



# M.A.M. SCHOOL OF ENGINEERING

(Accredited by NAAC)

Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai  
Siruganur, Trichy-621105

## **List of Faculty provided with financial support to attend conferences/workshop**

### **Academic Year 2020-2021**

S.No	Name of the Faculty	Department	Name of conference/ workshop attended for which financial support provided	Amount
1	Dr.D.Deepak	AERO	"Design, Manufacturing and Automation (NCDMA-2021)"	Rs.250/-
2	S.Dinesh Babu	AERO	"Design, Manufacturing and Automation (NCDMA-2021)"	Rs.250/-
3	K.Sathish kumar	CSE	Virtual International Conference on artificial intelligence for IOT and sustainable Electrical Networks (ICAIISEN'21)	Rs.250/-
4	P.Sivamalar	CSE	Virtual International Conference on artificial intelligence for IOT and sustainable Electrical Networks (ICAIISEN'21)	Rs.250/-
5	P.Sivamalar, S.Murugavalli	CSE	Virtual International Conference on artificial intelligence for IOT and sustainable Electrical Networks (ICAIISEN'21)	Rs.250/-
6	P.Kavitha	ECE	International Conference on Contemporary approach on Revolutionary techniques in Science and Engineering	Rs.250/-
7	P.Kavitha	ECE	3rd International Conference on Innovations in Electrical, Information and	Rs.250/-

			Communication Engineering	
8	K.Karthikeyan	ECE	International Conference on Contemporary approach on Revolutionary techniques in Science and Engineering	Rs.250/-
9	N.Abdur Rahman	ECE	International Conference on Contemporary approach on Revolutionary techniques in Science and Engineering	Rs.250/-
10	G.Purushothaman	EEE	Cutting-Edge Research in Electrical Engineering CEREE in association with SRM TRPEC IEEE Student Chapter	Rs.250/-
11	A. Senthamarai Kannan	EEE	Cutting-Edge Research in Electrical Engineering CEREE in association with SRM TRPEC IEEE Student Chapter	Rs.250/-
12	A. Senthamarai Kannan	EEE	Cutting-Edge Research in Electrical Engineering CEREE in association with SRM TRPEC IEEE Student Chapter	Rs.250/-
13	M. Isamil Gani	EEE	Cutting-Edge Research in Electrical Engineering CEREE in association with SRM TRPEC IEEE Student Chapter	Rs.250/-
14	Dr.M.Sangeetha	EEE	Cutting-Edge Research in Electrical Engineering CEREE in association with SRM TRPEC IEEE Student Chapter	Rs.250/-
15	Dr.M.Sangeetha	EEE	Cutting-Edge Research in Electrical Engineering CEREE in association with SRM TRPEC IEEE Student Chapter	Rs.250/-

16	K. Chandrasekaran	Aero	IOP Conference Series: Materials Science and Engineering	Rs.3000/-
17	K. Chandrasekaran	Aero	Materials Today: Proceedings	Rs.2500/-
18	K. Chandrasekaran	Aero	Virtual National Conference on “Design, Manufacturing and Automation (NCDMA-2021)”	Rs.250/-
19	K. Chandrasekaran	Aero	Virtual National Conference on “Design, Manufacturing and Automation (NCDMA-2021)”	Rs.250/-
20	K. Chandrasekaran	Aero	International Conference on Technological Advancements in Mechanical Engineering (ICTAME 2021)	Rs.250/-
21	Dr. S. Berbeth Mary	S&H	International Virtual Conference on Advanced Materials for Emerging Technologies (ICAMET-21)”	Rs.500/-
22	Dr. S. Berbeth Mary	S&H	International Conference on modern Functional Materials (ICMFM-21)	Rs.500/-
23	Dr. S. Berbeth Mary	S&H	6th International Conference on Nano-science and Nanotechnology (ICONN-2021)	Rs.500/-
24	Dr.A.Punitha	MCT	National Conference on fascinating advancement in mechanical Engineering	Rs.300/-
25	Chandrasekar M	MCT	National Conference on Recent Advances in Communicative Electronics	Rs.300/-
26	Chandrasekar M	MCT	Emerging Trends in Engineering and Technology	Rs.300/-

27	Saravanan S	MCT	National Conference on fascinating advancement in mechanical Engineering	Rs.300/-
28	Saravanan S	MCT	Innovations in Electrical Power and Green Engines	Rs.300/-
29	Subapradha M	MCT	National Conference on Recent Advances in Communicative Electronics	Rs.300/-
30	Subapradha M	MCT	National Conference on fascinating advancement in mechanical Engineering	Rs.300/-
31	S. Murugavalli	CSE	International Conference on Artificial Intelligence for IOT and sustainable Electrical Networks	Rs.250/-
32	P.Sivamalar	CSE	Workshop on Image processing using MAT LAB	Rs.300/-
33	P.Sivamalar	CSE	Workshop on Data science using R	Rs.300/-
34	P.Sivamalar	CSE	Workshop on Arudino	Rs.300/-
35	C.Meena	S&H	Workshop on Mathematical Analysis	Rs.200/-



# Certificates



Virtual National Conference on

“DESIGN, MANUFACTURING AND AUTOMATION (NCDMA-2021)”

## *Certificate*

This is to certify that the following paper has been presented in the “Virtual National Conference on Design, Manufacturing and Automation” (NCDMA-2021) held on 15<sup>th</sup> April 2021

Title of the Paper : AERODYNAMIC DESIGN OF MISSILE AT HIGH MACH NUMBER FLOW USING CFD

Author : DEEPAK D, MAM SCHOOL OF ENGINEERING

Dr. V.  
Lakshmanan  
Coordinator  
AP/Mech

Dr. G.  
Paulraj  
Convener  
HoD/Mech

Dr. B. Ganesh Babu  
Principal



Virtual National Conference on

“DESIGN, MANUFACTURING AND AUTOMATION (NCDMA-2021)”

## *Certificate*

This is to certify that the following paper has been presented in the “Virtual National Conference on Design, Manufacturing and Automation” (NCDMA-2021) held on 15<sup>th</sup> April 2021

Title of the Paper : COMPUTATIONAL INVESTIGATION OF DRAG AND LIFT FORCES ACTING ON AIRCRAFT VEHICLE

Author : DINESH BABU S, MAM SCHOOL OF ENGINEERING

Dr. V.  
Lakshmanan  
Coordinator  
AP/Mech

Dr. G.  
Paulraj  
Convener  
HoD/Mech

Dr. B. Ganesh Babu  
Principal













# Indra Ganesan

## COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirapalli - 620 012.  
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai  
Accredited by NAAC with B+ Grade

ICCSE21-038

International Conference on  
Contemporary approach on revolutionary techniques in Science and Engineering

**ICCSE'21**

April 9<sup>th</sup> & 10<sup>th</sup> 2021

### Certificate

This is to certify that **N.Abdur Rahman M.A.M. School of Engineering**

has presented the research article entitled **IOT Based Smart Remainder Medicine Pill box**

in the International Conference on Contemporary approach on revolutionary techniques in Science and Engineering

  
**Dr. N. Vijayanthi**  
Convener

  
**Dr. S. Bharathi Raja**  
Principal



## SRM TRP

ENGINEERING COLLEGE



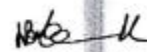
### Certificate of Presentation



CERTIFICATE ID: CEREE 075-1

This is to certify that **Mr.G.PURUSHOTHAMAN** of **M.A.M. School of Engineering** has Presented a paper titled **"Single Phase Universal Input PFC Converter Operating at HF with Low Output Voltage"** in the National Level Web Conference on Cutting-Edge Research in Electrical Engineering **CEREE** conducted by Department of Electrical and Electronics Engineering in association with **SRM TRPEC IEEE STUDENT BRANCH** on **31.03.2021**.

  
**Convener**

  
**Principal**



**SRM TRP**  
ENGINEERING COLLEGE



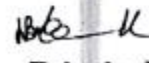
## Certificate of Presentation



CERTIFICATE ID: CEREE 077-1

This is to certify that **Mr.A.SENTHAMARAI KANNAN** of **M.A.M. School of Engineering** has Presented a paper titled **"A dual-transformer DC-DC with Variable frequency modulation Technique"** in the National Level Web Conference on Cutting-Edge Research in Electrical Engineering CEREE conducted by Department of Electrical and Electronics Engineering in association with **SRM TRPEC IEEE STUDENT BRANCH** on **31.03.2021**.

  
Convener

  
Principal

Scanned with CamScanner



**SRM TRP**  
ENGINEERING COLLEGE



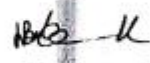
## Certificate of Presentation



CERTIFICATE ID: CEREE 076-1

This is to certify that **Mr.A.SENTHAMARAI KANNAN** of **M.A.M. School of Engineering** has Presented a paper titled **"Switching Sequence Control 31-Level Asymmetric Cascaded of Reduced Switch Count Multilevel Inverter with Multi Carrier Pulse Width Modulation"** in the National Level Web Conference on Cutting-Edge Research in Electrical Engineering CEREE conducted by Department of Electrical and Electronics Engineering in association with **SRM TRPEC IEEE STUDENT BRANCH** on **31.03.2021**.

  
Convener

  
Principal

Scanned with CamScanner





**SRM TRP**  
ENGINEERING COLLEGE



## Certificate of Presentation



CERTIFICATE ID: CEREE 078-1

This is to certify that **Mr.MISMAL GANI** of **M.A.M. School of Engineering** has Presented a paper titled **"Nine Switch Converter (NSC) based VSC-HVDC System"** in the National Level Web Conference on Cutting-Edge Research in Electrical Engineering CEREE conducted by Department of Electrical and Electronics Engineering in association with **SRM TRPEC IEEE STUDENT BRANCH** on 31.03.2021.

  
Convener

  
Principal

Scanned with CamScanner



**SRM TRP**  
ENGINEERING COLLEGE



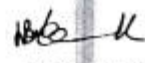
## Certificate of Presentation



CERTIFICATE ID: CEREE 104-1

This is to certify that **Dr.M.Sangeetha** of **M.A.M School of Engineering** has Presented a paper titled **"A 13 LEVELS MODULE (K-TYPE) WITH TWO DC SOURCES FOR MULTICEL INVERTERS"** in the National Level Web Conference on Cutting-Edge Research in Electrical Engineering CEREE conducted by Department of Electrical and Electronics Engineering in association with **SRM TRPEC IEEE STUDENT BRANCH** on 31.03.2021.

  
Convener

  
Principal

Scanned with CamScanner



**SRM TRP**  
ENGINEERING COLLEGE



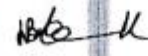
## Certificate of Presentation



CERTIFICATE ID: CEREE 106-1

This is to certify that Dr.M.Sangeetha of M.A.M School of Engineering has Presented a paper titled "Mitigation of Resonance Propagation in Grid-connected and Islanding Micro Grid by using Nine Switch Converter (NSC) " in the National Level Web Conference on Cutting-Edge Research in Electrical Engineering CEREE conducted by Department of Electrical and Electronics Engineering in association with SRM TRPEC IEEE STUDENT BRANCH on 31.03.2021.

  
Convener

  
Principal



## Optimization of Parameters for Nitronic-60 on Wire-Cut Electrical Discharge Machining using Zinc-Coated Wire

V. Srinivas Reddy<sup>1\*</sup>, V. Gopinath<sup>1\*</sup>, M. Haritha<sup>1\*</sup>, P. Marimuthu<sup>12\*</sup>,  
K. Chandrasekaran<sup>3</sup> and N. S. Kalyan Chakravarthy<sup>4\*</sup>

<sup>1</sup>Department of Mechanical Engineering,

<sup>2</sup>Department of Mechanical Engineering, MAM School of Engineering,  
Tiruchirappalli, India

<sup>3</sup>Department of Data Science and Business Systems

<sup>4</sup>QIS College of Engineering and Technology, Vengal Rao Nagar, Ongole,  
Prakasam

District, Andhra Pradesh-523 272, India

\*Email: punarimaths69@gmail.com (Corresponding author)

**Abstract.** The objectives of this work are to research the effective parameters of pulse ON time; pulse OFF time; voltage & wire feed whereas machined on Nitronic-60 exploitation wire-cut discharge machining exploitation zinc-coated wire. During this work, metal removal rate, surface roughness, and kerfwidth are taken as output parameters. The experimental results planned an optimum combination of parameters that provide the utmost material removal rate, minimum surface roughness, and kerf dimension. Finally, confirmation experiments were disbursed to spot the effectiveness of the planned technique. Multivariate analysis and ANOVA are performed exploitation Response Surface Linear Model.

### 1. Introduction

Machining eliminates certain components of work piece items to alter them to finished components. Machining are classified into ancient machining and Non-traditional machining. Ancient Machining, conjointly referred to as typical machining needs the tougher tool than the work piece. This tool ought to be pierced within the workpiece to a definite depth. Besides, a motion between tool and workpiece is to blame for creating or producing the desired form. The nonappearance of any of those parts in machining method like the absence of tool and workpiece contact or relative motion makes the method a non-traditional one.



Content from this work may be used under the terms of the [Creative Commons Attribution 3.0 license](https://creativecommons.org/licenses/by/3.0/). Any further distribution of this work must maintain attribution to the author(s) and the title of the work, journal citation and DOI.

Published under license by IOP Publishing Ltd



Contents lists available at ScienceDirect

Materials Today: Proceedings

journal homepage: [www.elsevier.com/locate/matpr](http://www.elsevier.com/locate/matpr)

## Characteristic analysis of dissimilar metal weld for AISI304 with SA213T22 in super heater coils

K. Chandrasekaran<sup>a,\*</sup>, P. Ranjith Kumar<sup>a</sup>, R. Ramanathan<sup>a</sup>, J. Chandradass<sup>b</sup>, T.T.M. Kannan<sup>c</sup>,  
A. John Rajan<sup>d</sup>

<sup>a</sup> Department of Mechanical Engineering, MAM School of Engineering, Trichy 621105, India

<sup>b</sup> Centre for Automotive Materials, Department of Automobile Engineering, SRM Institute of Science and Technology, Kattankulathur, Chennai 603203, India

<sup>c</sup> Department of Mechanical Engineering, PRIST Deemed University, Thanjavur 613403, India

<sup>d</sup> Department of Manufacturing Engineering, School of Mechanical Engineering, Vellore Institute of Technology, Vellore 632 014, India

### ARTICLE INFO

#### Article history:

Received 11 November 2020

Accepted 14 December 2020

Available online xxx

#### Keywords:

AISI304

SA213T22

TIG Welding

Taguchi method

Grey Analysis

### ABSTRACT

Super heater is an inevitable component of any boiler system and failure of super heater leads to breakdown of whole plant. The integration of efficient quality welding technologies for dissimilar metals will be a key component in the successful weld quality for power plant components. In this investigation, an attempt has been made to study the dissimilar material AISI304 and SA213T22 tungsten inert gas welding is performed under different welding conditions current (100, 115, 130 Amps), gas flow rate (6, 8, 10 ltr/min), speed (2, 2.5, 3 mm/sec) and micro structure analysis performed to find influence of fusion heat. The Taguchi analysis is implemented to obtain single response optimization and grey relational analysis used to attain multi response for best yield strength, the ultimate strength, Vickers hardness and the elongation of the metals.

© 2021 Elsevier Ltd. All rights reserved.

Selection and peer-review under responsibility of the scientific committee of the International Conference on Mechanical, Electronics and Computer Engineering 2020: Materials Science. This is an open access article under the CC BY-NC-ND license (<http://creativecommons.org/licenses/by-nc-nd/4.0/>).



**SRM TRP**  
ENGINEERING COLLEGE

### Virtual National Conference on

### “DESIGN, MANUFACTURING AND AUTOMATION (NCDMA-2021)”

## Certificate

This is to certify that the following paper has been presented in the “Virtual National Conference on Design, Manufacturing and Automation” (NCDMA-2021) held on 15<sup>th</sup> April 2021

Title of the Paper : OPTIMIZATION OF PARAMETERS FOR NITRONIC-60 ON WIRE CUT ELECTRICAL DISCHARGE MACHINING USING ZINC COATED WIRE

Author : K CHANDRASEKARAN, MAM SCHOOL OF ENGINEERING

**Dr. V. Lakshmanan**  
Coordinator  
AP/Mech

**Dr. G. Paulraj**  
Convener  
HoD/Mech

**Dr. B. Ganesh Babu**  
Principal



**SRM TRP**  
ENGINEERING COLLEGE

**Virtual National Conference on**

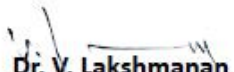
**“DESIGN, MANUFACTURING AND AUTOMATION (NCDMA-2021)”**

## *Certificate*


This is to certify that the following paper has been presented in the “Virtual National Conference on Design, Manufacturing and Automation” (NCDMA-2021) held on 15<sup>th</sup> April 2021

Title of the Paper : EFFECT OF POLYESTER RESIN WITH BANANA AND PINEAPPLE TREATED COMPOSITE MATERIAL ANALYSIS

Author : CHANDRASEKARAN K, MAM SCHOOL OF ENGINEERING

  
**Dr. V. Lakshmanan**  
Coordinator  
AP/Mech

  
**Dr. G. Paulraj**  
Convener  
HoD/Mech

  
**Dr. B. Ganesh Babu**  
Principal




**AMET**  
ACADEMY OF MARITIME EDUCATION AND TRAINING  
(Deemed to be University Under Section 3 of UGC Act 1956)



**Department of Mechanical Engineering**

### **CERTIFICATE OF PRESENTATION**

This is to certify that **Dr. K.CHANDRASEKARAN** of **MAM School of Engineering** has presented a paper entitled **“Performance evaluation of Al/Silicate/Flyash hybrid composite”** in the Virtual **“International Conference on Technological Advancements in Mechanical Engineering (ICTAME 2021)”** held on **15<sup>th</sup> & 16<sup>th</sup> June 2021** organized by Department of Mechanical Engineering, Academy of Maritime Education and Training (AMET), Deemed to be University, Chennai.

  
**Dr.D.Madhesh**  
Convener

  
**Dr.R.Karthikeyan**  
HoD/Mech

  
**Dr.M.Jayaprakashvel**  
Registrar i/c





Sri Ramakrishna Mission Vidyalaya  
College of Arts and Science, Coimbatore - 641 020  
(Autonomous), Reaccredited by NAAC with 'A' grade)



## CERTIFICATE

This is to Certify that

**Dr. S.Berbeth Mary,**

from **MAM School of Engineering, Trichy** has presented a oral presentation entitled **Thermoelectric properties of Calcium Cobalt Oxide nanoparticles** in "**A Two day International Virtual Conference on Advanced Materials for Emerging Technologies (ICAMET-21)**" organized by Research Faculty Enrichment Council (RFEC), Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore -641 020 on 26/04/2021 and 27/04/2021.

  
Dr. A. MUTHUSAMY  
Convener

  
Dr. R. THANGAVEL  
Principal

Made for free with Certify'em





## 6<sup>th</sup> International Conference on Nanoscience and Nanotechnology (Virtual Conference)



SRM Institute of Science and Technology  
Kattankulathur - 603203

### Certificate

This is to certify that Mr. / Ms. / Dr. Berbeth Mary S has participated  
and presented a paper entitled Electrical and thermoelectric properties of surfactant assisted calcium cobalt oxide nanoparticles

in the  
**International Conference on Nanoscience and Nanotechnology (ICONN 2021)** organized by Department of Physics and Nanotechnology, SRM IST, India  
during February 01 - 03, 2021, in association with Shizuoka University, Japan; National Chiao Tung University, Taiwan; GNS, New Zealand; University of Rome  
Tor Vergata, Italy; RMIT University, Australia; Tata Institute of Fundamental Research, India; The Asian Consortium on Computational Materials Science (ACCMS);  
Indian Physics Association (IPA); Material Research Society of India (MRSI), Indian Carbon Society, Council of Scientific & Industrial Research (CSIR), Indian  
Science Congress Association (ISCA), Department of Science & Technology (DST) and Springer Nature.

## ICONN-2021

Head  
Department of Physics and Nanotechnology  
SRM IST

Chairperson  
School of Applied Sciences  
SRM IST



842



## R.M.K. COLLEGE OF ENGINEERING AND TECHNOLOGY

RSM NAGAR PUDUVOLAI, GUMMIDIPONDY, TAMILNADU - 601206  
Accredited by NBA / NAAC "A" Grade / ISO 9001:2015 Certified



### NATIONAL CONFERENCE ON FASCINATING ADVANCEMENTS IN MECHANICAL ENGINEERING

## FAME 2021

#### CERTIFICATE OF PARTICIPATION

This is to certify that

**Ms. PUNITHA. A**

**MAM SCHOOL OF ENGINEERING** has presented a paper titled

**AUTOMATIC GARMENTS FOLDING MACHINE**

in the Tenth National Conference on "Fascinating Advancements in Mechanical Engineering" organised by the Department of Mechanical Engineering & Mechanical Engineering Association, R.M.K College of Engineering and Technology held on 05th April 2021.

COORDINATOR  
Dr.C.Bibin

CONVENER  
Dr.M.Balasubramanian

PRINCIPAL  
Dr.T.Rengaraja





SRM TRP  
ENGINEERING COLLEGE



### CERTIFICATE OF APPRECIATION

This is to certify that  
Dr/Mr/Ms. CHANDRASEKHAR.M

of  
M.A.M.SCHOOL OF ENGINEERING

has presented a paper titled

SMART SPEED BREAKING SYSTEM FOR EMERGENCY VEHICLES BY USING RFID

in the Virtual National Conference on "Recent Advances in Communicative Electronics (NCRACE 2021)" conducted by the Department of Electronics and Communication Engineering, SRM TRP Engineering College, Tiruchirappalli on 25.03.2021.

*S. Ramasubramanian*  
Dr.B.Ramasubramanian  
HOD/ECE  
SRM TRP Engineering College



*Dr.B.Ganesh Babu*  
Dr.B.Ganesh Babu  
PRINCIPAL  
SRM TRP Engineering College

## PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE



(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)  
(An ISO 9001: 2008 Certified Institution)  
Arasanoor, Thirumansolai Po., Sivagangal Dist. Tamilnadu - 630501, India



CERTIFICATE

ICETET'21

12<sup>th</sup> & 13<sup>th</sup> March, 2021



This is to certify that Dr/Mr/Ms M. CHANDRASEKAR  
of M.A.M. SCHOOL OF ENGINEERING, THIRUCHIRAPPALLI  
has participated & presented a paper entitled INCIDENCE OF FATAL  
PEDESTRIAN COLLISIONS AND VEHICLE SPEED CONTROL  
in 8<sup>th</sup> International Conference on Emerging Trends in Engineering and  
Technology (ICETET'21) held on 12<sup>th</sup> & 13<sup>th</sup> March, 2021.

*Dr.G. Baskar*  
Convener  
Dr.G. Baskar

*Dr.R. Raja*  
Principal  
Dr.R. Raja

*Er.S.P. Varadharajan*  
Managing Director  
Er.S.P. Varadharajan

**R.M.K****COLLEGE OF ENGINEERING AND TECHNOLOGY**

RSM NAGAR PUDUVOL, GUMMIDIPPOONDI TK, TAMILNADU - 601206

Accredited by NBA / NAAC "A" Grade / ISO 9001:2015 Certified

**NATIONAL CONFERENCE ON  
FASCINATING ADVANCEMENTS IN MECHANICAL ENGINEERING****FAAME 2021****CERTIFICATE OF PARTICIPATION**

This is to certify that

**Mr. S. SARAVANAN****MAM SCHOOL OF ENGINEERING** has presented a paper titled**GENERATION OF HIGH VOLTAGE WITH VOLTAGE MULTIPLIER**

in the Tenth National Conference on "Fascinating Advancements in Mechanical Engineering" organised by the Department of Mechanical Engineering &amp; Mechanical Engineering Association, R.M.K College of Engineering and Technology held on 05th April 2021.

COORDINATOR  
Dr.C.BibinCONVENER  
Dr.M.BalasubramanianPRINCIPAL  
Dr.T.Rengaraja**M.KUMARASAMY  
COLLEGE OF ENGINEERING**NAAC Accredited Autonomous Institution  
Approved by AICTE & Affiliated to Anna University  
ISO 9001:2015 & ISO 14001:2015 Certified Institution

Thalavapalayam, Karur - 619 113.

**Department of Electrical and Electronics Engineering****Virtual National Conference on Innovations in Electrical Power and Green Energies  
(NCIEPGES'21)****CERTIFICATE OF PARTICIPATION**

This is to certify that Prof./Dr./Mr./Ms./Mrs. Mr. S.Saravanan, Assistant Professor, Department of Mechatronics of M.A.M. School of Engineering has participated and presented his/her Paper titled GENERATION OF HIGH VOLTAGE WITH VOLTAGE MULTIPLIER in the Virtual National on Innovations in Electrical Power and Green Energies (NCIEPGES'21) held on 24<sup>th</sup> March 2021 in Virtual mode organized by M. Kumarasamy College of Engineering, Karur, Tamil Nadu - India.

Organizing Secretary  
Dr. J. UmaHoD/EEE  
Dr. C. KumarPrincipal  
Dr. N. Ramesh Babu





**SRM TRP**  
ENGINEERING COLLEGE



## CERTIFICATE OF APPRECIATION

This is to certify that  
**Dr./Mr./Ms. M.SUBA PRADHA**  
of  
**M.A.M SCHOOL OF ENGINEERING**  
has presented a paper titled

**SMART SEWAGE MANAGEMENT SYSTEM**

in the Virtual National Conference on "Recent Advances in Communicative Electronics (NCRACE 2021)" conducted by the Department of Electronics and Communication Engineering, SRM TRP Engineering College, Tiruchirappalli on 25.03.2021.

*B. Ramasubramanian*  
**Dr.B.Ramasubramanian**  
HOD/ECE  
SRM TRP Engineering College



*Dr.B. Ganesh Babu*  
**Dr.B.Ganesh Babu**  
PRINCIPAL  
SRM TRP Engineering College



**R.M.K**  
**COLLEGE OF ENGINEERING AND TECHNOLOGY**  
RSM NAGAR PUDUVOYAL, GUMMIDIPOONDI TK, TAMILNADU - 601206  
Accredited by NBA / NAAC "A" Grade / ISO 9001:2015 Certified



**NATIONAL CONFERENCE ON  
FASCINATING ADVANCEMENTS IN MECHANICAL ENGINEERING**

**FAME 2021**

### CERTIFICATE OF PARTICIPATION

This is to certify that  
**Ms. M.SUBA PRADHA**  
**M.A.M SCHOOL OF ENGINEERING** has presented a paper titled  
**SMART SEWAGE MANAGEMENT SYSTEM**

in the Tenth National Conference on "Fascinating Advancements in Mechanical Engineering" organised by the Department of Mechanical Engineering & Mechanical Engineering Association, R.M.K College of Engineering and Technology held on 05th April 2021.

*Dr.C. Bibin*  
**COORDINATOR**  
Dr.C.Bibin

*Dr.M. Balasubramanian*  
**CONVENER**  
Dr.M.Balasubramanian

*Dr.T. Rengaraja*  
**PRINCIPAL**  
Dr.T.Rengaraja



## CERTIFICATE OF PARTICIPATION

This is to certify that Ms.S.Muruka Valliof M.A.M School of Engineering has presented a Paper titled Scalable and Secure Big Data IoT System Based on Multifactor Authentication and Lightweight Cryptography in the International Conference on Artificial Intelligence for IoT and Sustainable Electrical Networks (ICAIISEN'21) conducted by the SRM TRP Engineering College in association with IEEE SB, IIC, IETE and CSI on 29.04.2021.

*B. Ramasubramanian*  
Dr.B.RAMASUBRAMANIAN

*P. Sudhakaran*  
Dr.P.SUDHAKARAN

*P. Elango*  
Dr.P.ELANGOVAN

*B. Ganesh Babu*  
Dr.B.GANESH BABU



**St. Xavier's**  
Catholic College of Engineering  
Churikkal, Nagercoil, Kanyakumari District

Accredited with 'A' Grade by NAAC  
 ISO 9001:2015, ISO 14001:2015, ISO 45001:2018  
 Recognized under section 3(1) & (3)(b) of AICTE Act, 1987  
 Affiliated to Anna University, Chennai  
 All UG, MBA & MCA Programs Participantly Affiliated

Certificate ID  
**2020-WS-IPM1100**

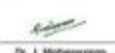


Certificate issued on  
16<sup>th</sup> July, 2020

**Certificate of Participation**  
  
 This is to certify that  
**Sivamalar. P**  
 has participated in a  
 One Week Online Workshop on  
**Image Processing Using MATLAB**  
 organized by  
 Department of Computer Science and Engineering  
 and Department of Information Technology of  
 St. Xavier's Catholic College of Engineering, Nagercoil  
 from 06<sup>th</sup> to 11<sup>th</sup> July, 2020.

  
Dr. R.P. Anila Kumar,  
Head, Department of CSE,  
SXCCE

  
Dr. J. Animesh,  
Head, Department of IT,  
SXCCE

  
Dr. J. Maheswaran,  
Principal, SXCCE





**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI-34**

**PG & RESEARCH DEPARTMENT OF MATHEMATICS**




## *Certificate*

This is to certify that ..... **MEENA C** .....  
of..... **MAM SCHOOL OF ENGINEERING, TRICHY** .....  
actively participated in the Online **Workshop on Mathematical Analysis (MATANA 2020)**  
organized by PG & Research Department of Mathematics, Loyola College (Autonomous),  
Chennai from 8 to 13 June 2020.

Reg. No. : **MATANA-T-1513**

  
**Dr. S. Iruthaya Raj**  
Convener

  
**Dr. J. Geno Kadwin**  
Convener


  
**Dr. S. Athisayanathan**  
Co-ordinator

  
**Dr. M. A. Basker**  
Head of the Department

  
**Rev. Dr. A. Thomas S.J**  
Principal



# Vouchers

 **M.A.M SCHOOL OF ENGINEERING**  
Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.  
**VOUCHER** Date : 13-04-2021


Name : D. Deepak

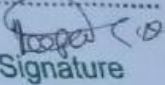
Received Rupees : Two hundred fifty only

Bill Ref : .....


Towards : National Conference

A/c Head : .....

 250

Approved  Signature

OS ~~Principal~~ Correspondent

 **M.A.M SCHOOL OF ENGINEERING**  
Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.  
**VOUCHER** Date : 13-04-2021


Name : S. Dinesh Babu


Received Rupees : Two hundred fifty only

Bill Ref : .....

Towards : National Conference

A/c Head : .....

 250

Approved  Signature

OS ~~Principal~~ Correspondent



# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 19/08/2021

Name : P. Sivamalar AP/CSE

Received Rupees : Rs 300/-

Bill Ref :

Towards : Workshop on Data Science

A/c Head :



Rs 300/-

Approved

Signature

OS

Principal

Correspondent



# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 19/8/2021

Name : P. Sivamalar AP/CSE

Received Rupees : Rs 300/-

Bill Ref :

Towards : Workshop on Arduino

A/c Head :



Rs. 300/-

Approved

Signature

OS

Principal

Correspondent





# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 19/8/2021

Name : P. Sivamalar & S. Murugavalli - CSE

Received Rupees : Rs. 250/-

Bill Ref :

Towards : Conference on AI for IoT @ SRM TRP

A/c Head :

₹ Rs. 250/-

Approved

Signature

OS

Principal

Correspondent



# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 19/8/2021

Name : S. Murugavalli - Asso. Prof. / CSE

Received Rupees : Rs. 250

Bill Ref :

Towards : Conference on AI for IoT @ SRM TRP

A/c Head :

₹ Rs. 250

Approved

Signature

OS

Principal

Correspondent



# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 19/8/2021

Name : K. Sathish Kumar AP/CSE

Received Rupees : Rs. 250/-

Bill Ref :

Towards : Conference on AI for IoT @ SRM TRP

A/c Head :

₹ Rs. 250/-

Approved

K. Sathish Kumar  
Signature

OS

Principal

Correspondent



# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 19/8/2021

Name : P. Sivamalar AP/CSE

Received Rupees : Rs. 250/-

Bill Ref :

Towards : Conference on AI for IoT @ SRM TRP

A/c Head :

₹ Rs. 250/-

Approved

P. Sivamalar  
Signature

OS

Principal

Correspondent





# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 19/8/21

Name : P. Sivamalar AP/CSE

Received Rupees : Rs 300/-

Bill Ref :

Towards : Workshop on Image Processing using MATLAB

A/c Head :

₹ Rs 300/-

Approved

Signature P. Sivamalar 19/8/21

OS

Principal

Correspondent



# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 19/8/21

Name : P. Kavitha

Received Rupees : Two Hundred & Fifty only

Bill Ref :

Towards : To attend conference

A/c Head :

₹ 250/-

Approved P. Kavitha

Signature

OS

Principal

Correspondent





# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

Date : 19/3/21

A-No.

Name : Mr. Karthikeyan

Received Rupees : Two Hundred & fifty only

Bill Ref :

Towards : To attend conference

A/c Head :

₹ 250/-

Approved

Signature

OS

Principal

Correspondent



# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 19/3/21

Name : Dr. N. Abdur Rahman

Received Rupees : Two Hundred & fifty only

Bill Ref :

Towards : To attend conference

A/c Head :

₹ 250/-

Approved

Signature

OS

Principal

Correspondent





# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 25/3/21

Name : P. Kavi tha

Received Rupees : Three Hundred & fifty only

Bill Ref :

Towards : Attending conference in Kongunadu College of Engg & Tech

A/c Head :

₹ 350/-

Approved

Signature

OS

Principal

Correspondent



# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 4.4.2019

Name : Senthamaikannan A. Panithkumar M

Received Rupees : 500 five Hundred only

Bill Ref :

Towards : Conference - SASTRA University

A/c Head :

₹ 500/-

Approved

Signature

OS

Principal

Correspondent



# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 6.3.2020

Name : Purusothaman G., Ismail gani M.

Received Rupees : Two hundred only

Bill Ref :

Towards : Conference - Konguadu College of Engineering

A/c Head :

₹ 200/-

Approved

Signature

OS

Principal

Correspondent

Scanned by TapScanner



# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 6.3.2020

Name : Senthamarai Kannan A., Vinathini K.

Received Rupees : Two hundred only

Bill Ref :

Towards : Conference - Konguadu College of Engineering

A/c Head :

₹ 200/-

Approved

Signature

OS

Principal

Correspondent

Scanned by TapScanner





# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 1.3.2020

Name : Vinodhini K

Received Rupees : One hundred only

Bill Ref :

Towards : Conference - P.M.C Engineering (hosur)

A/c Head :

₹ 100/-

Approved

Signature

OS

Principal

Correspondent



# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 30/3/2021

Name : K CHANDRASEKHARAN

Received Rupees : Three hundred only

Bill Ref :

Towards : International Conference

A/c Head :

₹ 300/-

Approved

Signature

OS

Principal

Correspondent



# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 20/2/2020

Name : R. RAMANATHAN

Received Rupees : Three hundred only

Bill Ref :

Towards : International Conference

A/c Head :

₹ 300/-

Approved

Signature

OS

Principal

Correspondent



# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 5/4/2021

Name : Dr. A. Puritha

Received Rupees : Three hundred only

Bill Ref :

Towards : National Conference on Fascinating Advancements in Mechanical Engineering on 5/4/2021

A/c Head :

₹ 300/-

Approved

Signature

OS

Principal

Correspondent





# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 9/3/21

Name : M. Chandrasekar, Asst. Prof.

Received Rupees : Three Hundred only

Bill Ref:

Towards : Conference Publication - Pandian Sasavathi  
Yadav Engg. College on 12.3.21

A/c Head:

₹ 300/-

Approved

Signature

OS

Principal

Correspondent



# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 23/3/21

Name : M. Chandrasekar, Asst. Prof.

Received Rupees : Three hundred only

Bill Ref:

Towards : National Conference - SRM T.R.A. Engg. College  
on 25.3.21

A/c Head:

₹ 300/-

Approved

Signature

OS

Principal

Correspondent



# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 16.03.21

Name : S. Saravanan AP/Mechatronics

Received Rupees : three hundred rupees only

Bill Ref : Virtual National conference on

Towards : Innovations in Electrical Power & Green Energies

A/c Head :

₹ 300/-

Approved

Signature

OS

Principal

Correspondent



# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 5.4.2021

Name : S. Saravanan AP/mechatronics

Received Rupees : three hundred rupees only

Bill Ref : National conference - RMK College of Engg & Tech

Towards : - Fascinating Advancements in Mechanical Engg.

A/c Head :

₹ 300/-

Approved

Signature

OS

Principal

Correspondent





# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 25/3/2021

Name : M. Suba Pradha, AP / MCT Dept

Received Rupees : Three hundred rupees only

Bill Ref :

Towards : National conference on Recent Advances in Communicative Electronics on 25/3/2021

A/c Head :

₹ 300/-

Approved

Signature  
25/3/21

OS

Principal

Correspondent



# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 5/4/2021

Name : M. Suba Pradha

Received Rupees : Three hundred only

Bill Ref :

Towards : National conference on Fascinating Advancement in mechanical Engineering on 5/4/2021

A/c Head :

₹ 300/-

Approved

Signature  
5/4/21

OS

Principal

Correspondent



# **Auditor Statement**



# M.A.M. SCHOOL OF ENGINEERING

(Accredited by NAAC)

Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai  
Siruganur, Trichy-621105

## **List of Faculty provided with financial support to attend conferences/workshop**

### **Academic Year 2019-2020**

S.No	Name of the Faculty	Department	Name of conference/ workshop attended for which financial support provided	Amount
1	S.Murugavalli	CSE	Two days International Conference on Empowering Engineering and Technology(ICEET '2020)	Rs.250/-
2	G.Rajeshkumar	CSE	Two days International Conference on Empowering Engineering and Technology(ICEET '2020)	Rs.250/-
3	Vinothini K, Senthamarai Kannan A	EEE	Electrical Power and Energy Syatems-2K20	Rs.200/-
4	Vinothini K	EEE	Robotics & Automation Engineering-2K20	Rs.100/-
5	Ismailgani M, G.Purushothaman	EEE	Electrical Power and Energy Syatems-2K20	Rs.200/-
6	R.Ramanathan	Mech	International Conference on Technological Advancements in Materials, Design, Manufactuing and Energy Sectors	Rs.300/-

7	P.Sivamalar	CSE	Workshop on learning path to front end web and mobile application Developpment	Rs.300/-
8	S.Murugavalli	CSE	Art & Skills for Effective Teaching	Rs.350/-
9	K.Sathish kumar	CSE	Art & Skills for Effective Teaching	Rs.350/-
10	T.Ashok	ECE	Arts and Skills for Effective Teaching	Rs.350/-
11	P.Kavitha	ECE	Arts and Skills for Effective Teaching	Rs.350/-
12	Dr.K.Chandrasekaran	Aero	Arts and Skills for Effective Teaching	Rs.350/-
13	J.Jebapriyadharshini	Aero	Arts and Skills for Effective Teaching	Rs.350/-
14	Sudha P	MCT	Arts and Skills for Effective Teaching	Rs.350/-
15	Chandrasekar M	MCT	Arts and Skills for Effective Teaching	Rs.350/-
16	Dr.Lilly Florence	S&H	Arts and Skills for Effective Teaching	Rs.350/-
17	Arumugasamy M	MCT	Online Workshop – Finite Element Analysis	Rs.200/-



# Certificates





**KONGUNADU**

**COLLEGE OF ENGINEERING AND TECHNOLOGY**

(Autonomous)

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

Accredited by NAAC with B++ grade, NBA (CSE, ECE & EEE)

Namakkal - Trichy Main Road, Tholurpatti (Po), Thottiam (Tk), Trichy (Dt.) - 621 215.

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**Fifth National Conference**

On

**Electrical Power and Energy Systems-2020 (EPES-2K20)**

This is to certify that Mr./Ms./Dr. VINOTHINI K  
has presented a paper titled optimal design method of interleaved boost pfc for  
improving efficiency from switching frequency boost induction and output voltage in the  
fifth - National conference on "**Electrical Power and Energy Systems-2K20**"  
Organized by Department of Electrical and Electronics Engineering,  
KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY on 07.03.2020

  
Organizing Secretary

  
Convener

  
Principal



**Er. PERUMAL MANIMEKALAI  
COLLEGE OF ENGINEERING**

(Accredited by NAAC with 'B++' Grade)

Koneripalli, HOSUR - 635 117.



Department of Mechatronics Engineering

in Association with

National Conference on

**ROBOTICS & AUTOMATION ENGINEERING - 2K20 (NCRAE-2K20)**



**Certificate**

This is to Certify that Dr./Prof./Mr./Ms. K. VINOTHINI AP/ECE  
of MAN. SCHOOL OF ENGINEERING Presented a technical paper  
entitled AN INTEGRATED STEP-UP INVERTER WITHOUT TRANSFORMER & LEAKAGE  
CURRENT FOR GRID-CONNECTED PHOTOVOLTAIC SYSTEM  
in the National Conference on "**Robotics & Automation Engineering - 2K20**" held at  
Er. Perumal Manimekalai College of Engineering, Hosur on March 02<sup>nd</sup> 2k20.

  
Convener

  
Principal



**KONGUNADU**

**COLLEGE OF ENGINEERING AND TECHNOLOGY**

(Autonomous)

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

Accredited by NAAC with B++ grade, NBA (CSE, ECE & EEE)

Namakkal - Trichy Main Road, Tholurpatti (Po), Thottiam (Tk), Trichy (Dt.) - 621 215.

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**Fifth National Conference**

On

**Electrical Power and Energy Systems-2020 (EPES-2K20)**

This is to certify that Mr./Ms. Dr. SETHAMURTHI KANNAN, A.....

has presented a paper titled on optimal design method of isolated Boost PFC for  
Improving Efficiency From switching Frequency Boost Inductor and output Voltage in the  
fifth - National conference on **"Electrical Power and Energy Systems-2K20"**

Organized by Department of Electrical and Electronics Engineering,  
KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY on 07.03.2020

Organizing Secretary

Convener

Principal





**KONGUNADU**

**COLLEGE OF ENGINEERING AND TECHNOLOGY**

**(Autonomous)**

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

Accredited by NAAC with B++ grade, NBA (CSE, ECE & EEE)

Namakkal - Trichy Main Road, Tholurpatti (Po), Thottiam (Tk), Trichy (Dt.) - 621 215.

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**Fifth National Conference**

*On*

**Electrical Power and Energy Systems-2020 (EPES-2K20)**

This is to certify that Mr./Ms./Dr. ISMAIL GANI M.....

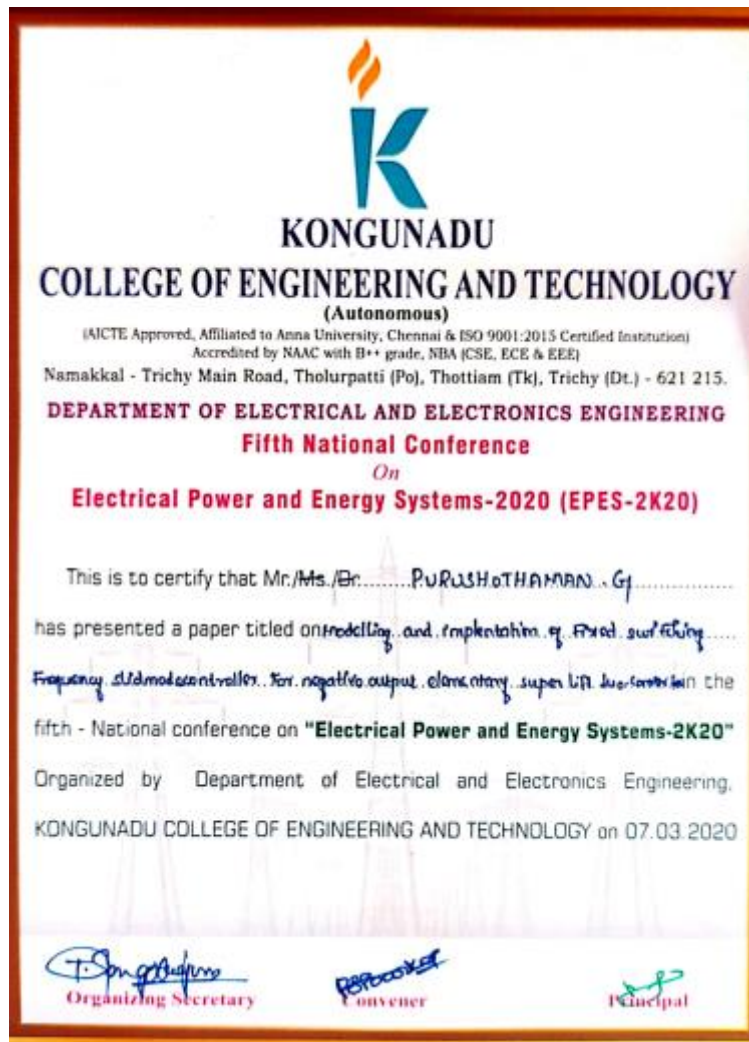
has presented a paper titled on Modelling and implementation of Fixed Switching Frequency Sliding mode controller for negative output elementary Inverter in the fifth - National conference on "**Electrical Power and Energy Systems-2K20**"

Organized by Department of Electrical and Electronics Engineering,  
KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY on 07.03.2020

  
Organizing Secretary

  
Convener

  
Principal







**SVR ENGINEERING COLLEGE**

Service Virtue Reverence

Approved by AICTE, New Delhi  
Permanently Affiliated to JNTUA, Anantapuramu  
Ayyaluru Motta, NANDYAL  
Kurnool (Dt.) A.P. - 518 502

Counselling CODE

**ASVR**

# CERTIFICATE OF PARTICIPATION

This is to certify that

**Sivamalar. P**

participated and successfully completed

**"A 3 DAY WORKSHOP ON LEARNING PATH TO FRONTEND WEB AND MOBILE APPLICATION DEVELOPMENT"**

from 1<sup>st</sup> June 2020 to 3<sup>rd</sup> June 2020



S. DINESH REDDY  
CHIEF PATRON

Dr. P. MALLIKARJUNA REDDY  
PRINCIPAL

Dr. G. RAJESH CHANDRA  
CONVENOR



**SAVEETHA ENGINEERING COLLEGE**

Affiliated to Anna University | Approved by AICTE

**AUTONOMOUS**



**SAVEETHA TEACHING LEARNING CENTRE**

## ... CERTIFICATE OF PARTICIPATION ...

This is to certify that Ms. Kavitha .P  
of M.A.M SCHOOL OF ENGINEERING, SIRUGANUR, TRICHY

has attended and successfully completed Two Week Online Course on

**Art and Skills for Effective Teaching (ASET)**

organized by Saveetha Teaching Learning Centre from 25.05.2020 to 06.06.2020.

**Dr. C. Sheeba Joice**  
Associate Dean – STLC  
Prof & Deputy Head – ECE

**Dr. R. Ramesh**  
Principal

Certificate ID:STLC-OC02-148



**SAVEETHA  
ENGINEERING COLLEGE**

Affiliated to Anna University | Approved by AICTE

**AUTONOMOUS**



**SAVEETHA TEACHING LEARNING CENTRE**

**... CERTIFICATE OF PARTICIPATION ...**

This is to certify that J.Jebapriyadharshini  
of M.A.M School of Engineering has attended and successfully completed  
Two Week Online Course on  
**Art and Skills for Effective Teaching (ASET)**  
organized by Saveetha Teaching Learning Centre from 25.05.2020 to 06.06.2020.

**Dr. C. Sheeba Joice**  
Associate Dean – STLC  
Prof & Deputy Head – ECE

**Dr.R.Ramesh**  
Principal

Certificate ID: STLC-OC02-062



**SAVEETHA  
ENGINEERING COLLEGE**

Affiliated to Anna University | Approved by AICTE

**AUTONOMOUS**



**SAVEETHA TEACHING LEARNING CENTRE**

**... CERTIFICATE OF PARTICIPATION ...**

This is to certify that Dr.K.Chandrasekaran  
of M.A.M School of Engineering has attended and successfully completed  
Two Week Online Course on  
**Art and Skills for Effective Teaching (ASET)**  
organized by Saveetha Teaching Learning Centre from 25.05.2020 to 06.06.2020.

**Dr. C. Sheeba Joice**  
Associate Dean – STLC  
Prof & Deputy Head – ECE

**Dr.R.Ramesh**  
Principal

Certificate ID: STLC-OC02-060



**SAVEETHA  
ENGINEERING COLLEGE**

Affiliated to Anna University | Approved by AICTE

**AUTONOMOUS**



**SAVEETHA TEACHING LEARNING CENTRE**

**... CERTIFICATE OF PARTICIPATION ...**

This is to certify that Mr. M. Chandrasekar  
of M.A.M School of Engineering, Trichy

has attended and successfully completed Two Week Online Course on  
**Art and Skills for Effective Teaching (ASET)**  
organized by Saveetha Teaching Learning Centre from 25.05.2020 to 06.06.2020.

**Dr. C. Sheeba Joice**  
Associate Dean – STLC  
Prof & Deputy Head – ECE

**Dr. R. Ramesh**  
Principal

Certificate ID:STLC-OC02-84



**SAVEETHA  
ENGINEERING COLLEGE**

Affiliated to Anna University | Approved by AICTE

**AUTONOMOUS**



**SAVEETHA TEACHING LEARNING CENTRE**

**... CERTIFICATE OF PARTICIPATION ...**

This is to certify that Mr. T. Ashok  
of MAM SCHOOL OF ENGINEERING

has attended and successfully completed Two Week Online Course on  
**Art and Skills for Effective Teaching (ASET)**  
organized by Saveetha Teaching Learning Centre from 25.05.2020 to 06.06.2020.

**Dr. C. Sheeba Joice**  
Associate Dean – STLC  
Prof & Deputy Head – ECE

**Dr. R. Ramesh**  
Principal

Certificate ID:STLC-OC02-64





**SAVEETHA  
ENGINEERING COLLEGE**

Affiliated to Anna University | Approved by AICTE

**AUTONOMOUS**



**SAVEETHA TEACHING LEARNING CENTRE**

... **CERTIFICATE OF PARTICIPATION** ...

This is to certify that Ms. Sudha P  
of M. A. M School of Engineering, Trichy

has attended and successfully completed Two Week Online Course on

**Art and Skills for Effective Teaching (ASET)**

organized by Saveetha Teaching Learning Centre from 25.05.2020 to 06.06.2020.

**Dr. C. Sheeba Joice**  
Associate Dean – STLC  
Prof & Deputy Head – ECE

**Dr. R. Ramesh**  
Principal

Certificate ID:STLC-OC02-22



**SAVEETHA  
ENGINEERING COLLEGE**

Affiliated to Anna University | Approved by AICTE

**AUTONOMOUS**



**SAVEETHA TEACHING LEARNING CENTRE**

... **CERTIFICATE OF PARTICIPATION** ...

This is to certify that Ms. Lilly Florence  
of M.A.M SCHOOL OF ENGINEERING, SIRUGANUR, TRICHY

has attended and successfully completed Two Week Online Course on

**Art and Skills for Effective Teaching (ASET)**

organized by Saveetha Teaching Learning Centre from 25.05.2020 to 06.06.2020.

**Dr. C. Sheeba Joice**  
Associate Dean – STLC  
Prof & Deputy Head – ECE

**Dr. R. Ramesh**  
Principal

Certificate ID:STLC-OC02-149



**SAVEETHA  
ENGINEERING COLLEGE**

Affiliated to Anna University | Approved by AICTE

**AUTONOMOUS**



**SAVEETHA TEACHING LEARNING CENTRE**

... **CERTIFICATE OF PARTICIPATION** ...

This is to certify that **MURUGAVALLI S**  
of **M. A. M SCHOOL OF ENGINEERING, SIRUGANUR, TRICHY.** has attended and successfully completed  
Two Week Online Course on  
**Art and Skills for Effective Teaching (ASET)**  
organized by Saveetha Teaching Learning Centre from 25.05.2020 to 06.06.2020.

**Dr. C. Sheeba Joice**  
Associate Dean – STLC  
Prof & Deputy Head – ECE

**Dr. R. Ramesh**  
Principal

Certificate ID: STLC-OC02-021



**SAVEETHA  
ENGINEERING COLLEGE**

Affiliated to Anna University | Approved by AICTE

**AUTONOMOUS**



**SAVEETHA TEACHING LEARNING CENTRE**

... **CERTIFICATE OF PARTICIPATION** ...

This is to certify that *Mr. Sathish Kumar K*  
of **MAM SCHOOL OF ENGINEERING, SIRUGANUR, TRICHY.**  
has attended and successfully completed Two Week Online Course on  
**Art and Skills for Effective Teaching (ASET)**  
organized by Saveetha Teaching Learning Centre from 25.05.2020 to 06.06.2020.

**Dr. C. Sheeba Joice**  
Associate Dean – STLC  
Prof & Deputy Head – ECE

**Dr. R. Ramesh**  
Principal

Certificate ID: STLC-OC02-82

# CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. ARUMUGASAMY M  
of M.A.M SCHOOL OF ENGINEERING

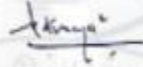
Participated in the "Three Day online workshop on Finite Element Analysis for beginners: Theory & Simulation" Organized by the School of Mechanical Engineering (SMEC), VIT Chennai during 28 -30 May 2020..



Dr.G.Venkatachalam  
Coordinator



Dr.S.Jeyanthi  
Coordinator



Dr. R. Sivakumar  
Dean-SMEC



Dr. V.S. KanchanaBhaaskaran,  
Pro Vice Chancellor



# Vouchers



## M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

### VOUCHER

A-No.

Date : 20/5/20

Name : P. Sudha , AP / MCT

Received Rupees : Rs. 300/-

Bill Ref :

Towards : Short term Course ASET @ Saveetha Engg. College from 25.5.20 to 6.6.20.

A/c Head :

₹ 300/-

Approved

Signature

OS

Principal

Correspondent



## M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

### VOUCHER

A-No.

Date : 20/5/20

Name : M. Chandra Sekar , AP / MCT

Received Rupees : Rs. 300/-

Bill Ref :

Towards : Short term Course ASET @ Saveetha Engg. College from 25.5.20 to 6.6.20

A/c Head :

₹ 300/-

Approved

Signature M. Chandra Sekar 20/5/20

OS

Principal

Correspondent

# **Auditor Statement**



# M.A.M. SCHOOL OF ENGINEERING

(Accredited by NAAC)

Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai  
Siruganur, Trichy-621105

## **List of Faculty provided with financial support to attend conferences/workshop**

### **Academic Year 2018-2019**

<b>S.No</b>	<b>Name of the Faculty</b>	<b>Department</b>	<b>Name of conference/ workshop attended for which financial support provided</b>	<b>Amount</b>
<b>1</b>	M.Chandrasekar	MCT	International Conference on Innovative Engineering Initiatives	Rs.250/-
<b>2</b>	K.Umarani	MCT	National Conference on Signal Processing and Communication Systems	Rs.250/
<b>3</b>	K.Umarani	MCT	National Conference on Signal Processing and Communication Systems	Rs.250/
<b>4</b>	P.Sudha	ECE	second national conference on signal processing and communication systems	Rs.250/
<b>5</b>	P.Sudha	ECE	second national conference on signal processing and communication systems	Rs.250/
<b>6</b>	Senthamarai Kannan A, Ranjithkumar M	EEE	Recent Trends in Electrical Engineering	Rs.500/-
<b>7</b>	Senthamarai Kannan A	EEE	International Conference on Innovative Engineering Initiatives (ICIEI)	Rs.250/-
<b>8</b>	D.Saranya	CSE	International Conference on Innovative Engineering Initiatives (ICIEI) 2019	Rs. 250/-
<b>9</b>	S.Nandhini Devi	CSE	International Conference on Innovative Engineering Initiatives (ICIEI) 2019	Rs. 250/-
<b>10</b>	S.Nandhini Devi	CSE	International Conference on Innovative Engineering Initiatives (ICIEI) 2019	Rs. 250/-
<b>11</b>	S. Murugavalli	CSE	International Conference on Innovative Engineering Initiatives (ICIEI) 2019	Rs. 250/-
<b>12</b>	S.Murugavalli	CSE	International Conference on Innovative Engineering Initiatives (ICIEI) 2019	Rs. 250/-



<b>13</b>	E.Priyanka	CSE	International Conference on Innovative Engineering Initiatives (ICIEI) 2019	Rs. 250/-
<b>14</b>	G.Rajeshkumar	CSE	International Conference on Innovative Engineering Initiatives (ICIEI) 2019	Rs. 250/-
<b>15</b>	Senthamarai Kannan A	EEE	International Conference on Recent Innovations and Developments in Mechanical Engineering (ICRIDME 2K19)	Rs.250/-
<b>16</b>	R.Ramanathan	MECH	International Conference on Veracity Research in Scientific Computation and Engineering Trends	Rs.300/-
<b>17</b>	K. Chandrasekaran	Aero	National conference on research and recent trends in mechanical sciences	Rs.250/-
<b>18</b>	S.Maniam Ramasamy	MECH	National Conference on Research & Recent Trends in Mechanical Sciences	Rs.300/-
<b>19</b>	S.Maniam Ramasamy	MECH	National Conference on Research & Recent Trends in Mechanical Sciences	Rs.300/-
<b>20</b>	R.Ramanathan	MECH	International Conference on Veracity Research in Scientific Computation and Engineering Trends	Rs.300/-
<b>21</b>	R.Ramanathan	MECH	International Conference on Veracity Research in Scientific Computation and Engineering Trends	Rs.300/-
<b>22</b>	R.Ramanathan	MECH	National Conference on Research & Recent Trends in Mechanical Sciences	Rs.300/-
<b>23</b>	M.Chandrasekar	MCT	Two day Workshop on "Introduction to Robotics"	Rs.1000/-
<b>24</b>	G.Purushothaman	EEE	Two day Workshop on "Introduction to Robotics"	Rs.1000/-
<b>25</b>	Mahalingam	ECE	Two day Workshop on "Introduction to Robotics"	Rs.1000/-
<b>26</b>	D.Rajkumar	MCT	Two day Workshop on "Introduction to Robotics"	Rs.1000/-
<b>27</b>	S. Maniam Ramasamy	MECH	One Day Workshop on "NLP for Educators"	Rs.1500/-
<b>28</b>	S. Maniam Ramasamy	MECH	National level workshop on "industry 4.0 and smart Manufacturing Strategies"	Rs.1500/-
<b>29</b>	R.Ramanathan	MECH	National level workshop on "industry 4.0 and smart Manufacturing Strategies"	Rs.1500/-

# Certificates

	<b>SRM TRP ENGINEERING COLLEGE</b> Near Samayapuram, Tiruchirappalli - 621 105.	
<b>International Conference on Innovative Engineering Initiatives (ICIEI - 2019)</b>		
<b><u>Certificate</u></b>		
This is to certify that the following paper has been presented in the <sup>st</sup> International Conference on Innovative Engineering Initiatives <sup>st</sup> (ICIEI - 2019) held during 13 <sup>th</sup> & 14 <sup>th</sup> March 2019.		
Title of the Paper	: <u>ONLINE SHOPPING USING SEMI AUTOMATED ROBOT</u> <u>IN SUPER MARKET</u>	
Author	: <u>M. CHANDRA SEKAR</u> <u>M.A.M. SCHOOL OF ENGINEERING</u>	
 Prof. S. PALANIYAPPAN Coordinator	 Dr. M. PRABHAKAR Organizing Secretary	 Dr. S. MALIKARAJ Convener
SL: SRM TRPE/CICIEI/19/EC/100		

	<b>M.Kumarasamy College of Engineering</b> NAAC Accredited Autonomous Institution Approved by AICTE & Affiliated to Anna University ISO 9001:2015 Certified Institution Thalavapalayam, Karur, Tamilnadu.	
<b>CERTIFICATE OF PARTICIPATION</b>		
This is to certify that Dr./Mr./Ms./Mrs. <u>UMAPANI. J</u> of <u>M.A.M. SCHOOL OF ENGINEERING</u> has presented a paper titled <u>SMART ENERGY MONITORING SYSTEM</u> <u>USING IOT</u> in Second National Conference on "Signal Processing and Communication Systems" Organized by the Research and Development Cell, Department of Electronics and Communication Engineering on 07 <sup>th</sup> March 2019.		
 Dr.S.Palanivel Rajan Organizing Chair	 Dr.C.Vivek HoD/ECE	 Dr.N.Ramesh Babu Principal



**M. Kumarasamy**  
College of Engineering  
NAAC Accredited Autonomous Institution  
Approved by AICTE & Affiliated to Anna University  
ISO 9001:2015 Certified Institution  
Thalavapalayam, Karur, Tamilnadu.




## CERTIFICATE OF PARTICIPATION

This is to certify that Dr./Mr./Ms./Mrs. K. UMAPANI of  
M.A.M. SCHOOL OF ENGINEERING, SIRUGANUR, TIRUCHY has presented  
a paper titled UNDERGROUND ARMY COMMUNICATION USING WUSN  
in  
Second National Conference on "Signal Processing and Communication Systems" Organized by the Research and  
Development Cell, Department of Electronics and Communication Engineering on 07<sup>th</sup> March 2019.

  
Dr.S.Palanivel Rajan  
Organizing Chair

  
Dr.C.Vivek  
HoD/ECE

  
Dr.N.Ramesh Babu  
Principal




**M. Kumarasamy**  
College of Engineering  
NAAC Accredited Autonomous Institution  
Approved by AICTE & Affiliated to Anna University  
ISO 9001:2015 Certified Institution  
Thalavapalayam, Karur, Tamilnadu.



## CERTIFICATE OF PARTICIPATION

This is to certify that Dr./Mr./Ms./Mrs. SUDHA P of  
M.A.M. SCHOOL OF ENGINEERING has presented  
a paper titled HUMAN BODY COMMUNICATION BASED HEALTH MONITORING  
USING WEARABLE SENSORS in  
Second National Conference on "Signal Processing and Communication Systems" Organized by the Research and  
Development Cell, Department of Electronics and Communication Engineering on 07<sup>th</sup> March 2019.

  
Dr.S.Palanivel Rajan  
Organizing Chair

  
Dr.C.Vivek  
HoD/ECE

  
Dr.N.Ramesh Babu  
Principal





**M.Kumarasamy**  
College of Engineering  
NAAC Accredited Autonomous Institution  
Approved by AKTE & Affiliated to Anna University  
ISO 9001:2015 Certified Institution  
Thalavapalayam, Karur, Tamilnadu.




## CERTIFICATE OF PARTICIPATION

This is to certify that Dr./Mr./Ms./Mrs. SUDHA. P of M.A.M. SCHOOL OF ENGINEERING has presented a paper titled DYNAMIC SPECTRUM SHARING IN 5G WIRELESS USING QSM IN COGNITIVE RADIO NETWORK in Second National Conference on "Signal Processing and Communication Systems" Organized by the Research and Development Cell, Department of Electronics and Communication Engineering on 07<sup>th</sup> March 2019.

  
Dr.S.Palanivel Rajan  
Organizing Chair

  
Dr.C.Vivek  
HoD/ECE

  
Dr.N.Ramesh Babu  
Principal



# SASTRA

ENGINEERING · MANAGEMENT · LAW · SCIENCES · HUMANITIES · EDUCATION

DEEMED TO BE UNIVERSITY

Srinivasa Ramanujan Centre, Kumbakonam - 612001



**Department of Electrical & Electronics Engineering**

*National Conference on*

**Recent Trends in Electrical Engineering**

This is to certify that Mr/ Ms/ Mrs M.RANJITHKUMAR,  
M.A.M. SCHOOL OF ENGINEERING, TIRUCHIRAPALLI participated and presented a paper in the National Conference held at SRC, SASTRA Deemed to be University, Kumbakonam, TamilNadu on 5<sup>th</sup> April 2019, in the title of LOAD SHIFT POTENTIAL ANALYSIS AND AUTOMATIC TRIPPING USING VARIOUS DEMAND RESPONSE

  
**Dr. V. Dharmalingam**  
 Prof & Head/ EEE/ SRC  
 Convenor

  
**Dr. V. Ramaswamy**  
 Dean/ SRC/ SASTRA  
 Patron



# CODE TRACKER: A LIGHTWEIGHT APPROACH TO TRACK AND PROTECT AUTHORIZATION CODES IN SMS MESSAGES

S.NOOR NISHA  
Computer Science And  
Engineering  
M.A.M SCHOOL OF  
ENGINEERING

Trichy  
Nishahir0326@gmail.com

M.YOGAPRIYA  
Computer Science And  
Engineering  
M.A.M SCHOOL OF  
ENGINEERING

Trichy  
Priyapriyan0597@gmail.com

M.SIVAGANDHI  
Computer Science And  
Engineering  
M.A.M SCHOOL OF  
ENGINEERING

Trichy  
Sivagandhi2206@gmail.com

D.SARANYA M.E

Assistant professor of Computer Science and Engineering  
MAM SCHOOL OF ENGINEERING  
Trichy

Saranyaturrirac91@gmail.com

## Abstract:

Smart phones are widely used in our daily life. Most of the peoples use smartphones for online transaction, bank transfer and other application. By increasing the websites and application the authorization code are delivered via smartphones. SMS Authorization codes plays important role in securing web accounts, social accounts, money transaction and so many. So we approach a Code Tracker method to secure and track the authorization code in SMS message. At first the authorization codes are identified and marked with taint tag. Then we modified the array structure, array operations and file operation for the secondary storage and make sure the taint tags are not removed. Then the authorization code has been processed

cars, and Wear OS for wrist watches, each with a specialized user interface, **SMARTPHONES** are widely used in our daily life. Increasingly more users leverage smartphones for online transactions, bank transfers and other operations. Simultaneously, increasingly more websites and applications (apps for short) leverage codes delivered via SMS messages to authorize users. it may present security concerns On the other hand, SMS-stealing malware is emerging. A research report from the Qihoo 360 company revealed that 6.1% of mobile malware is stealing information. Among these information-stealing malware samples, 67.4% of them are targeting SMS messages. A research paper named that among the 49 malware families, 27 of them are harvesting user information, including user accounts and short messages. To this end, there is an urgent need to protect the SMS authorization codes in



# ***BIG DATA ANALYSIS FOR FRAME WORK COLLECTIONS***

*T.R.V.Nithish Kumar  
Computer Science And  
Engineering  
MAM School Of  
Engineering  
Trichy  
Nithish09091998@gmail.com*

*S.Nixan  
Computer Science And  
Engineering  
MAM School Of  
Engineering  
Trichy,India  
Nixa25inno@gmail.com*

*Guide Name:S.Nandhini  
Devi  
Computer Science And  
Engineering  
MAM School Of  
Engineering  
Trichy,India  
Devinandhini1982@gmail.com*

## ***Abstract:***

*Most scientific data consists of analyzing huge amount of data collected from different resources. Hence, parallel algorithms and frameworks are the important which can process huge volumes of data and meeting the requirements of performance and scalability entailed in such scientific data analyses. In this paper, we proposed a concurrent VM reconfiguration mechanism for big data tool which is Map Reduce on virtualized big data environments. Our reconfiguration enhances the input data locality of a virtual Map Reduce cluster. It adds cores to VMs to run local tasks temporarily by scheduling tasks based on data locality, and adjust the computational capability of the virtual nodes to contain the scheduled tasks unlike the traditional schemes which can leads to user-friendly configurations for big data resources. The need for a reliable mapping mechanism*

may be classified as transient, intermittent or permanent.

They can be of following types:

1.Processor Faults (Node Faults): Processor faults occur when the processor behaves in an unexpected manner. It may be of classified into three kinds:

Fail-Stop – Here a processor can both be active and participate in distribute protocols or is totally failed and will never respond. In this case the neighboring processors can detect the failed processor.

Slowdown – Here a processor might run in degraded fashion or might totally fail.

Byzantine – Here a processor can fail, run in degraded fashion for some time or execute at normal speed but tries to fail the computation.

# TRUSTWORTHY IN THE DYNAMIC IOT CLOUD

S.SHARMELA  
Computer Science And  
Engineering  
MAM School Of Engineering  
Trichy  
Sharmelasagayaraj17@gmail.co

F.A.MONICA SELES  
Computer Science And  
Engineering  
MAM School Of Engineering  
Trichy,India  
Monicaseles2098@gmail.com

Guide Name:S.Nandhini Devi  
Computer Science And  
Engineering  
MAM School Of Engineering  
Trichy,India  
Devinandhini1982@gmail.com

## Abstract:

*In this paper, we consider the issues of trustworthy computing for the dynamic IoT cloud. First, we introduce the vertical and horizontal computing structures in the extended IoT cloud where IoT devices, edge, fog, and cloud are integrated in a layered infrastructure. Then, we consider the issues and design a framework and accompanying mechanisms for performing trustworthy computing making use of the vertical IoT cloud structure to secure the IoT cloud in vertical and horizontal computation structures. Specifically, we discuss a general trustworthy computing pattern in the IoT cloud and use intrusion detection as an example to illustrate the idea, develop an advanced access control and policy definition model for highly dynamic IoT networks, and introduce an integrated data provenance and information control mechanism to ensure the data integrity and secure the information flow for various computation patterns in the IoT cloud.*

Therefore, detection of faulty sensor nodes is an essential issue in WSNs. A sensor properly. In the literature, the faults in WSNs are broadly classified into two types known as hard fault (permanent or static fault) and soft fault (or dynamic fault). The hard fault occurs if a sensor node fails to communicate with the rest of the sensor nodes in the network. When the sensor node is able to communicate with the other sensor nodes, but transmits erroneous message, then such type of fault is known as soft fault.

## II. EXISTING SYSTEM

OpenFlow provides an open protocol to program the flow table in different switches and routers. A network administrator can partition traffic into production and research flows of fault

# SECURE COMMUNICATION BY DATA ANALYSIS IN ONLINE TRANSACTIONS USING BIGDATA

S. Yasvaanth  
Computer Science And  
Engineering  
MAM SCHOOL OF  
ENGINEERING  
Trichy, India  
coolyash31197@gmail.com

P. Karna  
Computer Science And  
Engineering  
MAM SCHOOL OF  
ENGINEERING  
Trichy, India  
karnagee9751@gmail.com

Guide Name:

S. Murugavalli  
Computer Science And  
Engineering  
MAM SCHOOL OF  
ENGINEERING  
Trichy, India  
vallisangilimuthu2012@gmail.com

## Abstract:

Cloud Computing has been envisioned as the next generation architecture of IT Enterprise security system in real time applications. In contrast to traditional solutions, where the IT services are under proper physical, logical and personnel controls, Cloud Computing moves the application software and databases to the large data centers, where the management of the data and services may not be fully trustworthy the sender and receiver should sharing the message with secure and timely manner This interface integrates all existing banks and provides business solutions for both retail and corporate. Multi-bank system. With cloud computing and storage, users are able to access and to share resources offered by cloud service providers at a lower marginal cost. With cloud

## I. INTRODUCTION

### 1.1 Cloud Computing

Cloud computing is a computing paradigm, where a large pool of systems is connected in private or public networks, to provide dynamically scalable infrastructure for application, data and file

storage. With the advent of this technology, the cost of computation, application hosting, content storage and delivery is reduced significantly. It is a practical approach to experience direct cost benefits, and it has the potential to transform a data center from a capital-intensive set up to a variable priced environment. The idea of cloud computing is based on a very fundamental principle of reusability of IT capabilities. The difference that cloud computing brings compared to traditional



# LIVE MIGRATION OF VIRTUAL MACHINE FOR CLOUD DATA CENTER

A. Mohamed Hakkim  
Computer Science And  
Engineering  
MAM SCHOOL OF  
ENGINEERING  
Trichy

mohamedhakkim7317@gmail.com

S. Tamil Selvan  
Computer Science And  
Engineering  
MAM SCHOOL OF  
ENGINEERING  
Trichy, India

tamilsekar@gmail.com

Guide Name: S. Murugavalli  
Computer Science And  
Engineering  
MAM SCHOOL OF  
ENGINEERING  
Trichy, India

Vallisangilimuth2012@gmail.com

**Abstract**— Cloud computing is on demand service as it offers dynamic, flexible and efficient resource allocation for reliable and guaranteed services in pay-as-you-use manner to the customers. In Cloud computing multiple cloud users can request number of cloud services simultaneously, so there must be a provision that all resources are made available to requesting user in efficient manner to satisfy their need without compromising on the performance of the resources. Cloud computing has its era and become a new age technology that has got huge importance and potentials in enterprises and markets. Clouds can make it possible to access applications and associated data from anywhere, anytime. One of the major challenges in cloud computing is related to optimizing the resources being allocated. The other challenges of resource allocation are meeting customer demands, data center

Page 1 of 5

## I. INTRODUCTION

Cloud computing is the use of computing resources (hardware and software) that are delivered as a service over a network (typically the Internet). The name comes from the use of a cloud-shaped symbol as an abstraction for the complex infrastructure it contains in system diagrams. Cloud computing entrusts remote services with a user's data, software and computation. There are many types of public cloud computing

Cloud computing relies on sharing of resources to achieve coherence and economies of scale similar to a utility (like the electricity grid) over a network. At the foundation of cloud computing is the broader concept of converged infrastructure and shared services.

Cloud computing providers offer their services according to three fundamental models: Infrastructure as a service (IaaS), Platform as a service (PaaS), and software as a

# Efficient content delivery for Automated cloud Service – an Edge Data Models

*Karan.J*  
*Computer Science*  
*And Engineering*  
*MAM School Of Engineering*  
*Trichy*  
*karan812291@gmail.com*

*S.MohamedAzarudeen*  
*Computer Science And*  
*Engineering,*  
*MAM School Of Engineering*  
*Trichy,India*  
*accessazar @gmail.com*

*Guide Name: E.Priyanka*  
*Computer Science And*  
*Engineering,*  
*MAM School Of Engineering*  
*Trichy,India*  
*splinecg11@gmail.com*

## Abstract:

A Wireless communication system comprises of little estimated communication gadgets, which are outfitted with constrained battery power consuming and are adapted for remote exchanges. At the point when a WSN is sent in a sensing field, these sharing hubs will be in charge of sensing strange occasions or for gathered the sensed information of the world. On account of a communication hub distinguishing an irregular occasion or being set to occasionally report the sensed information, it will send the message jump by-bounce to an exceptional hub, called a sink hub. The sink hub will then illuminate the director through the Internet. In a WSN, communication hubs convey sencer information once again to the sink through multi hopping. The communication hubs close to the sink will for the most part briefly on battery force than others; therefore, these hubs will rapidly empty out their battery validity and

## I. INTRODUCTION

A wireless communication network (WSN) of spatially shared singles sensors to monitor physical or environmental conditions, such as temperature, sound, pressure, etc. and to cooperatively pass their data through the network to a main location area . The more current networks are bi-directional, also enabling control of communication activity. The development of wireless communication networks was motivated by military requirements such as battlefield surveillance; now a days such networks are used in many industrial and consumer applications, such as industrial process monitoring and controlling , machine health monitoring, and so on.

A wireless communication network (WSN) consists of thousands to lacks of low-power multi-functional communication nodes, operating in an unattended environment, and having sensing, computation and communication capabilities. The basic components of a nodes are a communication unit, an ADC (Analog to Digital Converter), a CPU (Central processing unit), a power unit and communication unit. Communication nodes are

# SMART PERSONAL SECURITY SYSTEM BASED ON FOOTWEAR USING MICROCONTROLLER

K.Dhivya UG Student  
Department of Computer  
Science and Engineering  
MAM School of Engineering  
Tiruchirappalli, India  
dhivya809@gmail.com

K.B.Shrinithi UG Student  
Department of Computer  
Science and Engineering MAM  
School of Engineering  
Tiruchirappalli, India.  
sanoferdia03@gmail.com

G.Rajeshkumar Assistant  
Professor Department of  
Computer Science and  
Engineering  
MAM School of Engineering  
Tiruchirappalli, India.  
grkresearch@gmail.com

## Abstract:

Recently personal security has become a sensitive issue. Women's need to have their secure against harassments. Recent social incidents gave us motivation to develop personal security system. Women's mostly not able to fight against criminal for self-security. Today's world is full of rush and most of the women work independently to support their family. They have to work till late night. For such women, safety is the most important, so they have to come forward because of harassment. Best solution for those women is to carry a portable system using smart shoes. It will generate a shock to attack a lawbreaker, following that the message will be sent with the help of Global System for Mobile Communication (GSM) on the particular number with the help of Global Positioning

researchers Tom Krupenkin and J. Ashley Taylor have developed an in shoe system that harvests the energy generated by walking, but the energy is lost as heat, it claim up to 20 watts of electricity could be generated and stored in an incorporated rechargeable battery. It converts mechanical energy to electricity via a micro fluidic device. The process is said to have a power density of up to one kilowatt per square meter (10.76 sq. ft.), plus it works with a wide range of mechanical forces, and is able to output a wide range of currents and voltages. Throughout a conference proceedings. Margins, column widths, line spacing, and type styles are built-in; examples of the type styles are provided throughout this document and are identified in italic type, within parentheses, following the example. Some components, such as multi-levelled equations, graphics, and tables are not prescribed, although the various table text styles are provided. The formatter will need to create these components, incorporating





# V.R.S.

COLLEGE OF ENGINEERING AND TECHNOLOGY

Accredited by NAAC & An ISO 9001:2008 Recertified Institution  
Arasur - 607 107, Villupuram District



## ICVRSCET-2019

International Conference  
on Veracity Research in Scientific Computation  
and Engineering Trends



### CERTIFICATE

This is to certify that

Dr./Mr./Ms. R. RAMANATHAN  
of M.A.M. SCHOOL, OF ENGINEERING  
has presented a paper on WEAR PROPERTIES ANALYSIS OF  
METAL MATRIX COMPOSITE FOR AIRCRAFT WING

in the "International Conference on Veracity Research  
in Scientific Computation and Engineering Trends  
(ICVRSCET 2019)" organized by **V.R.S. College of  
Engineering and Technology**, Arasur - 607 107, Villupuram  
District, Tamilnadu, India, on 23<sup>rd</sup> March, 2019.

Dr. Ganeskaran Manogaran  
International Chair

Dr. N. Anbazhagan  
General Chair

Tmt. Vijaya Muthuvannan  
Patron



# M.A.M.COLLEGE OF ENGINEERING AND TECHNOLOGY

Siruganur, Trichy - 621 105.

In association with IET - STUDENTS CHAPTER ( 621105/MCET/MC)

Department of Mechanical Engineering




National Conference on Research & Recent Trends in Mechanical Sciences


## NRRTMS - 19


### Certificate Of Participation

Mr./Ms. Dr. K. CHANDRASEKARAN of M.A.M. SCHOOL OF  
ENGINEERING has presented a Paper on the topic  
CHARACTERISTIC ANALYSIS OF HYBRID COMPOSITE FOR MARINE BLADES in the  
"National Conference on Research & Recent Trends in Mechanical Sciences" on 22<sup>nd</sup> March 2019.

  
Dr. P. Selvaraj  
Convener

  
Prof. G. Haridoss  
Dean Academic

  
Dr. S. Rajasekaran  
Dean Admin

  
Mrs. Fathima Bathool Maluk  
Secretary & CEO - MASTER G.I



# M.A.M.COLLEGE OF ENGINEERING AND TECHNOLOGY

Siruganur, Trichy - 621 105.

In association with IET - STUDENTS CHAPTER ( 621105/MCET/MC)

Department of Mechanical Engineering

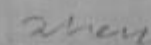


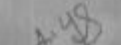
National Conference on Research & Recent Trends in Mechanical Sciences


## NRRTMS - 19


### Certificate Of Participation

Mr./Ms. S. MANIAM RAMASAMY of M.A.M. SCHOOL OF  
ENGINEERING has presented a Paper on the topic  
OPTIMIZATION AND ARREST VIBRATION OF MACHINE TOOL BEDS BY USING in the  
COMPOSITE MATERIALS  
"National Conference on Research & Recent Trends in Mechanical Sciences" on 22<sup>nd</sup> March 2019.

  
Dr. P. Selvaraj  
Convener

  
Prof. G. Haridoss  
Dean Academic

  
Dr. S. Rajasekaran  
Dean Admin

  
Mrs. Fathima Bathool Maluk  
Secretary & CEO - MASTER G.I



# M.A.M.COLLEGE OF ENGINEERING AND TECHNOLOGY

Siruganur, Trichy - 621 105.



In association with IET - STUDENTS CHAPTER ( 621105/MCET/MC )



Department of Mechanical Engineering

National Conference on Research & Recent Trends in Mechanical Sciences

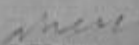
## NRRTMS - 19

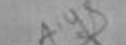
### Certificate Of Participation


Mr./Ms. S. MANIAMRAMASAMY of M.A.M. SCHOOL OF  
ENGINEERING has presented a Paper on the topic


DESIGN OF WIND TURBINE BLADE USING NERP in the

"National Conference on Research & Recent Trends in Mechanical Sciences" on 22<sup>nd</sup> March 2019.

  
Dr. P. Selvaraj  
Convener

  
Prof. G. Haridoss  
Dean Academic

  
Dr. S. Rajasekaran  
Dean Admin

  
Mrs. Padmini Rathod  
Secretary & CEO - MASTeR GJ





# V.R.S.

COLLEGE OF ENGINEERING AND TECHNOLOGY  
Accredited by NAAC & An ISO 9001:2008 Recertified Institution  
Arasur - 607 107, Villupuram District



## ICVRSCET-2019

International Conference  
on Veracity Research in Scientific Computation  
and Engineering Trends

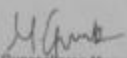



## CERTIFICATE


This is to certify that

Dr./Mr./Ms. R. RAMANATHAN  
of M.A.M. SCHOOL OF ENGINEERING  
has presented a paper on CNC MILLING OPERATION OF  
AL6061 USING CIRA TECHNIQUE

in the "International Conference on Veracity Research  
in Scientific Computation and Engineering Trends  
(ICVRSCET 2019)" organized by **V.R.S. College of  
Engineering and Technology**, Arasur - 607 107, Villupuram  
District, Tamilnadu, India, on 23<sup>rd</sup> March, 2019.

  
Dr. Ganesan Manogaran  
International Chair

  
Dr. N. Anbazhagan  
General Chair

  
Tmt. Vijaya Muthuvannan  
Patron



# V.R.S.

COLLEGE OF ENGINEERING AND TECHNOLOGY  
Accredited by NAAC & An ISO 9001:2008 Recertified Institution  
Arasur - 607 107, Villupuram District



## ICVRSCET-2019

International Conference  
on Veracity Research in Scientific Computation  
and Engineering Trends



## CERTIFICATE

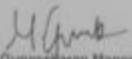
This is to certify that


Dr./Mr./Ms. S. RAMANATHAN

of M.A.M. SCHOOL OF ENGINEERING

has presented a paper on ANALYSIS OF MACHINING  
PARAMETERS IN CNC MILLING OPERATION USING RSM

in the "International Conference on Veracity Research  
in Scientific Computation and Engineering Trends  
(ICVRSCET 2019)" organized by **V.R.S. College of  
Engineering and Technology**, Arasur - 607 107, Villupuram  
District, Tamilnadu, India, on 23<sup>rd</sup> March, 2019.

  
Dr. Gunasekaran Manogaran  
International Chair

  
Dr. N. Ambazhagan  
General Chair

  
Tmt. Vijaya Muthuvannan  
Patron



# M.A.M.COLLEGE OF ENGINEERING AND TECHNOLOGY

Siruganur, Trichy - 621 105.



In association with IET - STUDENTS CHAPTER ( 621105/MCET/MC)



Department of Mechanical Engineering

National Conference on Research & Recent Trends in Mechanical Sciences

## NRRTMS - 19

### Certificate Of Participation


Mr./Ms. R. RAMANATHAN of M.A.M. SCHOOL OF  
ENGINEERING has presented a Paper on the topic

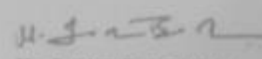
Experimental Analysis of Al Alloy 6061 using various turning in the  
operations in lathe.

"National Conference on Research & Recent Trends in Mechanical Sciences" on 22<sup>nd</sup> March 2019.

  
Dr. P. Selvaraj  
Convener

  
Prof. G. Jeyaprasad  
Dean Academic

  
Dr. S. Rajasekaran  
Dean Admin

  
Mrs. Fathima Bathooli Malik  
Secretary & CEO - MASTeR G.I





ERTS Lab  
Department of Computer Science and Engineering  
Indian Institute of Technology Bombay  
Powai, Mumbai-400 076

eYantra



## Certificate of Participation

This is to certify that **G Purushothaman** from **M.A.M. School Of Engineering, Tiruchirappalli** has successfully participated in the two-day workshop on "Introduction to Robotics" conducted on **27th and 28th July 2018** held at **Bannari Amman Institute of Technology, Erode**.

Prof. Kavi Arya  
Principal Investigator, e-Yantra  
Associate Professor  
Department of Computer Science and Engineering  
Indian Institute of Technology Bombay



<http://www.eyantra.org/verify>



Engineering a better tomorrow

eYantra is a project sponsored by MHRD, Government of India, under the National Mission on Education through ICT (NME-ICT)



ERTS Lab  
Department of Computer Science and Engineering  
Indian Institute of Technology Bombay  
Powai, Mumbai-400 076

eYantra



### Certificate of Participation

This is to certify that **M Chandrasekar** from **M.A.M. School Of Engineering, Tiruchirappalli** has successfully participated in the two-day workshop on "Introduction to Robotics" conducted on **27th and 28th July 2018** held at **Bannari Amman Institute of Technology, Erode**.

Prof. Kavi Arya  
Principal Investigator, e-Yantra  
Associate Professor  
Department of Computer Science and Engineering  
Indian Institute of Technology Bombay



http://www.ertslab.org/verify.php

Engineering a better tomorrow

e-Yantra is a project sponsored by MHRD, Government of India, under the National Mission on Education through ICT (NMEICT).



Society of Amaranthine Educators (SAE)  
Creating Knowledge, Creating Tomorrow

Happy Valley  
BUSINESS SCHOOL  
pursuing the frontiers

## CERTIFICATE

This is to certify that

Dr. / Mr. / Ms. **NANIAHRANASAMY - S**

has participated in an one day workshop on 'NLP for educators' organised by Society of Amaranthine Educators (SAE), Coimbatore, held at Happy Valley Business School on 18th August, 2018 (Saturday)

Dr. T. Bina  
Vice - President

18.08.2018

Dr. C. Kanagara  
President

Society of Amaranthine Educators (SAE), HVBS Campus, Coimbatore



## Dr.N.G.P. INSTITUTE OF TECHNOLOGY

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

Recognized by UGC & Accredited by NAAC &

NBA (BME, CSE, ECE, EEE & Mechanical)

Coimbatore - 641 048, Tamil Nadu.

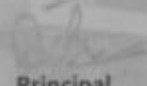
Department of Mechanical Engineering

### *Certificate of Participation*

This is to certify that Dr./Mr./Ms. R. RAMANATHAN of  
Asst. Professor / M.A.M. School of Engineering has attended  
One Day National Level Workshop on "Industry 4.0 and Smart Manufacturing  
Strategies" held on 11.09.2018.

  
Coordinator

  
HoD

  
Principal



## Dr.N.G.P. INSTITUTE OF TECHNOLOGY

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

Recognized by UGC & Accredited by NAAC &

NBA (BME, CSE, ECE, EEE & Mechanical)

Coimbatore - 641 048, Tamil Nadu.


Department of Mechanical Engineering

### *Certificate of Participation*

This is to certify that Dr./Mr./Ms. S. MANIAMERUMASAM of  
Asst. Prof. / M.A.M. School of Engineering has attended  
One Day National Level Workshop on "Industry 4.0 and Smart Manufacturing  
Strategies" held on 11.09.2018.

  
Coordinator

  
HoD

  
Principal



# Vouchers



## M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

### VOUCHER

A-No.

Date : 26/7/2018

Name : G. Purnakumar, Rajkumar, M. Chandrasekar, Mahalingam

Received Rupees : four thousand rupees only

Bill Ref : 4 X 1000 = 4000 /

Towards : EYANTA work shop @ BIT, Erode

A/c Head :

₹ 4000 / -

Approved

Signature

OS

Principal

Correspondent



# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 23/3/2019

Name : R. RAMANATHAN

Received Rupees : Three hundred only

Bill Ref :

Towards : International Conference

A/c Head :



300/-

Approved

Signature

OS

Principal

Correspondent



# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 22/3/2019

Name : R. RAMANATHAN

Received Rupees : Three hundred only

Bill Ref :

Towards : National Conference

A/c Head :



300/-

Approved

Signature

OS

Principal

Correspondent



# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 22/3/2019

Name : S. Maniam Ramasamy

Received Rupees : Three hundred only

Bill Ref :

Towards : National Conference

A/c Head :

₹ 300/-

Approved

Signature

OS

Principal

Correspondent



# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 22/3/2019

Name : S. Maniam Ramasamy

Received Rupees : Three hundred only

Bill Ref :

Towards : National Conference

A/c Head :

₹ 300/-

Approved

Signature

OS

Principal

Correspondent



# **Auditor Statement**



# M.A.M. SCHOOL OF ENGINEERING

(Accredited by NAAC)

Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai  
Siruganur, Trichy-621105

## **List of Faculty provided with financial support to attend conferences/workshop**

### **Academic Year 2017-2018**

<b>S.No</b>	<b>Name of the Faculty</b>	<b>Department</b>	<b>Name of conference/ workshop attended for which financial support provided</b>	<b>Amount</b>
<b>1</b>	K. Chandrasekaran	Aero	National Conference on Advancements in Mechanical Manufacturing & Civil Engineering	Rs.300/-
<b>2</b>	K. Chandrasekaran	Aero	National Conference on New Scientific Creationsl In Engineering and Technology	Rs.300/-
<b>3</b>	K. Chandrasekaran	Aero	National Conference on New Scientific Creationsl In Engineering and Technology	Rs.300/-
<b>4</b>	K. Chandrasekaran	Aero	International conference on Newer Engineering concepts& Technology-2k18	Rs.300/-
<b>5</b>	T.Ashok	ECE	International conference on Modern trends in Engineering & Research	Rs.300/-
<b>6</b>	R.Ramanathan, P.Ranjithkumar	MECH	National Conference on New Scientific Creationsl In Engineering and Technology	Rs.600/-
<b>7</b>	K. Chandrasekaran R.Ramanathan	MCT/MECH	National Conference on New Scientific Creationsl In Engineering and Technology	Rs.600/-
<b>8</b>	R.Ramanathan, K. Chandrasekaran	MCT/MECH	International Conference on Recent advancements in Information Technology Science & Engineering.	Rs.600/-
<b>9</b>	Chandramohan M	MCT	International Conference on Recent advancements in Information Technology Science & Engineering.	Rs.750/-
<b>10</b>	R.Muruganandham	CSE	Workshop on Python Prrogramming	Rs.300/-
<b>11</b>	Deepika.B	CSE	Workshop on Python Prrogramming	Rs.300/-
<b>12</b>	E.Priyanka	CSE	Workshop on Python Prrogramming	Rs.300/-

# Certificates







Theni Melapettai Hindu Nadargal Uravinmurai

## NADAR SARASWATHI COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai  
An ISO 9001 : 2015 Certified Institution  
Annamalapuram, Vadaspudupatti, Theni - 625 531.

### National Conference on NEW SCIENTIFIC CREATIONS IN ENGINEERING AND TECHNOLOGY **NSCET -2K18**

## CERTIFICATE

This is to certify that Mr./~~Ms.~~/Dr. CHANDRASEKHARAN.K  
of M.A.M. SCHOOL OF ENGINEERING has participated /  
Presented a paper titled INVESTIGATION OF DISSIMILAR  
MATERIAL JOINT WELD FOR BOILER PANELS  
in "National Conference on New Scientific Creations in Engineering and Technology"  
organized by the Department of Mechanical Engineering on 16<sup>th</sup> March 2018.

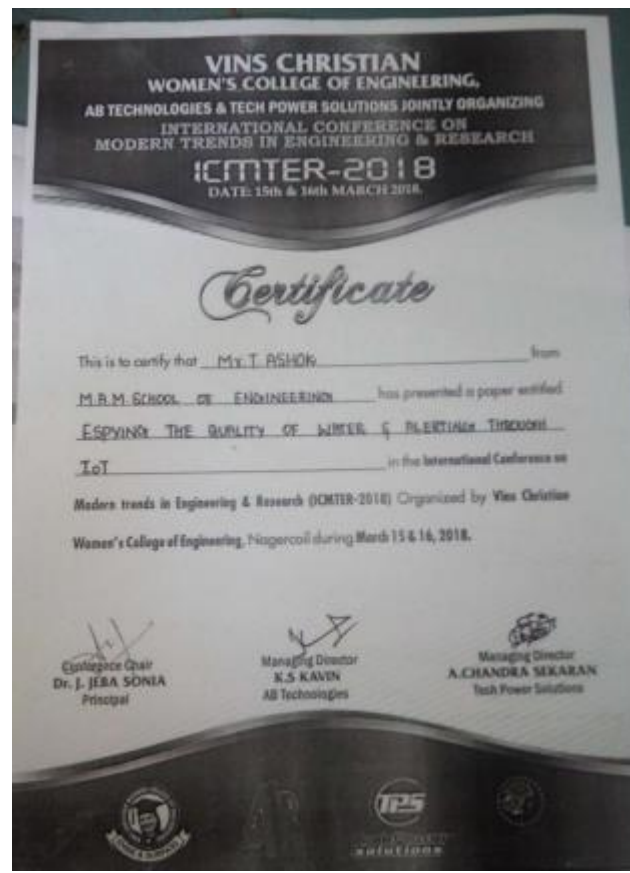
M. K. Pradeep, M.E., M.Tech.,  
Coordinator - Conferences

M. A. Suresh, M.E., M.Tech.,  
Coordinator - Conferences

M. S. Sundar, M.E., M.Tech.,  
MSc / MPhil, RSCET

Dr. C. Mathalai Sundaram, M.E., M.B.A., Ph.D., MISTE,  
Principal, NSCET

Mr. K.S. Kani Prabhukumar, B.Sc.,  
Joint Secretary, NSCET





Theni Melapettai Hindu Nadargal Uravimurail

## NADAR SARASWATHI COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai  
An ISO 9001 : 2015 Certified Institution  
Annanjilpet, Vadapudupatti, Theni - 625 531.

### National Conference on NEW SCIENTIFIC CREATIONS IN ENGINEERING AND TECHNOLOGY NSCET - 2K18

#### CERTIFICATE

This is to certify that Mr. M. M. M. P. RAJITHKUMAR  
of M.A.M. SCHOOL OF ENGINEERING, TRILBY has participated /  
Presented a paper titled RAPID PROTOTYPE OF AN ANTERIOR  
BONE REGENERATION USING 3D PRINTING TECHNOLOGY  
in 'National Conference on New Scientific Creations in Engineering and Technology'  
organized by the Department of Mechanical Engineering on 16<sup>th</sup> March 2018.

M. R. Prabhakar, M.Tech.,  
Coordinator - Conference

M. J. Banupathi, M.Tech.,  
Incharge - Conference

M. A. Vasanthakumari, M.Tech.,  
MS / MTS, 2017

Dr. C. Mathulal Sundaram, M.E., M.S.A., Ph.D., MITS,  
Principal, NSCET

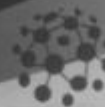
Mr. K.S. Kasi Prabhakar, B.Sc.,  
Joint Secretary, NSCET





# CERTIFICATE

OF PRESENTATION



## IFERP


connecting engineers...developing research



### International Conference on Recent Advancements in Information Technology, Science & Engineering (ICRAITSE-17)

14<sup>th</sup> and 15<sup>th</sup> December 2017, Thoothukudi

This is to certify that **Ramanathan.R**  
of **M.A.M.School of Engineering** presented his/her research  
paper titled **Study, overview and implementation of MEMS based Micro factory for sustainable manufacturing  
system in 2020**  
during the International Conference on  
"Recent Advancements in Information Technology, Science & Engineering (ICRAITSE-17)" held at A.P.C.Mahalaxmi College for  
Women, Thoothukudi on 14<sup>th</sup> and 15<sup>th</sup> December 2017.

  
**Mr. Rudra Bhanu Satpathy**  
Director  
IFERP



  
**R. C. Vasuki**  
**Dr. R. C. Vasuki**  
Principal  
APCMCW, Thoothukudi

  
**Prof. V. Shyamala Susan**  
HOD of CS Dept,  
APCMCW, Thoothukudi

### International Conference on Recent Advancements in Information Technology, Science & Engineering (ICRAITSE-17)

This is to certify that **K.Chandrasekaran**  
of **M.A.M.School of Engineering** presented his/her research  
paper titled **Fabrication and Optimization of MEMS based Micro Grinder**  
during the International Conference on  
"Recent Advancements in Information Technology, Science & Engineering (ICRAITSE-17)" held at A.P.C.Mahalaxmi College for  
Women, Thoothukudi on 14<sup>th</sup> and 15<sup>th</sup> December 2017.

  
**Mr. Rudra Bhanu Satpathy**  
Director  
IFERP



# CERTIFICATE

OF PRESENTATION



## IFERP

connecting engineers...developing research



### International Conference on Recent Advancements in Information Technology, Science & Engineering (ICRAITSE-17)

14<sup>th</sup> and 15<sup>th</sup> December 2017, Thoothukudi

This is to certify that R.Ramanathan  
of M.A.M.School of Engineering presented his/her research  
paper titled Fabrication and Optimization of MEMS based Micro Grinder  
during the International Conference on  
"Recent Advancements in Information Technology, Science & Engineering (ICRAITSE-17)" held at A.P.C.Mahalaxmi College for  
Women, Thoothukudi on 14<sup>th</sup> and 15<sup>th</sup> December 2017.

Mr.Rudra Bhanu Satpathy  
Director  
IFERP



R.C.Vasuki  
Dr.R.C.Vasuki  
Principal  
APCMCW, Thoothukudi

Prof.V.Shyamala Susan  
HOD of CS Dept.  
APCMCW, Thoothukudi





# HANDS-ON WORKSHOP ON PYTHON PROGRAMMING



Organized by Centre for Academic Courses, Anna University, Chennai  
Sponsored by Centre for Faculty Development, Anna University, Chennai

This is to certify that Dr. / Mr. / Ms. E. Priyanka  
M.A.M. School of Engineering, Trichy has participated  
in the two days Hands-on Workshop on Python Programming, held  
during 28<sup>th</sup> & 29<sup>th</sup> August, 2017 at University College of Engg.,  
Bharathidasan Institute of Technology, Tiruchirappalli

Dr. K. Shanthi  
Director  
Centre for Faculty  
Development

Dr. A.P. Shanthi  
Chairperson  
Faculty of Information and  
Communication Engineering

Dr. T.V. Geetha  
Director  
Centre for Academic  
Courses

# Vouchers



## M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

### VOUCHER

Date : 16/3/2018

A-No.

Name : P. RANJITHKUMAR

Received Rupees : Three hundred only

Bill Ref :

Towards : National Conference

A/c Head :

₹ 300/-

Approved

Signature

OS

Principal

Correspondent



## M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

### VOUCHER

Date : 16/3/2018

A-No.

Name : K. Chandrasekaran

Received Rupees : Three hundred only

Bill Ref :

Towards : National Conference

A/c Head :

₹ 300/-

Approved

Signature

OS

Principal

Correspondent



# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 14/12/2017

Name : K. CHANDRASEKARAN

Received Rupees : Three hundred only

Bill Ref :

Towards : International Conference

A/c Head :

₹ 300/-

Approved

Signature

OS

Principal

Correspondent



# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 14/12/2017

Name : K. CHANDRASEKARAN

Received Rupees : Three hundred only

Bill Ref :

Towards : International Conference

A/c Head :

₹ 300/-

Approved

Signature

OS

Principal

Correspondent





# M.A.M SCHOOL OF ENGINEERING

Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105.

## VOUCHER

A-No.

Date : 23/3/2018

Name : K. Chandrasekaran

Received Rupees : Three hundred only

Bill Ref :

Towards : International Conference

A/c Head :

₹ 300/-

Approved

Signature

OS

Principal

Correspondent

# **Auditor Statement**