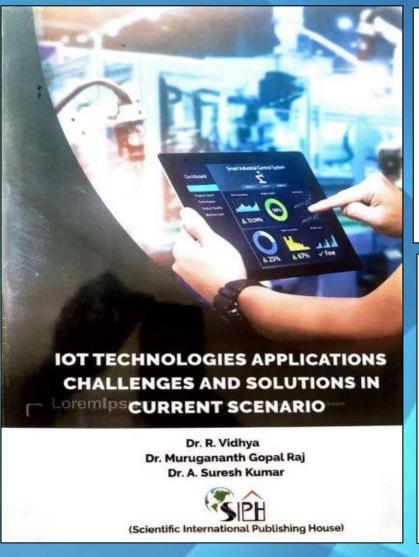
(http://ipindia.nic.in/index.htm)

Application Details	
E	

Application Status		
APPLICATION STATUS	Awaiting Request for Examination	

Dr P Santhosh, Asst. Professor, Dept. of EEE, published a patent on "Artificial Intelligence based No-ball Detection in the Cricket Field" on 10 December 2021. Application Number: 202141053537.

IT | BOOK PUBLISHED | IoT TECHNOLOGIES APPLICATIONS CHALLENGES AND SOLUTIONS IN CURRENT SCENARIO





IoT Technologies
Applications Challenges and
Solutions in Current
Scenario

FIRST EDITION

Authors
Dr. R. Vidhya
Dr. Murugananth Gopal Raj
Dr. A. Suresh Kumar Arumugam



Dr R Vidhya, Asst. Professor, Dept. of IT, published a Book on "IoT

Technologies Applications Challenges and Solutions in Current

Scenario" in Scientific International Publishing House.

https://sipinternationalpublishers.com/product-

detail.php?PID=NjY=

EEE | PAPER PUBLISHED IN SCI JOURNAL

ENERGY SOURCES, PART A: RECOVERY, UTILIZATION, AND ENVIRONMENTAL EFFECTS https://doi.org/10.1080/15567036.2021.2009064



A simplified methodology for renewable energy integration and harmonic current reduction in hybrid micro grid

Senthil Kumar Ramu (6°, Gerald Christopher Raj Irudayaraj (6°), Suresh Kalichikadu Paramasivam (6°, Ramesh Murugesan (6°, Suresh Muthusamy (6°), Suma Christal Mary Sundararajan (6°, Hitesh Panchal (6°), Kishor Kumar Sadasivuni (6°), and Radhe Shyam Meena @h

"Department of Electrical and Electronics Engineering, Sri Krishna College of Technology (Autonomous), Coimbatore, India; "Department of Electrical and Electronics Engineering, PSNA College of Engineering and Technology, Dindigul, Tamil Nadu, India; "Department of Electrical and Electronics Engineering, M.Kumarasamy College of Engineering (Autonomous), Karur, India; "Department of Electronics and Communication Engineering, Kongu Engineering College (Autonomous), Erode, India; "Department of Information Technology, Panimalar Institute of Technology, Chennai, Ladia; (Popular of Machanical Engineering College, Panimalar Institute of Technology, Chennai, India; 'Department of Mechanical Engineering, Government Engineering College, Patan, India; 'Centre for Advanced Materials, Qatar University, Qatar; 'Technical Expert (IREDA/World Bank), Ministry of New and Renewable Energy, New

ABSTRACT

Due to advancements in power electronics devices and the support of improvements on both the power supply and load sides, Distributed Energy (DG) is rapidly being connected to the grid in the form of AC/DC Hybrid Micro-Grid (HMG). The development will result in a substantial change in the network topology, new design problems for the micro-grid control unit, and new requirements for the simulation testing laboratory. The Bidirectional AC-DC converter (BAC) is necessary for hybrid microgrids to provide voltage stableness and power equilibrium between the AC and DC grids. To suppress the harmonic current control approach, an enhanced Fryze-Buchholz Depenbrock (FBD) current harmonic detection technique is integrated with droop control in this paper. This proposed system not only performs the power transformation but also minimizes harmonics. While considering non-linear load, the proposed system yields the control ability for regulating the converter to eliminate the harmonics of 74.41% in the grid current. While incorporating the HMG in the proposed system, the control current. While incorporating the HMG in the proposed system, the control strategy decreases 90.3% and 89.4% of reactive power in both linear and non-linear loads. The obtained simulation results are used to confirm the feasibility and effectiveness of the control scheme.

ARTICLE HISTORY Received 4 September 2021 Revised 16 November 2021 Accepted 17 November 2021

KEYWORDS

REYWORDS Active power filter; bidirectional power converter; distributed generation; harmonic current detection; droop control; time domain power theory

Introduction

The growing energy demand and consumption of electrical energy have moved existing power systems into DG. Wind and solar power production have increased in recent years. Also, hybrid systems can provide higher reliability and quality power to consumers (Li et al. 2018). The DG decreases the requirement for long-distance power transmission. Micro-grids are an innovative type of tiny and autonomous power system junction and have become well known nowadays (Kanase-Patil et al. 2020)-(Ramu et al. 2021). A micro-grid can be formed by connecting a small modular resource such as

CONTACT Senthil Kumar Ramu senthilme90@gmail.com Assistant Professor, Department of Electrical and Electronics Engineering, Sri Krishna College of Technology (Autonomous), Coimbatore, Tamil Nadu, India; Hitesh Panchal engineering Senting © 2021 Taylor & Francis Group, LLC

Dr R Senthil Kumar, Asst. Professor, Dept. of EEE, published a paper on "A Simplified Methodology for Renewable Energy **Integration and Harmonic Current Reduction in Hybrid Micro Grid**" in SCI Journal of Energy Sources, Taylor & Francis. https://www.tandfonline.com/doi/full/10.1080/15567036.2021.

2009064.

CSE | PAPER PUBLICATION





3rd EAI International Conference on Big Data Innovation for Sustainable Cognitive Computing pp 1-20 | Cite as

A Hybrid Algorithm for Document Clustering Using Optimized Kernel Matrix and Unsupervised Constraints



Part of the <u>CANASPINISE</u> INNOVACIONAL COMMUNICATION AND COMPUTING BOOK SERIES (CANACE

Abstract

Document clustering plays a dominant role in data mining, and grouping of data makes information retrieval easier. Significant information can be mined from a collection of documents by clustering them effectively. Several researches that concentrate on clustering documents are available in the literature. In the former works, document clustering is performed by using methodologies such as Term Weight-based Hybridized Harmony K-Means (TW-HHKM) and Coverage Factor-based Hybridized Harmony K-Means (CF-HHKM) searches. Clustering is normally performed using K-means algorithm, and cluster centroids are optimally found by using Harmony Search Algorithm (HSA). The main challenge faced by the existing methods is the reduced accuracy as unrelated documents may be grouped together. To overcome this problem, Novel Feature Weighting and Feature Selection-based Hybrid Scheme for Document Clustering (NFW-FS-HSDC) with optimized and unsupervised constraint kernel matrix K-means and Harmony Search Method (HSM) is introduced for accurate clustering of documents. The weights of the data instance and softness parameter decide the performance of

Dr S Siamala Devi, Dr M Deva Priya, Assoc. Professors, Ms Poorani G, Ms Padmavathi S and Ms Niveditha G, Asst. Professors, Dept. of CSE, published a paper on "A Hybrid Algorithm for Document Clustering Using Optimized Kernel Matrix and Unsupervised Constraints" in EAI/Springer Innovations in Communication and Computing Book Series (EAISICC), ISBN: 978-3-030-78749-3, January 2022. DOI: https://doi.org/10.1007/978-3-030-78750-

<u>91</u>.

CSE | PAPER PUBLICATION



Springer Link



Improved Rider Optimization Algorithm-Based Link Aware Fault Detection (IROA-LAFD) Scheme for Securing Mobile Ad Hoc Networks (MANETs)

Sengathir Janakiraman, _{M. Deva} p_{riva} 🖂 . G. Aishwaryalakshmi, T. Suganya, S. Sam Peter, S. Karthick, A. Christy Jeba Malar

Conference paper

First Online: 01 January 2022

Part of the EAI/Springer Innovations in Communication and Computing book series (EAISICC)

Abstract

Securing communication in a dynamic network like Mobile Ad hoc Network (MANET) is considered as a crucial and demanding task. A number of diversified works are developed in the literature for mitigating harmful attacks that degrade the performance of the network. Faulty links need to be detected for attaining better performance in terms of reliability and availability of mobile nodes in the network. Moreover, attacks need to be detected through a single stage attack detection process in a proactive way for guaranteeing quality of service in the network. However, the detection accuracy of most of the existing approaches in the literature still possess room for improvement. In this paper, Improved Rider Optimization Algorithm-based Link Aware Fault Detection (IROA-LAFD) scheme is proposed for facilitating security by mitigating grey hole and black hole attacks with enhanced link stability. This IROA-LAFD scheme targets on efficient mitigation of packet dropping based on the steps that include the discovery of neighbour and route, detection of attack, analysis of links, transmission of secure

Dr M Deva Priya, Assoc. Professor, Ms T Suganya and Mr S Sam Peter, Asst. Professors, Dept. of CSE, published a paper on "Improved Rider Optimization Algorithm-based Link Aware Fault Detection (IROA-LAFD) Scheme for Securing Mobile Ad Hoc Networks (MANETs)" in EAI/Springer Innovations in Communication and Computing Book Series (EAISICC), ISBN: 978-3-030-78749-3, January 2022. DOI: https://doi.org/10.1007/978- 3-030-78750-9 11.

CSE | PAPER PUBLICATION





3rd EAI International Conference on Big Data Innovation for Sustainable Cognitive Computing pp 101-116 | Cite as

Emperor Penguin Optimization Algorithm and M-Tree-Based Multi-Constraint Multicast Ad Hoc On-Demand Distance Vector Routing Protocol for MANETs

Authors and affiliations Authors M. Deva Priya, M. Rajkumar, S. Karthik, A. Christy Jeba Malar 🖂 , R. Kanmani, G. Sandhya, P. Anitha Rajakumari Conference paper First Online: 01 January 2022

Part of the EAI/Springer Innovations in Communication and Computing book series (EAISICC)

Abstract

Multicast based routing in ad hoc networks is considered essential for attaining reliable data dissemination. However, trusted data transmission can be achieved by using optimal multicast trees that aid in better performance of the network. Further, prolonging network lifetime is yet another issue that needs to be concentrated for sustained connectivity. In this chapter, Emperor Penguin Optimization Algorithm and M-Tree-based Multicast Ad hoc On-demand Distance Vector Routing (EPOA-MT-MAODV) protocol is proposed for optimal selection of multicast routes for enhancing the lifetime of the network. This proposed EPOA-MT-MAODV protocol utilizes the merits of exploitation and exploration inherited from Emperor Penguin Optimization Algorithm (EPOA) with the estimation of multifactor, path inclusion and destination. It focuses on delay, minimum distance, link stability and energy for optimal selection of optimal tree. The simulation results of the proposed EPOA-MT-MAODV protocol confirm better performance in terms of energy consumption and Link Lifespan Time (LLT) for

Dr M Deva Priya, Assoc. Professor and Ms G Sandhya, Asst. Professor, Dept. of CSE, published a paper on "Emperor Penguin Optimization Algorithm and M-Tree-based Multi-constraint **Multicast Ad Hoc On-demand Distance Vector Routing Protocol** for MANETs" in EAI/Springer Innovations in Communication and Computing Book Series (EAISICC), ISBN: 978-3-030-78749-3, January 2022. DOI: https://doi.org/10.1007/978-3-030-78750

CIVIL | TNSCST DIT SCHEME | PROPOSAL ON SOLAR POWERED SMART DRIP IRRIGATION SYSTEM

TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

(An Autonomous body of Govt. of Tamilnadu) DOTE Campus, Chennai - 600 025

APPLICATION FOR GRANT UNDER THE SCHEME DISSEMINATION OF INNOVATIVE TECHNOLOGY (DIT)

Under this scheme, innovative technologies are to be disseminated by educational / research institutions of our state through training / workshop program for the benefit of target groups such as farmers, fishermen & women, self help group members and others. A sum of Rs.50,000/- may be provided for one programme with beneficiaries of about 25 to 50 with a duration of 3-5 days. Two copies of proposals may be submitted to "The Member Secretary, Tamilnadu State Council for Science and Technology, DOTE Campus, Chennai - 600 025" on or before 31,12,2021.

MEMBER SECRETARY

PART-I GENERAL INFORMATION & DETAILS OF THE PROGRAMME

Programme Title : Solar-powered smart drip irrigation system

2. Broad Subject Area : Irrigation Engineering

3. Implementing Agency

a. Name of the Agency : Sri Krishna College of Technology

b. Complete address with pincode : Arivozhi Nagar, Kovaipudur,

Coimbatore - 641042

: 9566775418; 0422-2984567;

c. Phone No.; Fax; E-mail padmanaban.i@skct.edu.in

: 1.Dr.I.Padmanaban,

2.Dr.M.Lenin Sundar

Name and address of Co- 3. Dr.V.Sathish Kumar

Dr I Padmanaban, Professor and Head, Dr M Lenin Sundar Professor and Dr V Sathish Kumar, Asst Professor, Dept of Civil Engineering, submitted a proposal on "Solar Powered Smart Drip Irrigation System" under TNSCST – DIT Scheme on 30 December 2021.

CIVIL | TNSCST DIT SCHEME | PROPOSAL ON SOLAR POWERED SMART DRIP IRRIGATION SYSTEM

TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

(An Autonomous body of Govt. of Tamilnadu)

DOTE Campus, Chennai - 600 025

APPLICATION FOR GRANT UNDER THE SCHEME DISSEMINATION OF INNOVATIVE TECHNOLOGY (DIT)

Under this scheme, innovative technologies are to be disseminated by educational / research institutions of our state through training / workshop / awareness program for the benefit of target groups such as farmers, fishermen & women, self_help group members and others. A sum of Rs.50,000/- may be provided for one programme with beneficiaries of about 50 to 100 with a_duration of 3-5 days. Two copies of proposals_may be submitted to "The Member Secretary, Tamilnadu State Council for Science and Technology, DOTE Campus, Chennai - 600 025" on or before 31.12.2021.

PART-I GENERAL INFORMATION & DETAILS OF THE PROGRAMME

1. Programme Title : Economic Empowerment of rural women through

Low cost bamboo cultivation and Ecofriendly

Bamboo Products.

Broad Subject Area

Implementing Agency

a. Name of the Agency : Sri Krishna College of Technology

b. Complete address with pincode : Sri Krishna College of Technology, Kovaipudur,

Coimbatore-42

c. Phone No.; Fax; E-mail : 0422- 2984567, principal@skct.edu.in

4. Name and address of Co-ordinator of the Programme

Dr.J. Padmanahan, Professor & Head Mr. R. Ramesh, Assistant professor

Mr.T.P.A. Arayind Assistant professor

Duration & Total Cost : 5 Days, Rs.1,10,000

6. Programme Summary

In response to Plastic ban and alternative material usage by government, our institution would like to host an intensive 5 day Skill development training program Bamboo Cultivation and Product Development to facilitate the women Homemaker community to increase their standard of living. The sessions will be interactive and practical oriented classes which cover main topics like importance of bamboo cultivation, its environmental importance, plantation, periodical maintenance and

Dr I Padmanaban, Professor and Head, Mr R Ramesh and Mr T P A Aravind, Asst Professors, Dept. of Civil Engineering, submitted a proposal on "Economic Empowerment of Rural Women through Low Cost Bamboo Cultivation and Ecofriendly Bamboo Products" under TNSCST – DIT Scheme on 30 December 2021.

NEW VISTAS OF LEARNING





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ECE | FDP ON RECENT TRENDS AND CHALLENGES IN ROBOTICS AND AUTOMATION





Department of Mechatronics Engineering
Manipal University Jaipur

Certificate of Participation

This is to certify that Mr/Ms/Dr Anju Asokan from Sri Krishna College of Technology has actively participated in Five Day National Faculty Development Program on 'Recent Trends and Challenges in Robotics and Automation (RTCRA-21)' from 13th Dec 2021 to 17th Dec 2021 organized by Department of Mechatronics Engineering, Manipal University Jaipur, Rajasthan, India.

Sarpord

Dr Shiva Prasad H C Director, SAMM Manipal University Jaipur

Dr Shahbaz A. Siddiqui HoD, Department of Mechatronics Engg. Manipal University Jaipur

Roja Rout

Dr Raja Rout Coordinator RTCRT-21 Manipal University Jaipur

Dr Anju Asokan, Asst. Professor, Dept. of ECE, attended a Five-day FDP on "Recent Trends and Challenges in Robotics and Automation" organised by Manipal University, Jaipur during 13-17 December 2021.

MECH | FDP ON FABRICATION, CHARACTERIZATION AND STRENGTHENING MECHANISM OF COMPOSITES



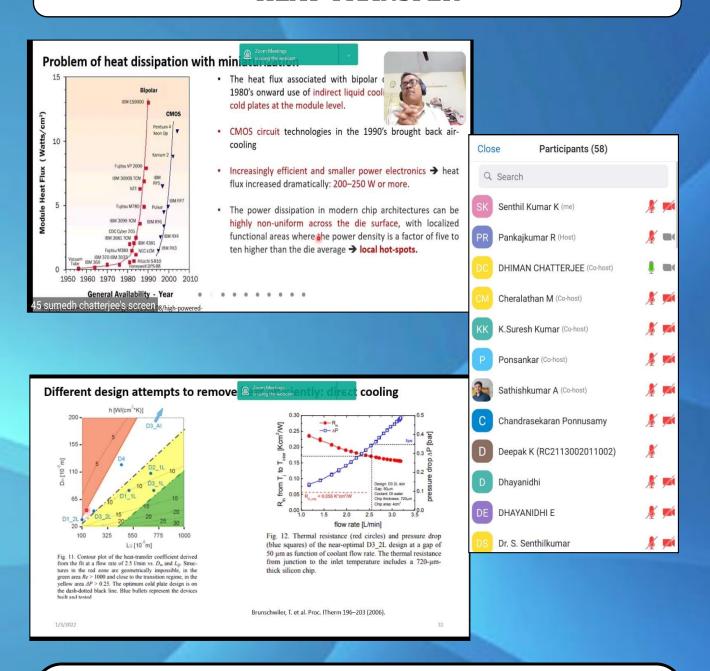
Mr K Umanath, Asst. Professor, Dept. of Mechanical Engineering, attended a One-week online FDP on "Fabrication, Characterization and Strengthening Mechanism of Composites" organised by AMET University, Chennai during 13-18 December 2021.

CSE | ATAL FDP ON ARTIFICIAL INTELLIGENCE IN IMAGE PROCESSING



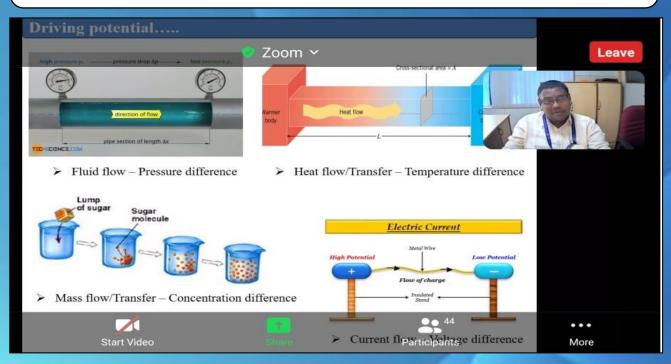
Mr S Sam Peter, Asst. Professor, Dept. of CSE, completed the ATAL Faculty Development Programme on "Artificial Intelligence in Image Processing" organised by IIT Nagpur during 20-24 December 2021.

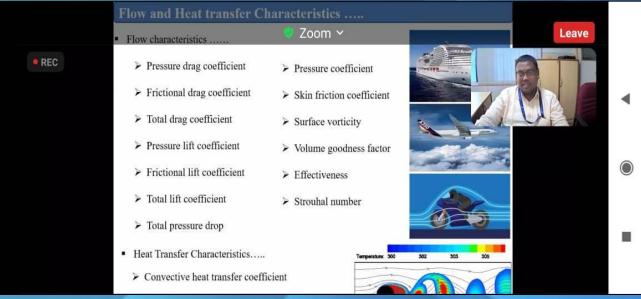
MECH | FDP ON ADVANCES IN FLUID FLOW AND HEAT TRANSFER



Mr K Senthil Kumar, Asst. Professor, Dept. of Mechanical Engineering, attended a Day-1 session in a 6-day online FDP on "Advances in Fluid flow and Heat Transfer" organised by SRM Institute of Science and Technology, Chennai on 03 January 2022.

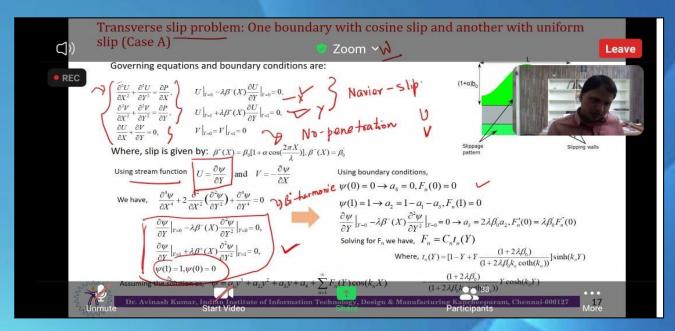
MECH | FDP ON ADVANCES IN FLUID FLOW AND HEAT TRANSFER

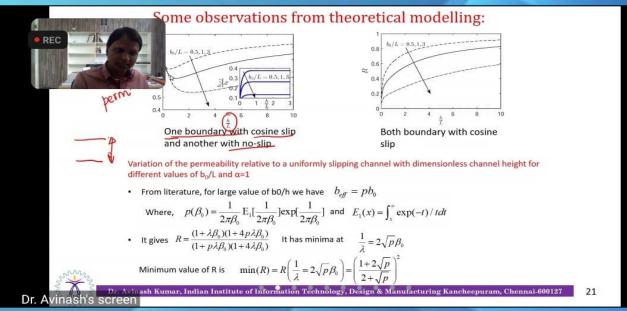




Mr K Senthil Kumar, Asst. Professor, Dept. of Mechanical Engineering, attended a Day-2 session in a 6-day online FDP on "Advances in Fluid Flow and Heat Transfer" organised by SRM Institute of Science and Technology, Chennai on 04 January 2022.

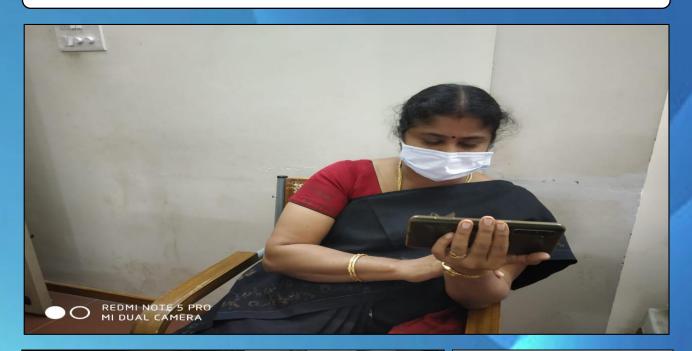
MECH | FDP ON ADVANCES IN FLUID FLOW AND HEAT TRANSFER





Mr K Senthil Kumar, Asst. Professor, Dept. of Mechanical Engineering, attended a Day-3 session of 6-day online FDP on "Advances in Fluid Flow and Heat Transfer" organised by SRM Institute of Science and Technology, Chennai on 05 January 2022.

S&H | WEBINAR ON BRIDGING GENDER GAP





The Members of Faculty from the Dept. of S&H attended a webinar on "Bridging Gender Gap" facilitated by Prof. Murali, Socrates Studio, organised by Prevention of Sexual Harassment (POSH) Cell, Anna University, Chennai on 05 January 2022.

MEETINGS & DISCUSSIONS





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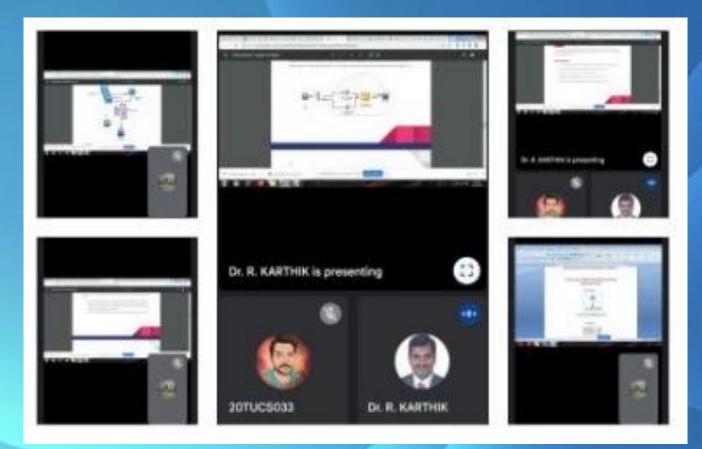


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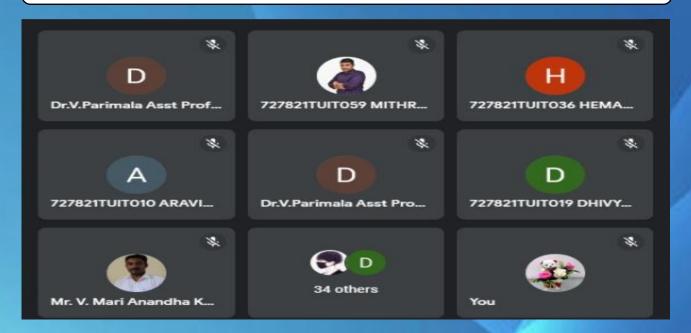
CSE | STARTUP MEETING

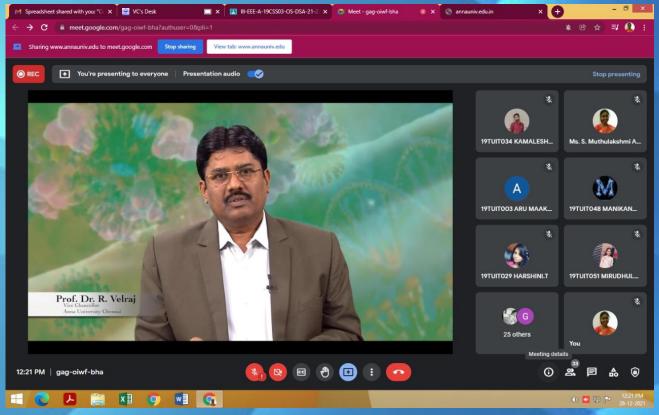




Dr R Karthik, Assoc. Professor, Dept. of CSE, conducted a meeting with the Startup Team Members of the Dept. of CSE on 29 December 2021.

IT | TUTOR WARD SESSION





The Tutors of Second, Third and Final B.Tech. IT conducted a "**Tutor Ward Session**" with their respective wards on 28 December 2021.

IT | DEPARTMENT MEETING





Dr G M Tamilselvan, Professor and Head, Dept. of IT, conducted a meeting with the Members of Faculty regarding Academic Activities for the Students of Second, Third and Final B.Tech. IT, NPTEL Courses, Hostel Details, R&D Activities, etc. on 05 January 2022.

IT | DEPARTMENT MEETING





Dr G Tamilselvan, Professor and Head, Dept. of IT, conducted a meeting with the Members of Faculty regarding Academic Activities, MyKlassroom Entry, Project Work, End Semester Examination, R&D Activities, etc. on 28 December 2021.

OUTREACH ACTIVITIES



Ending Hunger. Enriching Lives.



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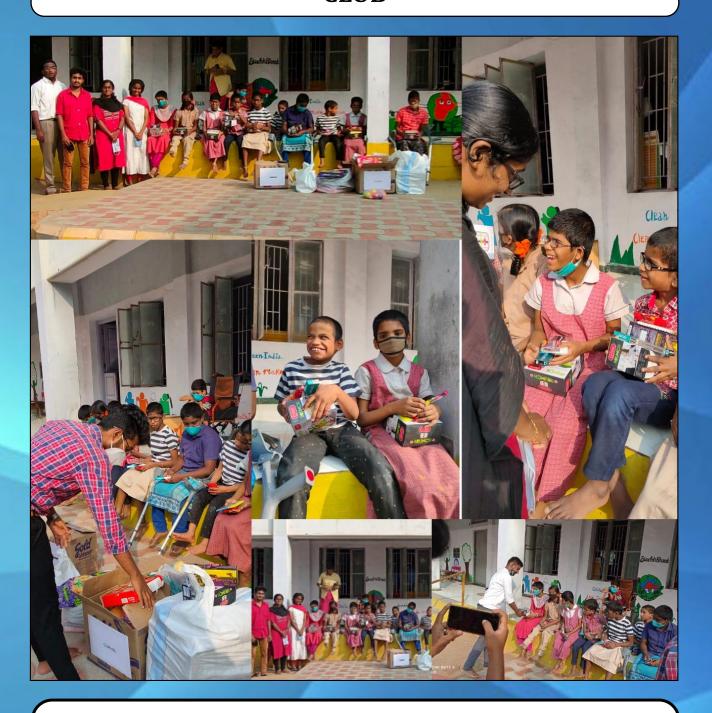


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SoM | OUTREACH ACTIVITIES | SOCIAL SERVICES CLUB



The Social Services Club of the School of Management donated Tiffin Boxes, Stationary and Eatables to **"Families for Children"** at Podanur on 24 December 2021.

- 6 SKCT INSTITUTION'S INNOVATION COUNCIL (IIC)
- 1 ALUMNI CORNER

- 7 STUDENTS'
 PARTICIPATIONS
- 9 FACULTY PARTICIPATIONS

8 RESEARCH

7 NEW VISTAS OF LEARNING

- 4 MEETINGS & DISCUSSIONS
- 1 OUTREACH ACTIVITIES

