



# SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY

(AN AUTONOMOUS INSTITUTION)

Approved by AICTE & Affiliated to Anna University, Chennai

Accredited by NAAC with 'A' Grade & NBA, Kuniyamuthur, Coimbatore-641008



## CERTIFICATE OF PARTICIPATION

This is to Certify that

**Dr.M.Victor Jose**

**Veltech Multitech**

has participated in International Level Virtual Faculty Development Program on "**Research Advancements in Intelligent Computing Technologies**", organized by Department of Computer Science and Engineering from **19.12.2022 to 23.12.2022**.

**Mr.M.VENGATESHWARAN**  
**Dr.G.VIJAYA & Dr.V.K RESHMA**  
Coordinator

**Dr.K.SASI KALA RANI**  
HOD/CSE

**Dr.J.JANET**  
Principal



# NATIONAL INSTITUTE OF TECHNOLOGY PUDUCHERRY

An Institution of National Importance under the Ministry of Education, Government of India

KARAIKAL – 609 609



## Certificate

This is to certify that Pandiaraj V, Assistant Professor, Mechanical Engineering,  
Vel Tech Multi Tech Dr Rangarajan Dr Sakunthala Engg. College has participated in the Five-  
Day Online Faculty Development Program on “Recent Advances in Composite Materials  
(RACM-2023)”, organized by National Institute of Technology Puducherry, during 27<sup>th</sup> March –  
31<sup>th</sup> of March, 2023.

**Dr. M V A Raju Bahubalendruni**

Convener, AP, ME, NITPY

**Dr. J Ronald Aseer**

Convener, AP, ME, NITPY

**Prof. K. Sankaranarayanan**

Director, NITPY



**RAJALAKSHMI ENGINEERING COLLEGE**  
An AUTONOMOUS Institution  
Affiliated to ANNA UNIVERSITY, Chennai



# CERTIFICATE of Participation

This Certificate is Proudly Presented To



## PANDIARAJ V

from Veltech Multitech Dr.Rangarajan Dr.Sakunthala Engineering College

who has attended a three day faculty development programme on "**Advance Research in Friction Welding and its Engineering Applications**" organised virtually by Department of Mechancial Engineering, Rajalakshmi Engineering College (Autonomous), Chennai from 25/8/2022 to 27/8/2022.

*[Signatures]*  
COORDINATORS

*[Signature]*  
HoD/MECHANICAL

*[Signature]*  
PRINCIPAL





# Vel Tech Multi Tech

Dr.Rangarajan Dr.Sakunthala Engineering College

An Autonomous Institution  
Approved by AICTE, Affiliated to Anna University-Chennai,  
#42, Avadi-Vel Road, Chennai – 600062, Tamil Nadu, India.



## Certificate of Participation

This is to certify that

**PANDIARAJ V**

ASSISTANT PROFESSOR

VEL TECH MULTI TECH Dr.Rangarajan Dr.Sakunthala Engineering College

has participated in the " 5 – Day Online Faculty Development Program " on

**"ADDITIVE MANUFACTURING"**

organized by the Department of Mechanical Engineering,

**Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College.**

Place : Chennai

Date : 13<sup>th</sup> to 17<sup>th</sup> December 2022



Certificate No: 22FDP-028

  
HoD-Mech

  
Principal





# Sri Sivasubramaniya Nadar College of Engineering

( An Autonomous Institution affiliated to Anna University)

Rajiv Gandhi Salai, Kalavakkam – 603110

Department of Electrical and Electronics Engineering

## CERTIFICATE OF PARTICIPATION

This is to certify that

**NITHYA JENEV**

of

**VELTECH MULTITECH**

has participated in the Faculty Development Programme (FDP) on '**Renewable Energy Systems Laboratory**' organized by the Department of Electrical and Electronics Engineering during 26<sup>th</sup> – 29<sup>th</sup> September, 2022.

A handwritten signature in black ink, appearing to read 'VKamaraj', is positioned above the name of the convener.

**Dr. V. Kamaraj**  
Convener

A handwritten signature in black ink, appearing to read 'V. Rajini', is positioned above the name and title of the Head of Department.

**Dr. V. Rajini**  
HOD/EEE



# T.J.S. ENGINEERING COLLEGE

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

Accredited by NAAC / ISO 9001:2015 Certified Institution

T.J.S. Nagar, Peruvoyal, Chennai - 601 206



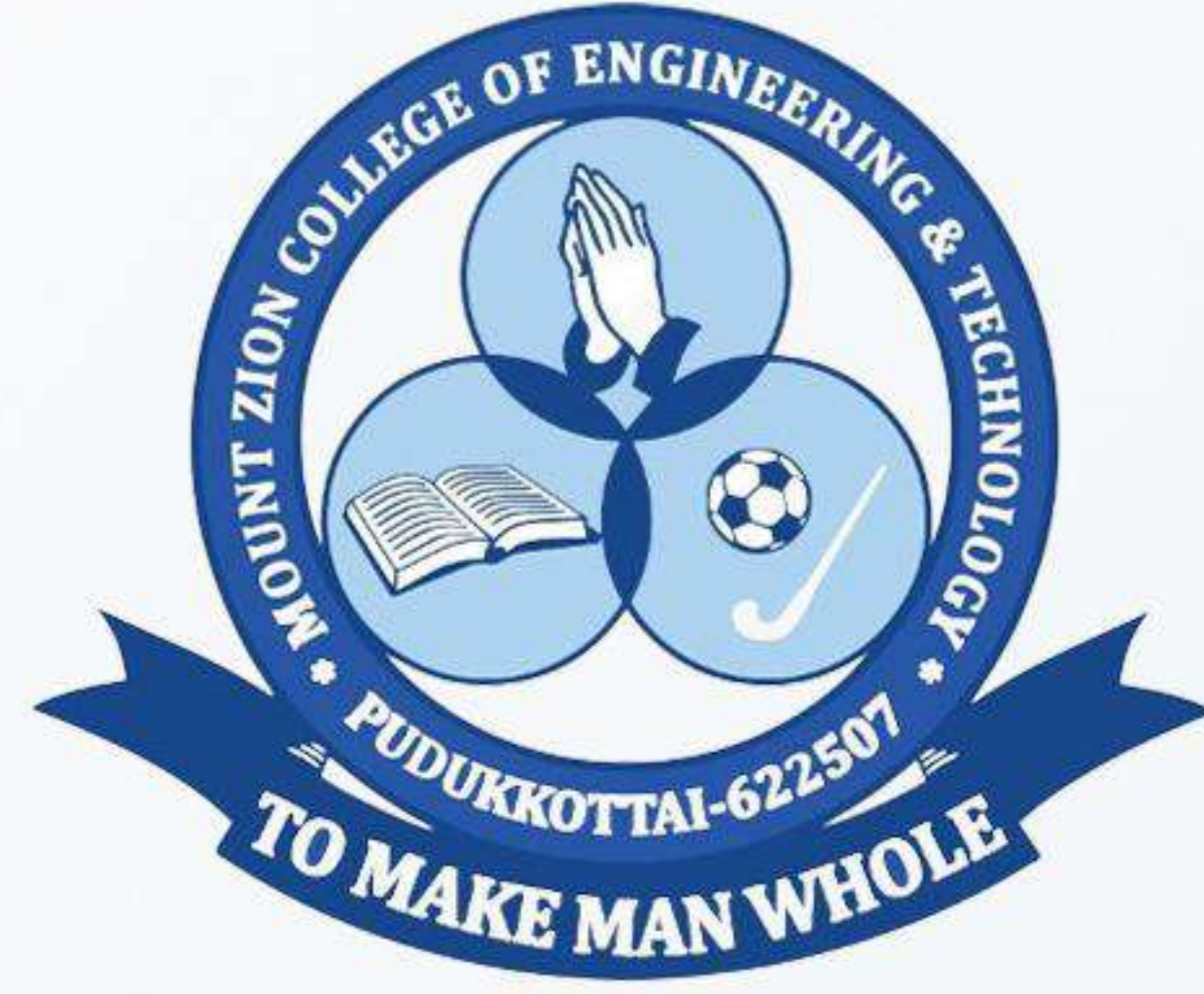
## ONE WEEK NATIONAL LEVEL ONLINE FACULTY DEVELOPMENT PROGRAM ON FUNCTIONAL MATERIALS

### CERTIFICATE OF PARTICIPATION

*This is to certify that **Dr. G. PARTHIPAN, ASSO. PROF. OF PHYSICS, VTMT Dr. RANGARAJAN Dr. SAKUNTHALA ENGG. COLLEGE** has participated in the “One Week National Level Online Faculty Development Program on Functional Materials” organized by the Department of Science and Humanities, T.J.S. Engineering College, Chennai – 601 206 during 22-26 May 2023.*

  
**Convener**  
Dr. S. Arjunan

  
**Principal**  
Dr. J. Prakash



# MOUNT ZION

**COLLEGE OF ENGINEERING AND TECHNOLOGY**

(Approved by AICTE, Affiliated to Anna University & Accredited by NAAC)

Lena Vilakku, Pilivalam P.O, Tirumayam TK, Pudukkottai - 622507

Email : [info@mzcet.in](mailto:info@mzcet.in) | [www.mzcet.in](http://www.mzcet.in)



XPLORE COMPLIANT ISBN  
978-1-6654-6084-2

## Certificate of Presentation

This is to certify that

**T Kavitha**

have successfully presented the paper entitled

**Fuzzy Logic Controlled Sepic with Coupled Inductor-Based Converter for High Voltage Applications**

at the

**International Conference on Automation, Computing and Renewable Systems (ICACRS - 2022)**

organized by Department of Electronics and Communication Engineering, Mount Zion College of Engineering and Technology

held during 13<sup>th</sup> - 15<sup>th</sup>, December 2022 in Pudukkottai, Tamil Nadu, India.

**Session Chair**

Dr. Robinson S  
Dean/ICT, MZCET

**Conference Chair**

Dr. Balamurugan P  
Principal, MZCET

**Chief Patron**

Dr. Jayson K. Jayabarathan  
Director, MZCET



**R.M.K.**  
**ENGINEERING COLLEGE**  
AN AUTONOMOUS INSTITUTION



2023 IEEE International Conference on  
**Research Methodologies in Knowledge Management,  
Artificial Intelligence and Telecommunication Engineering**  
**RMKMATE'23**

This certificate is presented to

**Dr. PALANIKUMAR S**

Professor, Computer Science and Business Systems

Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Avadi, Chennai

for presenting the research paper titled **Employee Churn Retention System Using Association Rule Mining Techniques** in the 2023 IEEE International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering Organized by the Department of Computer Science and Engineering, R.M.K. Engineering College, Chennai, India during 1<sup>st</sup> and 2<sup>nd</sup> November, 2023.

Dr. D. Palraj  
Conference Chair

Dr. T. Sethukarasi  
General Chair

Dr. K.A. Mohamed Junaid  
Principal (Convener)

Thiru. R.S. Munirathinam  
Chairman

R.S.M. Nagar, Kavaraipeetai, Gummidipoondi Taluk, Thiruvallur District 601 206.

Affiliated to Anna University, Chennai

Approved by AICTE, New Delhi

Accredited by NAAC with A+ Grade

All the Eligible UG Programs are Accredited by NBA, New Delhi







**R.M.K.**  
**ENGINEERING COLLEGE**  
AN AUTONOMOUS INSTITUTION



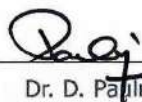
2023 IEEE International Conference on  
**Research Methodologies in Knowledge Management,  
Artificial Intelligence and Telecommunication Engineering**  
**RMKMATE'23**

This certificate is presented to

**Dr. FLOWER QUEEN M.P**

Professor, Electrical and Electronics engineering  
SRM TRP Engineering College, Trichy

for presenting the research paper titled **Employee Churn Retention System Using Association Rule Mining Techniques** in the 2023 IEEE International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering Organized by the Department of Computer Science and Engineering, R.M.K. Engineering College, Chennai, India during 1<sup>st</sup> and 2<sup>nd</sup> November, 2023.

  
Dr. D. Palraj  
Conference Chair

  
Dr. T. Sethukarasi  
General Chair

  
Dr. K.A. Mohamed Junaid  
Principal (Convener)

  
Thiru. R.S. Munirathinam  
Chairman

R.S.M. Nagar, Kavaraipettai, Gummidipoondi Taluk, Thiruvallur District 601 206.

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**R.M.K.**  
**ENGINEERING COLLEGE**  
AN AUTONOMOUS INSTITUTION



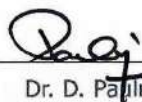
2023 IEEE International Conference on  
**Research Methodologies in Knowledge Management,  
Artificial Intelligence and Telecommunication Engineering**  
**RMKMATE'23**

This certificate is presented to

**Mrs. RESMI H B**

PG Student, Electronics and Communication Engineering  
LBS Institute of Technology, Kerala

for presenting the research paper titled **Employee Churn Retention System Using Association Rule Mining Techniques** in the 2023 IEEE International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering Organized by the Department of Computer Science and Engineering, R.M.K. Engineering College, Chennai, India during 1<sup>st</sup> and 2<sup>nd</sup> November, 2023.

  
Dr. D. Pajiraj  
Conference Chair

  
Dr. T. Sethukarasi  
General Chair

  
Dr. K.A. Mohamed Junaid  
Principal (Convener)

  
Thiru. R.S. Munirathinam  
Chairman

R.S.M. Nagar, Kavaraipettai, Gummidipoondi Taluk, Thiruvallur District 601 206.

Affiliated to Anna University, Chennai

Approved by AICTE, New Delhi

Accredited by NAAC with A+ Grade

All the Eligible UG Programs are Accredited by NBA, New Delhi





**R.M.K.**  
**ENGINEERING COLLEGE**  
AN AUTONOMOUS INSTITUTION



2023 IEEE International Conference on  
**Research Methodologies in Knowledge Management,  
Artificial Intelligence and Telecommunication Engineering**  
**RMKMATE'23**

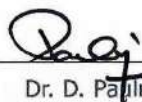
This certificate is presented to

**Dr. SALINDA EVELINE SUNIRAM A**

Assistant Professor, Computer Science

St. Alphonsa College of Arts and Science College, Karinkal

for presenting the research paper titled **Employee Churn Retention System Using Association Rule Mining Techniques** in the 2023 IEEE International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering Organized by the Department of Computer Science and Engineering, R.M.K. Engineering College, Chennai, India during 1<sup>st</sup> and 2<sup>nd</sup> November, 2023.

  
Dr. D. Palraj  
Conference Chair

  
Dr. T. Sethukarasi  
General Chair

  
Dr. K.A. Mohamed Junaid  
Principal (Convener)

  
Thiru. R.S. Munirathinam  
Chairman

R.S.M. Nagar, Kavaraipettai, Gummidipoondi Taluk, Thiruvallur District 601 206.

Affiliated to Anna University, Chennai

Approved by AICTE, New Delhi

Accredited by NAAC with A+ Grade

All the Eligible UG Programs are Accredited by NBA, New Delhi





# CERTIFICATE OF COMPLETION

*presented to*

**sivarajan S**

*for successfully completing*

**Simscape Battery Essentials**

*Mike McLernon*

Date: May 10-11, 2023

Event: MATLAB EXPO 2023

Location: Online

Track: Electrification

**Mike McLernon**

MathWorks

**MATLAB EXPO**





**ICACECS-2022**

11<sup>TH</sup> & 12<sup>TH</sup> Aug, 2022



 Springer

VNR Vignana Jyothi Institute of Engineering and Technology  
Department of Computer Science & Engineering

## CERTIFICATE OF APPRECIATION

This certificate is proudly presented to

***Dr. D. Stalin David***

for the tremendous effort and contribution as

**Reviewer**

at “3rd International Conference on Advances in Computer Engineering and  
Communication System (ICACECS-2022)” held at Department of **Computer Science and  
Engineering**, VNR Vignana Jyothi Institute of Engineering and Technology (VNRVJIET)  
Hyderabad, Telangana, India during  
**11th – 12th August 2022.**



**Dr. A. Brahmananda Reddy**  
**Corresponding Editor and**  
**Conference Chair ICACECS-2022**



**Dr. S. Nagini**  
**Head of the Department**  
**Editor and Conference Chair ICACECS-2022**



# COURSE COMPLETION CERTIFICATE

The certificate is awarded to

**HARINI.R**

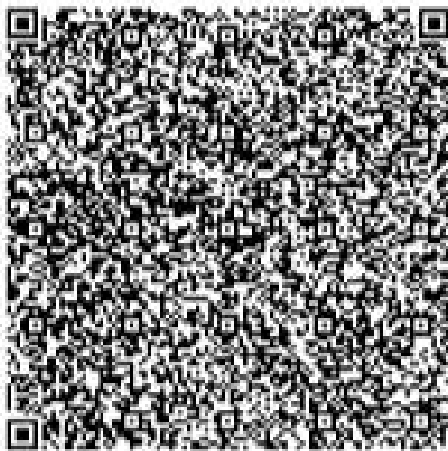
for successfully completing the course

**Introduction to Data Science**

on Wednesday, November 2nd 2022

**Infosys | Springboard**

*Congratulations! You make us proud!*

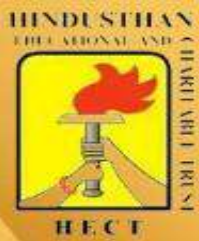


Issued on: Wednesday, November 2nd 2022

This certificate can be verified by scanning the QR code at <https://verify.orwingspan.com>

Thirumala Arohi

Senior Vice President and Head  
Education, Training and Assessment (ETA)  
Infosys Limited



# Hindusthan

## College of Engineering and Technology

Valley Campus, Pollachi Highways, Coimbatore-32  
[www.hiet.ac.in](http://www.hiet.ac.in)



DEPARTMENT OF COMPUTER APPLICATIONS

### *Certificate of Participation*

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Dr/Mr/Ms. VINITHA BABY P

VELTECH MULTITECH DR RANGARAJAN DR SAKUNTHALA ENGINEERING COLLEGE

For actively participating in the Five days Faculty Development Programme on "MACHINE LEARNING USING PYTHON" conducted by Department of Computer Applications from 13.03.2023 to 17.03.2023

Co-ordinator



Convenor



# TECHNICAL PROGRAM COMMITTEE PAPER REVIEWER

This is to confirm that

*Dr. Stalin David*

served as a Paper Reviewer for the 2022 IEEE PES/IAS PowerAfrica Conference held at  
University of Rwanda and Carnegie Mellon University Africa, Kigali, Rwanda  
on 22<sup>nd</sup> – 26<sup>th</sup> of August, 2022.

A handwritten signature in black ink that reads "Barry Rawn".

Barry Rawn, Ph.D.

General Chair

2022 IEEE PES / IAS PowerAfrica Conference

A handwritten signature in black ink that reads "Nathan Williams".

Nathan Williams, Ph.D.

Technical Program Committee Chair

2022 IEEE PES / IAS PowerAfrica Conference







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

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

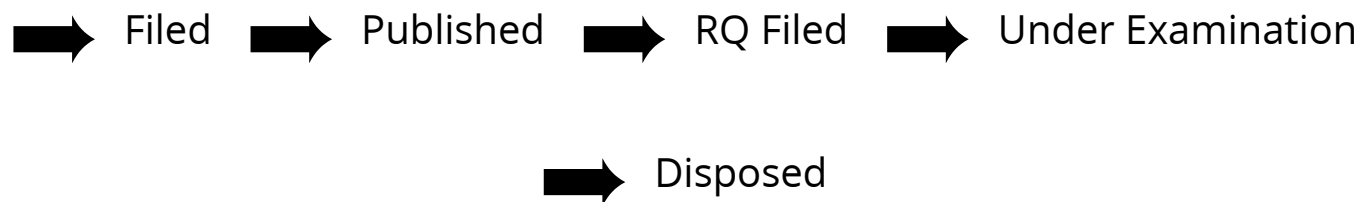


(<http://ipindia.nic.in/index.htm>)

Application Details	
APPLICATION NUMBER	202321025271
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	03/04/2023
APPLICANT NAME	1 . Dr. Rohit Pandey 2 . Dr S Suyambazhahan 3 . Dr. Shekaina Justin 4 . Dr. M.Seenivasan 5 . Kattupalli Sudhakar 6 . Dr. B. Varun Kumar 7 . N.Ahamed Hussain Asif 8 . R. Jegadeesh Kumar 9 . S.Sivarajan 10 . Purushottam Balaso Pawar
TITLE OF INVENTION	SOLAR POWERED CAMERA BASED KIT FOR LEAD IONS DETECTION IN WATER EMPLOYING H2S GAS
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	vaagaiip@gmail.com
ADDITIONAL-EMAIL (As Per Record)	vaagaiip@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	05/05/2023

## Application Status

APPLICATION STATUS

**Awaiting Request for Examination**[View Documents](#)

In case of any discrepancy in status, kindly contact [ipo-helpdesk@nic.in](mailto:ipo-helpdesk@nic.in)



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## CERTIFICATE OF PARTICIPATION

This is to Certify that

**A.. Rajalakshmi**

**Vel Tech Multi Tech Dr Rangarajan Dr Sakunthala Engineering college**

has participated in International Level Virtual Faculty Development Program on "**Research Advancements in Intelligent Computing Technologies**", organized by Department of Computer Science and Engineering from **19.12.2022 to 23.12.2022**.

**Mr.M.VENGATESHWARAN**  
**Dr.G.VIJAYA & Dr.V.K RESHMA**  
Coordinator

**Dr.K.SASI KALA RANI**  
HOD/CSE

**Dr.J.JANET**  
Principal



# International Seminar on Indian Mathematicians and their Contributions (ISIMC-2022)

to commemorate the 135<sup>th</sup> birth anniversary of legendary Indian Mathematician  
Srinivasa Ramanujan

Organized by

Department of Mathematics, School of Physical Sciences, Central University of Karnataka, Kalaburagi-585 367, India

## *Certificate of Participation*

This is to certify that Mr./Ms./Dr. A.KANNAN of Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College has participated in this seminar during 21-22, December 2022.

**Dr. Sreenivasulu Ballem**  
Convener

**Dr. Deepak Samuel**  
Dean, SPS, CUK



# SATHYABAMA

## INSTITUTE OF SCIENCE AND TECHNOLOGY

(Deemed to be University)



Accredited with "A" Grade by NAAC | Approved by AICTE



*School of Science and Humanities*

*Department of Mathematics*

*Certificate of Participation*

*This is to certify that A.KANNAN, Assistant professor , Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College has participated in One Week International Faculty Development Programme on "Innovative Mathematical Techniques in Research" conducted by the Department of Mathematics, Sathyabama Institute of Science and Technology , Chennai , from 1st to 6th August ,2022*

**Dr.E.Priyadarshini**  
**CO-CONVENOR**

**Dr.M.Vidhya**  
**CO-CONVENOR**

**Dr.S.Geethamalini**  
**CO-CONVENOR**

**Dr.G.Janani Jayalakshmi**  
**CO-CONVENOR**

**Dr. M. Nirmala**  
**CONVENOR**



International Research Institute of Multidisciplinary Engineering & Technology

# CERTIFICATE OF PRESENTATION

This certificate is presented to

**Ms. RAJALAKSHMI A**

“Assistant Professor, Department of **Information Technology**, **VEL TECH MULTI TECH DR.RANGARAJAN DR.SAKUNTHALA ENGINEERING COLLEGE (Autonomous)**, Tamil Nadu”

**The Virtual International Conference on Research in Science, Engineering and Technology -**

**ICRSET - 2023 Date: 14-May-2023**

Organized by

**International Research Institute of Multidisciplinary Engineering and Technology, Visakhapatnam**

**Paper Title:** ONLINE KNOWLEDGE TRANSFER FREELANCER PORTAL

**Authors:** JAYASREE B, HARI PRIYA J, MAHIMAVARSHNI S, SURYAKALA R, Ms. RAJALAKSHMI A

**Session Chair**

**Dr. S. Swarnalatha**

SVUCE

**keynote speaker**

**Dr. Abhay Bhatia**

Roorkee Institute of Technology

ISBN-13: 979-8-394-739-422

(Google Meet: [meet.google.com/kwt-qwgu-scn](https://meet.google.com/kwt-qwgu-scn))



# SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY

(AN AUTONOMOUS INSTITUTION)

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Accredited by NAAC with 'A' Grade & NBA, Kuniyamuthur, Coimbatore-641008



## CERTIFICATE OF PARTICIPATION

This is to Certify that

**A.VINOTHINI**

**Veltech Multitech Dr Rangarajan Dr Sakuntha Engineering  
College.**

has participated in International Level Virtual Faculty Development Program on  
**"Research Advancements in Intelligent Computing Technologies"**, organized by  
Department of Computer Science and Engineering from **19.12.2022 to 23.12.2022.**

**Mr.M.VENGATESHWARAN**  
**Dr.G.VIJAYA & Dr.V.K RESHMA**  
Coordinator

**Dr.K.SASI KALA RANI**  
HOD/CSE

**Dr.J.JANET**  
Principal



AICTE-EXAMINATION REFORMS WORKSHOP

## Certificate of Participation

*This is to certify that*

Prof./Dr./Mr./Mrs./Ms. **A.VINOTHINI**

*has participated in three days' Examination Reforms workshop in online mode  
conducted by AICTE*

**Col. B. Venkat**

Director

Faculty Development, AICTE





**SIDDARTHA INSTITUTE OF SCIENCE AND TECHNOLOGY**

**(AUTONOMOUS)**

**(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)**

**(Accredited by NBA for EEE, Mech., ECE & CSE and Accredited by NAAC with 'A' Grade)**

**Siddartha Nagar, Narayanavanam Road, Puttur-517583**

# Certificate of Participation

**A.VINOTHINI**

from Veltech Multitech Dr Rangarajan Dr Sakuntha Engineering College.  
has participated in the Five days Faculty Development Programme on "Recent Trends in Artificial Intelligence and Machine Learning" from 26/9/2022 to 30/09/2022 organised by Department of Computer Science and Engineering.

Dr M A Manivasagam  
Head of the Department

Dr M Janardhana Raju  
Principal



**PANDI C**

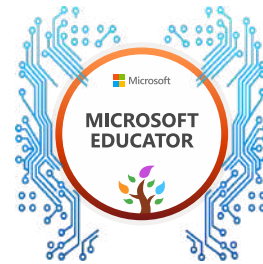
has successfully completed

**Microsoft Educator academy**

October 7, 2022 5 hr 28 min

A handwritten signature in black ink, reading "Satya N.".

Satya Narayana Nadella



**PANDI C**

has successfully completed

**Microsoft Educator academy**

October 7, 2022 5 hr 28 min

A handwritten signature in black ink, appearing to read "Satya N.".

Satya Narayana Nadella



**SIDDARTHA INSTITUTE OF SCIENCE AND TECHNOLOGY**

**(AUTONOMOUS)**

**(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)**

**(Accredited by NBA for EEE, Mech., ECE & CSE and Accredited by NAAC with 'A' Grade)**

**Siddartha Nagar, Narayanavanam Road, Puttur-517583**

# **Certificate of Participation**

**Murugesan M**

from Veltech Multitech Dr.Rangarajan Dr.Sakunthala Engineering College  
has participated in the Five days Faculty Development Programme on "Recent Trends in Artificial Intelligence and Machine Learning" from 26/9/2022 to 30/09/2022 organised by Department of Computer Science and Engineering.

Dr M A Manivasagam  
Head of the Department

Dr M Janardhana Raju  
Principal




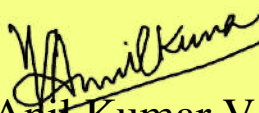
# Department of Mathematics

## University of Calicut, Kerala

### *CERTIFICATE*

This is to certify that **Kannan A** from **Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Tamil Nadu** has participated the Workshop on **“Introduction to Math Computing using SageMath”** held at **the Department of Mathematics, University of Calicut** during **08-24 December 2022** through online mode.

  
Dr. Prasad T.  
(Coordinator)

  
Prof. Anil Kumar V  
(HoD)



Please click [here](#) to verify this Certificate.

Registration ID:**SAGE 103**



**ICTACADEMY®**

# CERTIFICATE OF PARTICIPATION

C.No: 022-204536

Date: 18 Nov 2022

**DR.S.PALANI KUMAR**

**Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College**

has participated in 5 Day Faculty Development Program on

**Cloud Practitioner (AWS)**

conducted by ICT Academy on 14 Nov 2022 to 18 Nov 2022 at

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology



In association with



Hari Balachandran  
Chief Executive Officer, ICT Academy



Tamil Nadu  
Government



Tamil Nadu  
Skill Development  
Corporation



Naan  
Mudhalvan

Jointly with **Veranda** | **edureka!**

Certifies that

MURUGESAN.M

has participated in the

Big Data Analytics Faculty Training Program

26-10-2022

**Date**

**Vineet Chaturvedi**  
CEO, Edureka



**DEPARTMENT OF DATA SCIENCE AND BUSINESS SYSTEMS**  
**SCHOOL OF COMPUTING, COLLEGE OF ENGINEERING AND TECHNOLOGY**  
**SRM INSTITUTE OF SCIENCE AND TECHNOLOGY**  
**KATTANKULATHUR - 603 203**

# **INTERNATIONAL CONFERENCE ON RECENT TRENDS IN DATA SCIENCE AND ITS APPLICATIONS (ICRTDA 2023)**

## **Certificate of Presentation**

This is to certify that **Dr./Ms./Mr. C.Pandi** of  
**Veltech Multitech Dr.Rangarajan Dr.Sakunthala Engineering College** has  
 presented a paper titled **Free Energy Minimization Technique for  
 the Measurement of Secondary RNA Structure**

the *International Conference on Recent Trends in Data Science and its  
 Applications - (ICRTDA 2023)* Organised by **Department of Data  
 Science and Business Systems, SRM Institute of Science and  
 Technology, Kattankulathur, Tamil Nadu, India during 30 -  
 31 March 2023.**

**Convenor**  
**ICRTDA 2023**

**Dr. Lakshmi M**  
**Professor & Head**  
**Data Science and Business Systems**

**Dr. Revathi Venkataraman**  
**Professor & Chairperson**  
**School of Computing**







**PANIMALAR ENGINEERING COLLEGE**  
DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS  
**FIVE DAYS VIRTUAL FACULTY DEVELOPMENT PROGRAM**



**C E R T I F I C A T E**  
**O F P A R T I C I P A T I O N**

This is certify that

*S. Sri Mandhini Kowsalya*

has participated in Five Days Virtual Faculty Development Program on

**Cloud Computing and Big Data**

Organized by Department of Computer Science and Business Systems

from 9th Jan to 13th Jan 2023

*D. Anuradha*

**Dr.D.Anuradha**  
**HEAD OF DEPARTMENT - CSBS**



*F. Mani*

**Dr.K.Mani M.E, Ph.D**  
**PRINCIPAL**



## **E & ICT Academy, IIT Kanpur**

**(A Joint initiative of MeitY & IIT Kanpur)**

### **Certificate**

This is to certify that

Dr. / Mr. / Ms. **Muthuselvi S** of

Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Tamil Nadu  
has completed the **Faculty Development Program** on

**Machine Learning**

from 27-03-2023 to 02-04-2023



Date of Issue: 12-05-2023

Prof B. V. Phani

Prof Amey Karkare

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Chief Investigator E & ICT Academy, IIT Kanpur



# D.A.V. COLLEGE, ABOHAR

AFFILIATED TO PANJAB UNIVERSITY, CHANDIGARH

RE-ACCREDITED BY NAAC WITH 'A' GRADE

STAR COLLEGE SCHEME (AWARDED BY MINISTRY OF SCIENCE AND  
TECHNOLOGY, GOVT. OF INDIA)

## *Certificate of Participation*

This is to certify that **Dr.R.Kavitha**, Associate professor of **Vel Tech Multi Tech Dr Rangarajan Dr Sankunthala engineering college** has participated in the National Webinar on **“RESEARCH METHODOLOGY”** organized by **Research and Development Cell** on **14<sup>th</sup> MARCH 2023**.

**Dr. Kiran Grover**  
Convener

**Dr. Rajesh Kumar Mahajan**  
Principal

# PSN COLLEGE OF ENGINEERING AND TECHNOLOGY

Tirunelveli - 627 152, Tamilnadu

(An Autonomous Institution, Accredited by NAAC and Affiliated to Anna University)

IQM270-CE000028

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

Veltech Multitech Dr Rangarajan Dr Sakuntha Engineering College

has participated in the **Faculty Development Programme on “Cloud Computing”** organized by **Department of Computer Science and Engineering** from 18th July to 22nd July 2022 [5 days]. This was a virtual programme conducted through Zoom.



DR. M. VARGHEESE  
HOD/CSE



7/23/2022



DR. V. MANIKANDAN

# PSN COLLEGE OF ENGINEERING AND TECHNOLOGY

Tirunelveli - 627 152, Tamilnadu

(An Autonomous Institution, Accredited by NAAC and Affiliated to Anna University)

IQM270-CE000027

This is to certify that Dr. / Mr. / Ms. Ani Minisha R.

Vel tech multi tech engineering college avadi

has participated in the Faculty Development Programme on “**Cloud Computing**” organized by **Department of Computer Science and Engineering** from 18th July to 22nd July 2022 [5 days]. This was a virtual programme conducted through Zoom.



DR. M. VARGHEESE  
HOD/CSE



7/23/2022



DR. V. MANIKANDAN



# MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION) - NAAC Accredited "A+"

Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi  
NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH), MBA & MCA



## Department of Computer Science & Engineering

### Certificate of Participation



This is to certify that **ANNAPOORANI.P , EEE, Veltech multitech Dr rr Dr sr engg college** has participated in One Week Online National Level Faculty Development Programme on "**Recent Tools & Technologies for Data Science and Artificial Intelligence**" held from 19.09.2022 to 26.09.2022 organized by Department of Computer Science & Engineering, Madanapalle Institute of Technology & Science, Madanapalle, Andhra Pradesh.

(Dr. D. Jagadeesan)

Convener

Professor of CSE &  
IIC Co-ordinator

(Dr. R. Kalpana)

Professor & Head  
Department of CSE

(Dr. C. Yuvaraj)

Principal

Certificate No.: AJX85Y-CE000231



# HINDUSTHAN COLLEGE OF ARTS & SCIENCE

Autonomous Institution – Affiliated to Bharathiar University

Approved by AICTE and Government of Tamilnadu

Accredited by NAAC with 'A++' Grade

Hindusthan Gardens, Avinashi Road, Coimbatore-641 028.

✉ [licas@hindusthan.net](mailto:licas@hindusthan.net) 🌐 [www.licas.ac.in](http://www.licas.ac.in) ☎ +91-422-4440555



## Department of Mathematics, Data Science and Analytics

### CERTIFICATE OF PARTICIPATION

This is to certify that

*Dr. T. Vivekanandan,*

Vel tech multi tech Dr.Rangarajen Dr.Sagunthala Engineering College

has participated in the International Symposium on Industrial Mathematics, “Applications of Mathematics in Real World and Artificial Neural Networks” organized by Department of Mathematics, Data Science and Analytics Hindusthan College of Arts & Science, Coimbatore on 11.03.2023.

**Dr. S. Anuradha**  
Professor and Head  
Convenor

**Dr. A. Ponnusamy**  
Principal  
Chair Person



MEASI  
Institute of  
Information  
Technology

## CERTIFICATE OF PARTICIPATION

This is to certify that **Dr/Mr/Ms Kavitha.t, Assistant Professor of Veltech Multitech Dr.rangarajandr.sakunthala engineering college** has participated in the 5-Day Online International FDP on **"Current Trends in Information Technology"** conducted by **MEASI Institute of Information Technology** from 26.09.2022 to

30.09

A handwritten signature in black ink, appearing to read 'Usha M'.

**Dr. Usha M**  
**HOD**

A handwritten signature in blue ink, appearing to read 'Revatthy'.

**Dr. Revatthy Krishnamurthy**  
**Director**