

**DESIGN AND DEVELOPMENT OF QUANTUM ENABLED COAXIAL DRONE FOR
EFFECTIVE MULTIPURPOSE DISASTER RELIEF OPERATIONS**

Dr.R.Arravind¹, K.Abil², M.ArsathParvez³, R. Mohamed Alameen⁴, G.Susigaran⁵

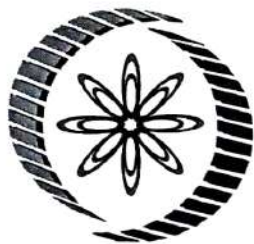
Department of Aeronautical Engineering¹²³⁴⁵

Paavai Engineering College, Namakkal, TamilNadu, India¹²³⁴⁵.

In the midst of chaos and devastation in disaster zones, there arises a revolutionary solution: the quantum-enabled coaxial drone. This innovative concept aims to redefine disaster relief efforts by integrating the cutting-edge capabilities of quantum computing with the established efficiency of coaxial drone design. The key lies in the seamless synergy between these technologies. The drone harnesses the immense computational power of quantum computing to execute tasks with unprecedented precision, navigating through complex environments with unmatched accuracy. Furthermore, leveraging quantum computing for trajectory optimization ensures efficient movement and mitigates the risk of collateral damage or oversight of critical areas.

However, the true innovation lies in the drone's real-time adaptive decision-making capabilities. Equipped with a quantum core, the drone analyzes the dynamic conditions of the disaster zone in real-time, enabling it to adjust its trajectory, tasks, and priorities on the fly. This dynamic responsiveness proves invaluable in handling unpredictable situations, allowing the drone to effectively address the evolving needs of the disaster zone. This fusion of quantum technology with coaxial drone design has the potential to revolutionize disaster relief efforts. It offers unparalleled precision, optimized operations, and real-time adaptability, ultimately saving lives and expediting the path to recovery.

Keywords: Quantum-enabled drone, Coaxial Design, Disaster relief operations, unparalleled precision, Real-time Decision-Making.



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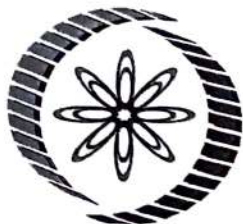


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STRUCTURAL DESIGN AND DEVELOPMENT OF VORTEX BLADELESS WIND TURBINE FOR WIND ENERGY HARVESTING

Dr. ARRAVIND. R,

*Head Of The Department, Department Of Aeronautical Engineering, Paavai Engineering
College, Nammakal, Tamilnadu*

ABIL. K, ARSATHPARVEZ. M, MOHAMED ALAMEEN. R, SUSIGARAN. G,

*Students, Department Of Aeronautical Engineering, Paavai Engineering College, Nammakal,
Tamilnadu.*

Abstract

This work presents a novel design and fabrication approach for a vortex bladeless wind turbine (VBWT). Unlike conventional wind turbines with rotating blades, VBWTs harness wind energy through vortex shedding, a phenomenon where wind flowing past a stationary structure creates oscillating vortices. This innovative design aims to address limitations associated with traditional wind turbines, such as noise generation, bird strike hazards, and large land use requirements.

The proposed VBWT focuses on "optimizing the structure's shape to enhance vortex shedding efficiency" and "utilizing a unique material combination for a lightweight yet robust design". This design is particularly suited for applications in "urban environments with limited space constraints" and "off-grid power generation in remote locations". The anticipated benefits of this renovative design include "improved energy extraction efficiency from wind" and "reduced noise pollution compared to traditional turbines". The successful development of this VBWT could contribute significantly to the advancement of sustainable and environmentally friendly energy solutions.



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Analysis of metal removal rate on nitinol alloy using electrochemical honing process

R. Arravind¹ · Louie Frango.T² · R. Santhanakrishnan³ · S. Murugapoopathi⁴ · S. Ramaswamy⁵

Accepted: 25 August 2024

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Abstract

In recent years, machining of hard material is difficult and its applications are also increased due to their excellent substance properties. At the same time, better quality machined surface was not achieved through conventional machining techniques. The superior quality of machined surface was attained through Electro Chemical Honing (ECH) process. The machining rate has been increased through the combined action of electrical and chemical energy. The Cubic Boron Nitride (CBN) inserts have been used to enhance the machining rate. The chromel metal matrix composite (MMC) has chosen as a work material for ECH process. The chromel composite was machined through ECH with different control factors such as voltage, electrolyte flow rate and pressure. The optimal factors were studied through Taguchi method. The optimal MRR was attained at voltage of 30 V, electrolyte flow rate of 9 lpm, electrolyte pressure of 5 bars. From variance analysis and area plots, the voltage was made the largest causes on MRR. The voltage contribution in MRR was 75.22%.

The contribution factor which affects the responses such as Material Removal Rate (MRR) was determined through variance analysis. The optimal MRR was attained at voltage of 30 V, electrolyte flow rate of 9 lpm, electrolyte pressure of 5 bars. The largest effect on MRR was produced by voltage (75.22%).

Keywords Electro chemical honing · Chromel metal matrix · Tantalum carbides · SEM · Electrolyte flow rate · Material removal rate

1 Introduction

ECH was used power generation and chemical industries. It was used to increase the life of machine components such as rollers, gears, dies and sleeves. Very hard materials were also easily machined with close tolerances. It was best suitable process for surface finish and shaping of the materials. The honing process offers advantages of high metal removal rates, and extreme accuracy of 0.001 mm in a wide variety of materials. Chromel alloy has able to resist high temperatures. Hence, it can be used for temperature measurement devices, heating

Extended author information available on the last page of the article

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in the International Conference organized by Paavai Engineering College (Autonomous), Namakkal, Tamilnadu

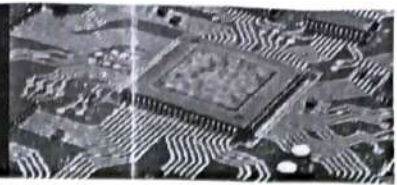
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An Experimental Investigation of Design and Fabrication of Quadcopter Frame With 3d Printing Technology for Enhanced Flight Performance

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⁴UG Aeronautical Engineering, Paavai Engineering College, Namakkal, Tamilnadu.

Abstract This project aims to investigate the design and fabrication of a quadcopter frame using 3D printing technology to enhance its flight performance. The project will focus on the development of a lightweight and durable frame structure that can withstand the stress of high-speed flight and maneuverability. The experimental approach will involve the use of different 3D printing techniques and materials to optimize the frame's weight, strength, and stability. Flight tests will be conducted to evaluate the performance of the 3D printed quadcopter frame in terms of its stability, speed, and agility. The results of this project will provide valuable insights into the potential of 3D printing technology in the design and manufacture of quadcopter frames for enhanced flight performance.

The unique characteristics of quadcopters make them ideal for various applications such as surveillance, traffic updates, and warfare, particularly in dense areas where conventional flying objects may not be effective. The design of quadcopters is a critical aspect that involves modelling and analysis, which are essential during manufacturing. This study focuses on the modelling and structural analysis of quadcopter frames. The modelling process was conducted using CATIA V5 software, while ANSYS 2022 IR2 software was used for the analysis of various parts.

Keyword: UAV, obstacle avoidance, ultrasonic sensor, drone, ESP32, Arduino platform

I. INTRODUCTION

Drones are unmanned aerial vehicles that

have rapidly gained popularity over the last few years. They are designed to operate remotely or on an autopilot basis, and they can perform a wide range of functions. These functions range from recreational use to commercial applications, such as aerial photography, agriculture, and surveillance.

Initially, drones were primarily used by militaries for intelligence, surveillance, and reconnaissance missions. However, with the advancement in technology and miniaturization of components, drones are now accessible to the public for recreational and other commercial use. With more affordable prices and user-friendly controls, drones have become a popular tool for various industries, businesses, and individuals. Drones come in various sizes, from small handheld drones to large industrial drones with the ability to carry heavy cargo. The size, cost, and capabilities of a drone typically depend on its intended use. Small drones, such as the DJI Mavic Mini or the Parrot Anafi, are designed for recreational use and are popular among enthusiasts, vloggers, and travellers who want to capture aerial footage of their adventures. On the other hand, larger drones like the DJI Matrice 600 or the Freefly Alta X are intended for commercial use. These industrial-grade drones are designed to lift heavy equipment, conduct aerial surveys, and even perform logistics work in industries like oil and gas.

The popularity of drones has led to significant advancements in technology. Today, drones are equipped with an array of sophisticated sensors such as GPS, sonar, and optical sensors, which allow them to navigate and position themselves accurately. They



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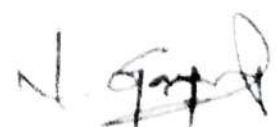
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DESIGN AND DEVELOPMENT OF ANEMOKINETICS BASED ENERGY HARVESTING SYSTEM

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ABSTRACT

This project presents a new Energy harvesting technique for capturing minute amounts of energy from one or more of the surrounding energy sources, accumulating them and storing them for later use. The energy harvesting trees are super eco-friendly synthetic trees will make use of renewable energy from the sun along with wind power, which are an effective clean and environmentally sound medium of gathering solar radiation and wind energy. The artificial trees are implanted with Nano leaves, a composite of nano photovoltaic nano-Thermo voltaic and nano-piezo sources transforming light, heat and wind energy into eco-friendly electricity. Another name given to energy harvesting is energy scavenging. Energy harvesting as an alternative technique that has been applied to solve the problem of finite node lifetime and it refers to harnessing energy from the environment or other energy sources for converting it to electrical energy. Harvesting energy from the surrounding environment is of growing interest to the research community. So a technique has been presented here which can be used for the efficient energy harvesting by creating trees. The electrical energy from all the leaves and twigs is stored at the bottom of the tree by using the storing device. The piezoelectric sensor will then send the signal into the NODEMCU and transform it into electrical energy. The Internet net of things (IOT) will then displayed the amount of voltage generated by the circuit.


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
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Engineering, KIT - Kalaignarkarunanidhi Institute of Technology, Coimbatore held on 17th November 2023.


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Aerodynamic performance of semi-wing with multiple winglets operating at low- and medium-range Reynolds numbers

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Birds have traits that can induce better aerodynamic efficiency along with high manoeuvring capability during its flight, which could be shared with unmanned aerial vehicles for improving their aerodynamic performances. One such feature of the wing tip, i.e. the primary feathers of the birds could be an effective geometrical feature to reduce the wing tip vortices. This paper presents the bio-inspired wing tip devices, i.e. three- and four-tipped multiple winglets in reducing the strength of vortices emanating from the wing tip of the wing operating in the Reynolds number (Re) of 0.9794×10^5 and 0.9794×10^6 . Different combinations of both three- and four-tipped multiple winglets have been designed by varying the cant angle of each tip. Numerical simulations were carried out using Ansys-Fluent by solving three-dimensional Reynolds averaged Navier-Stokes formulations coupled with $k-\epsilon$ turbulence model to resolve the features of tip vortices. The simulation clearly indicates that there is a strong correlation between the size of the vortices and the aerodynamic performance parameters such as C_L/C_D , $(C_L)_{max}$, $C_L^{0.5}/C_D$, $C_L^{1.5}/C_D$. The three- and four-tipped multiple winglets are effective in reducing vortex drag by disintegrating large strength vortex which occurs in the tip of straight wing, into few numbers of small strength vortices. When compared to straight wing, three-tipped multiple winglet with the cant angle

*Corresponding author.



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Dr. B. Arulmurugan

S. Gokul 5/2/24

Faculty Coordinator

Dr. S. Gokulkumar

5/2/24

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Advanced Linear Continuous Control Systems: Applications

With Matlab Programming and Simulink

with a consolidated score of **75** %



Online Assignments	22.38/25	Proctored Exam	52.5/75
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Total number of candidates certified in this course: 105

Prof. Kaushik Ghosh,
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Fuzzy Sets, Logic and Systems & Applications



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Online Assignments	22.81/25	Proctored Exam	63/75
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This certificate is awarded to

N JAYANTHI

for successfully completing the course

Digital Circuits

with a consolidated score of **56** %

Online Assignments	21.69/25	Proctored Exam	34.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **2526**

Jul-Oct 2023

(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

PRINCIPAL
PAVAI ENGINEERING COLLEGE
H-7, PACHAL Post, NAMAKKAL Dist



Roll No: NPTEL23EE115S643000605

To verify the certificate



No. of credits recommended: 3 or 4



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

N JAYANTHI

for successfully completing the course

Control Engineering

with a consolidated score of **54** %

Online Assignments	24.41/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: 176

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,

Centre for Outreach and Digital Education, IITM

Jan-Apr 2024

(12 week course)

Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
14.7 PACHAL Post, NAMAKKAL Dist.



Roll No: NPTEL24EE15S463100320

To verify the certificate



No. of credits recommended: 3 or 4



CHRIST THE KING ENGINEERING COLLEGE

RUN BY FATHER'S OF MMI AND SISTER'S OF DMI
158/3, ONNIPALAYAM ROAD, KARAMADAI, COIMBATORE -641 104



FIRST INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH IN ENGINEERING SCIENCES (ICIRES-2024)

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S. PRAVEENA, ASSISTANT PROFESSOR, BIOMEDICAL ENGINEERING ,
HAS PRESENTED A PAPER ENTITLED 'CREATININE LEVEL
IDENTIFICATION THROUGH URINAL ANALYSIS' FROM PAAVAI
ENGINEERING COLLEGE AT THE FIRST INTERNATIONAL CONFERENCE ON
INNOVATIVE RESEARCH IN ENGINEERING SCIENCE HELD AT CHRIST THE
KING ENGINEERING COLLEGE ON 10.04.2024.


Dr. S. Dinesh Kirupha
.....
Convenor


Dr. N. R. Gayathri
.....
Convenor


Dr. M. Jeyakumar
.....
Principal

PRINCIPAL
PAVAI ENGINEERING COLLEGE
14-7 PACHAL Post, NAMAKKAL Dis





International Research Institute of Multidisciplinary Engineering & Technology

CERTIFICATE OF PRESENTATION

This certificate is presented to

Mrs. S PRAVEENA

“Assistant Professor, Department of Medical Electronics, PAAVAI ENGINEERING COLLEGE, Tamil Nadu”

The Virtual International Conference on Recent Trends in Emerging Technologies and Engineering -

ICRTETE – 2023 Date: 09-April-2023

Organized by

International Research Institute of Multidisciplinary Engineering and Technology, Visakhapatnam

Paper Title: **EAR EEG RECORDING SYSTEM BASED ON DRY CONTACT ELECTRODE**

Authors: **J JAYAVARSHINI, R RAGAVI, L NIDHARSHANA, M ATCHAYA, Mrs. S PRAVEENA**

General Chair

Dr. S. Swarnalatha

SVUCE

Session Chair

Dr. S. Nagaraju

Srinivasa Ramanujan Institute of Technology

keynote speaker

Dr. Abhay Bhatia

Roorkee Institute of Technology

PRINCIPAL

ISBN-13: 979-8-390-777-1 **PAAVAI ENGINEERING COLLEGE**

4th-7, PACHAI Post NAMAKKAL Dist

(Google Meet: meet.google.com/ess-cuvu-ezd)



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

K SHARMILA DEVI

for successfully completing the course

Air Pollution and Control

with a consolidated score of **75** %

Online Assignments	25/25	Proctored Exam	49.5/75
--------------------	-------	----------------	---------

Total number of candidates certified in this course: **9717**

Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator CEC

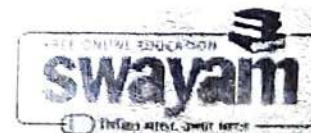
Jan-Apr 2024

(12 week course)

Prof. Ranjana Pathania,
Professor (BSBE)
Coordinator (NPTEL)



Indian Institute of Technology Roorkee



Roll No: NPTEL24CE03S963100102

To verify the certificate



No. of credits recommended: 3 or 4

PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL POST, NAMAKKAL DIST.



NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

K SHARMILA DEVI

for successfully completing the course

Project Planning & Control

with a consolidated score of **68 %**

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL Post, NAMAKKAL Dist.



(Jul-Sep 2023)

Roll No: NPTEL23CE59S45490292

Duration of NPTEL course : 8 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18

ICATS-2024

INTERNATIONAL CONFERENCE ON ADAPTIVE TECHNOLOGIES FOR SUSTAINABLE GROWTH
(9th Edition)

CERTIFICATE OF PARTICIPATION

This is to certify that K. SHARMILADEVI, ASSISTANT PROFESSOR, DEPARTMENT OF CIVIL ENGINEERING, PAAVAI ENGINEERING COLLEGE, NAMAKKAL.

AN EXPERIMENTAL INVESTIGATION OF CONCRETE BY USING GLASS POWDER AND FLYASH AS PARTIAL REPLACEMENT OF CEMENT
Presented a Paper Titled

in the International Conference organized by Pavaai Engineering College (Autonomous), Namakkal, Tamilnadu

on 27th April 2024

Convenor

Principal
PAAVAI ENGINEERING COLLEGE
PACHAL Post, NAMAKKAL Dist.

Director - Admin

ICATS-2024

INTERNATIONAL CONFERENCE ON ADAPTIVE TECHNOLOGIES FOR SUSTAINABLE GROWTH
(9th Edition)

CERTIFICATE OF PARTICIPATION

This is to certify that P.VIGNESH, ASSISTANT PROFESSOR, DEPARTMENT OF CIVIL
ENGINEERING, PAAVAI ENGINEERING COLLEGE, NAMAKKAL
EXPERIMENTAL INVESTIGATION ON PARTIAL REPLACEMENT OF FINE
Presented a Paper Titled AGGREGATE BY HALITE IN HIGH PERFORMANCE CONCRETE

in the International Conference organized by Paavai Engineering College (Autonomous), Namakkal, Tamilnadu

on 27th April 2024

Convener

Principal

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL Post, NAMAKKAL Dist.

Director - Admin



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

VIGNESH P

for successfully completing the course

Project Planning & Control

with a consolidated score of 71 %

Online Assignments	17.21/25	Proctored Exam	54/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: 554

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,

Centre for Outreach and Digital Education, IITM

Jul-Sep 2023

(8 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CE59S45540504

To verify the certificate



No. of credits recommended: 2 or 3

P
PRINCIPAL
PAVAI ENGINEERING COLLEGE
NH-7, PACHAL Post, NAMAKKAL Dist.

ICATS-2024

INTERNATIONAL CONFERENCE ON ADAPTIVE TECHNOLOGIES FOR SUSTAINABLE GROWTH
(9th Edition)

CERTIFICATE OF PARTICIPATION

This is to certify that Mr. A. JAYAPAL, AP/CIVIL,

Presented a Paper Titled EXPERIMENTAL INVESTIGATION OF GEOPOLYMER CONCRETE WITH NANO SILICA

in the International Conference organized by Paavai Engineering College (Autonomous), Namakkal, Tamilnadu

on 27th April 2024



Convener



PRINCIPAL
PAAVAI ENGINEERING COLLEGE
NH-44, PACHAL Post, NAMAKKAL Dis.



Director - Admin



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

A JAYAPAL

for successfully completing the course

Wastewater Treatment and Recycling

with a consolidated score of **76** %

Online Assignments	20.25/25	Proctored Exam	55.6/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: 1249



Jul-Oct 2023

(12 week course)

Haimanti Banerji

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CE85S643000828

To verify the certificate



No. of credits recommended: 3 or 4

[Signature]
PRINCIPAL
PAAVAI ENGINEERING COLLEGE
28th-7, PACHAL Post, NAMAKKAL Dist.

ICATS-2024

INTERNATIONAL CONFERENCE ON ADAPTIVE TECHNOLOGIES FOR SUSTAINABLE GROWTH
(9th Edition)

CERTIFICATE OF PARTICIPATION

This is to certify that M. RAJKANNAN, ASSISTANT PROFESSOR, DEPARTMENT OF CIVIL
ENGINEERING, PAAVAI ENGINEERING COLLEGE, NAMAKKAL
EXPERIMENTAL INVESTIGATION ON PARTIAL REPLACEMENT OF FINE
Presented a Paper Titled AGGREGATE BY HALITE IN HIGH PERFORMANCE CONCRETE
in the International Conference organized by Paavai Engineering College (Autonomous), Namakkal, Tamilnadu
on 27th April 2024



Convener



PRINCIPAL
PAAVAI ENGINEERING COLLEGE
NH-44, PACHAL POST, NAMAKKAL DIST.

Principal



Director - Admin



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
RAJKANNAN M
for successfully completing the course

GPS Surveying

with a consolidated score of **56** %

Online Assignments	19.5/25	Proctored Exam	36.75/75
--------------------	---------	----------------	----------

Total number of candidates certified in this course: **148**

Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator CEC

Jul-Aug 2023
(4 week course)

Prof. Ranjana Pathania,
Professor (BSBE)
Coordinator (NPTEL)



Indian Institute of Technology Roorkee



Roll No: NPTEL23CE93S35490582

To verify the certificate



No. of credits recommended: 1 or 2

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
114-7, PACHAL Post, NAMAKKAL Dist

ICATS-2024

INTERNATIONAL CONFERENCE ON ADAPTIVE TECHNOLOGIES FOR SUSTAINABLE GROWTH
(9th Edition)

CERTIFICATE OF PARTICIPATION

This is to certify that S. RAJESWARI, ASSISTANT PROFESSOR, DEPARTMENT OF
CIVIL ENGINEERING, PAAVAI ENGINEERING COLLEGE, NAMAKKAL
EXPERIMENTAL INVESTIGATION ON PARTIAL REPLACEMENT OF
Presented a Paper Titled FINE AGGREGATE BY HALITE IN HIGH PERFORMANCE CONCRETE
in the International Conference organized by Paavai Engineering College (Autonomous), Namakkal, Tamilnadu
on 27th April 2024



Convener



PRINCIPAL
PAAVAI ENGINEERING COLLEGE
NH-44, PACHAL Post, NAMAKKAL Dis.

Principal



Director - Admin



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

RAJESWARI S

for successfully completing the course

Admixtures and Special Concretes

with a consolidated score of **41** %

Online Assignments	10.97/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: 465

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,

Centre for Outreach and Digital Education, IITM

Jul-Oct 2023

(12 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CE61S646001854

To verify the certificate



No. of credits recommended: 3 or 4

Principal
PRINCIPAL
PAAVAI ENGINEERING COLLEGE
31-7, PACHAL Post, NAMAKKAL Dist.



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

RAJESWARI S

for successfully completing the course

Maintenance and Repair of Concrete Structures

with a consolidated score of **46** %

Online Assignments	15.47/25	Proctored Exam	30.25/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: 790

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,

Centre for Outreach and Digital Education, IITM

Jan-Apr 2024

(12 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CE22S366100382

To verify the certificate



No. of credits recommended: 3 or 4

[Signature]
PRINCIPAL

PAAVAT ENGINEERING COLLEGE
3867, PACHAL POOL, NAMAKKAL DIST.

ICATS-2024

INTERNATIONAL CONFERENCE ON ADAPTIVE TECHNOLOGIES FOR SUSTAINABLE GROWTH
(9th Edition)

CERTIFICATE OF PARTICIPATION

This is to certify that B. KARTHIGA, ASSISTANT PROFESSOR, DEPARTMENT OF
CIVIL ENGINEERING, PAAVAI ENGINEERING, COLLEGE, NAMAKICAL
EXPERIMENTAL INVESTIGATION OF GEOPOLYMER CONCRETE

Presented a Paper Titled WITH NANO SILICA

In the International Conference organized by Paavai Engineering College (Autonomous), Namakkal, Tamilnadu
on 27th April 2024


Convener


Principal


PAAVAI ENGINEERING COLLEGE
NH-44, PACHAL POST, NAMAKKAL DISTRICT


Director - Admin



Certificate of Presentation



This is to certify that Prof./Dr./Mr./Ms. NIJANTHAN N

participated and presented an oral presentation for the paper entitled "Cyber Security Essentials"

in International Conference on "Additive Manufacturing Technologies (Aerospace, Automobile, AI & ML, Bio-Medical, Computer Science, Electrical, Electronics, Mechanical, Petrochemical and Construction - 3DP)" organized by Department of Information Technology and Department of CSE (AI & ML), Mahendra Institute of Technology (Autonomous), Namakkal, sponsored by Science and Engineering Research Board (SERB), New Delhi during 17-18 October 2023.


CO-CONVENOR
Dr. N. SATISH
HOD/IT & AIML, MIT


CONVENOR
Dr. L. SELVARAJAN
HOD/Mech., MIT



DEAN
Dr. J. RAJAVEL
MIT


PRINCIPAL
Dr. T. ELANGO
MIT

6.3.2 Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year

Name of teacher	Name of conference/ workshop attended for which financial support was provided	Name of the professional body for which membership fee was provided	Amount of support
Mr. NIJANTHAN.N	Additive Manufacturing Technologies	Mahendra Institute of Technology,(Autonomous), Namakkal.	Rs.2000
Mr. NIJANTHAN.N	Additive Manufacturing Technologies	Mahendra Institute of Technology,(Autonomous), Namakkal.	Rs.2000



HOD/CSE(IOT)


PRINCIPAL
PRINCIPAL
PAAVAI ENGINEERING COLLEGE
14.7 PACHAL Post, NAMAKKAL Dis

6.3.2 Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year

Name of teacher	Name of conference/ workshop attended for which financial support was provided	Name of the professional body for which membership fee was provided	Amount of support
Mr. NIJANTHAN.N	Additive Manufacturing Technologies	Mahendra Institute of Technology,(Autonomous), Namakkal.	Rs.2000
Mr. NIJANTHAN.N	Additive Manufacturing Technologies	Mahendra Institute of Technology,(Autonomous), Namakkal.	Rs.2000


HOD/CSE(IOT)


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PAAVAI ENGINEERING COLLEGE
14.7 PACHAL Post, NAMAKKAL Dis

DATA PROTECTION USING AES WITH QUICK RESPONSE CODE

Kaviyarasu G, Akchaya B, Prabhakaran S, Loganathan R, Praveen raj E,

Department Of Cyber Security, Paavai Engineering College, namakkal, India

Email: kaviyarasug25@gmail.com, akchayasaro382002@gmail.com,

prabhak325s@gmail.com, loganathanramasamyec@paavai.edu.in, praveenraj1st0201@gmail.com.

ABSTRACT

Information security issues are the most important concerns in the information technology driven world. The security concern of electronic data becomes so important and the responsibility of cryptography has increased so much. This project introduces a novel approach to file-to-video encryption and decryption. The project explores the integration of Quick Response (QR) codes and Advanced Encryption Standard (AES) techniques to enhance the security of file transfers. The integration of QR codes introduces a practical dimension to the encryption process, capitalizing on their capacity to encode information efficiently and their user-friendly nature. QR codes are strategically employed to embed encrypted data within video files, streamlining the sharing and transmission process. Concurrently, the implementation of AES, a widely recognized cryptographic standard, ensures a high level of confidentiality and integrity for the encrypted data. By marrying the advantages of QR codes' accessibility with the cryptographic strength of AES, this project offers a comprehensive and innovative solution to the complex challenges associated with securing electronic data in an increasingly interconnected and information-driven world.

KEYWORDS

QR: Quick Response, AES: Advanced Encryption Standard, MD5: Message Digest Algorithm 5


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
114-7, PACHAL Post, NAMAKKAL Dist.
~ 1068 ~

INTERNAL MARKS CALCULATION SYSTEM USING PHP AND JAVASCRIPT

Ramya. S,

Assistant Professor, Department of Cybersecurity, Paavai Engineering College,

Mrs. Priyadharshini K. V,

Information Technology, M Kumarasamy College of Engineering Karur, Tamil Nadu, India.

Email: Priyadharshini.kv.it@mkce.ac.in

Sivaranjani R, Subhiksha S, Parkavi S,

Information Technology, M Kumarasamy College of Engineering Karur, Tamil Nadu, India.


Email: sivaranjaniramu23@gmail.com, subhikshasubhi6565@gmail.com, parkavi2005@gmail.com

ABSTRACT

The Internal Marks Calculation System is an application-based website designed to automate process of calculating internal assessment scores for educational institutions. It is a user-friendly System Developed using HTML and JavaScript. This System provides efficient ways for faculty members to input, manage and compute assessment scores of students. Through this System, faculties can enter assignment scores, Internal exams, Model lab, Semester lab which are processed and calculated as internal marks. JavaScript for computing and validating the internal marks, this system assures exactness of data and constancy. In addition to that CSS is employed for perceptive and visually attractive to enhance the experience of the user. By this System, educational institutions can improve exactness in internal marks, reducing the manual errors and to promote feedback to students respecting their performance on academics.

KEYWORDS

Compute assessment scores, High accuracy, reducing manual errors.


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
1147, PACHAL Post, NAMAKKAL Dist
~ 2694 ~

ARTIFICIAL INTELLIGENCE IN CYBER SECURITY

Poongodi.R. K,

Professor of CYBER SECURITY Dept in Paavai Eng College, Tamil Nadu, India

Suryagandhan.S. V, Vasanthan.J, TharunKumar.M, Nandhakumar.K,

Student of CYBER SECURITY Dept in Paavai Eng College, Tamil Nadu, India

ABSTRACT

Over the past decade, cyber attacks have increased in frequency, impact and sophistication, largely due to the integration of artificial intelligence (AI). This technology, while providing organizations with the ability to strengthen their cyber defenses, also presents a dual challenge in cyber security. On the one hand, AI empowers organizations to strengthen their security measures, yet on the other hand, it provides cybercriminals with the means to plan highly targeted and rapidly scalable attacks that can evade traditional detection methods. This growing prevalence of AI-driven cyberthreats underscores the paradoxical nature of AI as a tool to both enhance and mitigate cybersecurity. As cyber threats continue to evolve, there is a great need for advanced technology to effectively detect and respond to attacks. In this context, AI has emerged as an indispensable tool, enabling comprehensive threat detection and automated response mechanisms to protect digital assets and networks.

INTRODUCTION

In the ever-evolving landscape of cybersecurity, the integration of artificial intelligence (AI) has emerged as a pivotal factor shaping the dynamics of digital defense and offense. Over the past decade, the frequency, impact, and sophistication of cyberattacks have surged, propelled by the capabilities afforded by AI technology. While AI offers promising avenues for organizations to bolster their cyber defenses, it also presents a dual-edged sword, confronting cybersecurity professionals with formidable challenges. On one front, AI empowers organizations to enhance their

~ 1154 ~


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
H.L. PACHAL Post, NAMAKKAL Dis.

PRIVACY-PRESERVING EMERGENCY RESPONSE SYSTEM: A UNIQUE IDENTIFIER APPROACH FOR SOCIAL MEDIA PLATFORMS

Rajalakshmi R,

*Professor/Department of Cyber Security, Paavai Engineering College, Namakkal DT, India.
Email: rajalakshmirajasekaranpec@paavai.edu.in*

Kumarjeyanth K, Jeevanantham M, Nithiyan M, Gokul B,

*student, Department of Cyber Security, Paavai Engineering College, Namakkal DT, India.
Email: Depajeyanthjks@gmail.com, jeeva7064@gmail.com,
mnithiyan555@gmail.com, gokulb1311@gmail.com*

ABSTRACT

This paper presents a novel approach to managing emergency messages on social media platforms, focusing on preserving privacy and ensuring efficient message tracking. The proposed system uses unique identifiers for each emergency message, allowing for effective tracking and management of the message lifecycle. The system is designed to handle various types of emergencies, including blood needs, missing persons, and kidnapping cases. The unique identifier approach ensures that personal information is not revealed, maintaining the privacy of the individuals involved. The system also allows for the deletion or updating of messages once the emergency need has been fulfilled.

KEYWORDS

message tracking, privacy maintaining, updation message,


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
114.7. PACHAL Post, NAMAKKAL Dist.



NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

R LOGANATHAN

for successfully completing the course

Cyber Security and Privacy

with a consolidated score of 52 %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



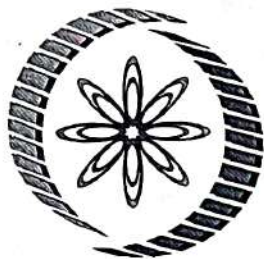
(Jul-Oct 2023)

Roll No: NPTEL23CS127S643000654

PRINCIPAL
PAANAGAN GOWDER COLLEGE
BACHAL POST, NAMAKKAL DIST

Duration of NPTEL course : 12 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

POONGODI R K

for successfully completing the course

Computer Networks and Internet Protocol

with a consolidated score of **50** %

Online Assignments	10/25	Proctored Exam	39.8/75
--------------------	-------	----------------	---------

Total number of candidates certified in this course: **9310**

Jan-Apr 2024

(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
H.L. PACHAL Post, NAMAKKAL Dist



Roll No: NPTEL24CS19S363100008

To verify the certificate



No. of credits recommended: 3 or 4



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

S RAMYA

for successfully completing the course

Computer Graphics

with a consolidated score of **44** %

Online Assignments	10/25	Proctored Exam	33.75/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: **660**

Jul-Sep 2023

(8 week course)

Prof. T. V. Bharat

Head, Centre for Educational Technology
NPTEL Coordinator, IIT Guwahati



Indian Institute of Technology Guwahati

PRINCIPAL
PAVAI ENGINEERING COLLEGE
NH-7, PACHAL Post, NAMAKKAL Dist.



Roll No: NPTEL23CS115S45490068

To verify the certificate



No. of credits recommended: 2 or 3

A Heart Disease Classification using an Improved Particle Swarm Optimization Algorithm with Support Vector Machine Classifier

Publisher: IEEE

Cite This



Mohammed I. Habelalmateen ; A. H. A. Hussein ; Sripelli Jagadish ; K Ramakrishna ; J. Velumani **All Authors**

44
Full
Text Views



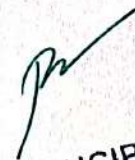
Abstract

Document Sections

- I. Introduction
- II. Literature Survey
- III. Methodology
- IV. Results
- V. Conclusion

Abstract:

The Heart Disease (HD) is one of the leading causes of death worldwide. Early detection of HD decreases heart attack disease risk and increases recovery chances. Unbalanced samples and missing values for certain features are the primary challenges in HD classification. This work aims to implemented the effective feature optimization and classification methods for HD classification, which assists in the early diagnosis of the condition by medical professionals. Hence, a HD classification method based on Improved Particle Swarm Optimization (IPSO) algorithm and Support Vector Machine (SVM) categorization method, namely IPSO-SVM method, is implemented to evaluated and predict HD risk. At first, Cleveland dataset's collected data is rescaled using technique of min-max normalization. Then, ResNet 50 is utilized for extract the features and IPSO is employed to select the significant features. Finally, Machine Learning (ML) classifier used for HD classification, which include both presence and absence of the HD. Compared with existing methods, the implemented method achieved 99.95% of accuracy using Cleveland dataset.


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
114.7, PACHAL Post, NAMAKKAL Dis.

Enhancing Breast Cancer Screening: Mammogram Image Analysis with Multiclass Support Vector Machine

Publisher: IEEE

Cite This

PDF

J. Velumani ; Ali Ashoor Issa ; Gotte Ranjith Kumar ; A. H. A. Hussein ; Aboothar mahmood Shakir All Authors

26
Full
Text Views



Abstract

Document Sections

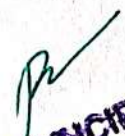
- I. Introduction
- II. Related Work
- III. Problem Statement
- IV. Objective
- V. Proposed Methodology

Show Full Outline ▾

Authors

Abstract:

Mammography is an essential screening test for the early detection of breast cancer, significantly increasing the patient's chances of complete recovery. In this paper, a Multi-Class Support Vector Machines (MSVM) is presented to address the overfitting problem and enhance the technique's performance in detecting locations and areas of breast cancer. This approach proves to be particularly effective in high-dimensional spaces, offering advantages in the context of breast cancer detection, where datasets may contain a large number of features. The MIAS dataset in the classification stage utilizing 60 breast cancer images including 100 malignant and 100 benign breast cancer images. All these images have been labeled with 63 images labeled as normal and 37 images as benign or micro, with an original pixel size of 1024×1024 . After segmentation using Particle Swarm Optimizer (PSO) to segment nuclei and non-nuclei cells and involved parallel computing and global optimization to achieve superior results for the Super pixel. Feature extraction was performed using the Grey Level Co-Occurrence Matrix (GLCM). Finally, the (MSVM) classifier was utilized to grade the histology breast images. The experimental results demonstrate that the MSVM achieved an accuracy rate of 98.90% surpassing other existing models such as Convolutional Neural Network, Deep Neural Network, and Support Vector Machine.


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Online Transaction Fraud Detection Using Backlogging on E-Commerce Websites

¹Mrs. J.VELUMANI – ME(Ph.d),

²SHAJAN M., ³SREETHER R., ⁴SANJAY KUMAR S., ⁵HARISH JAYARAJ B.

¹ASSOCIATE PROFESSOR, ^{2,3,4,5}IV YEAR
DEPARTMENT OF CYBER SECURITY
PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
NAMAKKAL, TAMILNADU.

Abstract- The proliferation of e-commerce platforms has brought about numerous conveniences for consumers and businesses alike. However, it has also opened the door to various forms of online transaction fraud. This paper presents an innovative approach to detecting online transaction fraud by employing the backlogging technique on e-commerce websites. Utilizing machine learning algorithms and data analytics, this system aims to enhance the security infrastructure of online shopping platforms, safeguarding consumers and businesses from fraudulent activities.

Keywords: Online Transaction Fraud, E-commerce, Backlogging, Fraud Detection, Machine Learning, Data Analytics.

1. INTRODUCTION

The digital transformation of the retail sector has led to the widespread adoption of e-commerce platforms. While these platforms offer unparalleled convenience and accessibility, they also present new challenges related to fraud in online transactions. This paper presents a novel approach to mitigate this problem by using a backlogging technique to detect fraud in online transactions on e-commerce websites.

2. BACKGROUND AND MOTIVATION

2.1 Rise of E-commerce Fraud

With the growing popularity of online shopping, cybercriminals have devised sophisticated methods to exploit vulnerabilities in e-commerce platforms. Types of online transaction fraud include credit card fraud, identity theft, and account takeover, among others. Traditional fraud detection systems have struggled to keep up with these evolving fraud schemes, necessitating the development of more advanced and robust detection mechanisms.

2.2 Backlogging in Fraud Detection

Backlogging is a sophisticated technique used in fraud detection systems to increase the accuracy and reliability of identifying fraudulent activities. It involves carefully monitoring and analyzing user transaction history over a period of time to detect patterns, trends, and anomalies that may indicate fraudulent behavior. The primary goal of backlogging is to create a comprehensive and detailed transaction history for each user, allowing the system to identify unusual or suspicious activity that deviates from established patterns.

2.3 Principles Of Backlogging

Historical Transaction Analysis: Backlogging focuses on analyzing users' historical transaction data to identify their typical purchasing behavior, transaction frequency, spending patterns, and geographic locations. By understanding common user transaction patterns, the system can more effectively identify abnormal or suspicious activity that may indicate fraudulent behavior.

Pattern Recognition: Backlogging uses advanced data analytics and machine learning algorithms to identify recurring patterns, trends and anomalies in user transaction history. The system uses pattern recognition techniques to distinguish between legitimate and fraudulent transactions based on established patterns and deviations from those patterns.

Anomaly detection: Backlogging emphasizes the detection of anomalies or outliers in user transaction history that do not conform to established patterns. The system uses statistical analysis and anomaly detection algorithms to identify unusual transaction activity, such as unusually large transactions, multiple rapid transactions, or transactions from unknown geographic locations that may indicate fraudulent behavior.

Automatic Skin Cancer Segmentation and Classification using Fuzzy C-means Clustering-based Convolutional Neural Network

Publisher: IEEE

Cite This

PDF

R Ramya ; Mohammad Yahya ; Myasar Mundher Adnan ; R Archana Reddy ; J. Velumani [All Authors](#)

29
Full
Text Views




Abstract

Document Sections

- I. Introduction
- II. Literature Survey
- III. Proposed Methodology
- IV. Experimental Results
- V. Conclusion

Abstract:

Skin cancer is treated as one of the primary types of disease in the human body which is caused by the radiation of ultraviolet from the sun. However, manual segmentation and classification of skin cancer is extremely difficult and time-consuming due to visual variations in skin lesions. In this research, the Fuzzy C-means Clustering-based Convolutional Neural Network (FCM-CNN) is proposed for the automatic segmentation and classification of skin cancer using deep learning. Initially, the data is obtained by the ISIC-2017 dataset, and then pre-processing is performed using a Top hat filter and inpainting approach. The FCM approach is used to segment the given pre-processed image. The Local Ternary Pattern (LTP) and Local Vector Pattern (LVP) are used to extract the appropriate features. Finally, the CNN classification is utilized to classify skin cancer as malignant or benign. When compared with the existing methods, the proposed FCM-CNN achieves a better accuracy of 99.75% respectively.


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Detecting Attackers During Quantum key Distribution in IoT Networks using Quantum-Based Secure and Lightweight Transmission

Publisher: IEEE

Cite This

PDF

A R Sivakumaran ; Muntather Almusawi ; Bura Vijay Kumar ; Zainab Abed Almoussawi ; J. Velumani All Authors

60
Full
Text Views




Abstract

Document Sections

- I. Introduction
- II. Literature Survey
- III. Methodology
- IV. Result
- V. Conclusion

Abstract:

Quantum Key Distribution (QKD) is an auspicious model for Internet of Things (IoT) networks against attacks of eavesdropping. Nevertheless, standard quantum-based techniques are expensive and overweighted for resource-awkward devices in IoT. Especially, an out-band quantum channel needs to use for regular exchanges among the devices and QKD controller. To decreased IoT devices overweight pain against eavesdropping, implemented a new Quantum-based Secure and Lightweight Transmission (QSLT) method in this work. In particular, the system pre-distributes quantum keys to IoT SIM cards-equipped devices. Sensitive IoT data can be encrypted or decrypted using one of the keys by QSLT. It is important that two distinct devices arranged the session key using key-selection of in-band techniques. Once the data is received by another device, the key-selection field is extracts by QSLT and uses locally stored selected quantum key to decrypt the data. Investigated the implemented technique and analyses its performances of transmission and security.


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Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,

Centre for Outreach and Digital Education, IITM

Jul-Aug 2023

(4 week course)

[Handwritten signature]

[Handwritten signature]

Prof. Andrew Thangaraj

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras

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Introduction to Internet of Things

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Total number of candidates certified in this course: **25880**

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Coordinator, NPTEL

IIT Kharagpur



Indian Institute of Technology Kharagpur

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No. of credits recommended: 3 or 4

Enhancing Biomedical Image Interpretation through a Hybrid Machine Learning Algorithm

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Communication Engineering
Vel Tech Rangarajan Dr. Sagunthala
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Vijayakumar S

Department of Electronics and
Communication Engineering
Paavai Engineering College
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svijiece@gmail.com

Abstract— In contemporary medicine, biomedical image interpretation is essential for disease diagnosis and the selection of appropriate treatments. However, manually scrutinizing these images is time-consuming and may lead to erroneous conclusions. The proposed work offers a novel approach to resolving these issues by utilizing a mixed machine-learning technique to improve the interpretation of biological images. The proposed system accurately evaluates physical images using machine learning techniques, including convolutional neural networks and decision trees. The algorithm aims to integrate the most beneficial aspects of multiple image analysis methods to enhance their overall performance. Using a carefully selected dataset, demonstrate the algorithm's precision and robustness compared to other approaches. The findings imply that the algorithm could substantially alter the interpretation of biological images in clinical and academic settings. This discovery has far-reaching implications, paving the way for improved diagnostic precision and further study of the human body. This hybrid method is a promising step toward automating image processing and paves the way for new research and implementation opportunities in healthcare technology.

Keywords— Biomedical Image Interpretation, Hybrid Machine Learning, Machine Learning, Medical Image Classification, Convolutional Neural Network.

1. INTRODUCTION

Biomedical imaging has emerged rapidly as an indispensable instrument in contemporary medicine, used in various diagnostic contexts and for continuous patient monitoring. Imaging technologies have revolutionized clinical practice and enhanced patient care by accurately and rapidly depicting anatomical features and disease modifications [1]. However, accurate interpretation of these images remains a challenging endeavor that frequently requires applying specialized knowledge and considerable effort. As biological images' quantity and complexity increase, so does the need for novel approaches to accelerate and enhance their interpretation [2]. Biomedical image

interpretation is the process by which diagnostically pertinent information can be extracted from various imaging modalities, such as X-ray, CT, MRI, and the microscope [3]. These images can be used to infer the progression of diseases, the efficacy of treatments, and the overall health of patients. The accuracy of a person's manual interpretation of these images may be affected by fatigue and cognitive biases, among other human characteristics. The expansion of medical imaging data has also posed challenges in terms of efficacy and precision of interpretation [5].

Recent advancements in artificial intelligence (AI) and related fields of machine learning have created promising new avenues for improving the interpretation of biological images. The ability of machine learning algorithms to extract intricate patterns and relationships from vast datasets enables them to make accurate predictions. In the future, algorithms may be able to identify subtle distinctions in medical images that are diagnostic of specific diseases [6]. Applying machine learning algorithms to the processing of biological images has yielded some success, but it is hardly a panacea [7]. Convolutional neural networks (CNNs) perform well in image recognition, while decision trees help to model the complex decision boundaries [8]. Improving the interpretation of biological images necessitates a technique combining multiple machine-learning algorithms' capabilities. To address this deficiency, the present study proposes a novel hybrid machine-learning strategy that combines the advantages of neural network classifiers and decision trees for an enhanced understanding of biological images [9].

The proposed work's primary objective was to develop a hybrid machine learning system that combines the strengths of both convolutional neural networks (CNNs) and decision trees to enhance the comprehension of biological images. The method seeks to improve the accuracy and efficiency of image analysis in order to provide more effective clinical diagnostic and therapy options. Using the synergy between deep learning and decision-based approaches, this research aims to develop a flexible and robust system for interpreting a broad spectrum of biological images [10]. While this article recognizes the enormous



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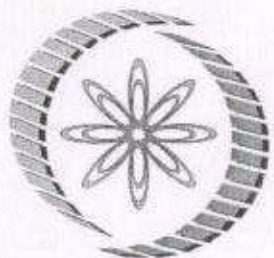


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Total number of candidates certified in this course: **49**

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Prof. Devendra Jalihal

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Centre for Outreach and Digital Education, IITM

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(8 week course)

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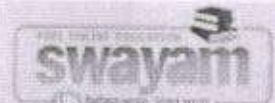
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NPTEL Coordinator

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Online Assignments	23.19/25	Proctored Exam	40.5/75
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Total number of candidates certified in this course: **288**

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Head, Centre for Educational Technology
NPTEL Coordinator, IIT Guwahati



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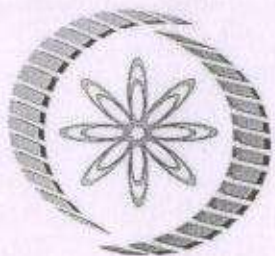


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with a consolidated score of **98** %

Online Assignments	24.69/25	Proctored Exam	73.5/75
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Total number of candidates certified in this course: 2709

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Coordinator, NPTEL
IIT Kharagpur



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Total number of candidates certified in this course: **465**

Devendra Jalihal

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NPTEL, Coordinator

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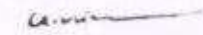
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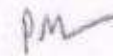
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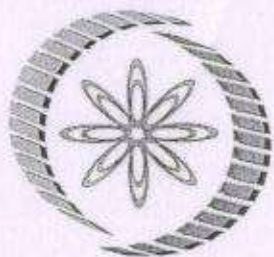
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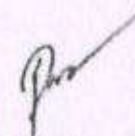
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Presented a Paper Titled LIQUID INTELLIGENCE: ADVANCEING WATER LEVEL DETECTION USING MICROCONTROLLER


in the International Conference organized by Paavai Engineering College (Autonomous), Namakkal, Tamilnadu

on 27th April 2024


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Online Assignments	24.16/25	Proctored Exam	40.5/75
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Total number of candidates certified in this course: **32882**

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Coordinator, NPTEL
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Indian Institute of Technology Kharagpur

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This certificate is awarded to

SATHISH S

for successfully completing the course

Psychology of Learning

with a consolidated score of **70** %

Online Assignments	24.69/25	Proctored Exam	45/75
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Total number of candidates certified in this course: **2709**

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Coordinator, NPTEL
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This certificate is awarded to

SATHISH S

for successfully completing the course

Leadership and Team Effectiveness

with a consolidated score of **71** %

Online Assignments	22.5/25	Proctored Exam	48.75/75
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Total number of candidates certified in this course: **7482**

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Professor (Chemistry)
Coordinator CEC

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Presented a Paper Titled

"Smart crop growth monitoring based on system adaptivity and Edge AI"

in the International Conference organized by Paavai Engineering College (Autonomous), Namakkal, Tamilnadu

on 27th April 2024

Convener

Principal

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
NH-44, PACHAL POST, NAMAKKAL DIST.

Director-Admin

Integrating Machine Learning for Early Diagnosis and Prognostic Assessment of Retinopathy of Premature Babies

Selvamarilakshmi D¹, R.Vani², S.Aravinth³, S.Thenappan⁴, R Benazir Begam⁵ and N.Gangarani⁶

¹Department of Mechatronics, Agni College of Technology, Chennai, Tamil Nadu, India

²Department of Computer Science, Dr. SNS Rajalakshmi College of Arts and Science (Autonomous), Coimbatore, Tamil Nadu, India

³Department of MBA, St Joseph's College of Engineering, Chennai, Tamil Nadu, India

⁴Department of Electronics and Communication Engineering, Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Chennai, Tamil Nadu, India

⁵Department of ECE, Rajalakshmi Engineering College, Chennai, Tamil Nadu, India

⁶Department of ECE, Paavai Engineering College, Namakkal, Tamil Nadu, India

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Abstract- Retinopathy of Prematurity (ROP) is a significant threat to premature babies' vision, needing early diagnosis and prognostic assessment. Existing systems frequently need more subjectivity and high accuracy, making prompt intervention difficult. A machine learning (ML)-based method for ROP diagnosis and prognosis is provided to address these challenges. The system uses big datasets to train ML algorithms, automating and standardizing the diagnosis process. The system enables ROP early detection and accurate prognosis by combining supervised and unsupervised learning techniques, feature selection, and dimensionality reduction. When compared to existing systems, it outperforms them in terms of accuracy (0.92 vs. 0.86), sensitivity (0.89 vs. 0.75), specificity (0.88 vs. 0.74), and AUC-ROC (0.85 vs. 0.76). Notably, the proposed system performs well across a variety of machine learning models, including Random Forest (0.92), Gradient Boosting (0.91), and Support Vector Machine (0.89). These results highlight the system's potential to transform ROP care, resulting in improved visual outcomes for premature babies.

Keywords: Retinopathy of Prematurity, premature infants, machine learning, early diagnosis, prognostic assessment, medical imaging, clinical features.

I. INTRODUCTION

Retinopathy of Prematurity (ROP) is an essential issue in premature baby care, affecting premature babies and posing severe risks to their visual health. Despite advances in medical imaging and diagnostic tools, reliably diagnosing and prognosticating ROP remains challenging due to the condition's complicated nature and variable presentation. Traditional diagnostic procedures frequently rely on unreliable evaluations, which may need more precision for early intervention [1]. Machine learning (ML) integration presents an incredible chance to revolutionize ROP care by enabling automated, standardized, and accurate diagnosis and prognosis

assessment. The study is motivated by the pressing need to improve ROP detection and prognosis, ultimately improving clinical outcomes for premature babies. Existing diagnostic procedures, while helpful, frequently need to catch up in terms of accuracy and consistency, resulting in delayed therapies and perhaps irreparable visual deficits [2, 3]. It is necessary to deal with these limitations using big datasets and ML algorithms, resulting in an efficient system capable of precise ROP diagnosis and prognosis [4]. These improvements have the potential to transform the field of medicine, empower healthcare providers, and, ultimately, improve the quality of life for premature babies at risk of ROP. The study's primary objective is to demonstrate an innovative ML-based strategy for early identification and prognosis of ROP in premature babies. The proposed system intends to automate and standardize the diagnostic process, enhancing ROP detection's accuracy, consistency, and timeliness. Combining supervised and unsupervised learning techniques, feature selection, and dimensionality reduction methods requires creating a comprehensive system capable of distinguishing discrete stages of ROP progression and predicting patient outcomes. Extensive analysis and Comparison with existing systems [5] are needed to establish the superiority and therapeutic usefulness of the proposed system.

The study improves the field of premature babies' medicine by presenting a novel framework for ROP diagnosis and prognosis assessment. It systematically resolves ROP management difficulties by leveraging machine learning techniques and powerful data analytics. The proposed system improves diagnostic accuracy and allows for early intervention, potentially lowering the frequency of significant visual problems in premature babies. Furthermore, providing healthcare providers with reliable and interpretable tools simplifies clinical

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COLLEGE**

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in the International Conference organized by Paavai Engineering College (Autonomous), Namakkal, Tamilnadu

on 27th April 2024

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Prof. Haimanti Banerji

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Principal


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Indian Institute of Technology Kharagpur

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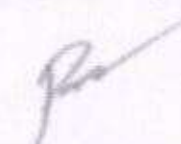
Presented a Paper Titled

"Optical path surrogate modelling for fog density estimation and image dehazing"

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on 27th April 2024


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has **PRESENTED** Paper entitled

Enhancing Hyperparameters for Improved Flight Delay Prediction Using Machine Learning Algorithms

For 2nd International Conference on Integrated Circuits and Communication Systems
(ICICACS - 2024) organized by Department of Electronics and Communication Engineering,
H.K.E. SOCIETY'S Sir M Visvesvaraya College of Engineering, Raichur
during 23rd & 24th February 2024.

Dr. Vishwanath P
Prof. & Head, Dept. of ECE
SMVCE, Raichur

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Coordinator, NPTEL
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Indian Institute of Technology Kharagpur

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with a consolidated score of **75** %

Online Assignments	24.38/25	Proctored Exam	50.5/75
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Total number of candidates certified in this course: **32882**

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(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

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For 2nd International Conference on Integrated Circuits and Communication Systems

(ICICACS - 2024) organized by Department of Electronics and Communication Engineering,

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during 23rd & 24th February 2024.

Dr. Vishwanath P
Prof. & Head, Dept. of ECE
SMVCE, Raichur

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PAAVAI ENGINEERING COLLEGE has Participated / Chaired a Session / Keynote Speaker / Presented a paper
Graphical Password Authentication For Avoiding Shoulder Surfing Attacks in the National conference on "FRESH CON 2K23"

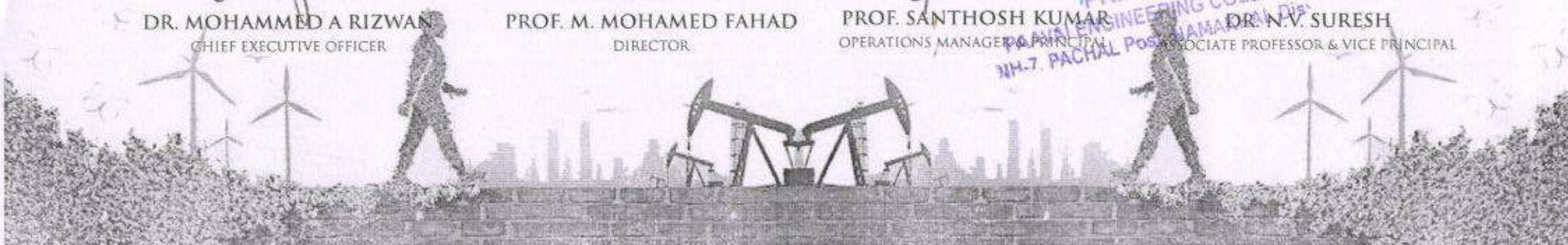
Organized by Dept. of Industrial Safety held on 24th November 2023 at ASET COLLEGE OF SCIENCE & TECHNOLOGY, Chennai.


DR. MOHAMMED A RIZWAN
CHIEF EXECUTIVE OFFICER


PROF. M. MOHAMED FAHAD
DIRECTOR


PROF. SANTHOSH KUMAR
OPERATIONS MANAGER


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DR. N.V. SURESH
ASSOCIATE PROFESSOR & VICE PRINCIPAL
H.H.7. PACHAL





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Sensors and Actuators

with a consolidated score of **72** %

Online Assignments	19.69/25	Proctored Exam	52.5/75
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Total number of candidates certified in this course: 1821

Prof. G. L. Sivakumar Babu
Chairman, Center for Continuing Education
IISc Bangalore

Jan-Apr 2024

(12 week course)

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PAAVAI ENGINEERING COLLEGE
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Prof. L. Umanand
NPTEL Coordinator
IISc Bangalore



Indian Institute of Science Bangalore



Roll No: NPTEL24EE45S966101586

To verify the certificate



No. of credits recommended: 3 or 4



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with a consolidated score of **75** %

Online Assignments	21.44/25	Proctored Exam	54/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **32882**

Jan-Apr 2024

(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

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Theory and Practice of Non Destructive Testing

with a consolidated score of **56** %

Online Assignments	24.17/25	Proctored Exam	31.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **197**

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Mar 2024

(8 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras

PRINCIPAL
ENGINEERING COLLEGE



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of DEPARTMENT OF MECHATRONICS ENGINEERING, NAMAKKAL has attended the
attended the One-day National level Workshop on "Design and Development of Electric Vehicles"
organized by the Department of Mechanical Engineering, held on 02nd February, 2024.


Faculty Coordinator
(Prof. V. Kondusamy)


Head of the Department
(Dr. C. Krishnara)


Principal
(Dr. V. Kumar Chinnaiyan)



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Manufacturing Process Technology - I & II

with a consolidated score of **60** %

Online Assignments	19.03/25	Proctored Exam	41.03/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **666**

Patish

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Jan-Apr 2024

(12 week course)

Satyaki

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur

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M. T. PAVAI
KAMAKKAL Dist.



Roll No: NPTEL24ME48S954500031

To verify the certificate



No. of credits recommended: 3 or 4



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Professor, Department of Mechatronics, Paavai Engineering College, Pachal, Namakkal.

for Attending & Giving an oral Presentation for the Paper Entitled

Agriculture Soil Nutrition Autosprayer

in International Conference on Futuristic Trends in Science, Engineering and Management (ICFTSEM) 2024 – Jointly Organized by Department of Business administration, St. Xavier's College of Management & Technology (SXCMT), Patna, Bihar, India & Global Conference Hub, Coimbatore, Tamilnadu, India on 23/02/2024 & 24/02/2024.

Mr. Piyush Ranjan Sahay

Coordinator, Department of Business Administration, St. Xavier's college of Management & Technology, Patna, India

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Principal, St. Xavier's college of Management & Technology, Patna, India



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Automation in Manufacturing

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Online Assignments	20/25	Proctored Exam	42/75
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Total number of candidates certified in this course: 1610

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Prof. T. V. Bharat
Head, Centre for Educational Technology
NPTEL Coordinator, IIT Guwahati



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No. of credits recommended: 3 or 4



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Coordinator, Department of Business Administration, St. Xavier's college of Management & Technology, Patna, India

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for Attending & Giving an oral Presentation for the Paper Entitled

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in **International Conference on Futuristic Trends in Science, Engineering and Management (ICFTSEM) 2024** – Jointly Organized by Department of Business administration, St. Xavier's College of Management & Technology (SXCMT), Patna, Bihar, India & Global Conference Hub, Coimbatore, Tamilnadu, India on 23/02/2024 & 24/02/2024.

Mr. Piyush Ranjan Sahay

Coordinator, Department of Business Administration, St. Xavier's college of Management & Technology, Patna, India

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Coordinator CEC

Jan-Apr 2024

(12 week course)

Prof. Ranjana Pathania,
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Indian Institute of Technology Roorkee

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Roll No: NPTEL24ME17S1163100087

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No. of credits recommended: 3 or 4



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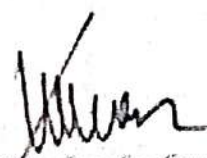


Assistant Professor/Mechatronics, Paavai Engineering College


Has presented a paper titled

Design And Implementation Of Safety Measures Cause By
Drowsiness Detection In Automotive Vehicle

at the 3rd International Conference On building a Sustainable future
with recent Trends in science and technology (ICOST-2024) held from
22 to 23 march 2024 at Annapoorana Engineering College
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Dr. N. Nedunchezian
Conference Chair


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Director, PACHAL POST, NAMAKKAL
Head of the Department

PRINCIPAL

Dr. M. Davamani Christober
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Mrs. Anisha
Convener



Mrs. Jayalakshmi
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Dr. M. Davamani Christober
Principal



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Professor
Aerospace Engineering

Dr. M. Subramanian
Head of Department
Aerospace Engineering
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Making of Bioplastic from pectin by citrus peels

Dr. Balasubramani. K, Dinesh.P, Jegan. V, Sabharinathan. K, Sandhiya. P,

Department of Chemical Engineering , Paavai Engineering College (Autonomous),

Namakkal, India.

Abstract

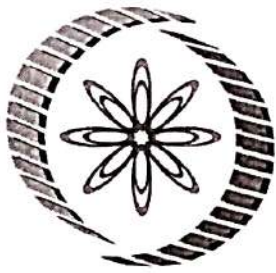
This research paper investigates the feasibility and sustainable synthesis of bioplastics from pectin extracted from citrus peels. With the growing concern over environmental pollution and the depletion of fossil fuel resources, there is a pressing need to explore renewable and biodegradable alternatives to conventional plastics. Citrus peels, a major byproduct of the citrus processing industry, contain substantial amounts of pectin, a polysaccharide known for its gelling and thickening properties. In this study, citrus peels were collected, processed, and subjected to pectin extraction using environmentally benign methods. The extracted pectin was then utilized as a precursor for the synthesis of bioplastics through a series of chemical and physical treatments. The properties of the resulting bioplastic films, including mechanical strength, thermal stability, and biodegradability, were characterized using various analytical techniques. Additionally, the environmental impact of the bioplastic production process was assessed through a life cycle analysis. This research contributes to the development of eco-friendly alternatives to traditional plastics, paving the way towards a more sustainable future.

Introduction

Background

Plastics, once hailed for their versatility and contributions to technology and medicine, have now become a global environmental concern due to their extensive consumption and persistent pollution. Governments worldwide, including India's, are intensifying efforts to address plastic waste's detrimental impacts on ecosystems and human health. Amidst this crisis, the quest for sustainable alternatives has gained momentum, with bioplastics emerging as promising solutions.

Utilizing agricultural waste, such as citrus peels, for bioplastic production has garnered attention due to its potential to mitigate plastic pollution and promote circular economy



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Waste to Energy Conversion

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Online Assignments	13.75/25	Proctored Exam	33.68/75
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Total number of candidates certified in this course: **924**

Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator CEC

Jan-Mar 2024

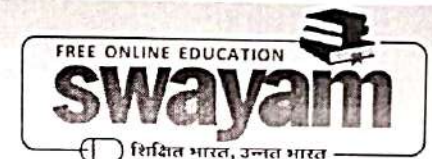
(8 week course)

Principal
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34-7, PACHAI Post, NAMAKKAL Dist

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Coordinator (NPTEL)



Indian Institute of Technology Roorkee



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No. of credits recommended: 2 or 3



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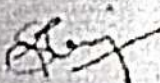
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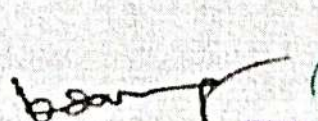


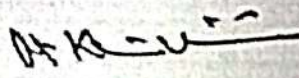
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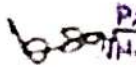


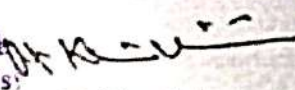
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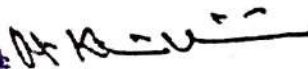
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Studies on Floatation of Waste Mobile Printed Circuit Boards

Sri Sivakumar. T, Gokul. V, Surrendhar. S, Ravikumar. K, Ellamparuthy. G,
Department of Chemical Engineering, Paavai Engineering College, Namakkal, India

ABSTRACT

Vast varieties of appliances which apply electricity are termed as electrical and electronic equipment (EEE). Waste Printed Mobile Circuit Board is a heterogeneous mixture of polymers, ceramic and metals. Characterization of these heterogeneous material is critical in identification of elements present in it. The powdered waste printed circuit boards were investigated by optical stereomicroscope for liberation and shape identification. Flotation studies were conducted to separate metals and nonmetals. The experimental results indicated that the metallic values are enriched in the sink product and polymer were separated from the float. The enrichment of metal values helps in reducing the cost of downstream process such as leaching and extraction of metal values.

Introduction

The electrical and electronic equipment after end-of-life (EoL) period becomes electrical and electronic waste (E-Waste). E-waste is one of the rapid growing solid waste stream in every nation globally [1]. Mobile phones are portable device which receive calls over radio frequency link while the user is around telephone service area. In recent decade mobile phones support various other services such as text message, MMS e-mail, Internet access, short range wireless communications (infrared, Bluetooth), digital photography were commonly defined as featured phones. Mobile phones which offer advanced computing devices are referred as smart phones. Usage of mobile phones worldwide have increases vigorously from 500 million (2000) to 5000 million (2011) [2]. Mobile phone consists of various parts such as case housing, keypad, display, printed circuit boards, battery and charger. The total mobile phone is made up of 50% of polymers and the remaining was made up of other materials such as ceramics and metals [5]. Most of the materials used in mobile phones can be recycled [4]. The polymers used in mobile phones were made of engineering grade polymers such as Polycarbonate (PC), Acrylonitrile-Butadiene-Styrene

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13th IconSWM-CE & IPLA Global Forum 2023

13th International Conference on Sustainable Waste Management & Circular Economy and IPLA Global Forum 2023

International Society of Waste Management, Air and Water (ISWMAW)

K J Somaiya Institute of Management, Vidyavihar University,
Mumbai, Maharashtra, India

November 29 – December 02, 2023

IconSWM-CE Excellence Award 2023 for Best Paper Presentation

Title of the Paper:

Bioethanol Production from Coconut Husk Using Fermentation Method

Presenting Authors: G. Swathi,

Co-author/s: D. Dhanaraja, P. Balaganesh, Namakkal



Prof. Dr. Sadhan K Ghosh
Chairman, IconSWM Excellence Award Committee,
Chairman, IconSWM-CE,
Founder & President, ISWMAW



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Certificate issued on November 29, 2023 from ISWMAW at KJSIM, VU, Mumbai, Maharashtra, India



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Waste to Energy Conversion



with a consolidated score of **84** %

Online Assignments	24.17/25	Proctored Exam	59.69/75
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Total number of candidates certified in this course: **924**

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Coordinator CEC

Jan-Mar 2024

(8 week course)

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Indian Institute of Technology Roorkee



Roll No: NPTEL24CH29S355500303

To verify the certificate



No. of credits recommended: 2 or 3



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SWATHI G

for successfully completing the course

Waste to Energy Conversion

with a consolidated score of 84 %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

PRINCIPAL
PAVAI ENGINEERING COLLEGE
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(Jan-Mar 2024)

Roll No: NPTEL24CH29S355500303

Duration of NPTEL course : 8 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 16th Nov, 2023, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2023

COMPARATIVE ESTIMATION OF B-COMPLEX VITAMIN CONTENT IN CHICKEN EGG, BUFFALO MILK AND GOAT MILK

ABISHEK. M, INTHUMATHI. P

Assistant Professor, Department of Chemical Engineering, Paavai Engineering College, Namakkal
E-mail: abiagroorg@gmail.com

Dr. GOPI. K


Associate Professor, Department of Chemical Engineering, Paavai Engineering College,
Namakkal

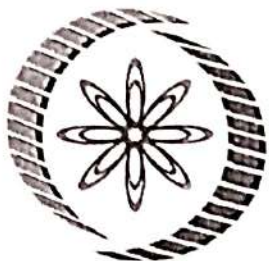
BALASUBRAMANIAN. R

HOD & Professor, Department of Chemical Engineering, Paavai Engineering College, Namakkal

ABSTRACT

Vitamins are very essential for human beings. It mostly supplied by diets. Vitamins are classified into fat soluble and water soluble. Accordingly they are called Vitamin A, D, E, K and B-complex vitamins respectively. Among those Vitamin B-Complex content was estimated from different sources like chicken egg, buffalo milk and goat milk and compared with each other to predict which of these sources having high content of vitamin B-complexes by thin layer chromatography, Spectrofluorophotometry quantitatively and qualitative analysis done by HPLC methods. Finally, cyanocobalamin (Vitamin B12) was enormously found in all the mentioned sources among all B-complex vitamins which was predicted by TLC. Quantitative analysis was done by spectrofluorophotometric method to estimate cyanocobalamin (Vitamin B-12) and it was found only egg mixed (both white and yolk) sample 2 contains high quantity of cyanocobalamin (Vitamin B- 12). Then Qualitative analysis was done to predict whether the content present in egg mixed (both white and yolk) sample 2 was cyanocobalamin (Vitamin B-12) by comparing with standard. It was concluded the cyanocobalamin (Vitamin B-12) was abundant in egg mixed (both white and yolk) sample 2 and revealed whole chicken egg will replace or supplement for cyanocobalamin (Vitamin B-12) which is essential as human diet.


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INDHUMATHI P

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with a consolidated score of **50** %

Online Assignments	13.44/25	Proctored Exam	36.75/75
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Total number of candidates certified in this course: 1177

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Roll No. NPTEL23CE89S743000117

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No. of credits recommended: 3 or 4

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International Society of Waste Management, Air and Water (ISWMAW)

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IconSWM-CE Excellence Award 2023 for Best Paper Presentation

Title of the Paper:

Bioethanol Production from Coconut Husk Using Fermentation Method

Presenting Authors: G. Swathi,

Co-author/s: D. Dhanaraja, P. Balaganesh, Namakkal



Prof. Dr. Sadhan K Ghosh

Chairman, IconSWM Excellence Award Committee,
Chairman, IconSWM-CE,
Founder & President, ISWMAW



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Certificate issued on November 29, 2023 from ISWMAW at KJSIM, VU, Mumbai, Maharashtra, India

Cellulose-Based Hydrogel Synthesis

Dr. Balaganesh. P, Nishalini. S, Allbright. C, Boobalan. N, Vino. S,

Department of Chemical Engineering , Paavai Engineering College (Autonomous), Namakkal, India

E-mail: nishalinisetsumadhavan@gmail.com

Abstract

This paper presents the synthesis and characterization of cellulose-based hydrogels tailored for agricultural use. The hydrogels were synthesized through a facile and environmentally friendly process involving the crosslinking of cellulose with a suitable crosslinker. Various characterization techniques including Fourier transform infrared spectroscopy (FTIR), scanning electron microscopy (SEM), and swelling studies were employed to assess the structural, morphological, and swelling properties of the hydrogels. The impact of different synthesis parameters such as cellulose concentration, crosslinker concentration, and reaction time on the properties of the hydrogels was investigated systematically. The potential of the synthesized hydrogels for agricultural applications, particularly as soil moisture retainers and nutrient carriers, was evaluated through in vitro and in situ studies. The results demonstrate that the cellulose-based hydrogels exhibit excellent water retention capacity and swelling behavior, making them promising candidates for improving soil moisture content and nutrient availability in agricultural settings. This research contributes to the development of sustainable and effective hydrogel-based solutions for enhancing agricultural productivity and sustainability.

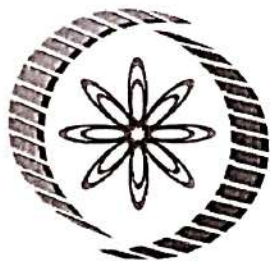
Keywords

Cellulose-based hydrogel, synthesis, characterization, agricultural applications, soil moisture retention, nutrient carrier.

Introduction

Background

The agricultural sector faces significant challenges in meeting the growing demand for food while minimizing environmental impact. One critical aspect of sustainable agriculture is the efficient utilization of water resources, especially in regions prone to drought and water scarcity. Hydrogels have emerged as promising materials for enhancing soil moisture



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Waste to Energy Conversion

with a consolidated score of **73** %

Online Assignments	22.5/25	Proctored Exam	50.51/75
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Total number of candidates certified in this course: 924

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Coordinator CEC

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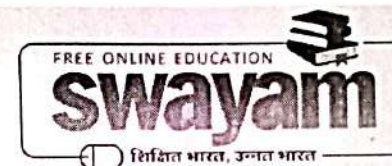
(8 week course)

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Prof. Ranjana Pathania,
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Indian Institute of Technology Roorkee



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No. of credits recommended: 2 or 3



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BALAGANESH P

for successfully completing the course

Waste to Energy Conversion

with a consolidated score of 73 %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



(Jan-Mar 2024)

Roll No: NPTEL24CH29S455500654

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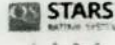
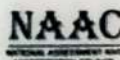
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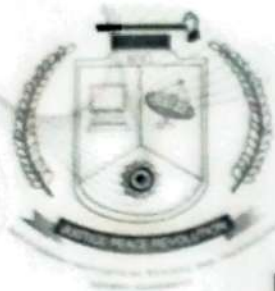
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DEPT. PACHAI Post, NAMAKKAL
SCIENCE AND HUMANITIES

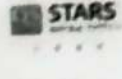
Dr. H. JEMMY CHRISTY
HEAD
DEPARTMENT OF BIOINFORMATICS



SATHYABAMA

Institute of Science and Technology
(Deemed to be University)

Accredited A++ by NAAC | 12B Status by UGC | Approved by AICTE



CERTIFICATE OF PARTICIPATION

AWARDED TO
M.D.S.RAJARUBAN

has successfully completed the Faculty Development Programme on
"Emerging Advancements in the Field of Computational Biology" conducted
by the Department of Bioinformatics from 23-01-2024 to 29-01-2024 at
Sathyabama Institute of Science and Technology

Dr. G.SUNDARI

DEAN
STUDENT AFFAIRS

Dr. REKHA CHAKRAVARTHI

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
DEAN, PACHAL Post, NAMAKKAL Dist.
SCIENCE AND HUMANITIES

Dr. H. JEMMY CHRISTY

HEAD
DEPARTMENT OF BIOINFORMATICS



NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

M D S RAJARUBAN

for successfully completing the course

Patent Drafting for Beginners

with a consolidated score of **58 %**


Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
44.7 PACHAL Post, NAMAKKAL Dis



(Jul-Aug 2023)

Roll No: NPTEL23HS94S45490028

Duration of NPTEL course : 4 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation course.
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18



SATHYABAMA

Institute of Science and Technology
(Deemed to be University)

Accredited A++ by NAAC | I2B Status by UGC | Approved by AICTE



NAAC



nirf



STARS



CERTIFICATE OF PARTICIPATION AWARDED TO S.GOWTHAM KUMAR

*has successfully completed the Faculty Development Programme on
"Emerging Advancements in the Field of Computational Biology" conducted
by the Department of Bioinformatics from 23-01-2024 to 29-01-2024 at
Sathyabama Institute of Science and Technology*

Dr. G. SUNDARI

DEAN
STUDENT AFFAIRS

Dr. REKHA CHAKRAVARTHI

PRINCIPAL
DEAN PAAVAI ENGINEERING COLLEGE
SCIENCE AND TECHNOLOGY Post, NAMAKKAL DISTRICT

Dr. H. JEMMY CHRISTY

HEAD
DEPARTMENT OF BIOINFORMATICS



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

S GOWTHAM KUMAR

for successfully completing the course

Patent Drafting for Beginners

with a consolidated score of **51** %

Online Assignments	17.83/25	Proctored Exam	33.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **768**

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,

Centre for Outreach and Digital Education, IITM



Indian Institute of Technology Madras

Jul-Aug 2023

(4 week course)

[Signature]
PRINCIPAL
PAAVAI ENGINEERING COLLEGE
14.7 PACHAL Post, NAMAKKAL Dist.

[Signature]

Prof. Andrew Thangaraj

NPTEL, Coordinator

IIT Madras





NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

S GOWTHAM KUMAR

for successfully completing the course

Advanced Aquaculture Technology

with a consolidated score of 53 %


Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras


PRINCIPAL
PAARVAI ENGINEERING COLLEGE
JNTU POTHALAPATI NAMAKKAL DIST



(Jul-Oct 2024)

Roll No: NPTEL24AG10S463401285

Duration of NPTEL course : 12 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 16th Nov, 2023, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2023



SATHYABAMA

Institute of Science and Technology
(Deemed to be University)

Accredited A++ by NAAC | I2B Status by UGC | Approved by AICTE



CERTIFICATE OF PARTICIPATION

AWARDED TO

V. THABITHA ZELIN RACHEL

*has successfully completed the Faculty Development Programme on
"Emerging Advancements in the Field of Computational Biology" conducted
by the Department of Bioinformatics from 23-01-2024 to 29-01-2024 at
Sathyabama Institute of Science and Technology*

Dr. G. SUNDARI

DEAN
STUDENT AFFAIRS

Dr. REKHA CHAKRAVARTHI PRINCIPAL

PAAVAI ENGINEERING COLLEGE
DEAN, PACHAL Post, NAMAKKAL Dist.
SCIENCE AND HUMANITIES

Dr. H. JEMMY CHRISTY

HEAD
DEPARTMENT OF BIOINFORMATICS



SATHYABAMA

Institute of Science and Technology
(Deemed to be University)

Accredited A++ by NAAC | I2B Status by UGC | Approved by AICTE



CERTIFICATE OF PARTICIPATION

AWARDED TO
S. ANITA

*has successfully completed the Faculty Development Programme on
"Emerging Advancements in the Field of Computational Biology" conducted
by the Department of Bioinformatics from 23-01-2024 to 29-01-2024 at
Sathyabama Institute of Science and Technology*

Dr. G. SUNDARI

DEAN
STUDENT AFFAIRS

Dr. REKHA CHAKRAVARTHI PRINCIPAL

PAAVAI ENGINEERING COLLEGE
DEAN H.7 PACHAL Post, NAMAKKAL Dis.
SCIENCE AND HUMANITIES

Dr. H JEMMY CHRISTY

HEAD
DEPARTMENT OF BIOINFORMATICS



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

ANITA S

for successfully completing the course

Cooling Technology: Why and How Utilized in

Food Processing and Allied Industries

with a consolidated score of **62** %

Online Assignments	23.13/25	Proctored Exam	39/75
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Total number of candidates certified in this course: **254**

Jan-Apr 2024

(12 week course)

PRINCIPAL

PAAVAI ENGINEERING COLLEGE
JH.7 PACHAL Post, NAMAKKAL Dis.

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24AG01S1063100753

To verify the certificate



No. of credits recommended: 3 or 4



SATHYABAMA

Institute of Science and Technology
(Deemed to be University)

Accredited A++ by NAAC | I2B Status by UGC | Approved by AICTE



NAAC



nirf

STARS



CERTIFICATE OF PARTICIPATION

AWARDED TO
P.HINDRAJITH

*has successfully completed the Faculty Development Programme on
"Emerging Advancements in the Field of Computational Biology" conducted
by the Department of Bioinformatics from 23-01-2024 to 29-01-2024 at
Sathyabama Institute of Science and Technology*

Dr. G.SUNDARI

DEAN
STUDENT AFFAIRS

Dr. REKHA CHAKRAVARTI

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
DEAN
JH.7, PACHAL Post, NAMAKKAL Dist.
SCIENCE AND HUMANITIES

Dr. H. JEMMY CHRISTY

HEAD
DEPARTMENT OF BIOINFORMATICS



SATHYABAMA

Institute of Science and Technology
(Deemed to be University)

Accredited A++ by NAAC | 12B Status by UGC | Approved by AICTE



CERTIFICATE OF PARTICIPATION

AWARDED TO
P. SANGEETHA

*has successfully completed the Faculty Development Programme on
"Emerging Advancements in the Field of Computational Biology" conducted
by the Department of Bioinformatics from 23-01-2024 to 29-01-2024 at
Sathyabama Institute of Science and Technology*

Dr. G. SUNDARI

DEAN
STUDENT AFFAIRS

Dr. REKHA CHAKRAVARTHI

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
DEAN
SCIENCE AND HUMANITIES

Dr. H JEMMY CHRISTY

HEAD
DEPARTMENT OF BIOINFORMATICS



GURU NANAK COLLEGE (AUTONOMOUS)

Affiliated to University of Madras & Accredited at 'A++' Grade by NAAC
An ISO 9001:2015 Certified Institution,
Guru Nanak Salai, Velachery, Chennai 600042



Guru Nanak Centre for Research
in Association with

G.S. Gill Research Institute



CERTIFICATE OF PRESENTATION

This is to certify that Mr. M.G. Karthih, Assistant Professor, B. Tech, Pharmaceutical Technology of Paavai Engineering College has participated and presented a paper (Oral) entitled Biosynthesis and Characterization of Silver Nanoparticles from *Drynaria quercifolia*: Wound Healing Application of Diabetic Patients at the International Conference on "Frontiers of Sustainable Research in Health Care, Food, Agriculture and Environmental Management" (ICSURE - 2024) Organized by Guru Nanak Centre for Research in association with G.S. Gill Research Institute, Guru Nanak College (Autonomous), Chennai- 600 042 held from 22.02.2024 to 23.02.2024.

Dr. E. GAYATHIRI
ORGANIZING SECRETARY

Dr. S.E. NOORJAHAN
CONVENOR-ICSURE-2024

Dr. T.K. AVVAI KOTHAI
PRINCIPAL

PRINCIPAL

MANJIT SINGH NAYAR
GENERAL SECRETARY & CORRESPONDENT



VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN

(Autonomous)

Approved by AICTE New Delhi, Affiliated to Anna University, Chennai, Accredited by NAAC (A++) & NBA Tier-I (CSE, EEE, ECE, BT & IT).
Elayampalayam - 637 205, Tiruchengode, Namakkal Dt., Tamil Nadu.



National Conference on "Recent Trends in Environment, Energy and Sustainability" REES'24



Organized by : Department of Biotechnology
in association with BRSI and AICTE IDEA Lab @ VCEW

Certificate of Merit

This is to certify that Dr. / Mr. / Ms. KARTHIK M G of PAAVAI ENGINEERING COLLEGE has participated / presented a paper / poster entitled ISOLATION FROM POLYHYDROXYLATED NAPHTHOQUINONE FROM Stenopneustes Variolans and won 3rd Prize in National Conference on "Recent Trends in Environment, Energy and Sustainability" - REES'24 held on 22nd & 23rd February - 2024 at Vivekanandha College of Engineering for Women, Tiruchengode.


Dr. M. RAJAMEHALA
Organizing Secretary


Dr. S. CHOZHAVENDHAN
Convenor


PRINCIPAL
Dr. K. K. VIJAYAKUMAR
Principal
PAAVAI ENGINEERING COLLEGE
14.7 PACHAL Post, NAMAKKAL Dt.


Prof. Dr. M. KARUNANITHI
Chairman & Secretary



P.S.R. ENGINEERING COLLEGE



An Autonomous Institution, Approved by AICTE & Affiliated to Anna University, Chennai.
Sivakasi - 626140, Virudhunagar Dt, Tamil Nadu, India

DEPARTMENT OF BIOTECHNOLOGY

National Conference

on

Smart Biomanufacturing : Integrating Industry 4.0 for
Sustainability - SBIIS 2024

CERTIFICATE

This is to certify that Prof./Dr./Mr./Ms...Karthik M.G......of.....Paavai.....
.....Engineering College, Namakkal..... has participated/presented (Paper/Poster)
entitled....Treatment of Insomnia using Herbal Beverages.....
..... in the
National Conference on Smart Biomanufacturing : Integrating Industry 4.0 for Sustainability
(SBIIS - 2024) organized by the Department of Biotechnology, P.S.R. Engineering College held on 12th March 2024.


Organizing Secretary


Convenor


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
H-1, HATCHAL Post, NAMAKKAL Dist.


Principal
Dr. J. S. Senthil Kumar



National Conference on
RECENT TRENDS IN BIOTECHNOLOGY RESEARCH
22 March 2024



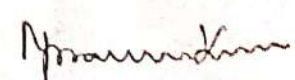
CERTIFICATE

This is to certify that Dr./Mr./Mrs./Ms KARTHIK . M.G. ASST. PROF.
of Paavai Engineering College, Namakkal.
has presented a paper/project/poster on the topic Optimization of Herbal
Mix for Treating Sleeplessness.
in National Conference on Recent Trends in Biotechnology Research held on 22 March
2024 at Arunai Engineering College, Tiruvannamalai, Tamilnadu, India.


Er.E.V.Kumaran
Vice Chairman


Dr.R. Sathiyaseelan
Registrar


Dr.R. Ravichandaran
Principal


Prof. R. Praveen Kumar
Head - BT & Chemical

PAVAI ENGINEERING COLLEGE
44-7, PACHAL Post, NAMAKKAL Dist



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
KARTHIH M G
for successfully completing the course
Cell Culture Technologies



with a consolidated score of **75** %

Online Assignments	22.5/25	Proctored Exam	52/75
--------------------	---------	----------------	-------

Total number of candidates certified in this course: 1634

Ratish

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Aug-Oct 2023
(8 week course)

Satyaki

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL23BT68S546001867

To verify the certificate



No. of credits recommended: 2 or 3

pn

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
NH-7 PACHAL Post, NAMAKKAL Dis



GURU NANAK COLLEGE (AUTONOMOUS)

Affiliated to University of Madras & Accredited at 'A++' Grade by NAAC
An ISO 9001:2015 Certified Institution,
Guru Nanak Salai, Velachery, Chennai 600042



Guru Nanak Centre for Research
in Association with

G.S. Gill Research Institute

CERTIFICATE




This is to certify that Dr./Mr./Ms. B. Dhevahi, Associate Professor of
Dept. Pharmaceutical Technology, Paavai Engineering College has participated / presented paper (Oral / Poster) entitled
A Review on Synthesis of Silver Nanoparticles and their Antidiabetic
Potential.

in the International Conference on "Frontiers of Sustainable Research in Health Care, Food, Agriculture and
Environmental Management" (ICSURE - 2024) organized by Guru Nanak Centre for Research in association
with G.S. Gill Research Institute, Guru Nanak College (Autonomous), Chennai- 600 042 held from 22.02.2024
to 23.02.2024.


Dr. E. GAYATHIRI
ORGANIZING SECRETARY


Dr. S.E. NOORJAHAN
CONVENOR-ICSURE-2024


Dr. T.K. AVVAI KOTHAIR
PRINCIPAL


MANJIT SINGH NAYAR
GENERAL SECRETARY & CORRESPONDENT


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
44.7 PACHAL Post, NAMAKKAL Dist.



P.S.R. ENGINEERING COLLEGE



An Autonomous Institution, Approved by AICTE & Affiliated to Anna University, Chennai.
Sivakasi - 626140, Virudhunagar Dt, Tamil Nadu, India

DEPARTMENT OF BIOTECHNOLOGY

National Conference

on

**Smart Biomanufacturing : Integrating Industry 4.0 for
Sustainability - SBIIS 2024**

CERTIFICATE

This is to certify that Prof./Dr./Mr./Ms. Dhevahi B of PAAVAI
Engineering College, Namakkal has participated/presented (Paper/Poster)
entitled Preparation of poly herbal mixture from the plants collected
from Kalli Hills to study for Hepato protective Activity in the
National Conference on Smart Biomanufacturing : Integrating Industry 4.0 for Sustainability
(SBIIS - 2024) organized by the Department of Biotechnology, P.S.R. Engineering College held on 12th March 2024.

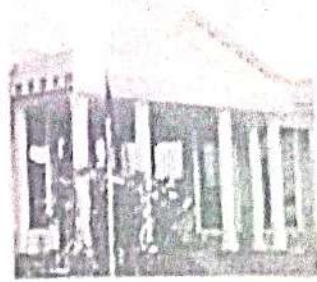

Organizing Secretary


Convenor
Dr. S. Sabarunisha Begum


Principal
Dr. J. S. Senthil Kumaar


PRINCIPAL

PAAVAI ENGINEERING COLLEGE
14-7, PACHAL Post, NAMAKKAL Dis.

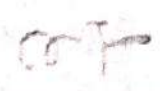



National Conference on
RECENT TRENDS IN BIOTECHNOLOGY RESEARCH
22 March 2024





CERTIFICATE

This is to certify that Dr./Mr./Mrs./Ms. DHEVAHIL B, ASSO. PROF.
of Paavai Engineering College, Namakkal.
has presented a paper/project/poster on the topic Exploring the hepatoprotective
potential of the polyherbal mixture extracted from plants
collected in Kolli Hills.
in National Conference on Recent Trends in Biotechnology Research held on 22 March
2024 at Arunai Engineering College, Tiruvannamalai, Tamilnadu, India.


Er.E.V.Kumaran
Vice Chairman


Dr.R. Sathiyaseelan
Registrar


PRINCIPAL
ARUNAI ENGINEERING COLLEGE
JH-7, PACHAL Post, NAMAKKAL Dist
Dr.R. Ravichandaran
Principal


Prof. R. Praveen Kumar
Head - BT & Chemical



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

DHEVAHI B

for successfully completing the course

Patent Drafting for Beginners



with a consolidated score of **82** %

Online Assignments	17.83/25	Proctored Exam	64.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **768**

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,
Centre for Outreach and Digital Education, IITM

Jul-Aug 2023

(4 week course)

Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23HS94S45540801

To verify the certificate



No. of credits recommended: 1 or 2

Principal
PRINCIPAL
PAAVAI ENGINEERING COLLEGE
4th.7, PACHAL Post, NAMAKKAL Dis



GURU NANAK COLLEGE (AUTONOMOUS)

Affiliated to University of Madras & Accredited at 'A++' Grade by NAAC
An ISO 9001:2015 Certified Institution,
Guru Nanak Salai, Velachery, Chennai 600042



TNSCST

Guru Nanak Centre for Research in Association with G.S. Gill Research Institute CERTIFICATE




This is to certify that Dr./Mr./Ms. S. Pragathi, Assistant Professor of
Dept. Pharmaceutical Technology, Paavai Engineering College has participated / presented paper (Oral / Poster) entitled
Biosynthesis of Manganese Oxide Nanoparticles from Citrus Injustrine for treating skin
Rashes.

in the International Conference on "Frontiers of Sustainable Research in Health Care, Food, Agriculture and
Environmental Management" (ICSURE - 2024) organized by Guru Nanak Centre for Research in association
with G.S. Gill Research Institute, Guru Nanak College (Autonomous), Chennai- 600 042 held from 22.02.2024
to 23.02.2024.


Dr. E. GAYATHIRI
ORGANIZING SECRETARY


Dr. S.E. NOORJAHAN
CONVENOR-ICSURE-2024


Dr. T.K. AVVAI KOTHAI
PRINCIPAL


MANJETH NARAYAN
GENERAL SECRETARY & CORRESPONDENT

PAVAI ENGINEERING COLLEGE
1117, PACHAI POOL, NAMAKKAL DIST.



VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN

(Autonomous)

Approved by AICTE New Delhi, Affiliated to Anna University, Chennai, Accredited by NAAC (A++) & NBA Tier-I (CSE, EEE, ECE, BT & IT).
Elayampalayam - 637 205, Tiruchengode, Namakkal Dt., Tamil Nadu.



National Conference on
"Recent Trends in Environment, Energy and Sustainability" REES'24

Organized by : Department of Biotechnology
in association with BRSI and AICTE IDEA Lab @ VCEW

Certificate of Merit

This is to certify that Dr. / Mr. / Ms.PRAGATHI.....S..... of.....
.....PAAVAI.....ENGINEERING.....COLLEGE..... has
participated / presented a paper / poster entitled ..ISOLATION...FROM...POLY-HYDROXYLATED NAPHTHOQUINONE
FROM.....Stenopneustes.....Varicellans..... and won3rd Prize.....
in National Conference on "Recent Trends in Environment, Energy and Sustainability" - REES'24 on 22nd & 23rd
February - 2024 at Vivekanandha College of Engineering for Women, Tiruchengode.

Dr. M. RAJAMEHALA
Organizing Secretary

Dr. S. CHOZHAVENDHAN
Convener

PRINCIPAL
Dr. KCK VIJAYAKUMAR
PAAVAI ENGINEERING COLLEGE
14-7, PACHAL Post, NAMAKKAL
Principal

Prof. Dr. M. KARUNANITHI
CHAIRMAN & SECRETARY



P.S.R. ENGINEERING COLLEGE



An Autonomous Institution, Approved by AICTE & Affiliated to Anna University, Chennai.
Sivakasi - 626140, Virudhunagar Dt, Tamil Nadu, India

DEPARTMENT OF BIOTECHNOLOGY

National Conference

on

Smart Biomanufacturing : Integrating Industry 4.0 for
Sustainability - SBIIS 2024

CERTIFICATE

This is to certify that Prof./Dr./Mr./Ms. Pragathi S of Paavai
Engineering College, Namakkal has participated/ presented (Paper/Poster)
entitled preparation of Gel incorporated with manganese oxide
nanoparticles from citrus Hystrix : Treating Skin Rashes in the
National Conference on Smart Biomanufacturing : Integrating Industry 4.0 for Sustainability
(SBIIS - 2024) organized by the Department of Biotechnology, P.S.R. Engineering College on 12th March 2024.


Organizing Secretary


Convenor

Dr. S. Sabarunisha Begum

Principal

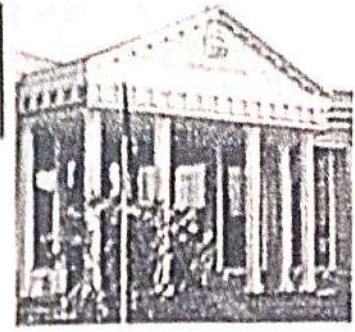
Dr. J. S.

Principal

Dr. J. S. Kumar

PAAVAI ENGINEERING COLLEGE

11.7, PACHAL Post, NAMAKKAL Dist



National Conference on
RECENT TRENDS IN BIOTECHNOLOGY RESEARCH
22 March 2024



In association with



Biotech Research Society of India

CERTIFICATE

This is to certify that Dr./Mr./Mrs./Ms PRAGATHI S. ASST. PROF
of Paavai Engineering College, Namakkal
has presented a paper/project/poster on the topic Formulation of Anti-aging
Herbal Tea by using Edible Flowers
in National Conference on Recent Trends in Biotechnology Research held on 22 March
2024 at Arunai Engineering College, Tiruvannamalai, Tamilnadu, India.

PRINCIPAL

PAVAI ENGINEERING COLLEGE
PACHAL Post, NAMAKKAL Dist.

Er.E.V.Kumaran
Vice Chairman

Dr.R. Sathiyaseelan
Registrar

Dr.R. Ravichandaran
Principal

Prof. R. Praveen Kumar
Head - BT & Chemical



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
PRAGATHI S
for successfully completing the course

Animal Physiology

with a consolidated score of **67** %

Online Assignments	23.13/25	Proctored Exam	43.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: 856

Pathish

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Jul-Oct 2023
(12 week course)

Satyaki Roy

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL23BT67S743000943

To verify the certificate



No. of credits recommended: 3 or 4

Pn
PRINCIPAL

PAAVAI ENGINEERING COLLEGE
H-7, PACHAL Post, NAMAKKAL Dist.



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

PRAGATHI S

for successfully completing the course

Dairy and Food Process and Products Technology

with a consolidated score of **62** %

Online Assignments	23.44/25	Proctored Exam	38.27/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: 1335

Jul-Oct 2023

(12 week course)

Banerji

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23AG18S543000360

To verify the certificate



No. of credits recommended: 3 or 4

[Signature]

PRINCIPAL

PAAVAI ENGINEERING COLLEGE
14-7 PACHAL Post, NAMAKKAL Dist.



INSTITUTE OF INNOVATIONS

Tiruvannamalai, Tamilnadu, India

Registered MSME, Government of India MSME
Udyam Registration Number : UDYAM-TN-29-0001497



MSME

MINISTRY OF MSME, GOVT. OF INDIA

CERTIFICATE

This Certificate is to Certify that

MS. ILAKYA SELVAKUMAR

Assistant Professor

Department of Pharmaceutical Technology

Paavai Engineering College, Pachal

has successfully completed 15 days

Certificate Course & Internship

on Artificial Intelligence and Machine Learning approaches for Drug and Vaccine Design in Cancer during 08 - 22 January 2024. This certificate has been presented based on the candidate's satisfactory performance in the final assessment.

Certificate number : 2023AIMLD125

This certificate is designed and issued by www.hitechdocs.com. Institutes and Employers can validate this certificate by sending an email to us ecertificates@hitechdocs.com



R. Praveen Kumar

R. Praveen Kumar

Managing Director

22.01.2024

<http://innovationinstitute.co.in/>

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
14.7 PACHAL Post, NAMAKKAL Dist.



VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN

(Autonomous)

Approved by AICTE New Delhi, Affiliated to Anna University, Chennai, Accredited by NAAC (A++) & NBA Tier-I (CSE, EEE, ECE, BT & IT).
Elayampalayam - 637 205, Tiruchengode, Namakkal Dt., Tamil Nadu.



National Conference on
"Recent Trends in Environment, Energy and Sustainability" REES'24

Organized by : Department of Biotechnology
in association with BRSI and AICTE IDEA Lab @ VCEW

Certificate of Merit

This is to certify that Dr. / Mr. / Ms. ADAIKALA SELVAN G. of PAAVAI ENGINEERING COLLEGE has participated / presented a paper / poster entitled ISOLATION FROM POLYHYDROXYLATED NAPHTHOQUINONE FROM Stenopneustes Varianalis and won 3rd Prize in National Conference on "Recent Trends in Environment, Energy and Sustainability" - REES'24 held on 22nd & 23rd February - 2024 at Vivekanandha College of Engineering for Women, Tiruchengode.

Dr. M. RAJAMEHALA
Organizing Secretary

Dr. S. CHOZHAVENDHAN
Convenor

Dr. KCK. VIJAYAKUMAR
Principal

Prof. Dr. M. KARUNANITHI
Chairman & Secretary

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
14.7 PACHAL Post, NAMAKKAL Dis.



P.S.R. ENGINEERING COLLEGE



An Autonomous Institution, Approved by AICTE & Affiliated to Anna University, Chennai.
Sivakasi - 626140, Virudhunagar Dt, Tamil Nadu, India

DEPARTMENT OF BIOTECHNOLOGY

National Conference

on

Smart Biomanufacturing : Integrating Industry 4.0 for
Sustainability - SBIIS 2024


CERTIFICATE

This is to certify that Prof./Dr./Mr./Ms. Adaikala Selvan G of Paavai
Engineering College Namakkal has participated/presented (Paper/Poster)
entitled Treatment of Insomnia using Herbal Beverages
in the
National Conference on Smart Biomanufacturing : Integrating Industry 4.0 for Sustainability
(SBIIS - 2024) organized by the Department of Biotechnology, P.S.R. Engineering College held on 12th March 2024.

 P. J. J.
Organizing Secretary


Convenor

Dr. S. Sabarunisha Begum


Principal

Dr. J. S. Senthil Kumaar



PRINCIPAL

PAAVAI ENGINEERING COLLEGE
JH-7 PACHAL Post, NAMAKKAL Dis



National Conference on
RECENT TRENDS IN BIOTECHNOLOGY RESEARCH
22 March 2024



Biotech Research Society of India

CERTIFICATE

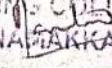
This is to certify that ~~Dr./Mr./Mrs./Ms~~ ADAIKALA SELVAN, G. ~~ASST. PROF~~
of Paavai Engineering college, Namakkal.
has presented a paper/project/poster on the topic Optimization of Herbal
Mix for Treating Sleeplessness.
in National Conference on Recent Trends in Biotechnology Research held on 22 March
2024 at Arunai Engineering College, Tiruvannamalai, Tamilnadu, India.

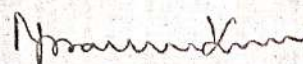
PRINCIPAL

PAVAI ENGINEERING COLLEGE
IN PACHAL Post, NAMAKKAL Dis.


Er.E.V.Kumaran
Vice Chairman


Dr.R. Sathiyaseelan
Registrar


Dr.R. Ravichandaran
Principal


Prof. R. Praveen Kumar
Head - BT & Chemical



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

M BHARANIESWARI

for successfully completing the course

Innovation, Business Models and Entrepreneurship

with a consolidated score of **48** %

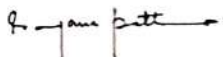
Online Assignments	15.21/25	Proctored Exam	33/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: 984


Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator CEC

Aug-Oct 2023
(8 week course)


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
141.7. PACHAL Post. NAMAKKAL Dist.


Prof. Ranjana Pathania,
Professor (BSBE)
Coordinator (NPTEL)



Indian Institute of Technology Roorkee



Roll No: NPTEL23MG116S843000669

To verify the certificate



No. of credits recommended: 2 or 3



K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215, Namakkal Dt. Tamil Nadu



DEPARTMENT OF MANAGEMENT STUDIES

Certificate of Participation

This Certificate is presented to

M.Bharani Eswari

Assistant professor, Paavai Engineering College

for participating in the Five Days Virtual Faculty Development Programme on
"Enhancing Research Paper and Case Study writing for Top Tier publications"
during May 21-25, 2024.



Dr H Kalaiarasi
FDP Coordinator

Dr M Vijayakumar **PRINCIPAL**
HoD - MPAVAI ENGINEERING COLLEGE
11.7 PACHAL Post, NAMAKKAL Dt. Tamil Nadu
Dr. R. Gopalakrishnan
Principal

Certificate ID: KSRCT0524MBFDPA123

Date: 25.04.2024



K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215, Namakkal Dt. Tamil Nadu



DEPARTMENT OF MANAGEMENT STUDIES

Certificate of Participation

This Certificate is presented to

SHEELA A

Assistant professor, Paavai Engineering College

for participating in the Five Days Virtual Faculty Development Programme on
"Enhancing Research Paper and Case Study writing for Top Tier publications"
during May 21-25, 2024.




Dr H Kalaierasi
FDP Coordinator


Dr M Vijayakumar
HoD - ME


PRINCIPAL Dr.R.Gopalakrishnan
PAAVAI ENGINEERING COLLEGE
11-7, PACHAL Post, NAMAKKAL Dt.

Certificate ID: KSRCT0524MBFDPA132 Date: 03.06.2024



ICATS-2024

INTERNATIONAL CONFERENCE ON ADAPTIVE TECHNOLOGIES FOR SUSTAINABLE GROWTH
(9th Edition)

CERTIFICATE OF PARTICIPATION

This is to certify that

Senthilvelan S,MCA,Paavai Engineering Collge

Presented a Paper Titled

Network Traffic Classification using Machine Learning

in the International Conference organized by Paavai Engineering College (Autonomous), Namakkal, Tamilnadu

on 27th April 2024


Convener


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
NH.7, PACHAL Post. NAMAKKAL Dist.


Principal


Director-Admin



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
SENTHILVELAN SAMBAMOORTHY
for successfully completing the course

Computer Networks and Internet Protocol

with a consolidated score of **66** %

Online Assignments	23.53/25	Proctored Exam	42/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: 16650

Jan-Apr 2024
(12 week course)

PRINCIPAL
PAVAI ENGINEERING COLLEGE
4th-7, PACHAL Post, NAMAKKAL Dist.

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS195454500155

To verify the certificate



No. of credits recommended: 3 or 4



ICATS-2024

INTERNATIONAL CONFERENCE ON ADAPTIVE TECHNOLOGIES FOR SUSTAINABLE GROWTH
(9th Edition)

CERTIFICATE OF PARTICIPATION

This is to certify that

Dr.V AnnaPorani,MCA,Paavai Engineering College

Presented a Paper Titled

Facial Recognition-Based Attendance Monitoring System

in the International Conference organized by Paavai Engineering College (Autonomous), Namakkal, Tamilnadu

on 27th April 2024


Convener


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
NH.7 PACHAL Post. NAMAKKAL Dist.


Principal


Director-Admin



SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

Ramapuram Campus

Faculty of Science and Humanities


(A Place for Transformation)

DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS (BCA)

FDP on Teaching Strategies - A Pedagogy

This is to certify that Mr/Ms/Mrs/Dr V. ANNAPOORANI from PAAVAI ENGINEERING COLLEGE has participated in One Week Online National Level Faculty Development Program on Teaching Strategies - A Pedagogy held from 16.02.2024 to 22.02.2024.


Dr. S. Uma Shankari
Program Coordinator


Dr. J. Dhiliphan
HOD & VP (Academic)

PRINCIPAL


Dr. V. Saravanan
VP (Academic)


MAJ. Dr. M. Venkatramanan
Dean (S & H)



ICATS-2024

INTERNATIONAL CONFERENCE ON ADAPTIVE TECHNOLOGIES FOR SUSTAINABLE GROWTH
(9th Edition)

CERTIFICATE OF PARTICIPATION

This is to certify that

Rathnakumar C,MCA,Paavai Engineering College

Presented a Paper Titled

Fake news Classification using Machine Learning

in the International Conference organized by Paavai Engineering College (Autonomous), Namakkal, Tamilnadu

on 27th April 2024


Convener


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
NH.7 PACHAL Post. NAMAKKAL Dist.


Principal


Director-Admin



Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



Skill India
असतो मा सद्गमय



This certificate is awarded to
RATHNAKUMAR C
for successfully completing the course
Computer Networks

with a consolidated score of **80** %

Online Assignments	24.56/25	Proctored Exam	55.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: 33131

Jul-Oct 2023

(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

PRINCIPAL
PAVYA ENGINEERING COLLEGE
SALT PALAH PUNE, KARNATAKA, IN



Indian Institute of Technology Kharagpur



Roll No: NPTEL24051155762200101

To verify the certificate



No. of credits recommended: 2 of 4



ICATS-2024

INTERNATIONAL CONFERENCE ON ADAPTIVE TECHNOLOGIES FOR SUSTAINABLE GROWTH
(9th Edition)

CERTIFICATE OF PARTICIPATION

This is to certify that

Geetha M, MCA, Network Traffic Classification Using Machine learning

Presented a Paper Titled

Network Traffic Classification Using Machine Learning

in the International Conference organized by Pavaai Engineering College (Autonomous), Namakkal, Tamilnadu

on 27th April 2024


Convener


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
NH.7 PACHAL Post. NAMAKKAL Dist.


Principal


Director-Admin



SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

Ramapuram Campus

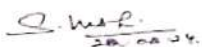
Faculty of Science and Humanities

(A Place for Transformation)

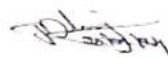
DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS (BCA)

FDP on Teaching Strategies - A Pedagogy

This is to certify that Mr/Ms/Mrs/Dr **M.GEETHA** from **PAAVAI ENGINEERING COLLEGE** has participated in One Week Online National Level Faculty Development Program on **Teaching Strategies - A Pedagogy** held from 16.02.2024 to 22.02.2024.

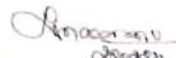

Dr. S. Uma Shankari

Program Coordinator


Dr. J. Dhiliphan

HOD & VP(Admin)

PRINCIPAL


Dr. V. Saravanan

VP (Academic)


MAJ. Dr M. Venkatramanan

Dean (S & H)



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

M MAHESWARI

for successfully completing the course

Cloud Computing

with a consolidated score of **63** %

Online Assignments	25/25	Proctored Exam	37.5/75
--------------------	-------	----------------	---------

Total number of candidates certified in this course: 16686



Jul-Oct 2023

(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS89S546000033

To verify the certificate



No. of credits recommended: 3 or 4



SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

Ramapuram Campus

Faculty of Science and Humanities

(A Place for Transformation)

DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS (BCA)

FDP on Teaching Strategies - A Pedagogy

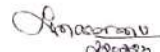
This is to certify that Mr/Ms/Mrs/Dr M.MAHESWARI from PAAVAI ENGINEERING COLLEGE has participated in One Week Online National Level Faculty Development Program on Teaching Strategies - A Pedagogy held from 16.02.2024 to 22.02.2024.


28.02.24

Dr. S. Uma Shankari
Program Coordinator



Dr. J. Dhiliphan PRINCIPAL
HOD & VP (Admin)


Dean

Dr. V. Saravanan
Vice-Chancellor (Academic)


Dean

MAJ. Dr. M. Venkatramanan
Dean (S & H)



ICATS-2024

INTERNATIONAL CONFERENCE ON ADAPTIVE TECHNOLOGIES FOR SUSTAINABLE GROWTH
(9th Edition)

CERTIFICATE OF PARTICIPATION

This is to certify that

Deepika R,MCA,Paavai Engineering College

Presented a Paper Titled

Enhanced Detection and Prevention from SQL Attack

in the International Conference organized by Paavai Engineering College (Autonomous), Namakkal, Tamilnadu

on 27th April 2024


Convener


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
NH.7 PACHAL Post. NAMAKKAL Dist.


Principal


Director-Admin



KONGU ENGINEERING COLLEGE, (AUTONOMOUS)
PERUNDURAI, TAMIL NADU, INDIA
IN ASSOCIATION WITH
COLLEGE OF COMPUTING & INFORMATION SCIENCES
UNIVERSITY OF TECHNOLOGY AND APPLIED SCIENCES-IBRI, OMAN

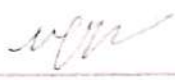
جامعة البتراء
جامعة التكنولوجيا
والتقنية التطبيقية
جامعة البتراء

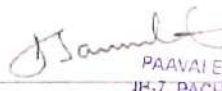
CERTIFICATE OF PARTICIPATION


This is to certify that

Mrs.R.Deepika

of Paavai Engineering College has
attended in International One Week Faculty Development Programme
(Online) on “Deep Learning Techniques for Social Media Analytics”,
held from 15.04.2024 to 20.04.2024.


Dr.M.Pyingkodi
Co-ordinator


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
JH-7, PACHAL Post, NAMAKKAL
Dr.A.Tamilarasi
Organizing Secretary
HOD - MCA
(India)


Mrs.Amal Bati Said AL Abri
Organizing Secretary
HOD - IT
(Oman)



SRI SAI

REC

SRI SAI RANGANATHAN
ENGINEERING COLLEGE

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai



Proudly Presents

International Conference on Innovation in Intelligence and Informatics

ICI₃' 2k24

CERTIFICATE

This is to certify that Dr. / Prof. / Mr. / Mrs. / Ms. K. SELVI of
PAVAI ENGINEERING COLLEGE has presented a paper
titled OVARIAN CYST CLASSIFICATION WITH A LIGHTWEIGHT DEEP LEARNING MODEL FOR ULTRASOUND IMAGES
in the International Conference on Innovation in Intelligence and Informatics (ICI₃' 2k24) held on
20.04.2024 at Sri Sai Ranganathan Engineering College, Coimbatore.

PRINCIPAL
PRINCIPAL ENGINEERING COLLEGE
14-7, PACHAL Post, NAMAKKAL


CHAIRMAN

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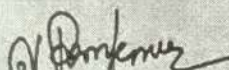
Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai, Accredited by NBA (CSE, ECE, EEE & MECH),
Accredited by NAAC, Recognized by UGC with 2(f) & 12(B) and ISO 9001:2015 Certified Institution

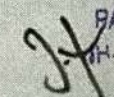
Namakkal - Trichy Main Road, Tholurpatti (Post), Thottiam (Taluk), Trichy (Dt.) - 621 215, Tamilnadu, India.
8th National Conference

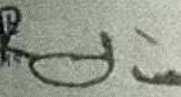
on
Innovations in Computing and Communication Technology (NCICCT-2024)
Organized by
Department of AD, CSE and IT

●● Certificate of Participation ●●

This is to certify that Dr./Prof./Mr./Ms./Mrs. K.SELVI from
Paavai Engineering College (Autonomous) has
Presented a Paper Titled on Toxic Comments Classifications
Using Machine Learning. in the
8th National Conference on "Innovations in Computing and Communication Technology
(NCICCT-2024)" on 5th April 2024 organized by the Department of AD, CSE and IT at Kongunadu
College of Engineering and Technology, Trichy.


HoD


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
H-7 PACHAL Post, NAMAKKAL Dt.
Dean(R&D)


Principal



CVR COLLEGE OF ENGINEERING

An UGC Autonomous Institution, NAAC 'A' Grade, NBA Accredited
Vastunagar, Mangalpally (V), Ibrahimpatan (M), Rangareddy (D), Telangana - 501510

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING PARTICIPATION CERTIFICATE

This is to certify that Dr./Mr./Mrs/Ms. Dr.P.MUTHUSAMY
of PAAVAI ENGINEERING COLLEGE has successfully participated in
a One Week (Online) Faculty Skill Development Programme on "**Outcome Based Education**" held from 29.01.2024 to 02.02.2024 organized by the Department of
Electronics & Instrumentation Engineering, CVR College of Engineering,
Ibrahimpatnam, R.R. Dist, Telangana State, India.

Coordinator
Mr. D. Shyam Prasad

Coordinator
Dr. Narendra B. Mustare

PRINCIPAL
PAVAI ENGINEERING COLLEGE
M-7 PACHAL Post, NAMAKKAL DIS.

Convener & HoD
Dr.S.Harivardhagini

Principal
Dr.K.Ramamohan Reddy

KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY

(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
S.P.G. Chidambara Nader - C. Negammai Campus
S.P.G.C Nagar, K. Vellakulam - 625 701, (Near VIRUDHUNAGAR).



**KAMARAJ INTERNATIONAL CONFERENCE ON
RECENT TRENDS IN SCIENCE, ENGINEERING
AND TECHNOLOGY - KIRSET'24**

**CERTIFICATE
OF PRESENTATION**

This certificate is presented to

Dr. G. MADASAMY RAJA

of

PAAVAI ENGINEERING COLLEGE

*for presenting a paper in **KAMARAJ International Conference
on Recent Trends in Science, Engineering and Technology,
2024 (KIRSET'24)** organised by Kamaraj College of Engineering and
Technology, K. Vellakulam (Near Virudhunagar) on 16th April 2024.*

[Signatures of Coordinators]

Coordinators

[Signatures of Conveners]

Conveners

[Signature of Principal]

Principal

PRINCIPAL

PAAVAI ENGINEERING COLLEGE

4R-7, PACHAL Post, NAMAKKAL

Certificate ID: KCET/KIRSET'24/1106/174



**KAMARAJ INTERNATIONAL CONFERENCE ON
RECENT TRENDS IN SCIENCE, ENGINEERING
AND TECHNOLOGY - KIRSET'24**

**CERTIFICATE
OF PRESENTATION**

This certificate is presented to

Dr. G. MADASAMY RAJA
of

PAAVAI ENGINEERING COLLEGE

*for presenting a paper in **KAMARAJ International Conference
on Recent Trends in Science, Engineering and Technology,
2024 (KIRSET'24)** organised by Kamaraj College of Engineering and
Technology, K. Vellakulam (Near Virudhunagar) on 16th April 2024.*

L. Doray T. Raja K. Jutha

Coordinators

P. S. Saravanan M. S. Saravanan

Conveners

[Signature]
PRINCIPAL
PAAVAI ENGINEERING COLLEGE
H-7, PACHAL Post, NAMAKKAL DIST.
Principal

**KAMARAJ INTERNATIONAL CONFERENCE ON
RECENT TRENDS IN SCIENCE, ENGINEERING
AND TECHNOLOGY - KIRSET'24**

**CERTIFICATE
OF PRESENTATION**

This certificate is presented to

Dr.B.VENKATESAN

of

PAAVAI ENGINEERING COLLEGE

*for presenting a paper in **KAMARAJ International Conference
on Recent Trends in Science, Engineering and Technology,
2024 (KIRSET'24)** organised by Kamaraj College of Engineering and
Technology, K. Vellakulam (Near Virudhunagar) on 16th April 2024.*

L. Danyal T. Patta *K. Jeyanthan*

Coordinators

P. S. An *Alen* *D. Sange*

Conveners

Principal
PRINCIPAL

PAAVAI ENGINEERING COLLEGE
Principal
H.7. PACHAL Post, NAMAKKAL Dis

Certificate ID: KCET/KIRSET'24/1030/31



KARPAGAM
INSTITUTE OF TECHNOLOGY
Inspiring Innovation

Approved by AICTE and Affiliated to Anna University
NBA Accredited (CSE, IT, ECE) [Accredited by NAAC with 'A++' grade
(An ISO 9001:2015 and ISO 14001:2015 Certified Institution)]



IASICT'24



**International Conference on Artificial Intelligence, Cyber Security,
IoT and Computing Technologies**

Certificate of Participation

This is to certify that Mr./Ms./Dr. **Venkatesan.B** of **Department of IT, Paavai Engineering College** has presented a paper titled **Prediction and Analysis of Road Safety Management** in the International Conference on Artificial Intelligence, Cyber Security, IoT and Computing Technologies (IASICT'24) organised by Karpagam Institute of Technology held on 05.04.2024.

Dr.K.KARUNAMBIGA
CONVENER / CSE

PRINCIPAL
PAVAI ENGINEERING COLLEGE
H-7, PACHAL Post, NAMAKKAL Dis.

Dr.R.NALLAKUMAR
CONVENER / AI&DS

Mr.V.DINESHBABU
CONVENER / IT

Dr.P.MANIMARAN
PRINCIPAL





NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

DR B VENKATESAN

for successfully completing the course

Cloud Computing

with a consolidated score of **57** %

Online Assignments	24.44/25	Proctored Exam	32.29/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **16686**

Jul-Oct 2023

(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
H-7, PACHAL Post, NAMAKKAL Dis.



Roll No: NPTEL23CS89S534500050

To verify the certificate



No. of credits recommended: 3 or 4



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ARASU ENGINEERING COLLEGE

Approved by AICTE-Affiliated to Anna University - Accredited by NAAC - Accredited by NBA - Recognized by UGC Under 2(f) and 12(B)
Chennai Main Road, Kumbakonam-612 501



INSTITUTION'S
INNOVATION
COUNCIL
Member of AICTE

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

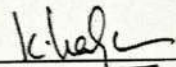
International Conference


On

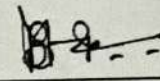
Applications of AI & IoT in Power and Energy Systems (ICAAIIPES)

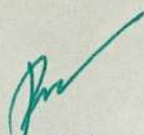
Certificate

This is to certify that Dr. / Mr. / Mrs. / Ms. PUSHPALATHA. M.
ASSOCIATE PROFESSOR of PAAVAI ENGINEERING COLLEGE
Presented a paper titled INTERACTIVE AI INFUSED CHATBOT
FOR TREATMENT OF MENTAL ILLNESS
in the International Conference ICAAIIPES conducted on 24th APRIL 2024.


Coordinator
Dr. K. Kalpana


Convener
Dr. R. Pazhanimurugan


Principal
Dr. T. Balamurugan


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
NH.7, PACHAL Post, NAMAKKAL Dist.





DHAANISH AHMED
INSTITUTE OF TECHNOLOGY
K.G, Chavadi, Coimbatore



(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai) An ISO 9001:2015 Certified Institution



**7th EDITION INTERNATIONAL CONFERENCE ON
RECENT DEVELOPMENT IN ENGINEERING & TECHNOLOGY**

ICRDET'24

CERTIFICATE OF PARTICIPATION

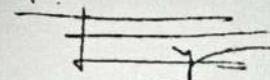
M. PUSHPALATHA

This is to Certify that Prof/ Dr./Mr./Ms./Mrs.
of **Paavai Engineering College (Autonomous)** has presented a paper on
Leveraging Deep Learning in Cloud Application Development and Management

..... in International Conference on Recent Developments in Engineering & Technology
organized by Dhaanish Ahmed Institute of Technology on 6th April 2024


CONVENOR

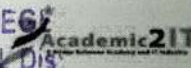

PRINCIPAL


CEO

PRINCIPAL

PAAVAI ENGINEERING COLLEGE
1147 PACHALPOSE, MAKKAL, DIST.

In Association with Knowledge Partners



HANODALE



Print Media Support By Ganapathy Xerox, Coimbatore



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

PUSHPALATHA M

for successfully completing the course

Problem Solving Through Programming in C

with a consolidated score of **55** %

Online Assignments	22.06/25	Proctored Exam	33.25/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **3857**

Jul-Oct 2023

(12 week course)

PRINCIPAL

PAAVAI ENGINEERING COLLEGE
4H-7 PACHAL Post, NAMAKKAL DIST.

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS121S543000016

To verify the certificate



No. of credits recommended: 3 or 4



Scanned with OKEN Scanner



**1st INTERNATIONAL CONFERENCE ON DATA ANALYTICS
AND INTELLIGENCE COMPUTING-2024
(ICDAIC'24)**

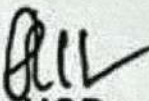


CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr./Mr./Ms. N. HEMALATHA of
PAAVAI ENGINEERING COLLEGE has presented a paper
titled EMPLOYEE TIMESHEET
in 1st International Conference on Data Analytics and Intelligence Computing organized
by the Department of Artificial Intelligence and Data Science, Velammal Institute of
Technology, Chennai, TamilNadu, India on April 06, 2024.


COORDINATORS

Dr. Prameeladevi Chillakuru
Ms. K. Sudha

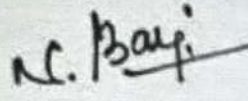

HOD

Dr. S. Padma Priya


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
VELAMMAL
INSTITUTE OF TECHNOLOGY


VICE PRINCIPAL

Dr. S. Soundararajan


PRINCIPAL

Dr. N. Balaji



**1st INTERNATIONAL CONFERENCE ON DATA ANALYTICS
AND INTELLIGENCE COMPUTING-2024
(ICDAIC'24)**



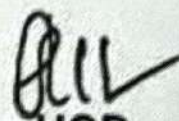
CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr./Mr./Ms. Dr. S. SARAVANAKUMAR of
PAAVAI ENGINEERING COLLEGE has presented a paper
titled EMPLOYEE TIMESHEET

in 1st International Conference on Data Analytics and Intelligence Computing organized
by the Department of Artificial Intelligence and Data Science, Velammal Institute of
Technology, Chennai, TamilNadu, India on April 06, 2024.


COORDINATORS

Dr. Prameeladevi Chillakuru
Ms. K. Sudha


HOD

Dr. S. Padma Priya

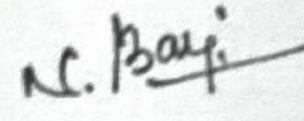



PRINCIPAL

PAAVAI ENGINEERING COLLEGE
VELAMMAL INSTITUTE OF TECHNOLOGY


VICE PRINCIPAL

Dr. S. Soundararajan


PRINCIPAL

Dr. N. Balaji

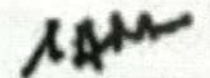
Certificate Of Participation

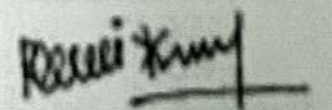
Awarded To

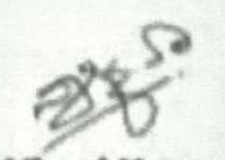
Mr. R. DEENADHAYALAN

Participated in 10 Hours National Faculty Development Program on
NLP, Computer Vision and Artificial Intelligence
organized by Andhra Pradesh State Skill Development Corporation (APSSDC) in
Collaboration with ExcelR Edtech Pvt. Ltd.
Date: 4th Dec to 8th Dec 2023.

Cert No: EXCEL R-AP-40369/15122023


Ram Tavva
CEO, ExcelR


Dr. Gujjula Ravi
Chief General Manager-
Technical, APSSDC


Dr. Vinod Kumar V.
IAS, Managing Director & Chief
Executive Officer, APSSDC

PRINCIPAL
PAVAI ENGINEERING COLLEGE
M-7, PACHAL Post, NAMAKKAL Dist



**1st INTERNATIONAL CONFERENCE ON DATA ANALYTICS
AND INTELLIGENCE COMPUTING-2024
(ICDAIC'24)**



CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr./Mr./Ms. V. SARAVANABHAVAN of
PAAVAI ENGINEERING COLLEGE has presented a paper
titled EMPLOYEE TIMESHEET

in 1st International Conference on Data Analytics and Intelligence Computing organized
by the Department of Artificial Intelligence and Data Science, Velammal Institute of
Technology, Chennai, TamilNadu, India on April 06, 2024.


COORDINATORS


Dr. Prameeladevi Chillakuru
Ms. K. Sudha


HOD

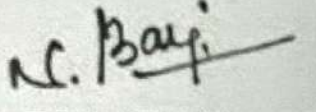
Dr. S. Padma Priya




PRINCIPAL


VICE PRINCIPAL

Dr. S. Soundararajan


PRINCIPAL

Dr. N. Balaji



1st INTERNATIONAL CONFERENCE ON DATA ANALYTICS
AND INTELLIGENCE COMPUTING-2024
(ICDAIC'24)



CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr./Mr./Ms. ANITHA P of
PAAVAI ENGINEERING COLLEGE has presented a paper
titled EARLY STAGE DISEASE DIAGNOSIS SYSTEM USING HUMAN NAIL IMAGE PROCESSING USING DEEP LEARNING
in 1st International Conference on Data Analytics and Intelligence Computing organized
by the Department of Artificial Intelligence and Data Science, Velammal Institute of
Technology, Chennai, TamilNadu, India on April 06, 2024.

COORDINATORS

Dr. Prameeladevi Chillakuru
Ms. K. Sudha

HOD

Dr. S. Padma Priya



VELAMMAL
INSTITUTE OF TECHNOLOGY

VICE PRINCIPAL

Dr. S. Soundararajan

PRINCIPAL

Dr. N. Balaji

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
H.7. PACHAL Post, NAMAKKAL Dis.





DHAANISH AHMED
INSTITUTE OF TECHNOLOGY

K.G, Chavadi, Coimbatore



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**7th EDITION INTERNATIONAL CONFERENCE ON
RECENT DEVELOPMENT IN ENGINEERING & TECHNOLOGY**

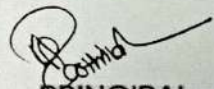
ICRDET'24

CERTIFICATE OF PARTICIPATION

This is to Certify that Prof/ Dr./Mr./Ms./Mrs. P. ANITHA
of Paavai Engineering College has presented a paper on SECURITY AND PRIVACY FOR BIG DATA

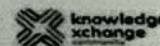
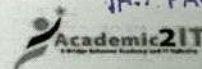
..... in International Conference on Recent Developments in Engineering & Technology
organized by Dhaanish Ahmed Institute of Technology on 6th April 2024


CONVENOR


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
Jr.7 PACHAL Post, NAMAKKAL Dis.


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NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

ANITHA P

for successfully completing the course

The Joy of Computing Using Python

with a consolidated score of **46** %

Online Assignments	13.28/25	Proctored Exam	32.96/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **16145**

Devendra Jali hal

Prof. Devendra Jali hal

Chairperson,
Centre for Outreach and Digital Education, IITM

Jul-Oct 2023

(12 week course)

Principal
PRINCIPAL

PAAVAI ENGINEERING COLLEGE
4th-7, PACHAL Post, NAMAKKAL D

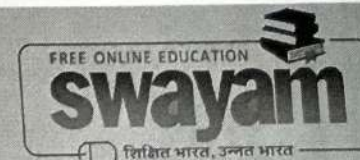
Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS108S548400159

To verify the certificate



No. of credits recommended: 3 or 4



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ATAL/2023/1697261967



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

AICTE Training and Learning (ATAL) Academy

Certificate

It is certified that Mrs. Deepa, Assistant Professor of Paavai Engineering College has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Block Chain Technology with AI for next generation computing at K.S.RANGASAMY COLLEGE OF TECHNOLOGY from 30/10/2023 to 04/11/2023.

R.P. [Signature]

Coordinator

[Signature]

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
H-7 PACHAL Post, NAMAKKAL Dis

[Signature]

Bureau Head (ATAL)





Dept. of CSE
JNTUK UCEN



CERTIFICATE OF PARTICIPATION

PROUDLY PRESENTED TO

B.DEEPA

PAAVAI ENGINEERING COLLEGE

has successfully participated in the

One Week National Level Faculty Development Program on Cloud Infrastructure (AWS)

organized by Dept. of CSE, JNTUK University College of Engineering Narasaraopet , Andhra Pradesh

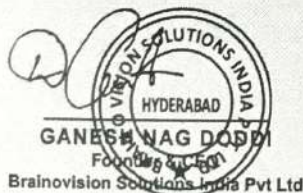
in collaboration with **Brainovision Solutions India Pvt Ltd**

and **All India Council for Technical Education (AICTE)**

During the period of **21st to 25th August 2023.**

We commend your dedication to enhancing your knowledge in
cloud infrastructure and AWS technologies.

Your active participation and engagement during the program have contributed to its success.



DR. SIVA RAMA KRISHNA T.
Coordinator & Mod. CSE
JNTUK UCEN

PROF. CH. SRINIVASA RAO
Principal
JNTUK UCEN

DR. BUDDHA CHANDRASHEKHARA
Chief Coordinating Officer
All India Council for Technical Education





Elite

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This certificate is awarded to

B DEEPA

for successfully completing the course

The Joy of Computing Using Python

with a consolidated score of **60** %

Online Assignments	25/25	Proctored Exam	34.5/75
--------------------	-------	----------------	---------

Total number of candidates certified in this course: **16145**

Devendra Jali hal

Prof. Devendra Jali hal

Chairperson,

Centre for Outreach and Digital Education, IITM

Jul-Oct 2023

(12 week course)

[Signature]
PRINCIPAL

PAAVAI ENGINEERING COLLEGE
H-7 PACHAL Post, NAMAKKAL Dis

[Signature]

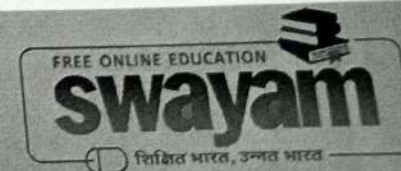
Prof. Andrew Thangaraj

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS108S643000593

To verify the certificate



No. of credits recommended: **3 or**



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ST. JOSEPH COLLEGE OF ENGINEERING

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Run by MMI FATHERS

6th INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN ENGINEERING AND TECHNOLOGY [ICETET-2024]

CERTIFICATE OF PARTICIPATION

This is to certify that SARANYA M
from PAAVAI ENGINEERING COLLEGE presented the paper titled
EEG BASED SCHIZOPHRENIA DETECTION USING A DEEP LEARNING
WITH CNN-TCN MODEL

in the " 6th International Conference on Emerging Trends in Engineering and Technology (ICETET 2024) "
Conducted by St. Joseph College of Engineering, Chennai, Tamil Nadu, on 17.04.2024 and 18.04.2024.

Dr. P. CHINNIAH M.E., Ph.D.
CONVENER, HOD/ECE

Dr. T. AHILAN M.E., Ph.D.
PRINCIPAL

Rev. Fr. L. SAVARIAPPAN MMI
ADMINISTRATOR

PAAVAI ENGINEERING COLLEGE
H-7, PACHAI Post, NAMARKAL Dis



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

CATEGORY - 1 UNIVERSITY BY UGC

Accredited with Grade "A++" by NAAC | 12B Status by UGC | Approved by AICTE



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of I&D Initiative)




INTI
International
University & Colleges

Certificate of Participation

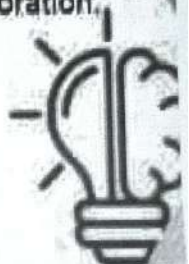
This certificate is awarded to Dr. / Ms. / Mr. **M Saranya, AP(SG)IT**
Of **Paaval engineering college**
In recognition of your active participation and
valuable contributions of paper presentation titled " **Yoga recomendation and monitoring system us ai**

....." presented on 12th april 2024. We extend
our sincere appreciation and gratitude. The Department of Visual Communication at Sathyabama Institute of Science and
Technology (Deemed to be University) acknowledges your presence and involvement in the "International Conference on
Innovative Techniques in Artificial Intelligence and Communication Technologies (ICITAICT 2K24)". Your presence and
engagement have greatly enriched the discussions and activities of the conference, fostering an AI of learning and collaboration.
Your commitment to excellence and dedication to the field are truly commendable.


Dr. T. Sasipraba
Vice Chancellor


Dr. N. Nazini
PRINCIPAL
HoD, Visual Communication


Dr. N. Raja
Assistant Professor, Convener





NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

M SARANYA

for successfully completing the course

Python for Data Science

with a consolidated score of **54 %**

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

PRINCIPAL

PAAVAI ENGINEERING COLLEGE

4th-7, PACHAL Post, NAMAKKAL Dist



(Jul-Aug 2023)

Roll No: NPTEL23CS99S45490131

Duration of NPTEL course : 4 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses.

F.No. AICTE / RIFD / FDP through MOOCs / 2017-18



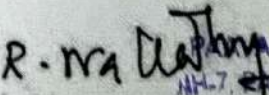
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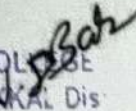
International Conference on Artificial Intelligence, Cyber Security, IoT and Computing Technologies

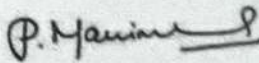
Certificate of Participation

This is to certify that Mr./Ms./Dr. **Sangeetha R** of **Department of IT, Paavai Engineering College** has presented a paper titled **E- House Leasing and Apartment Maintenance** in the International Conference on Artificial Intelligence, Cyber Security, IoT and Computing Technologies (IASICT'24) organised by Karpagam Institute of Technology held on 05.04.2024.


Dr.K.KARUNAMBIGA
CONVENER / CSE


Dr.R.NALLAKUMAR
CONVENER / AI&DS


Mr.V.DINESHBABU
CONVENER / IT


Dr.P.MANIMARAN
PRINCIPAL



ARASU ENGINEERING COLLEGE

(Approved by AICTE-Affiliated to Anna University - Accredited by NAAC- Accredited by NBA- Recognized by UGC Under 2(f) and 12(B))

Chennai Main Road, Kumbakonam-612 501



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of HRD Institute)

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



International Conference

On

Applications of AI & IoT in Power and Energy Systems (ICAAIIPES)

Certificate

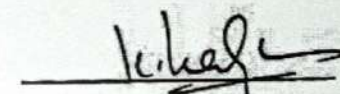
This is to certify that Dr. / Mr. /Mrs. /Ms. SANGEETHA. R.

ASSOCIATE PROFESSOR of PAAVAI ENGINEERING COLLEGE

Presented a paper titled E- GARMENTS WITH REFERENCE TO

TEXTILE INDUSTRY

in the International Conference ICAAIIPES conducted on 24th APRIL 2024.

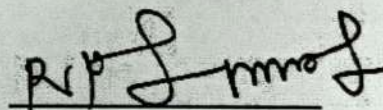


Coordinator

Dr. K. Kalpana

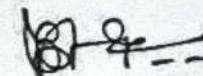
PRINCIPAL

PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL Post, NAMAKKAL



Convener

Dr. R. Pazhanimurugan



Principal

Dr. T. Balamurugan





**1st INTERNATIONAL CONFERENCE ON DATA ANALYTICS
AND INTELLIGENCE COMPUTING-2024
(ICDAIC'24)**




CERTIFICATE OF PARTICIPATION

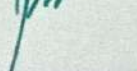
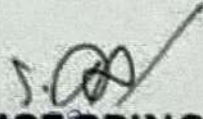
This is to certify that Prof./Dr./Mr./Ms. S. SUBASHINI of
PAAVAI ENGINEERING COLLEGE has presented a paper
titled EMPLOYEE TIMESHEET

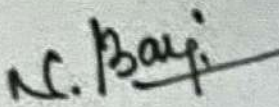
in 1st International Conference on Data Analytics and Intelligence Computing organized
by the Department of Artificial Intelligence and Data Science, Velammal Institute of
Technology, Chennai, TamilNadu, India on April 06, 2024.

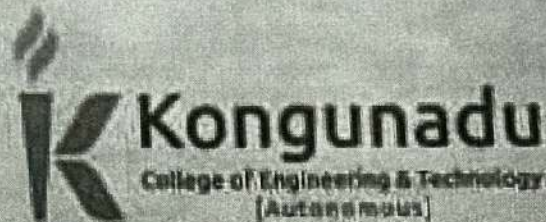

COORDINATORS

Dr. Prameeladevi Chillakuru
Ms. K. Sudha


HOD
Dr. S. Padma Priya



PRINCIPAL
PAAVAI ENGINEERING COLLEGE
VICE PRINCIPAL
VELAMMAL INSTITUTE OF TECHNOLOGY
Dr. S. Soundararajan


PRINCIPAL
Dr. N. Balaji



Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai. Accredited by NBA/ACSI (ECE/ET & MECH).
Accredited by NAAC. Recognized by UGC with 2(f) & 12(B) and ISO 9001:2015 Certified Institution.

Namakkal - Trichy Main Road, Thokurpatti (Post), Thottiam (Taluk), Trichy (Dt.) - 621 215, Tamilnadu, India.

8th National Conference

ON
Innovations in Computing and Communication Technology (NCICCT-2024)

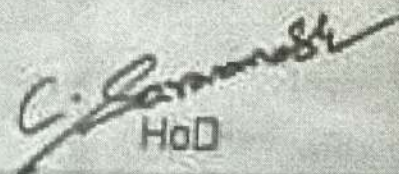
Organized by
Department of AD, CSE and IT

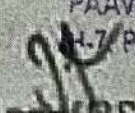
Certificate of Participation

This is to certify that Dr./Prof./Mr./Ms./Mrs. KANIMOZHI. K from PAAVAI ENGINEERING COLLEGE has

Presented a Paper Titled on IoT - BASED NEW METHODOLOGY FOR ANIMAL TRACKING SYSTEM. in the

8th National Conference on "Innovations in Computing and Communication Technology (NCICCT-2024)" on 5th April 2024 organized by the Department of AD, CSE and IT at Kongunadu College of Engineering and Technology, Trichy.


HoD


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
H-7 PACHAL Post, NAMAKKAL Dis.
Dean (RSD)


Principal



ATAL/2023/1700461203



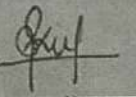
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

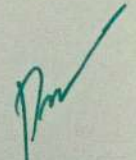
Nelson Mandela Marg, Vasant Kunj, New Delhi - 110 070


AICTE Training and Learning (ATAL) Academy

Certificate

It is certified that **Mrs.K.Kanimozhi, Assistant Professor of Paavai Engineering College** has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on **HEALTH AND HAPPINESS** at **VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN** from **04/12/2023** to **09/12/2023**.


Coordinator


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
H.L.7, PACHAI Post, NAMAKKAL Dist


Bureau Head (ATAL)



DHAANISH AHMED
INSTITUTE OF TECHNOLOGY
K.G, Chavadi, Coimbatore



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**7th EDITION INTERNATIONAL CONFERENCE ON
RECENT DEVELOPMENT IN ENGINEERING & TECHNOLOGY**

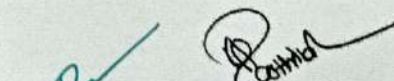
ICRDET'24

CERTIFICATE OF PARTICIPATION

This is to Certify that Prof/ Dr./Mr./Ms./Mrs. **RAJESH.S**
of **Paavai Engineering College** has presented a paper on
A NEW APPROACH FOR DIABETIC RETINOPATHY USING MULTIPLE INSTANCES

in International Conference on Recent Developments in Engineering & Technology
organized by Dhaanish Ahmed Institute of Technology on 6th April 2024


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On

Applications of AI & IoT in Power and Energy Systems (ICAAIIPES)



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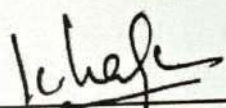
This is to certify that Dr. / Mr. /Mrs. /Ms. RATESH S

ASSISTANT PROFESSOR of PAAVAI ENGINEERING COLLEGE

Presented a paper titled MALWARE FAMILIES IDENTIFICATION USING

DENSENET MODEL FROM BINARY IMAGES

in the International Conference ICAAIIPES conducted on 24th APRIL 2024.



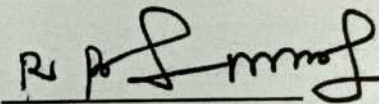
Coordinator

Dr. K. Kalpana

PRINCIPAL

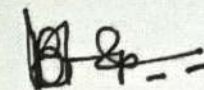
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4H-7, PACHAL Post, NAMAKKAL DIST



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Dr. R. Pazhanimurugan



Principal

Dr. T. Balamurugan

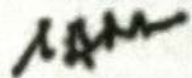


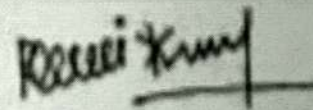
Certificate Of Participation


Awarded To

Mr. S. RAJESH

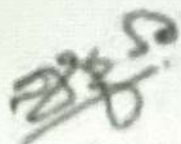
Participated in 10 Hours National Faculty Development Program on
NLP, Computer Vision and Artificial Intelligence
organized by Andhra Pradesh State Skill Development Corporation (APSSDC) in
Collaboration with ExcelR Edtech Pvt. Ltd.
Date: 4th Dec to 8th Dec 2023.


Ram Tavva
CEO, ExcelR


Dr. Gujjula Ravi
Chief General Manager
Technical, APSSDC


PRINCIPAL

PAVAI ENGINEERING COLLEGE
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Dr. Vinod Kumar V.
IAS, Managing Director & Chief
Executive Officer, APSSDC

Cert No: EXCEL-404-60369/15122023



DHAANISH AHMED
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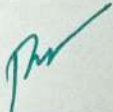
**7th EDITION INTERNATIONAL CONFERENCE ON
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ICRDET'24

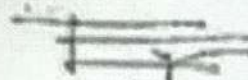
CERTIFICATE OF PARTICIPATION

This is to Certify that Prof/ Dr./Mr./Ms./Mrs. Mr. K. SENTAMILSELVAN
of Paavai Engineering College has presented a paper on
PREDICTIONS FOR EARTHQUAKE ANALYSIS USING DATA CLASSIFICATIONS
in International Conference on Recent Developments in Engineering & Technology
organized by Dhaanish Ahmed Institute of Technology on 6th April 2024


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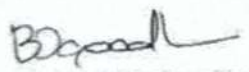
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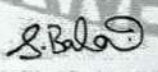
IQAC - FIVE DAYS FACULTY DEVELOPMENT PROGRAMME - 2024

Certificate of Participation


This is to Certify that Mrs. D SASIKALA
from Paavai Engineering College
has participated in the Five Days Virtual Faculty Development Programme on “Research - The Journey from Inception to Publishing” by IQAC in association with PG & Research Department of Computer Science from 05th February 2024 to 09th February 2024 at Dhanraj Baid Jain College, Chennai - 600 097.


Dr. B. JAGADHESAN

IQAC - Coordinator
Head UG Dept. of Computer Science


Dr. S. BALAJI
Head PG Dept. of Computer Science


Dr. M. SAKTHIVEL MURUGAN
Prof - in - Charge


Dr. C. MURUGESAN
Principal i/c



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CERTIFICATE OF PARTICIPATION

This is to Certify that *Dr.S.Ramachandran, Assistant Professor* from *Paavai Engineering College* has participated in the One Week Online Faculty Development Programme on “*Cutting Edge Technologies in Electrical and Electronics Engineering*” from 11.09.2023 to 16.09.2023.


Coordinator

Dr.S.Surendiran, M.E., Ph.D


HoD

Dr.V.Dhinesh, M.E., Ph.D


Vice Principal

Mr.M.Santhosh Kumar, M.E


Principal

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RAMACHANDRAN SELVARAJ

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with a consolidated score of 70 %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

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(Jul-Aug 2023)

Roll No: NPTEL23GE45S45540820

Duration of NPTEL course : 4 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses.

F.No. AICTE / RIFD / FDP through MOOCs / 2017-18



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This certificate is awarded to

ARULKUMAR C

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Teaching and Learning in General Programs: TALG

with a consolidated score of 70 %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

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(Jul-Aug 2023)

Roll No: NPTEL23GE45S35490422

Duration of NPTEL course : 4 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18



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This is to certify that

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of

Paavai Engineering College, Tamil Nadu

has undergone Innovation Ambassador (IA) training 'Advanced Level'
(Total 16 Sessions of 30 contact hours) conducted in online mode by MoE's
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2022-23

Abhay Jere

Dr. Abhay Jere
Chief Innovation Officer
MoE's Innovation Cell

Dipon Sahu

Mr. Dipan Sahu
Assistant Innovation Director
MoE's Innovation Cell

Date: 13-04-2024

E-certification No: 132228

IIC ID: IC201810392

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Tamil Nadu, India.



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This is to certify that Dr./Mr./Ms. ARUL KUMAR . C, ASP / EEE of
PAVAI ENGINEERING COLLEGE

has presented a paper entitled STAIR CLIMBING ROBOT

in the International Conference on Engineering and Technology (ICET -2023) sponsored
by All India Council for Technical Education (AICTE), New Delhi and organized by Selvam
College of Technology, Namakkal on 21st & 22nd September 2023.


Dr. S. Prakash
IQAC Coordinator
Convener


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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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Certificate of Participation

This is to Certify that Dr. / Mr. / Ms. C. Arulkumar, ASP/IEEE/PEC has Participated in
SERB Sponsored National Seminar on "The Role of Internet of Things (IoT) in Smart Grid Technology and
its Applications for the future generation" organized by Department of Electrical and Electronics
Engineering on 24 & 25.7.23.


Dr. N. SARAVANAKUMAR
Coordinator


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Dr. T. ELANGO
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CERTIFICATE OF PARTICIPATION

This is to Certify that *Dr.C.Arulkumar*, Associate Professor from *Paavai Engineering College* has participated in the One Week Online Faculty Development Programme on "*Cutting Edge Technologies in Electrical and Electronics Engineering*" from 11.09.2023 to 16.09.2023.

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Dr.S.Surendiran, M.E., Ph.D

HoD

Dr.V.Dhinesh, M.E., Ph.D

Vice Principal

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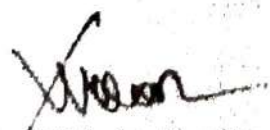
Dr. C. Arulkumar


*Professor/TEE,
Paavai engineering college*

Has presented a paper titled

*Fault Analysis in PV Panels through I-V Curve Profiling and
Bayesian-Enhanced Classification*

*at the 3rd International Conference On building a Sustainable future
with recent Trends in science and technology (ICOST-2024) held from
22 to 23 march 2024 at Annapoorana Engineering College
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Dr. N. Nedunchezhian
Conference Chair


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This is to certify that

Dr.C.Arulkumar

of

Paavai Engineering College , Tamil Nadu

has undergone Innovation Ambassador (IA) training 'Foundation Level'
(Total 16 Sessions of 30 contact hours) conducted in online mode by MoE's
Innovation Cell & AICTE during the IIC calendar year

2022-23

Abhay Jere

Dr. Abhay Jere
Chief Innovation Officer
MoE's Innovation Cell

Dipankar Sahu

Mr. Dipan Sahu
Assistant Innovation Director
MoE's Innovation Cell

Date: 10-04-2024

E-certification No: I032228

IIC ID: IC201810392

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Dr. N. SARAVANAKUMAR
Coordinator


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Principal



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This certificate is awarded to

SUGANYA S

for successfully completing the course

Teaching and Learning in General Programs: TALG

with a consolidated score of 56 %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

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(Jul-Aug 2023)

Roll No: NPTEL23GE45S45490188

Duration of NPTEL course : 4 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses.
En No. AICTE / RIED / EDP through MOOCs / 2017-18



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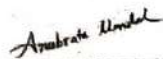
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PROUDLY PRESENT TO

Dr. G. Balaji

Paavai Engineering College

*This certificate we give to him/her for successfully
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"CO PO Mapping & CO PO Attainment" on 10th July, 2023 -
14th July, 2023*



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HOD, EE DEPT. GKCEM,
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Prof. (Dr.) Mahuya Das
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IN ASSOCIATION WITH

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Certificate of Presentation



This is to certify that Mr/Mrs/Dr. **G.BALAJI** from
PAAVAI ENGINEERING COLLEGE, NAMAKKAL has presented a paper titled
ONLINE ANALYSIS OF LH/HT AND INDUSTRIAL TRANSFORMERS WITH DATALOGGERS
..... in the "12th International
Conference on Contemporary Engineering and Technology 2024" held on 23rd & 24th March 2024.


Dr. Akhatov Akmal Rustamovich
Vice Rector of International Affairs,
Samarkand State University, Uzbekistan

PRINCIPAL
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Dr. Christo Ananth
Professor,
Samarkand State University, Uzbekistan


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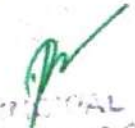
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This is to Certify that Dr. / Mr. / Ms. G. Balaji, HOD/EEE / PEC has Participated in
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its Applications for the future generation" organized by Department of Electrical and Electronics
Engineering on 24 & 25.7.23


Dr. N. SARAVANAKUMAR
Coordinator


PAAVAI ENGINEERING COLLEGE
14-7 PACHAL POST, NAMAKKAL DIST.


Dr. T. ELANGO
Principal



NPTEL-AICTE Faculty Development Programme

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This certificate is awarded to

G BALAJI

for successfully completing the course

Teaching and Learning in General Programs: TALG

with a consolidated score of 56 %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

PRINCIPAL

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(Jul-Aug 2023)

Roll No: NPTEL23GE45S35541384

Duration of NPTEL course : 4 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses



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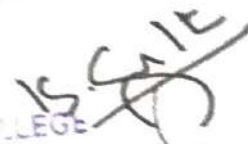
This is to certify that **Dr. G. Balaji, Prof. /EEE**

Paavai Engineering College

Participated in Five days Virtual Faculty Development Program on
*"Recent Trends and Challenges in Power Generation and Power
Quality Improvement Techniques"* Organized by Department of
Electrical and Electronics Engineering **17.07.2023 to 21.07.2023**


COORDINATOR'S

(Prof. M. Shanthi),
(Prof. M. Devika)


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PAVAI ENGINEERING COLLEGE
CONVENOR
(Dr. K. Geetha)


PRINCIPAL

(Dr. S. Manoharan)

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FACULTY OF MANAGEMENT

Department of Business Administration



INTERNATIONAL PHYGITAL FACULTY DEVELOPMENT PROGRAMME

Certificate of Participation

This is to certify that **Mr. R.Satheeshkumar, Assistant Professor** from **Paavai Engineering College** has attended the ten days virtual FDP On “Recent Trends In Multidisciplinary Research” from 07-07-2023 to 18-07-2023.

Dr.C.Sundar
Dean - Faculty of Management

PRINCIPAL

PAAVAI ENGINEERING COLLEGE
JH-7 PACE, KARAIKAL Dist

Dr.T.Rekha Kiran Kumar
HOD - BBA



NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

SATHEESHKUMAR R

for successfully completing the course

Teaching and Learning in General Programs: TALG

with a consolidated score of 73 %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

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(Jul-Aug 2023)

Roll No: NPTEL23GE45S45490142

Duration of NPTEL course : 4 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams. This certificate is therefore acceptable for promotions under CAS as per AICTE notification dated 12th April 2019.



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CERTIFICATE OF PARTICIPATION

This is to certify that Dr./Mr./Ms. SATHEESHKUMAR .R , AP/EEE of PAAVAI ENGINEERING COLLEGE has presented a paper entitled WIRELESS POWER TRANSFER SYSTEM FOR CHANGING OF ELECTRIC VEHICLE in the International Conference on Engineering and Technology (ICET -2023) sponsored by All India Council for Technical Education (AICTE), New Delhi and organized by Selvam College of Technology, Namakkal on 21st & 22nd September 2023.


Dr. S. Prakash
IQAC Coordinator
Convener


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Dr. A. Natarajan
Principal



Automatic Frequency Control for Interlinked DSTS Power Grid Using Dragonfly algorithm tuned PID Controller

Publisher: IEEE

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- II. Stucuture Of The Proposed Power System
- III. Controller strategy and cost function
- IV. Dragonfly Optimization
- V. Response Assessment Of DA - PID Controller

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References

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Abstract: This article discussed the automatic frequency fluctuation control in an interlinked power network. Power quality issue arises at the time uncertainty in the loading. The... [View more](#)

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Abstract:

This article discussed the automatic frequency fluctuation control in an interlinked power network. Power quality issue arises at the time uncertainty in the loading. The power network is framed by two unequal power sources for investigation. By the complexity of the network the maintain the power quality is too much risk. Area one consists of a dish Stirling thermal system (DSTS). Area two has a thermal power plant alone. For automatic frequency stability control, the Load frequency control (LFC) scheme is presented with a secondary controller. In this study proportional integral derivative (PID) controller is recommended. The parameters of PID are optimized by the Dragonfly algorithm (DA) using Integral Time Absolute Error (ITAE) cost function. The DA technique supremacy is proved by comparing the results of the Ant colony optimization (ACO), Differential evolution (DE), Genetic algorithm (GA), and Particle swarm optimization (PSO) technique with DA. The DA - PID controller response is better than the GA, ACO, DE, and PSO techniques. The control response proved the quick oscillation control at 16s, also very minimal peak values.

Published in: 2023 IEEE 20th India Council International Conference (INDICON)



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Conference paper


Frequency Management of an Interconnected Power System Using Ant Colony Optimization Technique Enhanced PI Controller

| Conference paper | First Online: 25 July 2023

| pp 505–514 | [Cite this conference paper](#)



[Proceedings of International
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(ICDAI 2023)

[R. Satheeshkumar](#) , [K. Jagatheesan](#), [D. Boopathi](#), [K. Ramesh Chandra Prusty](#) & [Kanendra Naidu](#)

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Dr.V.Dhinesh, M.E., Ph.D

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batteries for Electric Vehicles", organized by Science and Humanities &
Electrical and Electronics Engineering Departments, IFET College of
Engineering, Villupuram, on 05.01.2024.

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COORDINATOR
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This is to Certify that *Mr.V.Kumarakrishnan, Assistant Professor* from *Paavai Engineering College* has participated in the One Week Online Faculty Development Programme on "*Cutting Edge Technologies in Electrical and Electronics Engineering*" from 11.09.2023 to 16.09.2023.


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Prof. Rajendra S. Gadgil
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Dean, SBMS

Prof. Shagun Agarwal
Dean, SAHS

Dr. Gaurav Kumar
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Convener

(Dr. Ananthamoorthy N P)
HoD/EEE

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Principal
(Dr. Jaya J)


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Dr.C.Sundar
Dean- Faculty of Management


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Department of Electrical & Electronics Engineering, R P Sarathy Institute of Technology, Salem.


Convener


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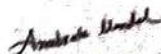
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This certificate is awarded to

DR S RATHINAVEL

for successfully completing the course

Teaching and Learning in General Programs: TALG

with a consolidated score of 51 %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

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NH-7, PACHAI PALLI, KIKKAL DIST.



(Jul-Aug 2023)

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This is to certify that **Dr.S.RATHINAVEL**, **Assistant Professor** from **Paavai Engineering College** has attended the ten days virtual FDP On "**Recent Trends In Multidisciplinary Research**" from 07-07-2023 to 18-07-2023.

A handwritten signature in black ink, appearing to be 'C. Sunder'.

Dr.C.Sunder
Dean - Faculty of Management

A handwritten signature in black ink, appearing to be 'Dr. T. Rekha Kiran Kumar'.

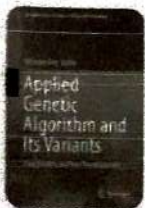
Dr.T.Rekha Kiran Kumar
HOD - BBA

[Home](#) > [Applied Genetic Algorithm and Its Variants](#) > Chapter


Application of Genetic Algorithm-Based Controllers in Wind Energy Systems for Smart Energy Management

Chapter | First Online: 02 July 2023

pp 139–160 | [Cite this chapter](#)



[Applied Genetic Algorithm and Its Variants](#)

[D. Boopathi](#) , [K. Jagatheesan](#), [Sourav Samanta](#), [B. Anand](#) & [J. Jaya](#)

 Part of the book series: [Springer Tracts in Nature-Inspired Computing \(\(STNIC\)\)](#)

 204 Accesses  2 [Citations](#)

Abstract

This chapter proposes innovative energy management for intelligent smart grid systems by utilizing a Genetic Algorithm (GA) tuned controller. The smart grid contains renewable energy sources and energy storage units. Renewable energy resource comprises wind

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
114-7, PACHAL Post, NAMAKKAL Dis



ICTACADEMY®

CERTIFICATE OF PARTICIPATION

C.No: 023-208340

Date: 21 Jul 2023

DR.K.JAGATHEESAN

Paavai Engineering College

has participated in 2 Day Faculty Development Program on

Design Thinking

conducted by ICT Academy on 20 Jul 2023 to 21 Jul 2023 at

R P Sarathy Institute of Technology



PRINCIPAL

PAAVAI ENGINEERING COLLEGE

114.7 PACHEM PO, CHENNAI 600 042

Hari Balachandran
Chief Executive Officer, ICT Academy

Balachandran

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

Ramapuram Campus Chennai - 89

FACULTY OF MANAGEMENT

Department of Business Administration



INTERNATIONAL PHYGITAL FACULTY DEVELOPMENT PROGRAMME
Certificate of Participation

This is to certify that **Dr. JAGATHEESAN K, Associate Professor** from **Paavai Engineering College** has attended the ten days virtual FDP On “Recent Trends In Multidisciplinary Research” from 07-07-2023 to 18-07-2023.

Dr. C. Sundar

Dean- Faculty of Management

PRINCIPAL
PAVAI ENGINEERING COLLEGE
4th Floor - Ramapuram Dt

Dr. T. Rekha Kiron Kumar

HOD - BBA

[Home](#) > [Proceedings of International Conference on Data Analytics and Insights, ICDAI 2023](#) >
Conference paper


Frequency Management of an Interconnected Power System Using Ant Colony Optimization Technique Enhanced PI Controller

| Conference paper | First Online: 25 July 2023

| pp 505–514 | [Cite this conference paper](#)



[Proceedings of International
Conference on Data Analytics and
Insights, ICDAI 2023](#)
(ICDAI 2023)

[R. Satheeshkumar](#) , [K. Jagatheesan](#), [D. Boopathi](#), [K. Ramesh Chandra Prusty](#) & [Kanendra Naidu](#)

 Part of the book series: Lecture Notes in Networks and Systems ((LNNS volume 727))

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Mayfly Algorithm Optimized FOPID Regulator for Frequency Improvement in Wind Power Systems

Publisher: IEEE

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Boopathi D ; Jagatheesan K ; Sourav Samanta ; Nilanjan Dey , Jaya J ; Anand B All Authors ...

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- I. Introduction
- II. Investigated Power System
- III. Controller Design
- IV. Mayfly Optimization Algorithm
- V. System Performance Analysis

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Abstract: The purpose of this article is to discuss frequency improvement in wind power systems (WPS). The result of the Mayfly algorithm (MA) to frequency enhancement is studied i... [View more](#)

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Abstract:

The purpose of this article is to discuss frequency improvement in wind power systems (WPS). The result of the Mayfly algorithm (MA) to frequency enhancement is studied in the WPS with the support of secondary controllers PID and FOPID controllers (proportional-integral-derivative and fractional-order PID). The autonomous WPS includes a battery energy storage system (BESS) to aid the secondary controller. The responsiveness of the suggested approach to frequency variation was investigated in the MATLAB, Simulink working environment with a 1% load disturbance. The control response of the MA-FOPID and PID controllers is compared with the results of standard optimization techniques to show the preeminence of the proposed technique. The evaluation of the results indicates that the MA technique performs better than other optimization techniques for frequency improvement.

Published in: 2023 IEEE Pune Section International Conference (PuneCon)

Date of Conference: 14-16 December 2023

DOI: 10.1109/PuneCon58714.2023.10449994

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PAAVAI ENGINEERING COLLEGE
NH.7, PACHAL Post, NARAIKAL Dist



Automatic Frequency Control for Interlinked DSTS Power Grid Using Dragonfly algorithm tuned PID Controller

Publisher: IEEE

Cite This

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Boopathi D ; Jagatheesan K ; Satheeshkumar R ; Sourav Samanta ; Anand B ; Jaya J All Authors ...

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- III. Controller strategy and cost function
- IV. Dragonfly Optimization
- V. Response Assessment Of DA - PID Controller

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Abstract: This article discussed the automatic frequency fluctuation control in an interlinked power network. Power quality issue arises at the time uncertainty in the loading. The... [View more](#)

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Abstract:

This article discussed the automatic frequency fluctuation control in an interlinked power network. Power quality issue arises at the time uncertainty in the loading. The power network is framed by two unequal power sources for investigation. By the complexity of the network the maintain the power quality is too much risk. Area one consists of a dish Stirling thermal system (DSTS). Area two has a thermal power plant alone. For automatic frequency stability control, the Load frequency control (LFC) scheme is presented with a secondary controller. In this study proportional integral derivative (PID) controller is recommended. The parameters of PID are optimized by the Dragonfly algorithm (DA) using Integral Time Absolute Error (ITAE) cost function. The DA technique supremacy is proved by comparing the results of the Ant colony optimization (ACO), Differential evolution (DE), Genetic algorithm (GA), and Particle swarm optimization (PSO) technique with DA. The DA - PID controller response is better than the GA, ACO, DE, and PSO techniques. The control response proved the quick oscillation control at 16s, also very minimal peak values.

Published in: 2023 IEEE 20th India Council International Conference (INDICON)



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SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

Ramapuram Campus Chennai - 89

FACULTY OF MANAGEMENT

Department of Business Administration



INTERNATIONAL PHYGITAL FACULTY DEVELOPMENT PROGRAMME

Certificate of Participation

This is to certify that **Dr.D.BOOPATHI**, Assistant Professor from **Paavai Engineering College** has attended the ten days virtual FDP On "Recent Trends In Multidisciplinary Research" from 07-07-2023 to 18-07-2023.

Handwritten signature of Dr. C. Sundar.

Dr.C.Sundar
Dean- Faculty of Management

Handwritten signature of Dr. T. Rekha Kiran Kumar.

Dr.T.Rekha Kiran Kumar
MOD - BBA

A green checkmark is drawn over the stamp.
PRINCIPAL
PAAVAI ENGINEERING COLLEGE
44-7 PACHAI PATTI NAMAKKAL Dist.



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

DR BOOPATHI D

for successfully completing the course

Outcome Based Pedagogic Principles for Effective Teaching

with a consolidated score of **44** %

Online Assignments	14.17/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **740**

Feb-Mar 2024

(4 week course)

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
44-7 PACHAL Post, NAMAKKAL Dist

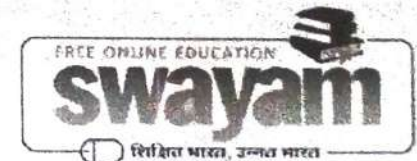
Prof. Haimanti Banerji

Coordinator, NPTEL

IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24GE27S663100828

To verify the certificate



No. of credits recommended: 1 or 2



All



ADVANCED SEARCH

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Mayfly Algorithm Optimized FOPID Regulator for Frequency Improvement in Wind Power Systems

Publisher: IEEE

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Abstract:

The purpose of this article is to discuss frequency improvement in wind power systems (WPS). The result of the Mayfly algorithm (MA) to frequency enhancement is studied in the WPS with the support of secondary controllers PID and FOPID controllers (proportional-integral-derivative and fractional-order PID). The autonomous WPS includes a battery energy storage system (BESS) to aid the secondary controller. The responsiveness of the suggested approach to frequency variation was investigated in the MATLAB, Simulink working environment with a 1% load disturbance. The control response of the MA-FOPID and PID controllers is compared with the results of standard optimization techniques to show the preeminence of the proposed technique. The evaluation of the results indicates that the MA technique performs better than other optimization techniques for frequency improvement.

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Automatic Frequency Control for Interlinked DSTS Power Grid Using Dragonfly algorithm tuned PID Controller

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Boopathi D ; Jagatheesan K ; Satheeshkumar R ; Sourav Samanta ; Anand B ; Jaya J All Authors ...

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Published in: 2023 IEEE 20th India Council International Conference (INDICON)



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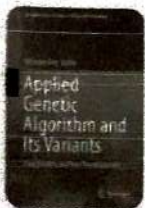
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Chapter | First Online: 02 July 2023

pp 139–160 | [Cite this chapter](#)



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[D. Boopathi](#) , [K. Jagatheesan](#), [Sourav Samanta](#), [B. Anand](#) & [J. Jaya](#)

 Part of the book series: [Springer Tracts in Nature-Inspired Computing \(\(STNIC\)\)](#)

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Abstract

This chapter proposes innovative energy management for intelligent smart grid systems by utilizing a Genetic Algorithm (GA) tuned controller. The smart grid contains renewable energy sources and energy storage units. Renewable energy resource comprises wind

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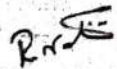
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

AICTE Training and Learning (ATAL) Academy

Certificate

It is certified that Mr. R MUTHUKUMAR, Assistant Professor of Paavai Engineering College has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Renewable Energy Based Electric Vehicle Technologies at FATIMA MICHAEL COLLEGE OF ENGINEERING & TECHNOLOGY from 18/12/2023 to 23/12/2023.



Coordinator


PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL Post, NAMAKKAL Dist



Bureau Head (ATAL)



NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

MUTHUKUMAR R

for successfully completing the course

Effective Engineering Teaching In Practice

with a consolidated score of 50 %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

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PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL Post, NAMAKKAL Dist.



(Jan-Feb 2024)

Roll No: NPTEL24GE13S555000356

Duration of NPTEL course : 4 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 16th Nov, 2023, similar to other refresher / orientation courses
F.No. AICTE / RIFD / FDP through MOOCs / 2023



NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

ANAND K

for successfully completing the course

Introduction to Industry 4.0 and Industrial Internet of Things

with a consolidated score of 46 %


Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



(Jul-Oct 2023)

Roll No: NPTEL23CS82S646001405


PRINCIPAL
PAVAI ENGINEERING COLLEGE

Duration of NPTEL course : 12 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
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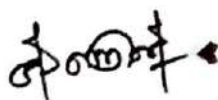
This is to certify that ANAND K AP/MECH

PAAVAI ENGINEERING COLLEGE, NAMAKKAL.

Presented a Paper Titled DESIGN AND DEVELOPMENT OF AN SEED SOWING MACHINE
USING JOT

in the International Conference organized by Paavai Engineering College (Autonomous), Namakkal, Tamilnadu

on 27th April 2024


Convener


Principal
PAAVAI ENGINEERING COLLEGE
NH-7 PACHAL Post, NAMAKKAL Dis


Director - Admin



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

ANAND K

for successfully completing the course

Manufacturing Process Technology - I & II

with a consolidated score of **48** %

Online Assignments	17.13/25	Proctored Exam	31.22/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **666**

Pathish

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Jan-Apr 2024

(12 week course)

Satyaki Roy

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur

PRINCIPAL

PAAVAI ENGINEERING COLLEGE



Roll No: NPTEL24ME48S1063100394

To verify the certificate

No. of credits recommended: 3 or 4



NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

SUJITH KUMAR J

for successfully completing the course

Introduction to Machining and Machining Fluids

with a consolidated score of 51 %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



(Jan-Mar 2024)

Roll No: NPTEL24ME41S355500445

PRINCIPAL

PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL Post, NAMAKKAL DIST.

Duration of NPTEL course : 8 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
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F.No. AICTE / RIFD / FDP through MOOCs / 2023



NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

T SATHEES

for successfully completing the course

Manufacturing Process Technology - I & II

with a consolidated score of 47 %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



(Jan-Apr 2024)

Roll No: NPTEL24ME48S963100192

PRINCIPAL
PAVAI ENGINEERING COLLEGE
NH-7, PACHAL Post, NAMAKKAL Dist.

Duration of NPTEL course : 12 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 16th Nov, 2023, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2023



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This is to certify that SATHEES.T - AP/MECH

PAAVAI ENGINEERING COLLEGE, NAMAKKAL

Presented a Paper Titled ACTIVE NOISE CANCELLATION IN AUTOMOTIVE MUFFLER

in the International Conference organized by Paavai Engineering College (Autonomous), Namakkal, Tamilnadu

on 27th April 2024


Convener


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
Principal Post, NAMAKKAL Dis.


Director - Admin



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(Funded by the MoE, Govt. of India)



This certificate is awarded to

T SATHEES

for successfully completing the course

Introduction to Industry 4.0 and Industrial Internet of Things

with a consolidated score of 42 %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



(Jul-Oct 2023)

Roll No: NPTEL23CS82S543000208

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PAAVAI ENGINEERING COLLEGE

11-7 PACHAI Post NAMAKKAL Dist.

Duration of NPTEL course : 12 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18



Elite

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This certificate is awarded to
SENTHIL KANNAN VELASAMY
for successfully completing the course

Product Design and Development

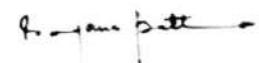
with a consolidated score of **85** %

Online Assignments	20/25	Proctored Exam	64.5/75
--------------------	-------	----------------	---------

Total number of candidates certified in this course: **951**


Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator CEC

Jul-Aug 2023
(4 week course)


Prof. Ranjana Pathania,
Professor (BSBE)
Coordinator (NPTEL)



Indian Institute of Technology Roorkee

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
H-7, PACHAL Post, NAMAKKAL Dist



Roll No: NPTEL23ME123S35632074

To verify the certificate



No. of credits recommended: 1 or 2



NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

SENTHIL KANNAN VELASAMY

for successfully completing the course

Introduction to Machining and Machining Fluids

with a consolidated score of 65 %


Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



(Jan-Mar 2024)

Roll No: NPTEL24ME41S356400478

Principal

Duration of NPTEL course : 8 Weeks

PAVALE ENGINEERING COLLEGE

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 16th Nov, 2023, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2023



Elite

NPTEL Online Certification

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This certificate is awarded to

S PRABHAKARAN

for successfully completing the course

Introduction to Mechanical Micro Machining

with a consolidated score of **60** %

Online Assignments	25/25	Proctored Exam	34.67/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: 130

Jan-Apr 2024

(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24ME42S1166100293

To verify the certificate



PRINCIPAL

AN ENGINEERING COLLEGE
ACHAL PAST. NAMAKIN

No. of credits recommended: 3 or 4



ICATS-2024

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(9th Edition)

CERTIFICATE OF PARTICIPATION

This is to certify that PRABHAKARAN S - AP/MECH

PAAVAI ENGINEERING COLLEGE - NAMAKKAL

Presented a Paper Titled STUDY THE EFFECTS OF HYDROXY (HHO) GAS ADDITION
AND EVALUATE THE PERFORMANCE AND EMISSIONS OF DIESEL ENGINE

in the International Conference organized by Paavai Engineering College (Autonomous), Namakkal, Tamilnadu

on 27th April 2024


Convener


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL Post, NAMAKKAL Dis:


Director - Admin



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

SUNDARAMURTHY K

for successfully completing the course

Fundamentals of Additive Manufacturing Technologies

with a consolidated score of **75** %

Online Assignments	24.35/25	Proctored Exam	50.59/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: 328

Jul-Oct 2023

(12 week course)



T. V. Bharat

Prof. T. V. Bharat
Head, Centre for Educational Technology
NPTEL Coordinator, IIT Guwahati



Indian Institute of Technology Guwahati

PRINCIPAL
PAVAI ENGINEERING COLLEGE
NAMAKKAL, DIST.



Roll No: NPTEL23ME112S834500252

To verify the certificate



No. of credits recommended: 3 or 4



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

SUNDARAMURTHY K

for successfully completing the course

Introduction to Mechanical Micro Machining

with a consolidated score of **60** %

Online Assignments	24.69/25	Proctored Exam	35.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: 130

Jan-Apr 2024

(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

PRINCIPAL
PAAVAI ENGINEERING COLLEGE



Roll No: NPTEL24ME42S1254500198

To verify the certificate



No. of credits recommended: 3 or 4

No. of credits recommended: 1 or 2



Elite

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(Funded by the MoE, Govt. of India)



This certificate is awarded to

ANANDAN D

for successfully completing the course

Nature and Properties of Materials

with a consolidated score of **63** %

Online Assignments	22.5/25	Proctored Exam	40.5/75
--------------------	---------	----------------	---------

Total number of candidates certified in this course: **160**

Ratish

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Jan-Mar 2024

(8 week course)

Satyaki

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur

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PAAVAI ENGINEERING COLLEGE
P.O. BOX 108, NAMAKKAL Dist.



Roll No: NPTEL24ME52S555500194

To verify the certificate



No. of credits recommended: 2 or 3



NPTEL Online Certification

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This certificate is awarded to

HARIHARAN

for successfully completing the course

Patent Drafting for Beginners

with a consolidated score of **52 %**

Online Assignments	11.5/25	Proctored Exam	40.74/75
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Total number of candidates certified in this course: **768**

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,

Centre for Outreach and Digital Education, IITM

Jul-Aug 2023

(4 week course)



Indian Institute of Technology Madras

Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator

IIT Madras

Principal
PRINCIPAL
PAVAI ENGINEERING COLLEGE
114.7 PACHAL Post, NAMAKKAL Dist.



Roll No: NPTEL23HS94S45540885

To verify the certificate



No. of credits recommended: 1 or 2



CERTIFICATE OF PARTICIPATION

This is to certify that

M.E.Hariharan

from

Paaval Engineering College, Namakkal

Participated in the Teacher Support Programme (TSP) delivered by the
British Council at Coimbatore on 5 - 6 October 2023.

Focusing on: Developing the four skills with Grammar & Vocabulary as a
core component, in preparation for the British Council Aptis test



Monesha Gupta

Assistant Director

Business Development Examination Services
India



PRINCIPAL

PAAVAI ENGINEERING COLLEGE

11H-7 PACHAL Post, NAMAKKAL, TN



Kathir College of Arts and Science

Recognized with UGC 2(f) & 12(B) status Affiliated to Bharathiar University
"Wisdom Tree", Neelambur, Coimbatore-641 062.



CERTIFICATE OF PARTICIPATION

SARANYA R

This is to certify that Mr./Ms./Dr. _____
actively participated in Five Day Virtual National Level Conference
on **Popular Literature and Culture** Organized by the Department of
English from 03.01.2024 to 07.01.2024 .

Dr.D.Vijayaraghavan
Head, Department of English

Dr.R.Karpagam

Pr Made for free with Certify'em

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
11H-7, PACHAL Post, NAMAKKAL Dist.



CERTIFICATE OF PARTICIPATION

This is to certify that

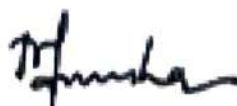
R.Saranya

from

Paaval Engineering College, Namakkal

Participated in the **Teacher Support Programme (TSP)** delivered by the
British Council at Coimbatore on 5 - 6 October 2023.

Focusing on: Developing the four skills with Grammar & Vocabulary as a
core component, in preparation for the British Council Aptis test



Monoesha Gupta

Assistant Director

Business Development Examination Services
India



PRINCIPAL

PAAVAI ENGINEERING COLLEGE

HH-7, PACHAL Post, NAMAKKAL Dist



NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

SATHISH KUMAR M

for successfully completing the course

Foundations of R Software

with a consolidated score of 58 %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
JH.7 PACHAL Post, NAMAKKAL Dist.



(Jul-Oct 2023)

Roll No: NPTEL23MA96S743000033

Duration of NPTEL course : 12 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18



SRI KRISHNA ARTS AND SCIENCE COLLEGE

An Autonomous College Affiliated to Bharathiar University
Re-Accredited by NAAC with 'A' Grade
Kuniamuthur, Coimbatore - 641 008, Tamil Nadu



Department of Mathematics

CERTIFICATE OF PARTICIPATION

This is to certify that **Dr.M.Sathish Kumar, Department of Mathematics, Paavai Engineering College, Namakkal** has participated in the International Conference of Emerging Trends in Computational Mathematics and Data Science - "**ICETCMDS-24**" organized by the Department of Mathematics, Sri Krishna Arts and Science College, Coimbatore, Tamil Nadu during 10th - 11th January 2024.


HOD
DR. D. MAHESWARI


DEAN
DR. K.S. JAGAN MARSELINE


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
NAMAKKAL
PRINCIPAL
DR. R. JAGAJEYAN



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

UMA K

for successfully completing the course

Foundations of R Software

with a consolidated score of **50** %

Online Assignments	19.53/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **1668**

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Jul-Oct 2023

(12 week course)

PRINCIPAL
AAVAI ENGINEERING COLLEGE
MAHARAJA PURI NAMAKKAL DIST.

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL23MA96S743000322

To verify the certificate



No. of credits recommended: 3 or 4



SRI KRISHNA ARTS AND SCIENCE COLLEGE

An Autonomous College Affiliated to Bharathiar University
Re-Accredited by NAAC with 'A' Grade
Kuniamuthur, Coimbatore - 641 008, Tamil Nadu



Department of Mathematics

CERTIFICATE OF PARTICIPATION

This is to certify that **K.Uma**, Department of Mathematics, Paavai Engineering College, Namakkal has participated in the International Conference of Emerging Trends in Computational Mathematics and Data Science - "ICETCMDS-24" organized by the Department of Mathematics, Sri Krishna Arts and Science College, Coimbatore, Tamil Nadu during 10th - 11th January 2024.


HOD
DR. D. MAHESWARI


DEAN
DR. K.S. JEAN MARSELINE


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
PRINCIPAL
DR. R. JAGASEEVAN



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

R PRADEEPA

for successfully completing the course

Graph Theory

with a consolidated score of **51** %

Online Assignments	16.38/25	Proctored Exam	34.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **956**

Prof. M. S. Santhanam
Dean, International Relations and Outreach
IISER Pune

Jan-Mar 2024

(8 week course)

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
MADHAI POST, NAMAKKAL DIST.

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras



**IISER - Indian Institute of Science Education
and Research Pune**



Roll No: NPTEL24MA23S555000033

To verify the certificate



No. of credits recommended: 2 or 3



SRI KRISHNA ARTS AND SCIENCE COLLEGE

An Autonomous College Affiliated to Bharathiar University
Re-Accredited by NAAC with 'A' Grade
Kuniamuthur, Coimbatore - 641 008, Tamil Nadu




Department of Mathematics

CERTIFICATE OF PARTICIPATION

This is to certify that **R. Pradeepa**, **Department of Mathematics**, **Paavai Engineering College, Namakkal** has participated in the International Conference of Emerging Trends in Computational Mathematics and Data Science - "ICETCMDs-24" organized by the Department of Mathematics, Sri Krishna Arts and Science College, Coimbatore, Tamil Nadu during 10th - 11th January 2024.


HOD
DR. D. MAHESWARI


DEAN
DR. K.S. JEYAN


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
NAMAKKAL
DR. R. JACAJEEVAN



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
MANJULA C
for successfully completing the course

Graph Theory

with a consolidated score of **57** %

Online Assignments	19.75/25	Proctored Exam	36.75/75
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Total number of candidates certified in this course: **956**

Prof. M. S. Santhanam
Dean, International Relations and Outreach
IISER Pune

Jan-Mar 2024

(8 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras



**IISER - Indian Institute of Science Education
and Research Pune**

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
HH-7, PACHAL Post, NAMAKKAL



Roll No: NPTEL24MA23S655000323

To verify the certificate



No. of credits recommended: 2 or 3



SRI KRISHNA ARTS AND SCIENCE COLLEGE

An Autonomous College Affiliated to Bharathiar University
Re-Accredited by NAAC with 'A' Grade
Kuniamuthur, Coimbatore - 641 008, Tamil Nadu



Department of Mathematics

CERTIFICATE OF PARTICIPATION

This is to certify that **C.Manjula**, **Department of Mathematics**, **Paavai Engineering College, Namakkal** has participated in the International Conference of Emerging Trends in Computational Mathematics and Data Science - "**ICETCMDs-24**" organized by the Department of Mathematics, Sri Krishna Arts and Science College, Coimbatore, Tamil Nadu during 10th - 11th January 2024.


HOD
DR. D. MAHESWARI


DEAN
DR. K.S. JAGAN MARUDHUNI


PRINCIPAL
PAVAI ENGINEERING COLLEGE
NAMAKKAL Post. NAMAKKAL
DR. R. JAGAJEEVAN



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

DR T PRAKASH

for successfully completing the course

Atomic and Molecular Physics



with a consolidated score of **79** %

Online Assignments	20.53/25	Proctored Exam	58.5/75
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Total number of candidates certified in this course: **129**

Jan-Apr 2024

(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
4th-7, PACHAL Post, NAMAKKAL



Roll No: NPTEL24PH04S1166100339

To verify the certificate



No. of credits recommended: 3 or 4



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

DR T PRAKASH

for successfully completing the course



Physics of Functional Materials & Devices

with a consolidated score of **92** %

Online Assignments	22.56/25	Proctored Exam	69/75
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Total number of candidates certified in this course: **188**

Jul-Oct 2023

(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
4th-7 PACHAL Post, NAMAKKAL



Roll No: NPTEL23PH34S746001517

To verify the certificate



No. of credits recommended: 3 or 4



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

HARIPRAKASH NAGARAJAN

for successfully completing the course

Physics of Functional Materials & Devices

with a consolidated score of **68** %

Online Assignments	22.94/25	Proctored Exam	44.63/75
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Total number of candidates certified in this course: **188**

Jul-Oct 2023

(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL

IIT Kharagpur



Indian Institute of Technology Kharagpur

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
JULY 2023



Roll No: NPTEL23PH34S848501362

To verify the certificate



No. of credits recommended: 3 or 4



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

HARIPRAKASH NAGARAJAN

for successfully completing the course

Experimental Physics - II

with a consolidated score of **54** %

Online Assignments	13.75/25	Proctored Exam	40.5/75
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Total number of candidates certified in this course: **117**

Jan-Apr 2024

(12 week course)

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
H-7, PACHAL Post, NAMAKKAL Dist.

Prof. Haimanti Banerji

Coordinator, NPTEL

IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24PH06S1263100233

To verify the certificate



No. of credits recommended: 3 or 4

SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY




CERTIFICATE

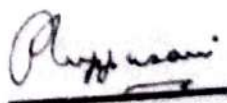
THIS CERTIFICATE IS PROUDLY PRESENTED TO

—◆ Mrs. DIVYA P ◆—

Research Scholar, Department of Physics , Paavai Engineering College, for attending Two Days Training Program on **"Materials Characterization Techniques"**, organized by Centre for Nanoscience and Nanotechnology & Advanced Characterization Facility, Sathyabama Centre for Advanced Studies, Sathyabama Institute of Science and Technology Chennai during June 22-23, 2023.


Dr. T. SASIPRABA
Vice-Chancellor
SATHYABAMA


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
H.7 PACHAL Post, NAMAKKAL DIST.


Dr. P. KUPPUSAMI
Senior Scientist
SATHYABAMA



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

DR G RAJA

for successfully completing the course

Analytical Chemistry

with a consolidated score of **70** %

Online Assignments	19.38/25	Proctored Exam	51/75
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Total number of candidates certified in this course: **626**

Jul-Oct 2023

(12 week course)

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
/H.7. PACHAL Post, NAMAKKAL Dis.

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CY59S734500020

To verify the certificate



No. of credits recommended: 3 or 4

JAYARAJ ANNAPACKIAM COLLEGE FOR WOMEN (AUTONOMOUS)



(A unit of the Sisters of St. Anne of Tiruchirapalli)

DST-FIST Supported College Since 2016

Accredited with 'A' Grade in 4th Cycle by NAAC

Affiliated to Mother Teresa Women's University, Kodaikanal.

PERIYAKULAM - 625 601, THENI DISTRICT.

PG & Research Centre of Physics & Consultancy Cell

International Virtual Conference on "Emerging Technologies in Materials Science" (ICETM -2024)

Participation Certificate

This is to certify that Ms./ Mr./ Dr./ G.RAJA
PAAVAI ENGINEERING COLLEGE

has actively participated in the **International Virtual Conference on "Emerging Technologies in Materials Science" (ICETM - 2024)** organized by PG & Research Centre of Physics in collaboration with Consultancy cell on 22.02.2024.

M. Arulmozhi

Dr. M. Arulmozhi
Convener and Head of the Department

S. S. Jesurani

Rev. Sr. Dr. S. Jesurani

Made for free with Certify'em

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
4H-7, PACHAL Post, NAMAKKAL Dist.



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

N DHANABALAN

for successfully completing the course

Physico-chemical Processes for Wastewater Treatment

with a consolidated score of **62** %

Online Assignments	20.31/25	Proctored Exam	42/75
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Total number of candidates certified in this course: **248**

Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator CEC

Jan-Apr 2024

(12 week course)

Prof. Ranjana Pathania,
Professor (BSBE)
Coordinator (NPTEL)



Indian Institute of Technology Roorkee

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
14-7 PACHAL Post, NAMAKKAL Dis.



JAYARAJ ANNAPACKIAM COLLEGE FOR WOMEN (AUTONOMOUS)



(A unit of the Sisters of St. Anne of Tiruchirapalli)

DST-FIST Supported College Since 2016

Accredited with 'A' Grade in 4th Cycle by NAAC

Affiliated to Mother Teresa Women's University, Kodaikanal.

PERIYAKULAM - 625 601, THENI DISTRICT.

PG & Research Centre of Physics & Consultancy Cell

International Virtual Conference on "Emerging Technologies in Materials Science" (ICETM -2024)

Participation Certificate

This is to certify that Ms./ Mr./ Dr./ N.DHANABALAN
PAAVAI ENGINEERING COLLEGE

has actively participated in the **International Virtual Conference on "Emerging Technologies in Materials Science" (ICETM - 2024)** organized by PG & Research Centre of Physics in collaboration with Consultancy cell on 22.02.2024.

M. Arulmozhi

Dr. M. Arulmozhi

Convenor and Head of the Department

PRINCIPAL

PAAVAI ENGINEERING COLLEGE
14-7 PACHAL Post, NAMAKKAL Dist

Rev. Sr. Dr. S. Jesurani

Made for free with Certify'em

JAYARAJ ANNAPACKIAM COLLEGE FOR WOMEN (AUTONOMOUS)



(A unit of the Sisters of St. Anne of Tiruchirapalli)

DST-FIST Supported College Since 2016

Accredited with 'A' Grade in 4th Cycle by NAAC

Affiliated to Mother Teresa Women's University, Kodaikanal.

PERIYAKULAM - 625 601, THENI DISTRICT.

PG & Research Centre of Physics & Consultancy Cell

International Virtual Conference on "Emerging Technologies in Materials Science" (ICETM -2024)

Participation Certificate

This is to certify that Ms./ Mr./ Dr./ **A.JEEVA**

PAAVAI ENGINEERING COLLEGE

has actively participated in the International Virtual Conference on "Emerging Technologies in Materials Science" (ICETM - 2024) organized by PG & Research Centre of Physics in collaboration with Consultancy cell on 22.02.2024.

Dr. M. Arulmozhi

Dr. M. Arulmozhi

Convenor and Head of the Department

[Signature]

PRINCIPAL

PAAVAI ENGINEERING COLLEGE
44.7 PACHAL Post, NAMAKKAL Dist.

[Signature]

Rev. Sr. Dr. S. Jesurani

Made for free with Certify'em

Dr. SUDHANVA SINGH NETAM GOVERNMENT COLLEGE MALANJKHAND DIST.BALAGHAT(M.P)



International E-Conference on

"Intellectual Property (IP) Rights : Creative India ; Innovative India"

(Sponsored by Madhya Pradesh Higher Education Department under the aegis of IQAC)

CERTIFICATE OF PARTICIPATION

This is to certify that A.JEEVA ,Assistant Professor, Paavai Engineering College has actively participated in the One Day International E-Conference on the topic "Intellectual Property (IP) Rights : Creative India ; Innovative India" under National Intellectual Property Awareness Mission, organized by Department of Chemistry, Dr. Sudhanva Singh Netam Government College Malanjkhanda, Dist.Balaghat (M.P.) held on 1st May, 2024.

Swati Singh
Convener
Assistant Professor

S.L.Mandavi
IQAC Incharge
Assistant Professor

Dr.M.K.Dhurwey
Patron
Principal

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
JH-7, PACHAL Post, NAMAKKAL Dist.

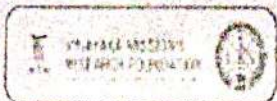


Indo-South Korea-Thailand 3rd International Conference on
Nanoscience and Nanotechnology for Energy,
Environment and Biomedical Applications
(INEEBA-2023)



Date : 1st & 2nd October 2023

Jointly Organized by



CERTIFICATE OF PRESENTATION

This is to certify that Dr. C. NIRMALA, Assoc. Prof. & Head/BTE, Paavai Engg College
has presented a paper entitled Synthesis and Characterization of Astaxanthin-Loaded
Chitosan Nanoparticles and pharmacological properties. in the
Indo-South Korea-Thailand 3rd International Conference on Nanoscience and Nanotechnology for Energy, Environment and
Biomedical Applications (INEEBA-2023), organized by Vinayaka Mission's Kirupananda Variyar Arts and Science College,
India in association with Core-Facility Center for Photochemistry & Nanomaterials, Research Institute of Natural Science
(RINS), Gyeongsang National University South Korea and Chulalongkorn University, Thailand during 1st - 2nd October, 2023.

Prof. Dr. V. Anbazhagan
Convener - INEEBA2023
Principal, VITVASC

Prof. Dr. Myong Yong Choi
Convener - INEEBA2023 &
GNI, South Korea

Prof. Dr. A. Nagappan
Organizing Secretary - INEEBA2023 &
Registrar, VITVASC

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
NH.7, PACHAL Post, NAMAKKAL Dist.



Certificate

OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Dr C.Nirmala

Department of Biotechnology, Paavai Engineering College

For Participating in the Skill Training Workshop on the Title

Navigating Academic Conferences, Journal Publications, and Digital Object Identifiers (DOIs): A Comprehensive Workshop

"Navigating Academic Conferences, Journal Publications, and Digital Object Identifiers (DOIs): A Comprehensive Workshop" Organized by RSP Science Hub, Coimbatore, Tamil nadu, India On 03/05/2024.

Pravin Thangavelu

Dr. Pravin Thangavelu
Workshop Convenor,
RSP Science Hub,
Coimbatore, Tamilnadu, India.

PRINCIPAL

PAAVAI ENGINEERING COLLEGE
4H-7, PACHAL Post, NAMAKKAL Dist.



Certificate

OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Dr. S. Parthasarathy

Department of Biotechnology, Paavai Engineering College


For Participating in the Skill Training Workshop on the Title

Navigating Academic Conferences, Journal Publications, and Digital Object Identifiers (DOIs): A Comprehensive Workshop

"Navigating Academic Conferences, Journal Publications, and Digital Object Identifiers (DOIs): A Comprehensive Workshop" Organized by RSP Science Hub, Coimbatore, Tamil nadu, India On 03/05/2024.

Pravin Thangavelu

Dr. Pravin Thangavelu
Workshop Convener,
RSP Science Hub,
Coimbatore, Tamilnadu, India.


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
H.7. PACHAL Post, NAMAKKAL Dist.



Certificate

OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Dr. K. Kavitha

Department of Biotechnology, Paaval Engineering College

For Participating in the Skill Training Workshop on the Title

Navigating Academic Conferences, Journal Publications, and Digital Object Identifiers (DOIs): A Comprehensive Workshop

"Navigating Academic Conferences, Journal Publications, and Digital Object Identifiers (DOIs): A Comprehensive Workshop" Organized by RSP Science Hub, Coimbatore, Tamil nadu, India On 03/05/2024.

Pravin Thangavelu

Dr. Pravin Thangavelu

Workshop Convener,

RSP Science Hub,

Coimbatore, Tamilnadu, India.

PRINCIPAL

PAVAI ENGINEERING COLLEGE
14.7. PACHAL Post, NAMAKKAL Dist



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

MUTHU MANI M

for successfully completing the course

Bioelectrochemistry

with a consolidated score of **67** %

Online Assignments	19.17/25	Proctored Exam	48/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **88**

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Jan-Feb 2024

(4 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL24BT13S355000179

To verify the certificate



No. of credits recommended: 1 or 2

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
114-7, PACHAL Post, NAMAKKAL Dist

SONA COLLEGE OF
ARTS AND SCIENCE



PARTICIPATION CERTIFICATE

Bioritz Association
Department of Biotechnology

BIOTA-2024

This is to certify that Prof./Dr./Mr./Ms. M. MUTHUMANI, DEPARTMENT OF.....

BIOTECHNOLOGY, PAAVAI ENGINEERING COLLEGE

✓
has participated in Oral Presentation / Poster Presentation / Petri art / Quiz at
"National Conference on Biotechnological Approaches for Current Challenges"
Organized by Department of Biotechnology, Sona College of Arts and Science,
Salem, Tamilnadu on 2nd February 2024.

Organizing Secretaries
Dr. R. Suriyaprabha
Dr. S. Vasuki

HOD Biotechnology
Mrs. M. Bhuvaneswari

Principal
Dr. G. M. Kadhar Nawaz

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL Post, NAMAKKAL Dist.



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

MANO B

for successfully completing the course

Dairy and Food Process and Products Technology

with a consolidated score of **61 %**

Online Assignments	24.38/25	Proctored Exam	36.74/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: 1335

Jul-Oct 2023

(12 week course) **PRINCIPAL**
AI ENGINEERING COLLEGE
JH-7, PACHAL Post, NAMAKKAL Dis.

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23AG18S543000043

To verify the certificate



No. of credits recommended: 3 or 4



EXCEL ENGINEERING COLLEGE (Autonomous)



Approved by AICTE New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA (Aero, Mech, CSE and ECE, NAAC (A Grade) and Recognized by UGC (2f & 12b)
Komarapalayam-637303, Namakkal.

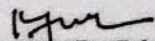



SCIENCE AND ENGINEERING RESEARCH BOARD

CERTIFICATE


Mr.B.Mano, Assistant Professor

PAAVAI ENGINEERING COLLEGE has participated in
Science and Engineering Research Board (SERB) sponsored Three days National Level Seminar on
"Emerging Advancements in Smart material Applications" from 02.04.2024 to 04.04.2024
conducted by Department of Aeronautical Engineering


Prof.K.Vijay Babu
CO-ORDINATOR


Dr.K.Rajkumar
HEAD / AERONAUTICAL


PRINCIPAL


Dr.K.Bommannaraja
PRINCIPAL

PAVAI ENGINEERING COLLEGE
1407, PACHAL Post, NAMAKKAL DISTRICT



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

MEIGNANAMOORTHY A

for successfully completing the course

Natural Resources Management

with a consolidated score of **60** %

Online Assignments	22.97/25	Proctored Exam	37.5/75
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Total number of candidates certified in this course: **405**

Jul-Oct 2023

(12 week course)

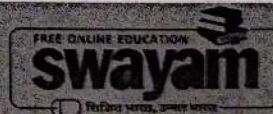
Prof. T. V. Bharat

Head, Centre for Educational Technology
NPTEL Coordinator, IIT Guwahati



Indian Institute of Technology Guwahati

PAVAI ENGINEERING COLLEGE
414.7 PACHAL Post, NAMAKKAL Dist



Roll No: NPTEL23AG15S543000176

To verify the certificate



No. of credits recommended: 3 or 4



EXCEL ENGINEERING COLLEGE
(Autonomous)



Approved by AICTE New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA (Aero, Mech, CSE and ECE, NAAC (A Grade) and Recognized by UGC (2f & 12b)
Komarapalayam-637303, Namakkal.

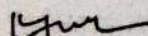


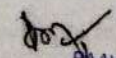
SCIENCE AND ENGINEERING RESEARCH BOARD

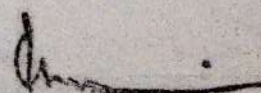
CERTIFICATE

Mrs.A.Meignanamoothi, Assistant Professor

PAAVAI ENGINEERING COLLEGE has participated in
Science and Engineering Research Board (SERB) sponsored Three days National Level Seminar on
"Emerging Advancements in Smart material Applications" from 02.04.2024 to 04.04.2024
conducted by Department of Aeronautical Engineering


Prof.K.Vijay Babu
CO-ORDINATOR


Dr.K.Rajkumar
HEAD / AERONAUTICAL


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
V-7, PACHAL Post, NAMAKKAL DIST
PRINCIPAL



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

M BHUVANESWARI

for successfully completing the course

Municipal Solid Waste Management

with a consolidated score of **54** %

Online Assignments	22.63/25	Proctored Exam	31.75/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **2597**

Jul-Oct 2023

(12 week course)

PRINCIPAL

PAVAI ENGINEERING COLLEGE
14.7, PACHAL Post, NAMARKAL Dis.

Prof. T. V. Bharat

Head, Centre for Educational Technology
NPTEL Coordinator, IIT Guwahati



Indian Institute of Technology Guwahati



Roll No: NPTEL23CE66S843000516

To verify the certificate



No. of credits recommended: 3 or 4



EXCEL ENGINEERING COLLEGE
(Autonomous)



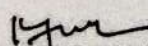
Approved by AICTE New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA (Aero, Mech, CSE and ECE, NAAC (A Grade) and Recognized by UGC (2f & 12b)
Komarpalayam-637303, Namakkal.

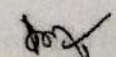
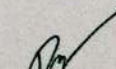



SCIENCE AND ENGINEERING RESEARCH BOARD
CERTIFICATE

Mrs.B.Bhuvaneswari, Assistant Professor

PAAVAI ENGINEERING COLLEGE has participated in
Science and Engineering Research Board (SERB) sponsored Three days National Level Seminar on
"Emerging Advancements in Smart material Applications" from 02.04.2024 to 04.04.2024
conducted by Department of Aeronautical Engineering


Prof.K.Vijay Babu
CO-ORDINATOR

  
Dr.K.Rajkumar PRINCIPAL
HEAD / AERONAUTICAL
PAVAI ENGINEERING COLLEGE
JH.7 PACHAL Post, NAMAKKAL Dis PRINCIPAL



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

SUBASHINI A

for successfully completing the course

Municipal Solid Waste Management

with a consolidated score of **72** %

Online Assignments	22.31/25	Proctored Exam	49.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **2597**

Jul-Oct 2023

(12 week course)

PRINCIPAL

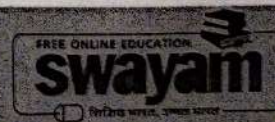
Prof. T. V. Bharat

Head, Centre for Educational Technology
NPTEL Coordinator, IIT Guwahati



Indian Institute of Technology Guwahati

PAAYAT ENGINEERING COLLEGE
JH-7, PACHAL POST, NAMAKKAL DISTRICT



Roll No: NPTEL23CE66S746001893

To verify the certificate



No. of credits recommended: 3 or 4



EXCEL ENGINEERING COLLEGE (Autonomous)



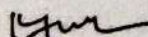
Approved by AICTE New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA (Aero, Mech, CSE and ECE, NAAC (A Grade) and Recognized by UGC (2f & 12b)
Komasapalayam-637303, Namakkal.

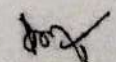


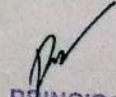
SCIENCE AND ENGINEERING RESEARCH BOARD CERTIFICATE

Mrs.A.Subashini, Assistant Professor

PAAVAI ENGINEERING COLLEGE has participated in
Science and Engineering Research Board (SERB) sponsored Three days National Level Seminar on
"Emerging Advancements in Smart material Applications" from 02.04.2024 to 04.04.2024
conducted by Department of Aeronautical Engineering


Prof.K.Vijay Babu
CO-ORDINATOR


Dr.K.Rajkumar
HEAD / AERONAUTICAL


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
PRINCIPAL
Komasapalayam Post, NAMAKKAL Dist.



NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

DR A VIVEKANANDHINI

for successfully completing the course

**Post Harvest Operations and Processing of Fruits, Vegetables,
Spices and Plantation Crop Products**

with a consolidated score of 49 %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
JH 7, PACHAL PO, NAMAKKAL DIST



(Jul-Oct 2023)

Roll No: NPTEL23AG16S546002587

Duration of NPTEL course : 12 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18



EXCEL ENGINEERING COLLEGE
(Autonomous)



Approved by AICTE New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA (Aero, Mech, CSE and ECE, NAAC (A Grade) and Recognized by UGC (2f & 12b)
Komasapulayam-637303, Namakkal.

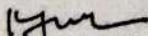


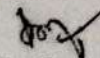
SCIENCE AND ENGINEERING RESEARCH BOARD

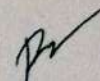
CERTIFICATE


Dr.A.Vivekanandhini, Assistant Professor

PAAVAI ENGINEERING COLLEGE has participated in
Science and Engineering Research Board (SERB) sponsored Three days National Level Seminar on
"Emerging Advancements in Smart material Applications" from 02.04.2024 to 04.04.2024
conducted by Department of Aeronautical Engineering


Prof.K.Vijay Babu
CO-ORDINATOR


Dr.K.Rajkumar
HEAD / AERONAUTICAL


PRINCIPAL


Dr.K.Bommannaraja
PRINCIPAL

PAAVAI ENGINEERING COLLEGE
14-7 PACHAL Post, NAMAKKAL Dis



JAIN
DEEMED-TO-BE UNIVERSITY

FACULTY OF
ENGINEERING
AND TECHNOLOGY

School of Computer Science and Engineering

JAIN Global Campus, Kanakapura Main Road, Bengaluru, Karnataka.

International FDP

on

Interdisciplinary Insights: Data Science, Machine Learning and Cyber Security

Certificate of Participation

This is to certify that **Mrs.A.Rathipriya** from B.C.S.E.,(Artificial Intelligence and Machine Learning), PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), has participated in the One-week Online International FDP on Interdisciplinary Insights: Data Science, Machine Learning and Cyber Security from 19th Feb. to 24th Feb., 2024, organized by the School of Computer Science and Engineering, JAIN (Deemed-to-be University), Bangalore.

Dr.J.Somasekar
Convenor

Dr. Sunanda Das
Program Head (Cyber Security)

Dr. G Geetha
Director





VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY, MADURAI

(Autonomous)

Accredited By NAAC With "A" Grade and By NBA for 6 UG Programmes

Approved By AICTE and Affiliated to Anna University, Chennai

Department of Artificial Intelligence and Data Science

CERTIFICATE

of Participation

This Certificate is awarded to

A.Rathipriya, Assistant Professor

Paavai Engineering College, Namakkal

for Participating in Five Days Online Faculty Development Program on
"PROMPT ENGINEERING" organized by Department of Artificial
Intelligence and Data Science, Velammal College of Engineering and
Technology.

Date: 1st April 2024 - 5th April 2024

Dr.S.Sasikala
Convener



Dr.P.Alli
Principal



JAIN
DEEMED-TO-BE UNIVERSITY

FACULTY OF
ENGINEERING
AND TECHNOLOGY

School of Computer Science and Engineering

JAIN Global Campus, Kanakapura Main Road, Bengaluru, Karnataka.

International FDP

on

Interdisciplinary Insights: Data Science, Machine Learning and Cyber Security

Certificate of Participation

This is to certify that **Dr.P.SRINIVASAN** from **B.C.S.E.,(Artificial Intelligence and Machine Learning)**, **PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)**, has participated in the **One-week Online International FDP on Interdisciplinary Insights: Data Science, Machine Learning and Cyber Security** from **19th Feb. to 24th Feb., 2024**, organized by the **School of Computer Science and Engineering, JAIN (Deemed-to-be University), Bangalore.**

Dr.J.Somasekar
Convenor

Dr. Sunanda Das
Program Head (Cyber Security)

Dr. G Geetha
Director





VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY, MADURAI

(Autonomous)

Accredited By NAAC With "A" Grade and By NBA for 6 UG Programmes

Approved By AICTE and Affiliated to Anna University, Chennai

Department of Artificial Intelligence and Data Science

CERTIFICATE

of Participation

This Certificate is awarded to

Dr.P.Srinivasan, Professor

Paavai Engineering College, Namakkal

for Participating in Five Days Online Faculty Development Program on
"PROMPT ENGINEERING" organized by Department of Artificial
Intelligence and Data Science, Velammal College of Engineering and
Technology.

Date: 1st April 2024 - 5th April 2024

Dr.S.Sasikala
Convener



Dr.P.Alli
Principal



Elite
NPTEL Online Certification
(Funded by the MoE, Govt. of India)



This certificate is awarded to

ANITHA V

for successfully completing the course

The Joy of Computing using Python

with a consolidated score of **60** %

Online Assignments	22.44/25	Proctored Exam	37.25/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: 12432

Devendra Jalihal

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Apr 2024

(12 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS57S666100481

To verify the certificate



No. of credits recommended: 3 or 4

[Signature]
PRINCIPAL
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL Post, NAMAKKAL Dist



LEARNIX THRIVE
Crafting Your Innovation through Insight



CERTIFICATE

OF PARTICIPATION
THIS IS TO ACKNOWLEDGE AND HONOR
Sangeetha K

Computer Science and Engineering
Paavai Engineering College (Autonomous)

has participated in the Two days National Level Workshop on "Python
and GenAI" organized by Learnix Thrive, 5th October and 6th
October 2024

5th Oct & 6th Oct, 2024
DATE



CEO of Learnix Thrive

PAAVAI ENGINEERING COLLEGE
44-7, PACHAL Post, NAMAKKAL Dist



CERTIFICATE OF PARTICIPATION

This is to certify that **Dr/Mr/Ms. K. RAMANAN**, Assistant Professor, **Paavai Engineering College** has participated in Webinar on **"TPR & IP Management for startups"** held on **08.12.2023** organized by **Vel Tech VEL & Institution's Innovation Council**, Vel Tech Rangarajan Dr. Saguntala R&D Institute of Science and Technology, Avadi, Chennai-62.

Dr. P. Chandrakumar
President, IIC-Vel Tech

Certificate ID: **IPWEL-00000000**

Note: "This is an Electronically generated Certificate. Hence No Authored Signature is Needed"

Made for free with Certify'em

PRINCIPAL

PAAVAI ENGINEERING COLLEGE
(K.J. PACHAL Post, NAMAKKAL Dist)



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

RAMANAN K

for successfully completing the course

Python for Data Science

with a consolidated score of **61** %

Online Assignments	25/25	Proctored Exam	36.44/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: 7596

Devendra Jalihal

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jul-Aug 2023

(4 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS99S45350281

To verify the certificate



No. of credits recommended: 1 or 2

Principal

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
1H-7 PACHAL Post, NAMAKKAL Dis.




Certificate OF PARTICIPATION

This is to certify that

K. RAMANAN

ASSISTANT PROFESSOR....., from PAAYAL ENGINEERING COLLEGE.....
has participated in Five Days National Seminar on **Integration of AI and IoT for Industry 4.0 towards Atmanirbhar Bharat** Sponsored by **Science and Engineering Research Board (SERB)**, Organised by **Department of Research, KCG College of Technology** on 19th to 23rd June 2023.


Dr. Deepa Jose
Professor and Head Research
Organising Secretary


Dr. P. Deiva Sundari
Principal


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL Post, NAMAKKAL Dist.



CERTIFICATE OF PARTICIPATION

This is to certify that Dr./Mr./Ms. **A.JEYAMURUGAN, ASSISTANT PROFESSOR , PAAVAI ENGINEERING COLLEGE** has participated in Webinar on "IPR & IP Management for startups" held on 08.12.2023 organized by Vel Tech TBI & Institution's Innovation Council, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Avadi, Chennai-62.

Dr. P. Chandrakumar
President, IIC-Vel Tech

Certificate ID: B9WLEG-CE000019

Note: *This is an Electronically generated Certificate, Hence No Authorised Signature is Needed*

Made for free with Certify'em


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
IH-7 PACHAL Post, NAMAKKAL Dis.

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
Faculty of Engineering and Technology, Vadapalani Campus, Chennai - 26.
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
(Emerging Technologies)



Certificate of Participation

This is to certify that

NAGESWARA RAO

has attended the Online Faculty Development Programme on **COMPUTER VISION & IMAGE PROCESSING WITH INTELLIGENT CLOUD RESOURCES** organised by the Department of Computer Science and Engineering (Emerging Technologies), SRM Institute of Science and Technology, Vadapalani Campus, Chennai, held from 21st Oct 2024 to 25th Oct 2024.

Dr. P. Chitra
Professor & Head / CSE (E-Tech)
SRM IST, Vadapalani Campus

Dr. C. Gomathy
VP - Academics & Placements
SRM IST, Vadapalani Campus

Dr. C.V. Jayakumar
Dean - FET
SRM IST, Vadapalani Campus

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
4H-7, PACHAL Post, NAMAKKAL Dist.



COURSE COMPLETION CERTIFICATE

The certificate is awarded to

Niranjana Ram

for successfully completing the course

Programming Fundamentals using Python - Part 1

on September 15, 2024

Infosys | Springboard

Congratulations! You make us proud!



Issued on: Sunday, September 15, 2024
To verify, scan the QR code at <https://verify.amsinfosys.com>

Thirumala Arohi
Executive Vice President and Global Head
Education, Training & Assessment (ETA)
Infosys Limited

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
JH.7 PACHAL Post, NAMAKKAL Dis



SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

KATTANKULATHUR, CHENNAI-603203
COLLEGE OF ENGINEERING AND TECHNOLOGY
SCHOOL OF COMPUTING
DEPARTMENT OF COMPUTATIONAL INTELLIGENCE



School of
Computing



Six days National Workshop on
Technology Interchange and Development in Earth Science Using Artificial Intelligence

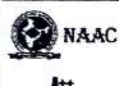


CERTIFICATE OF PARTICIPATION

This is to certify that ~~Dr. Mr. Mrs.~~ Elanchezhian E has participated in six days
National Workshop on Technology Interchange and Development in Earth Science
using Artificial Intelligence organized by the Department of Computational Intelligence,
School of Computing, SRM Institute of Science and Technology, Kattankulathur during 4th
March 2024 to 9th March 2024

Co-Convenor

Convenor



A++



Category I
with 12B Status



(2022)
Ranked 19th University



(2023) World Ranking
one among 41 Indian Universities



(2023) World Ranking
one among 75 Indian Universities



(2021)
Ranked 4th



(2023) World Ranking
one among 34 Indian Universities

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
4H-7, PACHAL Post, NAMAKKAL Dis



CHRIST THE KING ENGINEERING COLLEGE

RUN BY FATHER'S OF MMI AND SISTER'S OF DMI
138/3, ONNIPALAYAM ROAD, KARAMADAI, COIMBATORE -641104

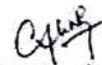


FIRST INTERNATIONAL CONFERENCE ON
INNOVATIVE RESEARCH IN ENGINEERING SCIENCES
(ICIRES-2024)

CERTIFICATE

E.ELANCHEZHIAN, ASSISTANT PROFESSOR, DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING, HAS PRESENTED A PAPER
ENTITLED 'SECURE AND PRESERVE PRIVACY FOR CONSUMER AND
CONSUMPTION DATA IN ADVANCED METERING' FROM PAAVAI
ENGINEERING COLLEGE, NAMAKKAL AT THE FIRST INTERNATIONAL
CONFERENCE ON INNOVATIVE RESEARCH IN ENGINEERING SCIENCE
HELD AT CHRIST THE KING ENGINEERING COLLEGE ON 10.04.2024.


Dr. S. Dinesh Kirupha
Convener


Dr. N. R. Gayathiri
Convener


Dr. M. Jayakumar
Principal




PRINCIPAL
PAAVAI ENGINEERING COLLEGE
14-7, PACHAL Post, NAMAKKAL Dis.



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

DR P THIYAGARAJAN

for successfully completing the course

Python for Data Science

with a consolidated score of **61** %

Online Assignments	24.75/25	Proctored Exam	36.17/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: 7596

Devendra Jalihal

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jul-Aug 2023

(4 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS99S45540121

To verify the certificate



No. of credits recommended: 1 or 2

[Signature]
PRINCIPAL
PAAVAL ENGINEERING COLLEGE
114.7 PACHAI Post, NAMAKKAL Dis.



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

DR P THIYAGARAJAN

for successfully completing the course

Problem Solving Through Programming in C

with a consolidated score of **60** %

Online Assignments	10/25	Proctored Exam	50.26/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: 3857

Jul-Oct 2023

(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS121S546001213

To verify the certificate



No. of credits recommended: 3 or 4

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
M.7. PACHAL Post, NAMAKKAL Dist