

SARANATHAN COLLEGE OF ENGINEERING

VENKATESWARA NAGAR, PANJAPPUR TIRUCHIRAPPALLI – 620012 (APPROVED BY AICTE, NEW DELHI) (AFFILIATED TO ANNA UNIVESITY, CHENNAI)

CRITERION 5

5.3.3 - EVENTS IN WHICH STUDENTS OF THE INSTITUTION PARTICIPATED



SARANATHAN COLLEGE OF ENGINEERING

VENKATESWARA NAGAR, PANJAPPUR TIRUCHIRAPPALLI – 620012 (APPROVED BY AICTE, NEW DELHI) (AFFILIATED TO ANNA UNIVESITY, CHENNAI)

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CRITERION 5 - 5.3.3 – EVENTS IN WHICH STUDENTS OF THE INSTITUTION PARTICIPATED

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ACADEMIC YEAR 2017 - 2018

CIVIL

COLLEGE OF ENGINEERING

eswara Nagar, Panjappur, Tiruchirapalli-12

Certificate of Appreciation

certify that, Mr/Ms. OSENTHILKUMAR. A

artment of CIVIL ENGINEERING

has actively participated in the one day workshop titled,

"IMPACT" conducted on 14-03-2019.

Munda

Co-ordinator

Head
Training and Placement













This Certificate is awarded to Mr/Ms. BALA SUBRAMANIAN. P year, from <u>saranathan</u> <u>college of sngineering</u>has in wo.kshop on TALL STRUCTURES done an active participation conducted by the Society of Civil Engineers in CIVILISATION'19 at College of Engineering Guindy, Anna University on March 5,2019.

I Reh from Among.

Dr.G. Beulah Gnana Ananthi Treasurer

> Society of Civil Engineers, Anna University, Chennai-25

Dr. K. C. Pazhoni Pre ident

Society of ivil Englieers, Anna Univer ity, Chemnai-25

Dr. R. Seathil Professor and Head

Department of Civ Engineering. Anna University Thennai-25

Corporate Co-Spensor



Tit: sponsor

&T ∴onstruction



S.RAJKUMAR, B.E., M.Sc.(Val), M.I.E., F.I.V., M.I.C.A.,

Chartered Engineer (India), Panel Valuer of SBI, SBT, UBI, BOI, IOCL, Dena Bank, OBC, Registered Valuer of Income Tax, Licensed Surveyor, Govt. Approved Panel Engineer - Class IA



No.2, V.N. Nagar, Karur Bye Pass Road, Chathiram Bus Stand, Trichy - 620 002.

Mobile: 98424 91900, 95665 64900 Email:trichyhomes@yahoo.com trichyvaluer@yahoo.com

Date: 10.12.2018

CERTIFICATE

This is to certify that Mr/Ms. V. SRINIVASHINI, Studying B.E. - Branch: Civil Engineering III 2018 Year, Student of Saranathan College of Engineering. Tiruchirappalli has undergone In plant Training - in Building construction Activities, Basic Plan approval acts/ rules, Preparation of Building Approval plan, etc. from 6.12.18 to 08.12.18 at M/s. Home Makerss, Construction Office, Trichy.

For Home MAKERSS,

(Rajkumar. کجب

Er. S. RAJKUMAR, B.E., M.I.E., F.I.V., M.I.C.A., CHARTERED CIVIL ENGINEER, REGISTERED VALUER OF INCOME TAX, GOVT, APPROVED PANEL ENGINEER, LICENSE : SURVEYOR, PANEL VALUER FOR BANKS, 2, V.N. NAGAR, NEAR ATLAS HOSPITAL, KARUR BYE-PASS ROAD, CHATHIRAM BUS STAND, TRICHY - 2.

MOBILE: 98424 91900



ENGINEERS & BUILDERS (P) .TD.

Registered Office:

#11B/6A, Jan Towers, Sasthri Road, Thillai Nagar, Trichy - 620 018 info@yesstech.in

Branch Office:

A6, Surya Garden, Bharathi Colony, Perlamedu, Coimbatore-641004 PH: 0422 2560306

TO WHOMSOEVER IT MAY CONCERN

CERTIFICATE

This to certify that Mr.A.S.ASHWIN, student of SARANATHAN COLLEGE OF ENGINEERING has undergone In-plant training in our organization on the concept of "Precast concrete construction methodology, Structural design and detailing basics" under the guidance of Er.P.L.SWAMYNATHAN, ME., MISE., from <u>04-12-2018</u> to <u>08-12-2018</u>.

During his training period, we found him as a Keen and Enthusiastic learner.

For YESSTECH ENGINEERS & BUILDERS PVT LTD.,

PL. Swamparhal. PL.SWAMYNATHAN, ME., MISE., Chartered Structural Engineer, License No:110/2017-18 #11b/6a.JAN Towers, Shastri Road

Thillainagar, Trichy-620 018.

P.L. Swamynathan,

Director.















Certificate Of Participation

This Certificate is proudly presented to R. VIJAYA SHANTHI OSSABANATHAN COLLEGE OF ENGG. for participating in the Analysis of Accidents using SPS Software Morkshop organised during Moments'18.

> The National level Symposium of The Department Of Civil Engineering NIT Tiruchirappalli On 6th October 2018

FACULTY ADVISOR



SSN COLLEGE OF ENGINEERING

Rajiv Gandhi Salai, Kalavakkam-603 110



CERTIFICATE OF PARTICIPATION

This is to certify that Mr	C./MS. R. HARISH				
Of SARANATHAN COLLE	GE OF ENGINEERING	has attended			
Advanced Survey	ring Instrument	workshop organized by			
SSN COLLEGE OF ENGINEERING on215 \rightarrow September 2018, as a part of INVENTE - A National Level Techfest.					
	evice recificat,				

Faculty Co-ordinator



≯ ∠ _{≽.} HOD



ALAGAPPA CHETTIAR GOVERNMENT COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

KARAIKUDI - 630 003

CIVIL ENGINEERING ASSOCIATION A NATIONAL LEVEL TECHNICAL SYMPOSIUM

SPONSERED BY TEQIP - III



THE ERA OF EXCELLENCE

Faculty Incharge
(Dr. S.R. Sumathy)

Professor & Head

(Prof. G. Panneerselvam)

Principal
(Dr. A. Elango)

ALAGAPPA CHETTIAR GOVERNMENT COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

KARAIKUDI - 630 003

CIVILENGINEERING ASSOCIATION A NATIONAL LEVEL TECHNICAL SYMPOSIUM

SPONSERDED BY TEQIP - III



This is to certify that	Mr. / 9ts. B. GOKU	L	has won the
SECOND	Prize in the event	PROFOUND SURVEYOR	, arranged at
National Level Techn	ical Symposium CESAR 27	K18 held in the Department of Civil	Engineering,
Alagappa Chettiar Go	vernment College of Engine	ering and Technology , Karaikudi (on 20 ^u September,2018

Faculty Incharge

(Dr. S.R. Sumathy)

Professor & Head

(Prof . G . Panneerselvam)

(Dr . A . Elango)

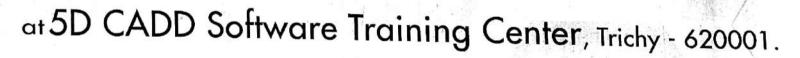




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Mr/Ms SHERLY AGNES A

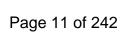
OF CIVIL DEPARTMENT HAS UNDERGONE



From 31/08/2018 To 02/09/2018







CSE



SRM-TRP ENGINEERING COLLEGE (SRM-TRPENGIUE Tienchiteappalli - 621 105.



www.trpengg.ac.in

In Collaboration with THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS (IETE





Certificate

This is to certify that Mr / MsA: SIVA KVMAR	
ofSARANATHAN COLLEGE OF ENGINEERING	has
won I/ II/III Prize for the project entitled HUMAN BEING	en en proposition de la company de la co La company de la company de La company de la company de

in "TEKMAZE'2018", A National Level Project Contest held on 23rd March 2018.













Velammal College of Engineering and Technology



Viraganoor, Madurai - 625009
(Accredited with W grade by NAAC)
(Accredited by NBA, New Delhi for B.Tech-IT, B.E. - CSE, ECE, EEE & MECH)
Department of Information Technology
ISTE (TN&P) SPONSORED

Connibration of Thems

This is to certify that Mr. / Ms. VIGNESHWAR A

Saranathan College of Engineering
has won first /Second / Third Prize in the App Development contest in App Carnival,
A National Level Mobile development contest conducted on 16th March 2018 by

the Department of Information Technology, Velammal College of Engineering and Technology, Madurai.

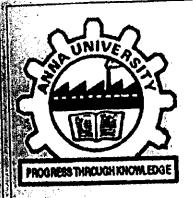
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Dr.R.Kavitha Organizer, Professor/IT Dr. R. Perumahaja Convenor, HoD/II

Dr. P. Alli

Principal

Page 14 of 242



UNIVERSITY COLLEGE OF ENGINEERING ANNA UNIVERSITY, BIT CAMPUS TIRUCHIRAPPALLI - 620 024



DEAN

CORTION CANDE OF ANDERECUATION

This is to certify that Mr./Ms.	P. SIVARAJ	of _	SARANATHAN
COLLEGE OF ENGG, TR	ину has p	articipated	/ won I / II / III -
prize in the event	(ODE STO	RM	
in National Level Technical Syr of Computer Science and Engin Tiruchirappalli during 1st and 2r	eering, Anna Un		
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This is to certify that M+/Ms S. DHI	IV/A
OF SARANATHAN COLLEGE OF ENGL	
has participated Won in place in	CHATTER BOX PULZATE(7E2)
(National Level Technical Symposium	organized by Department of
21 The state of th	n 8th and 9th February 2018



President



Co-ordinator

Head Of the Department















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Commu	ter Science and	Engineering (m 8th and 9th-1	February 2018





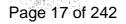
















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Cor	mputer Scie	nce and Eng	reerto o	n 8th and	H. Lebyuar	y 2018



Co-ordinator



Head Of the Department















This	is to certif	y that M r/Ms				
豫品图 1.31 文 1.1 2 1.	CC - 计基制器抽题函数的公路 新发生			ob and		in the state of th
Fig. 12 St. 14 Jan. 1911 151		**************************************	COUNTY OF BUILDING SHOULD BELLEVIS TO SEE	4、7),在《周围的: 14.6920 7、6.7020 A. C. G. B.	1464	(F2)
nas p						EZ)
(A	Carlon J.		3/11/2003/11	Termina y	Department o	
		GENGE OVER	oia eerin o	n 8th an d 9th	February 2018	







€o-ordinator

Head Of the Department













JAMAL MOHAMED COLLEGE(Autonomous)
College with Potential for Excellence
Re-Accredited (3rd Cycle) with 'A' Grade by NAAC
(Affiliated to Bharathidasan University)
Tiruchirappalli-620 020, Tamil Nadu



CERTIFICATE

This is to certify that Mr./Ms. DHEEPA PRIVAN. M.

of SARBNATION COLLEGE OF ENGINEERING, TRICHY
has participated in SUFF EKIZ, conducted by the PG & Research
Department of Computer Science, Jamal Mohamed College
(Autonomous), Tiruchirappalli on 9th & 10th October 2017.

He/She has won Mannier place in the event Brain Buzzer.

J. If bulle you -STAFF IN-CHARGE CONVENER

PRINCIPAL









CERTIFICATE OF MERIT

This is to certify that Mr./Ms Du	EEPA PRIYAN	******************	of
SARANATHAN COLLEGE OF ENG	GINEERING	*****************	has secured
	place in ,.	BEAT THE B	vs
Event in National Leve	el Technical syr	nposium ITrix'	18 organised
by Department of Information Science	and Technology	of CEG, Anna	University on
	₩	*	

A.OD, DIST

PRESIDENT, ISTA

B. Marety CHAIRMAN, ISTA









A CREATIVITY MEET

CERTIFICATE OF MERIT

This is	to Certify	that Mr	/Ms^	L. Dhoo	pa Paryan	
of	Sarana	than	College	of E	nginessing_	
7	rticipated		Y		•	·
and wo	n <u>I</u>	place, h	eld on 12	h Februe	ary 2018.	

CONVENER

HOD A

PRINCIPAL







CERTIFICATE OF MERIT

This is to certify the	at Mr./Ms. MOHAMMED IMRAN	of
SARANATH	IAN COLLEGE OF ENGINEERING	has secured
**************************************	und place in	
Even	t in National Level Technical sympo	
by Department of Info	rmation Science and Technology of	CEG, Anna University on
9, 10 Feb 2018.		
HOD, DIST	PRESIDENT ISTA	B. Mand Sy
HOD, DIST	PRESIDENT, ISTA	CHAIRMAN, ISTA









CERTIFICATE OF MERIT

This i	s to certify that Mr./ Ms	of
	SARANATHM COLLE	MEOFE.N.MIME.ERINM has secured
**********	ting the second of the second	place in
******	Event in National	Level Technical symposium ITrix'18 organised
by Der	partment of Information Scien	nce and Technology of CEG, Anna University on
9, 10 F	eb 2018.	

HOD, DIST

PRESIDENT, ISTA

CHAIRMAN, ISTA









CERTIFICATE OF MERIT

This	is to certify that Mr./MsARUNBALFIIk
******	SARANATHAM COLLEME OF ENMINEERING has secured
*****	place in
******	Event in National Level Technical symposium ITrix'18 organised
by D	epartment of Information Science and Technology of CEG, Anna University on
9, 10	Feb 2018.

HOD, DIST

PRESIDENT, ISTA

CHAIRMAN, ISTA









CERTIFICATE OF MERIT

This is to c	ertify that Mr	Ms. ARUN BALAJI		
SARAN	VATHAN COLL	EGE OF ENGINEERING	hac	secured
************************	WT78	place in	BEAT THE BUG	secureu
**********	Event in N	ational Level Technical syn	nposium lTrix'18 oı	rganised
by Departme		on Science and Technology		and the state of t
9, 10 Feb 201	8.			

A.A. HOD, DIST

PRESIDENT, ISTA

B. Marista

CHAIRMAN, ISTA



JAMAL MOHAMED COLLEGE (Autonomous) College with Potential for Excellence Re-Accredited (3rd Cycle) with 'A' Grade by NAAC (Affiliated to Bharathidasan University) Tiruchirappalli-620 020, Tamil Nadu





This is to certify that Mr./Ms. ARUN BALATI K.

of SARANATHAN COLLEGE OF ENGINEERING, TRICHY
has participated in **SWFF EKIZ**, conducted by the PG & Research
Department of Computer Science, Jamal Mohamed College
(Autonomous), Tiruchirappalli on 9th & 10th October 2017.

He/She has won WINNER place in the event **Ouiz**.

J. J. Julia 2014. STAFF IN-CHARGE

CONVENER

PRINCIPAL

TALENTS THRILLED...

Page 27 of 242

J.J. College of Engineering and Technology

(An ISO 9001 - 2008 Certified Institution) Tiruchirappalli-620009



Computer Neurons Association





CERTIFICATE

OF APPRECIATION

This is to certify that

Mr./Ms. K. ARUNBALAJI

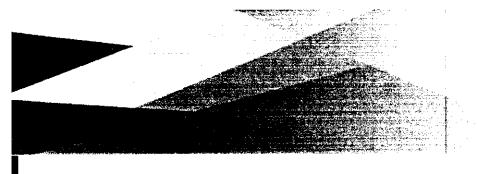
of ...S.ARANATHAN...LOLLEGE.OF..ENGG. College has secured Ist/Hnd/IHrd position in the event ...LODE MANZA......held on 6th October, 2017

at JJCET.

President/CNA

Convenor

Principal





ACCREDITED WITH "A⁺" GRADE BY NAAC,
APPROVED BY AICTE, NEW DELHI AND AFFILIATED TO ANNA UNIVERSITY

Canagagaram, Thualdrapalli-621 i 12.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Inter College Coding Contest

CODEX' 17

Certificate

This is to certify that Mr./Ms. K. ARUN BALAZI

of SARANATHAN COLLEGE OF ENGINEERING

has participated in "CODEX'17"-INTER COLLEGE CODING

CONTEST held on 27th September 2017 and won Indee.

> ≠ _2_ Co-Ordinator HoD

Principal







CERTIFICATE OF MERIT

This is to certify th	at Mr./Ms. EASHWAR	of
	HAN COLLEGE OF ENGINEERIN	
***************************************	und place in	INNOVATE
Ever	nt in National Level Technical symp	oosium ITrix'18 organised
by Department of Info	ormation Science and Technology of	f CEG, Anna University on
9, 10 Feb 2018.		
HOD DIST	PRESIDENT, ISTA	B. Manding



JAMAL MOHAMED COLLEGE (Autonomous) College with Potential for Excellence Re-Accredited (3rd Cycle) with 'A' Grade by NAAC (Affiliated to Bharathidasan University) Tiruchirappalli-620 020, Tamil Nadu



CERTIFICATE

This is to certify that Mr./Ms. ARUN BRIDGE MODELLEGE OF ENGINEENTING, TRECHY.

of SPRENDATHEN COLLEGE OF ENGINEENTING, TRECHY.

has participated in SUFF EKIZ, conducted by the PG & Research

Department of Computer Science, Jamal Mohamed College

(Autonomous), Tiruchirappalli on 9th & 10th October 2017.

He/She has won MINNER place in the event DEBUGGENG

The Labor STAFF IN-CHARGE

CONVENER

PRINCIPAL

TALENTS
THRILLED...



APPROVED BY AICTE, New Delhi and Affiliated to Anna University, Chennai)



Thennilai, Karur-639206.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING Fabulous Association of Computer Engineers



National Level Technical Symposium



This is to certify that Mr./Ms. T. ASHIKA Of CSE from SARANATHAN COLLEGE OF ENGINEERIN has won...Zrd...prize in the event .M.R.RILE. APPLICATION...DEVELOPMEN on the occasion of 3rd National Level Technical Symposium GIFT'18 held at Arulmurugan College of Engineering on 3rd February 2018.



ARULMURUGAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai, an ISO Certified institution)



THENNILAI, KARUR-639206.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Gabfest for Intellect Furious Techie'18

3rd National Level Technical Symposium



K. KL CONVENOR



PRINCIPAL



JAMAL MOHAMED COLLEGE(Autonomous) College with Potential for Excellence Re-Accredited (3rd Cycle) with 'A' Grade by NAAC (Affiliated to Bharathidasan University) Tiruchirappalli-620 020, Tamil Nadu



CERTIFICATE

This is to certify that Mr./Ms. BALATI. R

of SARANATHAN COLLEGE OF ENGINEERING, TRICHY

has participated in SWPF EKIZ, conducted by the PG & Research

Department of Computer Science, Jamal Mohamed College

(Autonomous), Tiruchirappalli on 9th & 10th October 2017.

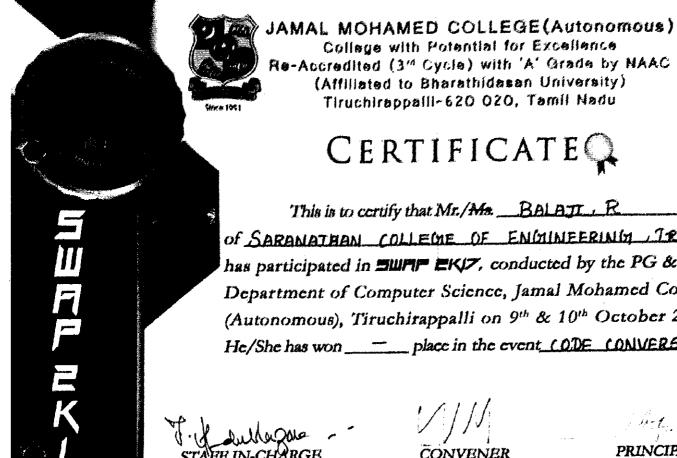
He/She has wonwinner, place in the event Ouiz.

F. J. Julazov.

CONVENER

PRINCIPAL

TALENTS





CERTIFICATE

This is to certify that Mr./Ma __ BALATI . R OF SARANATHAN COLLEGE OF ENGINEERING TRICHY has participated in SUMP EKIZ, conducted by the PG & Research Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli on 9th & 10th October 2017. He/She has won ____ place in the event_CODE_CONVERSION_

THLENTS THRILLED



JAMAL MOHAMED COLLEGE (Autonomous)

College with Potential for Excellence Re-Accredited (3rd Cycle) with 'A' Grade by NAAC (Affiliated to Bharathidasan University) Tiruchirappalli-620 020, Tamil Nadu

CERTIFICATE

This is to certify that Mr./Ms. BALAJI . R OF SARANATHAN COLLEGE OF FNOINFERING TRICHY has participated in SUPP EKIZ, conducted by the PG & Research Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli on 9th & 10th October 2017. He/She has won WINER place in the event BRAIN BUZZER

TALENTS THRILLED...











Cultural Organization

AN INTERNATIONAL
TECHNO
MANAGEMENT FEST
UNDER THE PATRONAGE OF

CERTIFICATE OF MERIT

This is to certify that Mr. /Ms. BALATI · R

SARA NATH AN COLLEGE OF ENGINE FING has a part of Kurukshetra 2018 at College of Engineering

Anna University between January 31 and February 3, 2018.

Dr. T. V. GeethaDean,

College of Engineering Guindy.



PAVAI COLLEGE OF TECHNOLOGY

NH-44, Pachal, Namakkal – 637 018, Tamilnadu, India.

Departments of Civil, CSE, ECE, EEE, Mech & Mechatronics Jointly Present

NATIONAL LEVEL TECHNICAL SYMPOSIUM

TechMandra'18

This is to certifiy that M	r./Ms. <u>D. KIRUTHIKA</u>	ii) - CSE
SARANATHAN CO	PLIEGE OF ENGI	NEERIN G
won II - PRIZE	/ participated in _ PAPER	PRESENTATION
	in the National Level Techni	cal Symposium, TECHMANDRA'18,
held on 17 th February 2018.		
		a coff six
My-		
Convenor	Principal	Chairman

Chairman

TechMandra'18



PAVAI COLLEGE OF TECHNOLOGY

NH-44, Pachal, Namakkal - 637 018, Tamilnadu, India.

Departments of Civil, CSE, ECE, EEE, Mech & Mechatronics

Jointly Present

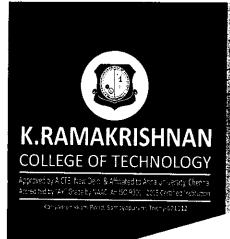
NATIONAL LEVEL TECHNICAL SYMPOSIUM

TechMandra'18

This is to certifiy that Mr. / Ms. K. MADHUMITHA, III - CSE						
SARANATHAN	(OLLE GIE	OF E	NOUNE	RING		
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held on 17 th February 2018.					.4 2	
					i i	
D.		B. I				

Principal

Chairman





DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CreoScadZ'18

A CREATIVITY MEET

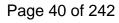
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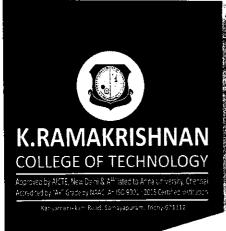
This is to Certify that Mr/Ms. MATHUMITHA. K
OF SARANATHAN COLLEGE OF ENGINEERING
has participated in the event
and won place, held on 12th February 2018.

CONVENER



PRINCIPAL







CreoScadZ'18

A CREATIVITY MEET

CERTIFICATE OF MERIT

This is to Certify that Mr/Ms. KIRUTHIGA D
OF SAPANATHAN COLLEGE OF ENHINEERING
has participated in the event
and won place, held on 12 th February 2018.

CONVENER



PRINCIPAL

KQ



PANIMALAR INSTITUTE OF TECHNOLOGY



Department of Computer Science and Engineering Accredited by National Board of Accreditation(NBA)



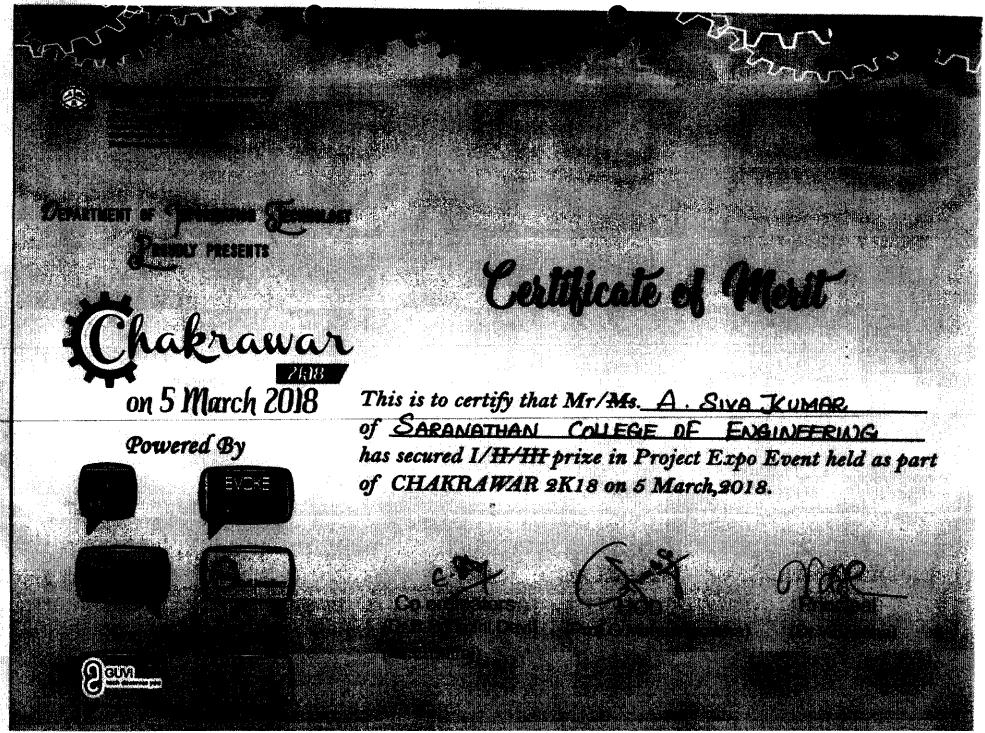
National Level Technical Symposium

PRAYUDH'18

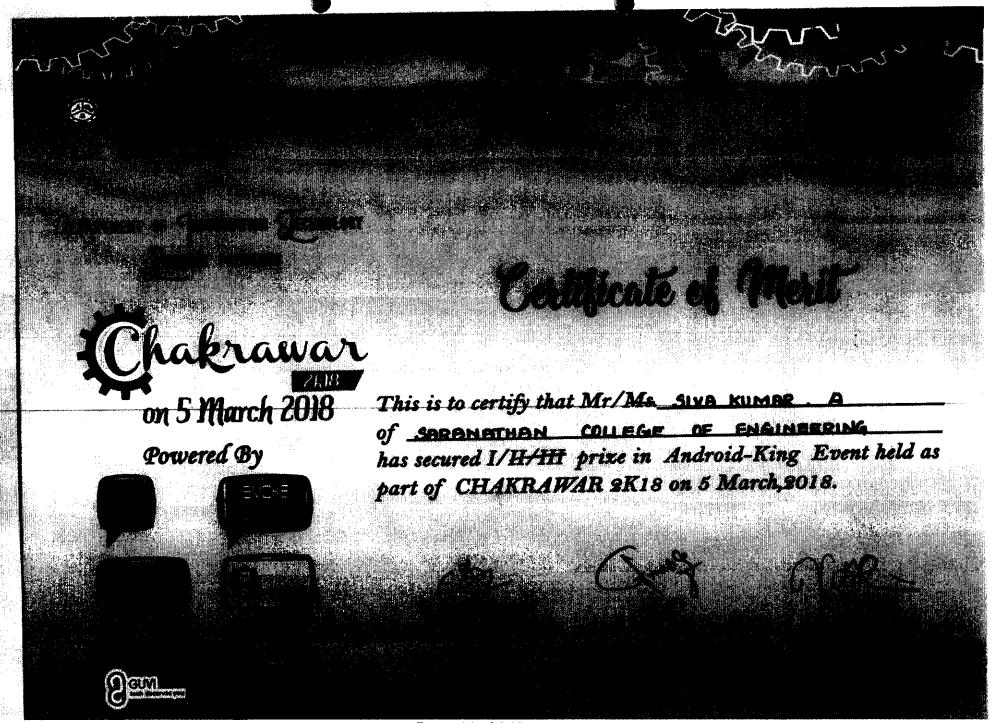
CERTIFICATE OF MERIT

This is to cer	tify that Mr./Ms.	A SIVA	KUMAR	
of SARANATHAN	l college of	ENGINE	ERING	
has secured	prize in	PROTECT	EXPO	
held as a part of the N	lational Level Tech	nnical Symposi	um- PRAYUDH'18	on 21st February 2018.
イー らいし HOD (Dr. V. Subedha)		T ACADEAA	V as IEEE	PRINCIPAL (Dr. T. Jayanthy)

nnovate... Collaborate... Educate..



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ECE



TIRUCHENCODE - 687 215, TAMIL NADU, INDIA



ICMR Sponsored National Symposium on

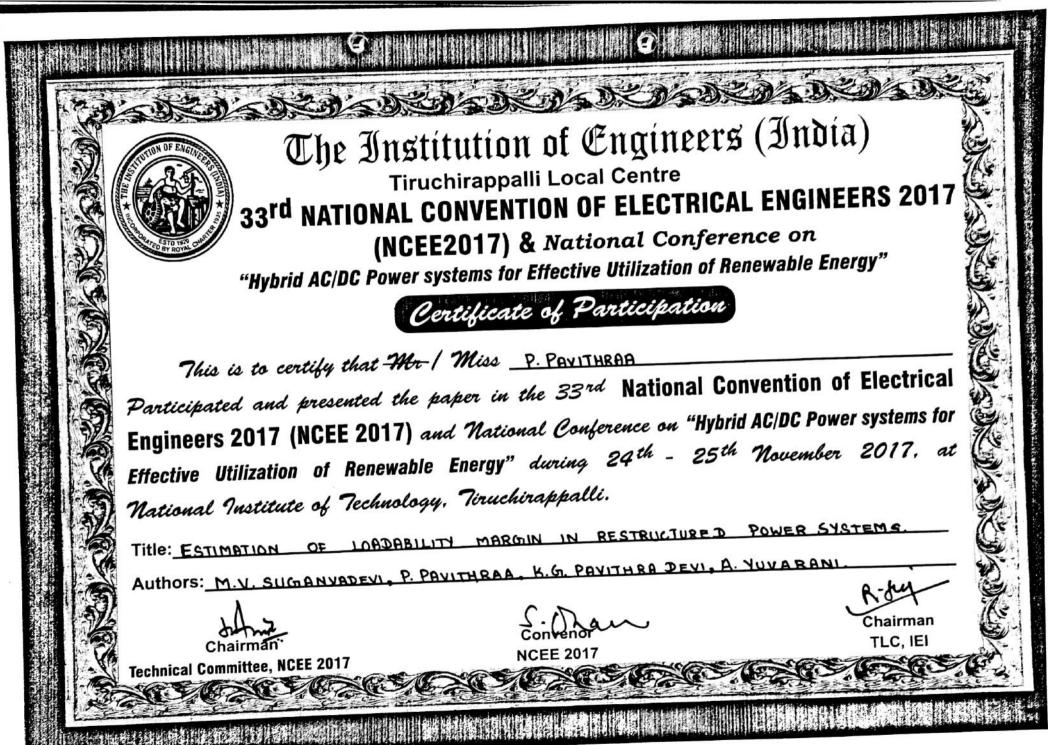
Internet of Things: Unlocking New Solutions in HealthCare

Certificate of Appreciation

	This is to certify that Mr/Ms	MEENATCHI				_ of
SARANATH COLLEGE OF	ENGINFERING	has	won	FIRST	PRIXE	
in PAPER PRESENTA		in ICMR_spons	ored I	Vational.	Symposiu	m on
"Internet of Things: Unlock		thcare"organised by	у Дер	artment	of Electr	onics
and Communication Engineeri	ng and IEEE EMBS during 1.	3 th & 14 th October,	2017			



Principal





KonSunadu COLLEGE OF ENGINEERING & TECHNOLOGY



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
(Accredited by NAAC with B++ Grade, An ISO 9001:2000 Certified Institution)
Namakkal - Trichy Main Road, Tholurpatty - 621 215, Thottiam Taluk, Trichy.

NATIONAL LEVEL, TECHNICAL SYMPOSIUM 2K'17

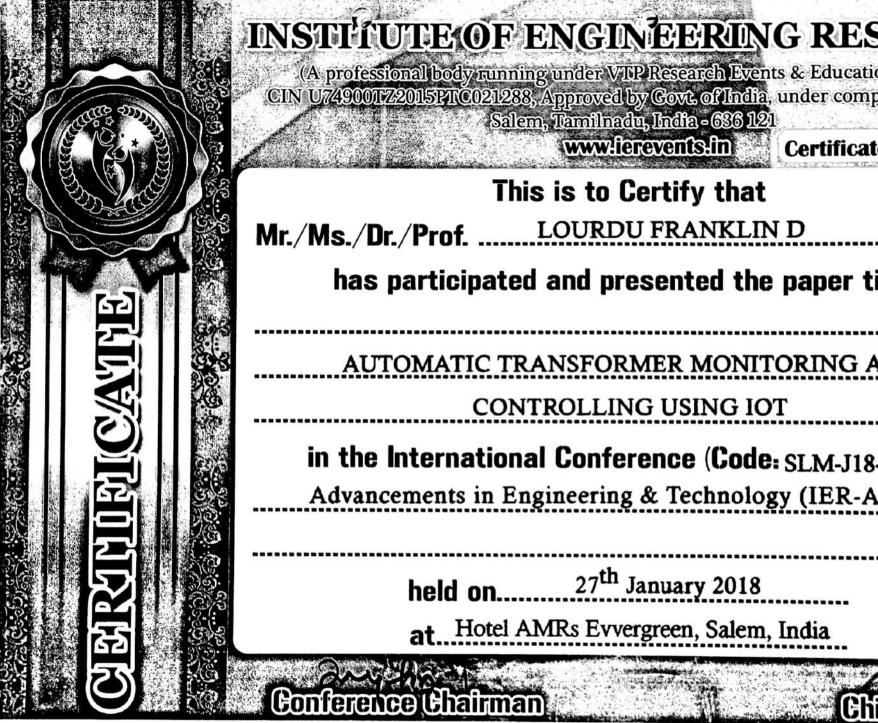
Certificate

This is to certify that Mn/Mrs./Ms. K. Abinaya
of Saranathan College of Engineering
has won the First / Second / Third place in the event / paper presented on
AI in Electrical Engineering
one day National Level Technical Symposium - TEK CLUSTER'17 organized by the
Department of Flectrical & Flectronics Engineering
on 12 th August, 2017.

Organizer

Principal

Chairman



INSTITUTE OF ENGINEERING RESEARCH

(A professional body running under VTP Research Events & Education Pvt. Ltd., CIN U749001722015PTC021288, Approved by Govt of India, under companies act 2013)

Certificate No. O.LA.

has participated and presented the paper titled

AUTOMATIC TRANSFORMER MONITORING AND

in the International Conference (Code: SLM-J18-03) on

Advancements in Engineering & Technology (IER-AET'18)

Page 49 of 242



(Approved by AICTE, New Delhi & (Willated By Anna University, Chennal) Venkateswara Nagar, Panjapur, Tiruchirapalli-620012

Department of Electrical and Electronics Engineering

In association with



The Institution of Engineers (India), Kolkata

CERTIFICATE

This is to certi	ify that Mr./	/Ms	RANC	IS ADAIKA	ALA	RAJ.	A	Parti	cipated and
presented a Paper	entitled _	Auto	MATIC	ENERG	n.Y.	MATER	READING	SYSTA	.M
USING (GSM	MOD	=M_	F-5 1: 1 - 14 - 15 - 15 - 15 - 15 - 15 - 15 -					
in the National	Conference	on "Cu	ting Edg	e technologies	s in	Electrical,	Communication	and Soft	Computing
techniques" (NCC	EECS'18) he	ld on 9 th	March 20	18 organized by	y Dep	artment of I	EEE, Saranathan (College of E	ingineering,
Tiruchirapalli, und	er the spons	sorship o	The Inst	itution of Engir	neers	(India), Kol	kata.		

Dr.S.VIJAYALAKSHMI Organising Secretary

Dr.C.KRISHNAKUMAR
Professor & Head/EEE
Convener

Dr.D.V.ALAVAN
Principal

Scanned with CamScanner



ECHOWN

CERTIFICATE

International Conference on Modern Global Research in Engineering and Technology

Perambalur 10th March 2018

SARANATHAN COLLEGE OF ENGINEERING, TRICHY has done

his/her excellence is presenting research paper titled

GSM BASED AUTOHATIC ENERGY HETER READING SYSTEM.

..... at Perambalur 10th March 2018

Jan 1-1

SECRETARY



V. DOM

PROGRAM CHAIR



CERTIFICATE

OF SARANATHAN COLLEGE OF ENGINEERING

has participated in the Two Days INTERNATIONAL

CONFERENCE ON "CONTEMPORARY TOPICS IN

ELECTRICAL AND ELECTRONICS ENGINEERING"

from 27.02-2018 to 28-02-2018 Organized by

Department of Electrical and Electronics Engineering.

OF PARTICIPATION

This is to certify that

Rodli Gover | R. Pare | Beechwin

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K. Ramanh L

Organizing Secretary Dr.K.Ramash kumar

Dr. / Mr. / Ms. R. GIDKULAN

Dr.T.Rammohan

Principal Dr.P.Vijayakumar



Decennium Year 2017-2018

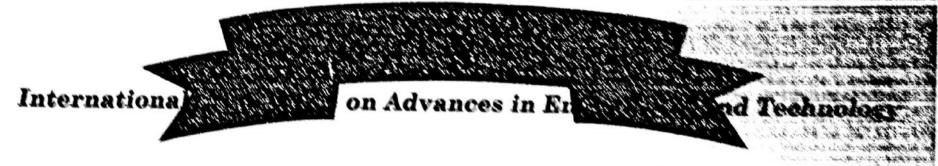
KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University)

(Established Under Section 3 of UGC Act, 1986)

Enchanari Post, Coimbatore - 641021, Tamilanda, India

Department of Mechanical Engineering



Organising Secretary

Convener



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1 R75 Lab

Department of Computer Science and Engineering Indian Institute of Technology Bombay Powni, Mumbai 406 676



Certificate of Participation

This is to certify that N Muthu Karuppan, a student of Saranathan College of Engineering, Tiruchirappalli has participated in the Regional Finals of the e-Yantra Ideas Competition (eYIC-2018) held at Dr. G R Damodaran College Of Summer. Coimbatore on Wednesday, 21st February 2018.

He/She is a member of the team having the following team members,

- 1. N Muthu Karuppan
- 2. Leo Aldrinraj A S
- 3. Madhanraj
- 4. G Manoranjan

Mentored By: Prof. Gayathri Natarajan

This team demonstrated the project titled "Apetual For Smart Casy Development (Air Pollution Control And Traffic Management Drone)".



Prof Kavi Arya

Principal Investigator, c Yantra

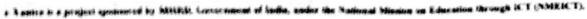
Preferent

Department of Computer Sesence and Engineering

Indian Institute of Technology Boustony



Nederland or the Committee Committee



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SARANATHAN COLLEGE OF ENGINEERING TRICHY – 620 012

IEI STUDENTS' CHAPTER

Department of Electrical and Electronics Engineering

Certificate

This is to certify that K.SUBALAKSHMI

has won the FIRST Place in the QUIZ COMPETITON conducted by IEI students' chapter on 15-09-2017 (Engineer's Day) at Saranathan College of Engineering.

Dr. C. Krishna Kamar (Head- Dept of EEE) Dr. D. Valavan
(Principal)



Certificate of Participation

UDHAYANIRANJANA. V III YEAR EEE

SARANATHAN COLLEGE OF ENGINEERING

TRICHY TAMILNADU

has participated in

NEW INDIA STUDENT CHAMPIONSHIP 2018

The Largest Learnathon of India

conducted on 03 Feb 2018.

Rajesh R Nambiar Salesforce Academic Alliance Regish Renderer

			RING COLLEGE TRONICS ENGINEERING
€ CERTIFI	CATE OI	PARTICI	PATION 6
Of SPRANDTHAN COLLEGE OF	nized as the po	art of the Nation	
Mrs.G.AngalaParameswari & Dr.S.P CO-ORDINATORS		Dr.S.Srinath HOD/EEE	Dr.N.Duraipandian PRINCIPAL





CERTIFICATE OF $\mathcal{P}_{\mathsf{ARTICIPATION}}$

I his is to certify that
Mr./Ms. C. SRI LAXMIE KRISHNA of
SARANATHAN COLLEGE OF ENGINEERING has
participated in the
by Currents '18, the national level technical symposium of the
Electrical and Electronics Department of National Institute of
Technology, Tiruchirappalli, held from 15th to 18th of February,
2018.

H. Ruturage.

Mr. H. Ruthrash Chairman, EEEA Chumarosan

Dr. N. Kumaresan Faculty Advisor, EEEA S. Indhy

Dr. S. Sudha HoD, EEE

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M.A.M. COLLEGE OF ENGINEERING

Accredited by NBA, Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai, An ISO 9001: 2008 Certified Institution, Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621105.



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

ELENTRUS - 2K18

CERTIFICATE

Th	is is to certify that Mr./Ms	J. Sherrin Banu	of
Sara	anathan College of	Engg. Taichy	_ has participated in the event
of	Juscogle it		
and secured	nd prize in " ELENTRU	S - 2K18 " - NATIONAL LEVE	L TECHNICAL SYMPOSIUM
conducted by M.	A.M. College of Engineering on	31 st August 2018.	

C. Karthick HOD/EEE

Dr. 3. Ravimaran
Principal

rof. U.S. Sarvadayaparan Director

Dr. M.A. Mohamed Nizam Secretary & Correspondent





K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University Chennai Accredited with 'A+' grade by NAAC

Samayapuram, Tiruchirappalli - 621112, Tamilnadu, India

www.krct.ac.in



SUPPORTED BY















Certificate of Participation

This is to certify that

Prof. / Dr. / Mrs. / Ms. M. PRIYANGA

of SARANATHAN COLLEGE OF ENMINEERING

has Participated / Presented a paper on PATIENT HEALTHLARE

MONITORING SYSTEM IN AMBULANCE USING TOT

in two day International Conference (ICONNECT - 2K17) organized at

K.Ramakrishnan College of Technology, Trichy on 28th and 29th March, 2017.

O-ORDINATOR

PRINCIPAL

Page 60 of 242

EEE

CERTIFICATE ID : ISSUED ON: 1/19/2020 14:37:42





CERTIFICATE OF PARTICIPATION

PRESENTED TO

Ajay.L

From SHARIK 3.0 , Saranathan college of engineering for participating in national level VIRTUAL ROUND of

SAUR URJA VEHICLE CHALLENGE (SUVC-2020)

organized by RSTE SOCIETY.







THIS IS AN E- GENERATED CERTIFICATE HENCE DOES NOT NEED ANY VERIFICATION



PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH

NEELAMBUR, COIMBATORE-641 062

Tukta:

Certificate of Merit

This is to Certify that Mr/Ms $\underline{k} \cdot \underline{l}$	Deva Priya	181	of
Chranathan College of Eng	inering	has secured_	Third
place in the	h Wiz MMXX	Event	/ Presentation /
Workshop during the National Level Te	chnical Symposium	YUKTA: 2020	on 5 th and 6 th
February at PSG Institute of Technology an	d Applied Research, (Coimbatore.	

Dr P Vetrivelan Dean,Students Union

Dr G Chandramohan Vice Principal

MANNE

Dr P V Mohanram Principal

PVKlang



PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH

NEELAMBUR, COIMBATORE-641 062

Certificate of Merit

This is to Certify	that Mr/Ms K. Deva Priya	of
Chranatha	n College of Engineering	has secured Third
place in the	Tech Wiz MMXX	Event/ Presentation /
Workshop during the N	ational Level Technical Symposiu	m YUKTA: 2020 on 5th and 6th
February at PSG Institute	of Technology and Applied Research	1, Coimbatore.

Dr P Vetrivelan Dean,Students Union

Dr G Chandramohan Vice Principal

LIMBETTA

Dr P V Mohanram Principal



Gertificate

This certificate is presented to K. Devapriya

3rd Year BE [EEE] Saranathan College of Engineering
on 15th Schlember 2019 we the has won the First Price
in the 52nd Engineers Day Elocution Competition.

Dr. N. Kumaresan Chairman



Er. A. Anand Honorary Secretary



CERTIFICATE OF PARICE PATION

This is to certify that

Aravindh Vetri

representing

Saranathan College Of Engineering

has participated in BAJA SAEINDIA 2020, organized by SAEINDIA from 22nd to 26th January 2020

at NATRAX Facility of NATRiP in Pithampur, Madhya Pradesh.

Balraj S.
Convener,
BAJA SAEINDIA 2020 - Pithampur

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Umesh Raghuvanshi Jt. Convener, BAJA SAEINDIA 2020 - Pithampur





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CERTIFICATE OF PARIFICATE OF

This is to certify that

Chandra Mohan P

representing

Saranathan College Of Engineering

has participated in BAJA SAEINDIA 2020, organized by SAEINDIA from 22nd to 26th January 2020 at NATRAX Facility of NATRIP in Pithampur, Madhya Pradesh.



Balraj S.
Convener,
BAJA SAEINDIA 2020 - Pithampur

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Umesh Raghuvanshi Jt. Convener, BAJA SAEINDIA 2020 - Pithampur





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CERTIFICATE OF PARIGON

This is to certify that

Jarin Kishore Ni

representing

Saranathan College Of Engineering

has participated in BAJA SAEINDIA 2020, organized by SAEINDIA from 22nd to 26th January 2020 at NATRAX Facility of NATRIP in Pithampur, Madhya Pradesh.

Balraj S.
Convener,
BAJA SAEINDIA 2020 - Pithampur

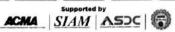
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Umesh Raghuvanshi

Jt. Convener,

BAJA SAEINDIA 2020 - Pithampur





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CERTIFICATE OF PARTIFICATE OF

This is to certify that

Krishna Badrinath

representing

Saranathan College Of Engineering

has participated in BAJA SAEINDIA 2020, organized by SAEINDIA from 22nd to 26th January 2020 at NATRAX Facility of NATRIP in Pithampur, Madhya Pradesh.

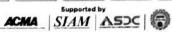
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Saranathan College Of Engineering

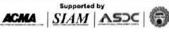
has participated in BAJA SAEINDIA 2020, organized by SAEINDIA from 22nd to 26th January 2020 at NATRAX Facility of NATRIP in Pithampur, Madhya Pradesh.

Balraj S.
Convener,
BAJA SAEINDIA 2020 - Pithampur

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Umesh Raghuvanshi Jt. Convener, BAJA SAEINDIA 2020 - Pithampur





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CERTIFICATE OF PARTIFICATE OF

This is to certify that

Manish Ananda Eswaran

representing

Saranathan College Of Engineering

has participated in BAJA SAEINDIA 2020, organized by SAEINDIA from 22nd to 26th January 2020 at NATRAX Facility of NATRIP in Pithampur, Madhya Pradesh.



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Umesh Raghuvanshi

Jt. Convener,

BAJA SAEINDIA 2020 - Pithampur





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CERTIFICATE OF PARIFICATE OF

This is to certify that

Mohamed Thoufiq

representing

Saranathan College Of Engineering

has participated in BAJA SAEINDIA 2020, organized by SAEINDIA from 22nd to 26th January 2020 at NATRAX Facility of NATRIP in Pithampur, Madhya Pradesh.



Balraj S. Convener, BAJA SAEINDIA 2020 - Pithampur

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Jt. Convener,

BAJA SAEINDIA 2020 - Pithampur





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This is to certify that

Mohamed Anas

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Saranathan College Of Engineering

has participated in BAJA SAEINDIA 2020, organized by SAEINDIA from 22nd to 26th January 2020 at NATRAX Facility of NATRIP in Pithampur, Madhya Pradesh.



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Jt. Convener,

BAJA SAEINDIA 2020 - Pithampur





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CERTIFICATE OF PARIFICATE OF

This is to certify that

Mohammed Rifat

representing

Saranathan College Of Engineering

has participated in BAJA SAEINDIA 2020, organized by SAEINDIA from 22nd to 26th January 2020 at NATRAX Facility of NATRIP in Pithampur, Madhya Pradesh.



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Jt. Convener, BAJA SAEINDIA 2020 - Pithampur















CERTIFICATE OF PARTIFICATE OF

This is to certify that

Rithish Balasubramanian

representing

Saranathan College Of Engineering

has participated in BAJA SAEINDIA 2020, organized by SAEINDIA from 22nd to 26th January 2020 at NATRAX Facility of NATRIP in Pithampur, Madhya Pradesh.



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BAJA SAEINDIA 2020 - Pithampur





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CERTIFICATE OF PARIFICATE OF

This is to certify that

Santhosh Kanna

representing

Saranathan College Of Engineering

has participated in BAJA SAEINDIA 2020, organized by SAEINDIA from 22nd to 26th January 2020 at NATRAX Facility of NATRIP in Pithampur, Madhya Pradesh.

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CERTIFICATE OF PARICE PATON

This is to certify that

Shylesh Rama

representing

Saranathan College Of Engineering

has participated in BAJA SAEINDIA 2020, organized by SAEINDIA from 22nd to 26th January 2020 at NATRAX Facility of NATRIP in Pithampur, Madhya Pradesh.

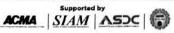


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CERTIFICATE OF PARICE PATION

This is to certify that

Subramanian Duraisamy

representing

Saranathan College Of Engineering

has participated in BAJA SAEINDIA 2020, organized by SAEINDIA from 22nd to 26th January 2020 at NATRAX Facility of NATRIP in Pithampur, Madhya Pradesh.

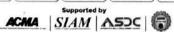


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CERTIFICATE OF PARICE PATION

This is to certify that

Sundar Mohandoss

representing

Saranathan College Of Engineering

has participated in BAJA SAEINDIA 2020, organized by SAEINDIA from 22nd to 26th January 2020 at NATRAX Facility of NATRIP in Pithampur, Madhya Pradesh.



Balraj S.
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Umesh Raghuvanshi
Jt. Convener,
BAJA SAEINDIA 2020 - Pithampur





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CERTIFICATE OF PARICE PATION

This is to certify that

Vasanthkumar Kasinathan

representing

Saranathan College Of Engineering

has participated in BAJA SAEINDIA 2020, organized by SAEINDIA from 22nd to 26th January 2020 at NATRAX Facility of NATRIP in Pithampur, Madhya Pradesh.



Balraj S.
Convener,
BAJA SAEINDIA 2020 - Pithampur

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Umesh Raghuvanshi Jt. Convener, BAJA SAEINDIA 2020 - Pithampur





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This is to certify that

Vijay Sai

representing

Saranathan College Of Engineering

has participated in BAJA SAEINDIA 2020, organized by SAEINDIA from 22nd to 26th January 2020 at NATRAX Facility of NATRIP in Pithampur, Madhya Pradesh.

Balraj S.
Convener,
BAJA SAEINDIA 2020 - Pithampur

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Umesh Raghuvanshi
Jt. Convener,
BAJA SAEINDIA 2020 - Pithampur





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CERTIFICATE OF PARION

This is to certify that

Antony Rozario Gnanaraj Bennet Raj

representing

Saranathan College Of Engineering

has participated in BAJA SAEINDIA 2020, organized by SAEINDIA from 22nd to 26th January 2020 at NATRAX Facility of NATRiP in Pithampur, Madhya Pradesh.

Balraj S.

Convener, BAJA SAEINDIA 2020 - Pithampur

Umesh Raghuvanshi

Jt. Convener,

BAJA SAEINDIA 2020 - Pithampur







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THIS IS TO CERTIFY THAT

Mr/ Ms	HARISH.	/ of
SARANATH	AN ENGINEE	RING COLLEGE
		QUIZ
Event in "YU	DDHAVAR	NA-2K20", the Inter college
Technical mee	t organized by	the Department of Computer
Science and E	ngineering on	29 February 2020.

Prof. M. MURUGESAN Convenor





M.KUMARASAMY COLLEGE OF ENGINEERING

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Thalavapalayam, Karur, Tamilnadu.





CERTIFICATE OF PARTICIPATION

This is to certify the	hat Mr/ Ms	HARISH	V	of
	SARANATHAN	ENGINEERING	COLLEGE	
has participated in	Innvo Presen	ter, Web Co DB	Mania,	Bug Monsters, Brain Rumble,
Quiz, Pap	er Presentation,	Google Hunting Eve	ents in "Yu	ddhavarna-2K20", the Inter College
Technical meet org	anized by the Depa	rtment of Computer	Science ar	d Engineering on 29 Februray 2020.

Prof. M. MURUGESAN Convenor



SRI RAMAKRISHNA COLLEGE OF ENGINEERING

NH - 45, Sri Saradha Nagar, Perambalur - 621 113. | www.sriramakrishna.ac.in





mS	avanathan	college of	Engineering,	Tricky.	
s present	ed a paper titled	A home	automation	system	
		in the N	ational Level Technical	Symposium TECHGYA	N - 20
			ng, Perambalur on 18th	Links I pro-	



SRI RAMAKRISHNA COLLEGE OF ENGINEERING

NH - 45, Sri Saradha Nagar, Perambalur - 621 113. | www.sriramakrishna.ac.in





This is to certify	that Selvan / Selvi	S. ISHWARYA	(FFF)	
from Sanana	than college of	Erginevir	9	
has secured	place in the event of	Brain R	umble	<u>h</u> ,
in the National Level T	echnical Symposium TECHGY	AN - 2020 held at 3	Sri Ramakrishna College Of Engine	ering,
Perambalur on 18th Fel	fruary, 2020.			

HOD

Convenor

Principal



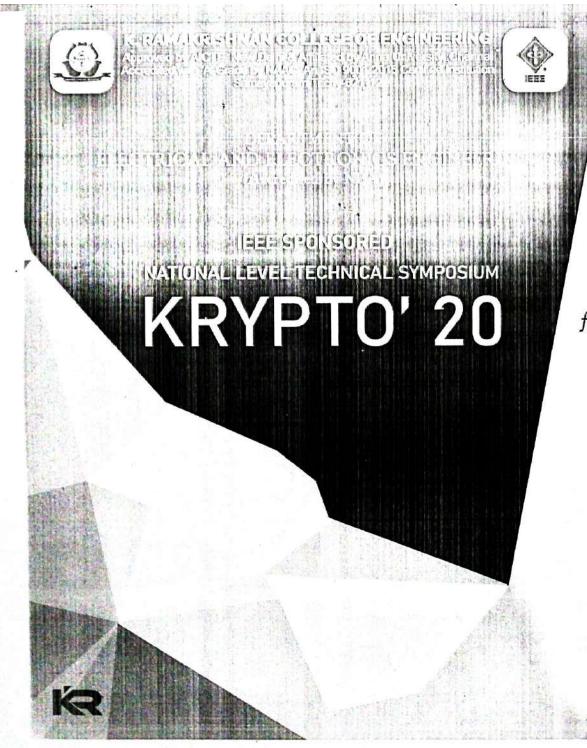
SRI RAMAKRISHNA COLLEGE OF ENGINEERING

NH - 45, Sri Saradha Nagar, Perambalur - 621 113. | www.sriramakrishna.ac.in





			. ISHWARIYA		
from_Sax	anathan	college	of Engineer	ing , Tyle	hy
has secured_	I	place in the event of	KAGOZTRADIO	TIO (paper	presentati
			AN - 2020 held at Sri I		
Perambalur on	18th February, 2	2020.	The second secon	Sant Land	
	energy matter August 1990 Augu	Constitution of the Consti	A STATE OF THE STA		
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Certificate Of APPRECIATION

This is to certify that

Mr. / Ms. ____ S. __ ISHWARYA

of ____ FFE ____ Department

from SARANATHAN COLLEGIE OF ENGINEERING

has participated / secured ____ FIRST

in the event ____ TREASURE HUNT

in IEEE sponsored National Level

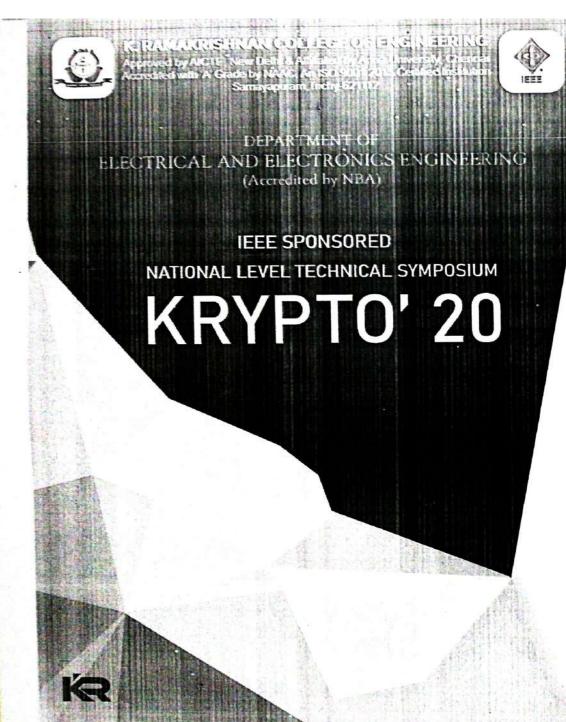
Technical Symposium KRYPTO'20 held at

K.Ramakrishnan College of Engineering

on 24th January 2020.

Dr.K.Dhayalini Convener & HOD/EEE

Dr. D. Srinivasan Principal



CERTIFICATE OF APPRECIATION

.02			s to certify that
Mr. / Ms	S. <u>Ts</u> ı	HWARYA	
			Department
from SAR	ANATHAN CO	LEGE D	F ENGINEER
has partic	ipated / secured	ł	
in t	he event <u>PAP</u>	ER PRE	SENTATION
	in IEEE .	sponsored l	National Level
Tec	hnical Symposi	ium KRYP	TO'20 held at
j	K.Ramakrishno	an College	of Engineering
		on 24th	January 2020.

Dr.K.Dhayalini Convener & HOD/EEE

Dr. D. Srinivasan Principal



M.KUMARASAMY COLLEGE OF ENGINEERING

NAAC Accredited Autonomous Institution

Approved by AKCTE & Affiliated to Anna University ISO 9001:2015 Certified Institution Thalavapalayam, Karus, Tamilinadu.



CERTIFICATE OF MERIT



Mr/Ms	JOHN !	3RITTO of
		VEERING COLLEGE
has won	prize in	QUIZ
Event in "Y	UDDHAVA	RNA-2K20", the Inter college
Technical m	eet organized	by the Department of Computer
Science and	Engineering of	on 29 February 2020.



S.TY

Prof. M. MURUGESAN Convenor





M.KUMARASAMY

COLLEGE OF ENGINEERING

NAAC Accredited Autonomous Institution

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Thalavapalayam, Karur, Tamilnadu.





CERTIFICATE OF PARTICIPATION

This is to certify that Mr/ Ms	JOHN	BRITTO .	Iof
SARANATHAN	ENGINEERING	COLLEGE	
has participated in Innvo Pres	senter, Web Co I	DBMania,	Bug Monsters, Rumble,
Quiz, Paper Presentation,			
Technical meet organized by the De	epartment of Compu	iter Science an	d Engineering on 29 Februray 2020.

Prof. M. MURUGESAN Convenor



COLLEGE OF ENGINEERING

NAAC Accredited Autonomous Institution

Approved by AICTE & Affiliated to Anna University ISO 9001:2015 Certified Institution

Thalavapalayam, Karur, Tamilnadu.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE OF PARTICIPATION

This is	to certify that Mr./Ms.	JOHN BR	I . 077/	
of	SARANATHAN	ENGINEERING	COLLEGE	
has pai	rticipated in the State L	evel Workshop titled_	BIG DATA	
on 28 F	February 2020.			

Prof. M. MURUGESAN Convenor



NEELAMBUR, COIMBATORE-641 062

Certificate of Merit

This is to Certify that Mr/Ms_	S. Jose Muil		of
Javanathan College of E	Engineering	has secured	Third
place in the	Tech Wis MMXX	Event	/Presentation/
Workshop during the National Level	Technical Symposium	YUKTA: 2020	on 5th and 6th
February at PSG Institute of Technolog	y and Applied Research,	Coimbatore.	

Dr P Vetrivelan Dean, Students Union Dr G Chandramohan Vice Principal

formation

Dr P V Mohanram Principal



NEELAMBUR, COIMBATORE-641 062

Certificate of Merit

This is to Certify that Mr/Ms S. Jose Meuil	of
Caranathan College of Engineering	has secured Third
place in the Tech Wis MMXX	Event/Presentation/
Werkshop during the National Level Technical Symposium	YUKTA: 2020 on 5th and 6th
February at PSG Institute of Technology and Applied Research, C	oimbatore.

Dr P Vetrivelan Dean, Students Union Dr G Chandramohan Vice Principal

FINANTE.

Dr P V Mohanram Principal



NEELAMBUR, COIMBATORE-641 062

Certificate of Merit

This is to	Certify that Mr/Ms	J. Kanunakaran		of
	Jarana Han Colleg	x of Engineering	has secured	Fifth
place in the	0	Tech Wiz MMXX	Even	t /Presentatio n/
Workshop during	the National Level	Technical Symposium	YUKTA: 2020	on 5 th and 6 th
February at PSG In	stitute of Technology	and Applied Research,	Coimbatore.	

Dr P Vetrivelan Dean,Students Union Dr G Chandramohan Vice Principal Dr P V Mohanram Principal

PVKlang



NEELAMBUR, COIMBATORE-641 062



Certificate of Merit

This is to Certify that Mr/Ms KARUNAKARAN G of SARANATHAN COLLEGIE OF ENGINEERING has participated in AN IOT ENIGIMA Event/Workshop/Presentation during the National Level Technical Symposium YUKTA: 2020 on 5th and 6th February at PSG Institute of Technology and Applied Research, Coimbatore.

Dr P Vetrivelan Dean, Students Union Dr G Chandramohan Vice Principal

Lynton

Dr P V Mohanram

PV Change



NEELAMBUR, COIMBATORE-641 062

CH YUKTA:

Certificate of Merit

This is to	Certify that I	Mr/ Ms _	KARUN	KARAN	6	of
SARANATHAN	COLLEGE	OF	ENGINEFRI	JA TRICHY	has secured	and
place in the	יודמט	ILED.	(m. 1931		Even	t/ Presentation /
Workshop during	the Nation	al Leve	l Technical	Symposium	YUKTA: 2020	on 5th and 6th
February at PSG In	stitute of Tec	hnolog	y and Applie	Research, C	Coimbatore.	

Dr P Vetrivelan Dean,Students Union Dr G Chandramohan Vice Principal

HAMM

Dr P V Mohanram Principal

PVFlanz



NEELAMBUR, COIMBATORE-641 062

Certificate of Merit

This is to	Certify that	1r/Ms67	Kawa	eavan		of
	Jaraha				has secured	Fifth
place in the			Tech h	Dig MMXX	Even	t/ Presentatio n/
Workshop during	the Nationa	al Level 1	echnical	Symposium	YUKTA: 2020	on 5th and 6th
February at PSG I	nstitute of Tec	hnology a	nd Applie	d Research, C	coimbatore.	

Dr P Vetrivelan Dean, Students Union Dr G Chandramohan Vice Principal Dr P V Mohanram Principal



NEELAMBUR, COIMBATORE-641 062

Certificate of Merit

This is to	Certi	fy that Mr	/Ms	KARUM	A KARAN	6		_of
SARANATHAN	(0)	leaf e	F	MAINEERI	NA TRICHY	has secured	and	
place in the	and a second	TITTAU	ED.			Even	t/ Prese ntatio	on/
Workshop during	the	National	Level	Technical	Symposium	YUKTA: 2020	on 5th and	6 th
February at PSG In	nstitu	te of Tech	nolog	y and Applie	ed Research, (Coimbatore.		

Dr P Vetrivelan Dean, Students Union Dr G Chandramohan Vice Principal

MARAN

Dr P V Mohanram 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 Mr/Ms	KAUSHI	K S	of
SARANATHAN	ENGINEERING	COLLEGE	
has participated in Innvo Prese	enter, Web Co DBN	Mania, Bug Mons	ters, Brain Rumble,
Quiz, Paper Presentation,	Google Hunting Eve	ents in "Yuddhavarna	a-2K20", the Inter College
Technical meet organized by the Dep	partment of Computer	Science and Enginee	ring on 29 Februray 2020.

Prof. M. MURUGESAN Convenor SIL



M.KUMARASAMY

NAAC Accredited Autonomous Institution

Approved by AICTE & Affiliated to Anna University ISO 9001:2015 Certified Institution

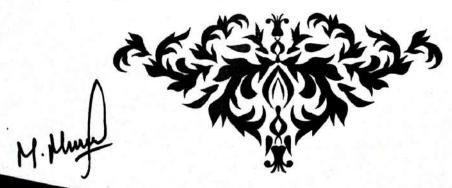
Thalavapalayam, Karur, Tamilnadu.



CERTIFICATE OF MERIT

THIS IS TO CERTIFY THAT

Mr/ Ms	KAUSHIK	<u>. ς</u> of
SARAN	ATHAN ENGL	NEERING COLLEGE
has won	prize in	
Event in "Y	U DDHAVAR	NA-2K20", the Inter college
Technical me	et organized by	y the Department of Computer
Science and I	Engineering on	29 February 2020.



S:14

Prof. M. MURUGESAN Convenor







SIEMENS Ingenuity for life WORKSHOP



AUTOMOBILE ENGINEERS ASSOCIATION DEPARTMENT OF AUTOMOBILE ENGINEERING MADRAS INSTITUTE OF TECHNOLOGY - ANNA UNIVERSITY CHENNAI - 600044

CERTIFICATE OF PARTICIPATION

SARANATHAN COLLEGE OF ENGINEERING

has participated in the ...T.E.CHNICAL

..... Event of AUTOMEET '20

held on January 24 & 25, 2020 at Madras Institute of Technology, Anna University, Chennai - 44.

Mr. R. ROSHAN CHAIRMAN, AEA

Dr. K. ARUNACHALAM PRESIDENT, AEA Constitution of

Dr. M. SENTHIL KUMAR
HEAD
PARTMENT OF AUTOMOBILE ENGINEERING



ROTARY CLUB OF TIRUCHIRAPALLI ROCKCITY





Club No.22856



An Inter Collegiate Event

Certificate of Merit

This is to Certify that ... A.E.MANISH

Top Notcher'19 - An Inter Collegiate Competitive Event held on

18th August 2019 at St. Joseph's Institute of Management, Trichy

Rtn. Rajesh V

Rtn. S. Sathya Vishnu Karthick

Rtn. S. Sathya Vishnu Karthick Ghairman

Page 103 of 242

DOV~

F tn. D. Thilak Chander Secretary



ROTARY CLUB OF TIRUCHIRAPALLI ROCKCITY





C 16 No.22856



An inter Collegiate Event

Certificate of Appreciation

Top Notcher'19 - An Inter Collegiate Competitive Event held on

18th August 2019 at St. Joseph's Institute of Management, Trichy

Rtn. Rajesh V

Rtn. S. Sathya Vishnu Karthick

Page 104 of 242

DC-

Rtn. D. Thilak Chander Secretary



ROTARY CLUB OF TIRUCHIRAPALLI ROCKCITY





Club No.22856



An Inter Collegiate Event

Certificate of Appreciation

This is to Certify thatMANIGHT.A.E......for

being adjudged as WINNER in the InQUIZitive event

Top Notcher'19 - An Inter Collegiate Competitive Event held on

18th August 2019 at St. Joseph's Institute of Management, Trichy

Rtn. Rajesh V

Rtn. S. Sathya Vishnu Karthick Chairman Rtn. D. Thilak Chander Secretary

Page 105 of 242



NEELAMBUR, COIMBATORE-641 062

Certificate of Merit

This is to Certify that Mr/Ms MOHAMMED RIFAT Z. of

SARANATHAN COLLEGE OF EMINIFERING, TRICHY has secured 2 nd

place in the LINTITLED. Event/Presentation/

Workshop during the National Level Technical Symposium YUKTA: 2020 on 5th and 6th

February at PSG Institute of Technology and Applied Research, Coimbatore.

Dr P Vetrivelan Dean,Students Union Dr G Chandramohan Vice Principal Dr P V Mohanram Principal



PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH

NEELAMBUR, COIMBATORE-641 062

Certificate of Merit

Kontola

Dr P Vetrivelan Dean, Students Union Dr G Chandramohan Vice Principal Dr P V Mohanram Principal

PV Mans



PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH

NEELAMBUR, COIMBATORE-641 062

Certificate of Merit

This is	to Certify that Mr/Ms_	Z. Mohammed Rifat		of
	Javanathan Col	lege of Engineering	has secured/	Fifth
place in the		Tech Wig MMXX	Event/P	resentation /
Werkshop durin	g the National Level	l Technical Symposium	YUKTA: 2020 o	n 5 th and 6 th
February at PSG	Institute of Technolog	v and Applied Research.	Coimbatore.	

Rontala

Dr P Vetrivelan Dean, Students Union Dr G Chandramohan Vice Principal Dr P V Mohanram Principal



PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH

NEELAMBUR, COIMBATORE-641 062

Certificate of Merit

This is to Certify that Mr/Ms MOHAMMED RIFAT Z of

SARANATHAN COLLEGE OF EMINIERINA, TRICHY has secured 2 Md

place in the LINTITLED. Event/Presentation/

Workshop during the National Level Technical Symposium YUKTA: 2020 on 5th and 6th

February at PSG Institute of Technology and Applied Research, Coimbatore.

Dr P Vetrivelan Dean,Students Union Dr G Chandramohan Vice Principal

LIARNILL

Dr P V Mohanram Principal







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AUTOMOBILE ENGINEERS ASSOCIATION DEPARTMENT OF AUTOMOBILE ENGINEERING MADRAS INSTITUTE OF TECHNOLOGY - ANNA UNIVERSITY CHENNAI - 600044

CERTIFICATE OF PARTICIPATION

SARANATHAN COLLEGE OF ENGINEERING

has participated in the ...TECHNICAL.....

..... Event of AUTOMEET '20

held on January 24 & 25, 2020 at Madras Institute of Technology, Anna University, Chennai - 44.

Mr. R. ROSHAN

CHAIRMAN, AEA

Dr. K. ARUNACHALAM PRESIDENT, AEA County ?

Dr. M. SENTHIL KUMAR
HEAD
DEPARTMENT OF AUTOMOBILE ENGINEERING







Ingenuity for life

AUTOMOBILE ENGINEERS ASSOCIATION DEPARTMENT OF AUTOMOBILE ENGINEERING MADRAS INSTITUTE OF TECHNOLOGY - ANNA UNIVERSITY CHENNAI - 600044

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. PREETHIKAA KA

SARANATHAN COLLEGE OF ENGINEERING

has participated in the TECHNICAL

Event of AUTOMEET '20

held on January 24 & 25, 2020 at Madras Institute of Technology, Anna University, Chennai - 44.

Mr. R. ROSHAN

CHAIRMAN, AEA

Dr. K. ARUNACHALAM PRESIDENT, AEA

Page 111 of 242



Dr. M. SENTHIL KUMAR HEAD DEPARTMENT OF AUTOMOBILE ENGINEERING







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AUTOMOBILE ENGINEERS ASSOCIATION DEPARTMENT OF AUTOMOBILE ENGINEERING MADRAS INSTITUTE OF TECHNOLOGY - ANNA UNIVERSITY CHENNAI - 600044

CERTIFICATE OF PARTICIPATION

This is to certify that

Mr./Ms. RAGHAVENDRAN: S. of

SARAMATHAN COLLEGE OF ENGINEERING.

has participated in the TECHNICAL.

Event of AUTOMEET '20

held on January 24 & 25, 2020 at Madras Institute of

Technology, Anna University, Chennai - 44.

Mr. R. ROSHAN CHAIRMAN, AEA

Dr. K. ARUNACHALAM PRESIDENT, AEA Camp ?

Dr. M. SENTHIL KUMAR
HEAD
DEPARTMENT OF AUTOMOBILE ENGINEERING



College of Engineering and Technology

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai, Accredited by NBA, Accredited by NAAC with B++ Grade Recognized by UGC with 2(f) & 12(b), An ISO 9001:2015 Certified Institutions)

Namakkal - Trichy Main Road, Tholurpatti (P.O.), Thottiyam (TK), Trichy (Dt.) - 621 215.

National Level Technical Symposium 2K'19



This is to cer	tify that	Mr./Mrs./Ms\	. SAKTHI RA	AL
of SARANATI	HAN	COLLEGIE	of Engine	ERING
has won the First / S	eeend / Ti	hird place in the e vent /	paper presented on	RECENT
TRENDS		RENEWABL	E ENERGY	RESOURCES
in one day National	Level 1	Technical Symposium	- TEK CLUSTER 19 or	rganized by the Department of
MECHANI	CAL	ENGINEE	RING	on 09th August, 2019.



Dean (R&D)



Chairman







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AUTOMOBILE ENGINEERS ASSOCIATION
DEPARTMENT OF AUTOMOBILE ENGINEERING
MADRAS INSTITUTE OF TECHNOLOGY - ANNA UNIVERSITY
CHENNAI - 600044



Mr. R. ROSHAN CHAIRMAN, AEA Dr. K. ARUNACHALAM PRESIDENT, AEA

Dr. M. SENTHIL KUMAR
HEAD
DEPARTMENT OF AUTOMOBILE ENGINEERING

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AUTOMOBILE ENGINEERS ASSOCIATION
DEPARTMENT OF AUTOMOBILE ENGINEERING
MADRAS INSTITUTE OF TECHNOLOGY - ANNA UNIVERSITY
CHENNAL - 600044

CERTIFICATE OF PARTICIPATION

This is to certify that

MAT./MS. SUBALAKSHMI: G. Of SARANATHAN COLLEGE OF ENGINEERING

has participated in the ..TECHNICAL.....

Event of AUTOMEET '20

held on January 24 & 25, 2020 at Madras Institute of Technology, Anna University, Chennai - 44.

L. adam

Mr. R. ROSHAN CHAIRMAN, AEA KAmm

Dr. K. ARUNACHALAM PRESIDENT, AEA Coording -

Dr. M. SENTHIL KUMAR HEAD

DEPARTMENT OF AUTOMOBILE ENGINEERIN

Page 115 of 242



K. RAMAKRISHNAN COLLEGE OF ENGINEERING

opposed by AICTE. New Delhi & Affiliated by Anna Linkersky. Cherin-a occedited with A Grade by NAAC. An ISO 9001 2015 Cerhied lijesin from Samuranuan Tuchy 621112



DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING
(Accredited by NBA)

IEEE SPONSORED

NATIONAL LEVEL TECHNICAL SYMPOSIUM

KRYPTO' 20

CERTIFICATE OF APPRECIATION

		This is to certify that
Mr. / Ms	M. SUDI	HILAYA
of	EFF	Department
from SARA	NATHAN CO	LLEGE OF ENGINEERING
has particit	pated / secured	d
in th	e event PAPE	ER PRESENTATION
	in IEEE	sponsored National Level
Tech	ınical Sympos	sium KRYPTO'20 held at
·	C.Ramakrishn	an College of Engineering
		on 24th January 2020.

Dr.K.Dhayalini Convener & HOD/EEE Dr. D. Srinivasan Principal







SIEMENS
Ingenuity for life
WORKSHOP



AUTOMOBILE ENGINEERS ASSOCIATION
DEPARTMENT OF AUTOMOBILE ENGINEERING
MADRAS INSTITUTE OF TECHNOLOGY - ANNA UNIVERSITY
CHENNAI - 600044

CERTIFICATE OF PARTICIPATION

	Inis	is to certify	y tnat	STANFAN KONNEN STAN
Mr./₩s.	SYED ZAME	ERBASHA :	\$	of
SARANA	THAN COLLEGE.	DFENGL	NEERING	
has parti	cipated in the	TECHI	MICAL	g ar
		Ev	ent of AUT	OMEET '20
held on	January 24 &	25, 2020	at Madra	s Institute o
Te	chnology. Ann	a Univers	ity Chenn	ai - 44

Mr. R. ROSHAN

CHAIRMAN, AEA

Dr. K. ARUNACHALAM

Dr. M. SENTHIL KUMAR

DEPARTMENT OF AUTOMOBILE ENGINEERING

Page 117 of 242

PRESIDENT, AEA



Rathinam Technical Campus

(Affiliated to Anna University and Approved by AICTE, New Delhi and Recognized by UGC under Section 2(f))
Rathinam Techzone, Pollachi main road, Eachanari, Coimbatore, Tamilnadu, India -641021

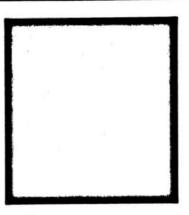






CERTIFICATE

OF APPRECIATION



This Portificate is proudly presented to

V.ABHIRAMI

of	Saranathan College of Engineering	who has presented a paper titled
,	ngestion Management by locating Series FACTS Dev	ices in Deregulated power Systems in the
IEEE	E sponsored 3 rd International Conference of	on Engineering & Technology 2018
01	ganized by the Department of CSE & IT	, Rathinam Technical Campus ,
	Coimbatore during 30th & 31	st, August 2018.

Proj . s.syea snajanaan

ICETECH

Lastismed.

Dr. Madan A.Sendhil
Chief Patron
ICETECH'18



Organizer

KonSunadu college of engineering & technology



Chairman

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

Accredited by NAAC with B++ Grade, Recognized by UGC with 2(f) & ISO 9001:2015 Certified Institution

Namakkal - Trichy Main Road, Tholurpatty - 621 215, Thottiam Taluk, Trichy.

NATIONAL LEVEL TECHNICAL SYMPOSIUM 2K'18

Certificate

This is to certify that Mr./Mrs./Ms ABINAYA L
of SARANATHAN COLLEGE OF ENGINEERING, TRICHY:
has wen the First / Second / Third place in the event / paper presented on
INDUSTRIAL AUTOMATION
one day National Level Technical Symposium - TEK CLUSTER'18 organized by the Department of
ELECTRICAL AND ELECTRONICS FNGINE FRING on 18th August, 2018.
· · · · · · · · · · · · · · · · · · ·





K.RAMAKRISHNAN COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennal Accredited with 'A' Grade by NAAC, An ISO 9001:2015 Certified Institution

Samayapuram, Tiruchirappalli - 621 112.

DEPARTMENT
OF
ELECTRICAL & ELECTRONICS ENGINEERING

KRYPTO-18



IEEE Sponsored

NATIONAL LEVEL TECHNICAL SYMPOSIUM

2nd AUGUST 2018

Certificate

of Participation

This is to certify that Mr/Ms. Ajith Anunugam A in EEE of Savanathan College of Engineering

has participated in the following events of KRYPTO -18.

An IEEE sponsored National Level Technical Symposium held on 2nd August, 2018.

PAPER PRESENTATION

XI QUIZ

Q CONNECTION

∠ PUBG

□ BREAK FOR BAIL

TREASURE HUNT

HOD/EEE Dr.K.Dhayalini 1/ Comiliano

PRINCIPAL Dr.D.Srinivasan



KonSunadu COLLEGE OF ENGINEERING & TECHNOLOGY



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

Accredited by NAAC with B++ Grade, Recognized by UGC with 2(f) & ISO 9001:2015 Certified Institution Namakkal - Trichy Main Road, Tholurpatty - 621 215, Thottiam Taluk, Trichy.

NATIONAL LEVEL TECHNICAL SYMPOSIUM 2K'18

Certificate

This is to certify that Mr./Mrs./MsJ.S. SURUTHI
of SARANATHAN COLLEGE OF ENGINEERING TRICHY
has wen the First / Second / Third place in the event / paper presented on
HVDC AND FACTS IN POWER SYSTEM
one day National Level Technical Symposium - TEK CLUSTER'18 organized by the Department of
ELECTRICAL AND ELECTRONICS ENGINEERING on 18th August, 2018.
A

R/Am_ Organizer

Principal

Chairman

Market Land Contraction of the same of the same



Prof.K.Ramadas

ALAGAPPA CHETTIAR GOVERNMENT COLLEGE OF ENGINEERING AND TECH

(A Government Autonomous Institution Affiliated to Anna University, Chennai) Karaikudi - 630 003

21st National Level Technical Symposium

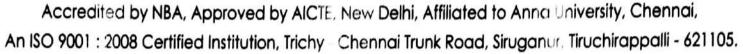
CERTIFICATE OF PARTICIPATION

ofEFE		CARANATHAN COLLEGIE he event PAPER PRESENT	
in "ALCONESY 2K18"-A	A National Level Technical	Symposium conducted by	
80 dl	5	- Min	
FACULTY INCHARGE	PEE/HOD	PRINCIPAL Dr. A. Flango	

Dr.K.Baskaran

Dr.A.Elango

M.A.M. COLLEGE OF ENGINEERING





DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

ELENTRUS - 2K18

CERTIFICATE

	This is to certify that Mr./Ms. SHERRIN BANU. J	of
	SARANATHAN COLLEGE OF ENGINEERING	nas participated in the event
of	PAPYRUS PRESENTA	
	in "ELENTRUS - 2K18" - NATIONAL LEVEL TECHNICAL S	SYMPOSIUM conducted by
M.A.M. Colle	ege of Engineering on 31 st August 2018.	

C. Karthick

Dr. S. Ravimaran
Principal

Prof. U.S. Sarvadayaparan Director

Dr. M.A. Mohamed Nizam Secretary & Correspondent



Certificate

Participation

This is to Cartify that Mr/ Ma 1	RINCE THOMSON J
----------------------------------	-----------------

Representing SARANATHAN COLLEGE OF ENGINEERING

has Successfully Participated in Dynamic Round of NSVC 2018-19 Organised

by Dynamist Motorsports Put. Ltd. in Association with Ridwibs Motors and

Jacknologies Pet, Ltd. and Secured 5th position.

We wish them to have a bright future ahead

Held on Date: 20 Feb. 4 Manda 2019

Venuer Rever University, Front State









Denamist Motoricoris PV





INDIA INTERNATIONAL SCIENCE FESTIVAL

भारत अंतर्राष्ट्रीय विज्ञान महोत्सव 2018

5th - 8th OCTOBER 2018 Indira Gandhi Pratishthan

Certificate of Award

This is to certify that		A Pradeep		
participated in has been awarded	Student.	Fnainering 1	Model Competit	in (TTOF)
	January.	- y	- William Competition	2011 (11.51)
during 6-7 oct	, 2018	at India Interna	tional Science Festival	2018 held at Lucknow

Dr. Renu Swarup Secretary, Department of Biotechnology, Gol Dr. Vijay Bhatkar President, Vijnana Bharati

Program Coordinator
Department of Biotechnology











PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. PRASANTH P

from SARANATHAN COLLEGE OF ENGINEERING

has participated in

SAUR URJA VEHICLE CHALLENGE (SUVC-2019)

Conducted by **RSTE SOCIETY**Held at
Hindusthan College of Engineering & Technology
Coimbatore, Tamil Nadu
27th Feb - 3rd Mar

S.U.V.C. - HEAD



Dydon

R.S.T.E. - PRESIDENT

www.suvcrste.com

contact@suvcrste.com





K.RAMAKRISHNAN COLLEGE OF ENGINEERING

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Samayapuram, Tiruchirappalii - 621 112.

DEPARTMENT
OF
ELECTRICAL & ELECTRONICS ENGINEERING



XRYPTO-18

NATIONAL LEVEL TECHNICAL SYMPOSIUM

2nd AUGUST 2018

Certificate
of Excellence

This to certify that M/Ms A. Ajith Arumugam IV-EEE of Saranathan College of Longineering

has secured FIRST in the BREAK FOR BAIL event of KRYPTO-18.

An IEEE sponsored National Level Technical Symposium held on 2rd August, 2018.

HOD/EEE Dr.K.Dhayalini 1/2 (m) **

PRINCIPAL Dr.D.Srinivasan



TIRUCHENCODE - 687 215, TAMIL NADU, INDIA



ICMR Sponsored National Symposium on

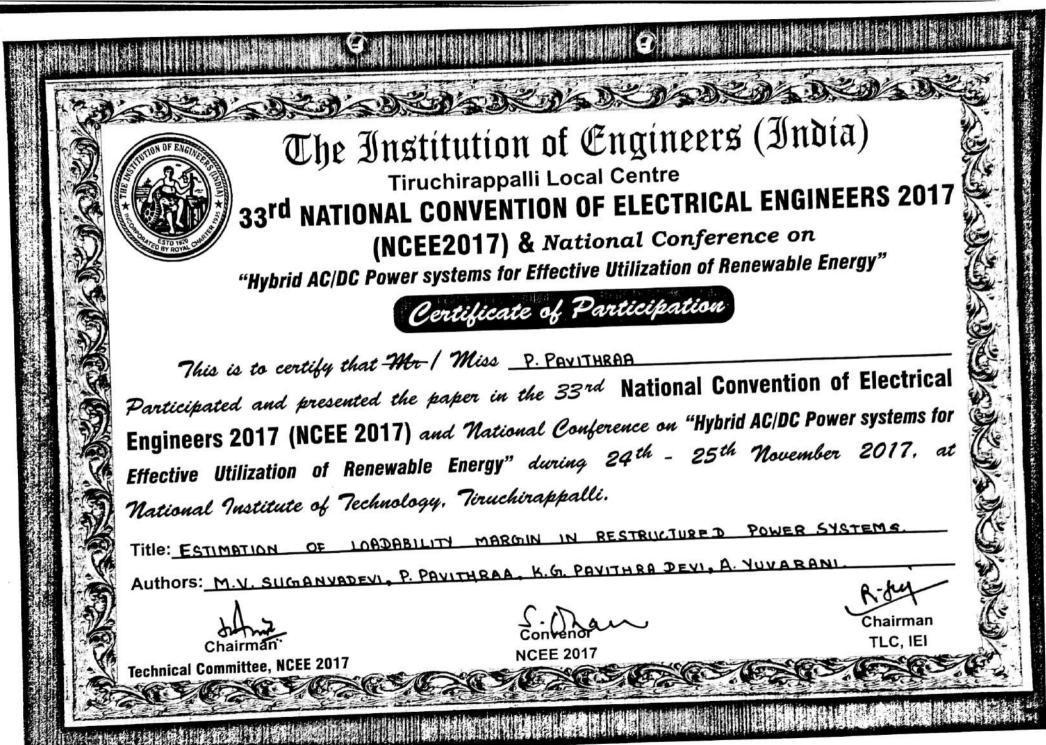
Internet of Things: Unlocking New Solutions in HealthCare

Certificate of Appreciation

This is to certify the	at Mr /Ms <u>N</u>	MEENATCHI	V			_ of
SARANATH COLLEGE OF ENGINEERING		has	won	FIRST	PRIXE	
in PAPER PRESENTATION	i	in ICMR sponse	red N	(ational S	Symposiu	m on
"Internet of Things: Unlocking New Solutions	s in Healthca	are"organised by	Дер	artment	of Electro	onics
and Communication Engineering and IEEE EMB	S during 13th 6	L 14 th October,	2017.			

Convener

Principal



KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY



(Accredited by NAAC with B++ Grade, Approved by AICTE-New Delhi,
Affiliated to Anna University, Chennai, An ISO 9001:2008 Certified Institution)
Namakkal - Trichy Main Road, Tholurpatti(P.O),
Thottiam(Tk), Tiruchirapplli - 621215.

One Day National Conference On

ENGLISH LANGUAGE, LITERATURE AND CULTURE

Organized By Department of English

CERTIFICATE OF APPRECIATION

This is to certify that Dr. / Mr. / Ms. VISHNUCHANDER, I'- FEE
of SARANATHAN COLLEGE OF ENGINEERING has Participated / Presented a
paper on TEACHING ENGLISH AS A SECOND LANGUAGE in the
National Conference held on 4th March 2017.

ORGANIZING SECRETARY

PRINCIPAL



Organizer

KonSunadu COLLEGE OF ENGINEERING & TECHNOLOGY



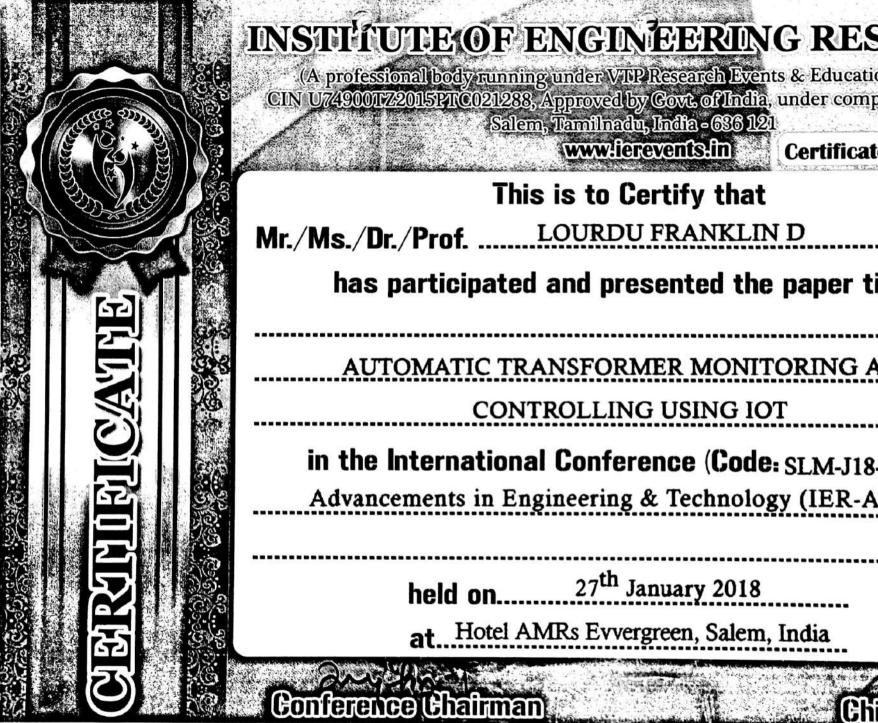
(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennal)
(Accredited by NAAC with B++ Grade, An ISO 9001:2000 Certified Institution)
Namakkal - Trichy Main Road, Tholurpatty - 621 215, Thottiam Taluk, Trichy.

NATIONAL LEVEL, TECHNICAL SYMPOSIUM 2K'17

Certificate

This is to certify that Mn/Mrs./Ms. K. Abinaya
of Saranathan College of Engineering
has won the First / Second / Third place in the event / paper presented on
AI in Electrical Engineering
one day National Level Technical Symposium - TEK CLUSTER'17 organized by the
Department of Flectrical & Electronics Engineering
on 12 th August, 2017.

Page 131/of 242



INSTITUTE OF ENGINEERING RESEARCH

(A professional body running under VTP Research Events & Education Pvt. Ltd., CIN U749001722015PTC021288, Approved by Govt of India, under companies act 2013)

Certificate No. O. LA.

has participated and presented the paper titled

AUTOMATIC TRANSFORMER MONITORING AND

in the International Conference (Code: SLM-J18-03) on

Advancements in Engineering & Technology (IER-AET'18)

Page 132 of 242



(Approved by AICTE, New Delhi & (Willated By Anna University, Chennal) Venkateswara Nagar, Panjapur, Tiruchirapalli-620012

Department of Electrical and Electronics Engineering

In association with



The Institution of Engineers (India), Kolkata

CERTIFICATE

This is to certify that Mr./Ms. FRANCIS ADAIKALA RAJ. A	Participated and
presented a Paper entitled AUTOMATIC ENERGY METER READING S	YSTEM
USING GSM MODEM	
in the National Conference on "Cutting Edge technologies in Electrical, Communication and	Soft Computing
techniques" (NCCEECS'18) held on 9th March 2018 organized by Department of EEE, Saranathan Colle	ge of Engineering,
Firuchirapalli, under the sponsorship of The Institution of Engineers (India), Kolkata.	

Dr.S.VIJAYALAKSHMI Organising Secretary

Dr.C.KRISHNAKUMAR Professor & Head/EEE Convener Dr.D.V.ALAVAN Principal

Scanned with CamScanner



ECHOWN

CERTIFICATE

International Conference on Modern Global Research in Engineering and Technology

Perambalur 10th March 2018

This is to certify that A. FRANCIS ADAIKALA RAJ of

SARANATHAN COLLEGE OF ENGINEERING, TRICHY has done

his/her excellence is presenting research paper titled

GSM BASED AUTOHATIC ENERGY HETER READING SYSTEM.

..... at Perambalur 10th March 2018

Jan 1-1

SECRETARY



V. DE M

PROGRAM CHAIR



CERTIFICATE

OF SARANATHAN COLLEGE OF ENGINEERING

has participated in the Two Days INTERNATIONAL

CONFERENCE ON "CONTEMPORARY TOPICS IN

ELECTRICAL AND ELECTRONICS ENGINEERING"

from 27-02-2018 to 28-02-2018 Organized by

Department of Electrical and Electronics Engineering.

OF PARTICIPATION

This is to certify that

Rediscover K. Pare I Beedlastin

ŢŪſĊijĊijĸŎŢſŢĬŢŶſijĬŢŧĊĊĬţŎŴijĸŎIJŢĬVĊſĬĬŊĊĬijŎĸĬĸĸĬ ŶijŴĸŊĸĊĸĬijĸĸĸijĸĠĬŢĬĸĸĸŎĊĬĬŊijĸĸĸĊĸĬijĸŊĬĸĸĸĊĸĸĸĸijijij

K. Ramanh L

Organizing Secretary Dr.K.Ramash kumar

Dr. / Mr. / Ms. R. GIOKULAN

Dr.T.Rammohan

Principal Dr.P.Vijayakumar



Decennium Year 2017-2018

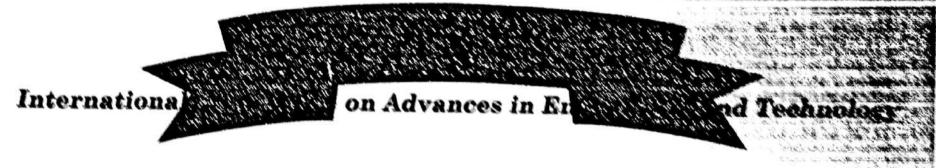
KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University)

(Established Under Section 3 of UGC Act, 1986)

Enchanari Post, Coimbatore - 641021, Tamilanda, India

Department of Mechanical Engineering



Organising Secretary

Convener



ayantra

さつとうとう。 ゆがゆる 西 ちにも付かて ちく

1 RTS Lab

Department of Computer Science and Engineering Indian Institute of Technology Bombay Powni, Munibai 406 676



Certificate of Participation

This is to certify that N Muthu Karuppan, a student of Saranathan College of Engineering, Tiruchirappalli has participated in the Regional Finals of the e-Yantra Ideas Competition (eYIC-2018) held at Dr. G R Damodaran College Of Science, Coimbatore on Wednesday, 21st February 2018.

He/She is a member of the team having the following team members,

- 1. N Muthu Karuppan
- 2. Leo Aldrinraj A S
- 3. Madhanraj
- 4. G Manoranjan

Mentored By: Prof. Gayathri Natarajan

This team demonstrated the project titled "Apetral For Smart Case Development (Air Pollution Control And Traffic Management Drone)".



Prof. Kavi Arya Principal Investigator, c Yantra Professor

Department of Computer Science and Engineering Indian Institute of Technology Bombuy



Nedatasens and recoducion place propositions

s & arrive is a project aposture of by Militals. Lorent rement of hulls, ander the National Mission on Education through ICT (NMEICT).

t arithmen al filente consiste a fragion traine.

Lacationen al transportant area X. L. train in conspicting al les activisé le congestion.

Lacationen al trainingation expensive trains le partie conspiction d'activité des les conspictions.

Lacation al fire improperture expensive training activité principation et ... fragion. Activité de la conspiction et ... fragion.





SARANATHAN COLLEGE OF ENGINEERING TRICHY – 620 012

IEI STUDENTS' CHAPTER

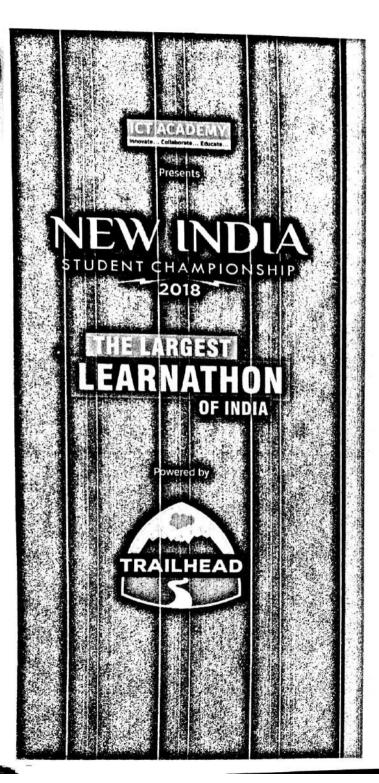
Department of Electrical and Electronics Engineering

Certificate

This is to certify that K.SUBALAKSHMI

has won the FIRST Place in the QUIZ COMPETITON conducted by IEI students' chapter on 15-09-2017 (Engineer's Day) at Saranathan College of Engineering.

Dr. C. Krishna Kamar (Head- Dept of EEE) Dr. D. Valavan
(Principal)



Certificate of Participation

UDHAYANIRANJANA. V III YEAR EEE

SARANATHAN COLLEGE OF ENGINEERING

TRICHY TAMILNADU

has participated in

NEW INDIA STUDENT CHAMPIONSHIP 2018

The Largest Learnathon of India

conducted on 03 Feb 2018.

Rajesh R Nambiar Salesforce Academic Alliance Project Number

	L ENGINEERING COLLEGE ELECTRICAL & ELECTRONICS ENGINEERING
CERTIFICAT	E OF PARTICIPATION (
Of SPRANDITHAN COLLEGE OF ENGINEER	that Mr. / MsVISWANDINAN M Button Is the part of the National Level Technical Symposiu 2 , 2017.
Mrs.G.AngalaParameswari & Dr.S.Premalat	tha Dr.S.Srinath Dr.N.Duraipandian HOD/EEE PRINCIPAL

National Institute of Technology Tiruchirdopalli

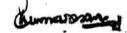


CERTIFICATE OF $\mathcal{P}_{\mathsf{ARTICIPATION}}$

'I his is to certify that	
Mr./ Ms. C. SRI LAXMIE KRISHNA	of
SARANATHAN COLLEGE OF ENGINEERING	has
participated in the	ised
by Currents '18, the national level technical symposium of	the
Electrical and Electronics Department of National Institut	e of
Technology, Tiruchirappalli, held from 15th to 18th of Februa	ary.
2018.),

H. Ruturage.

Mr. H. Ruthrash Chairman, EEEA



Dr. N. Kumaresan Faculty Advisor, EEEA S. Indhe

Dr. S. Sudha HoD, EEE

powered by

u-n-i-q technologies

M.A.M. COLLEGE OF ENGINEERING

Accredited by NBA, Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai, An ISO 9001: 2008 Certified Institution, Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621105.



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

ELENTRUS - 2K18

CERTIFICATE

	This is to certi	fy that Mr./Ms	J. sherrin	Banu	of
ی	aranathan	College of	Engg. Taichy	J I	has participated in the event
of	Jucce	gle it		(F)	
and secured	2 nd pr	ize in " ELENTRU	IS - 2K18" - NATIO	NAL LEVEL T	ECHNICAL SYMPOSIUM
conducted by	M.A.M. College	of Engineering on	31 st August 2018.		

C. Karthick HOD/EEE

Dr. 3. Ravimaran
Principal

rof. U.S. Sarvadayaparan Director

Dr. M.A. Mohamed Nizam Secretary & Correspondent





K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY

pproved by AICTE, New Delhi & Affiliated to Anna University Chenna Accredited with 'A+' grade by NAAC

Samayapuram, Tiruchirappalli - 621112, Tamilnadu, India

www.krct.ac.in



SUPPORTED BY















Certificate of Participation

This is to certify that

Prof. / Dr. / Mrs. / Ms. M. PRIYANGA

of SARANATHAN COLLEGE OF ENMINEERING

has Participated / Presented a paper on PATIENT HEALTHLARE

MONITORING SYSTEM IN AMBULANCE USING TOT

in two day International Conference (ICONNECT - 2K17) organized at

K.Ramakrishnan College of Technology, Trichy on 28th and 29th March, 2017.

-ORDINATOR

PRINCIPAL

Page 143 of 242



Certificate of Participation

This is to certify that

Prof. / Dr. / Mr. / Mrs. / Ms. M. RIZWANA

of SARANATHAN COLLEGE OF ENGINEERING

has Participated / Presented a paper on SIMULATION OF SINGLE

PHASE MATRIX CONVERTER USING SPWM FOR LOW FREQUENCY MOTOR CONTROL APPLICATION in two day International Conference (ICONNECT - 2K17) organized at

K.Ramakrishnan College of Technology, Trichy on 28th and 29th March, 2017.

O-ORDINATOR

PRINCIPAL





ALL INDIA DESIGN COMPETITION FOR ENGINEERING STUDENTS - 2016

GOLD MEDAL

in

ELECTRONICS & TELECOMMUNICATION ENGINEERING

Awarded to

RENGA PRAKASH S.

Bhattacherija. Secretary &

Chairman

Board of Governors, NDRF

President

Page 145 of 242



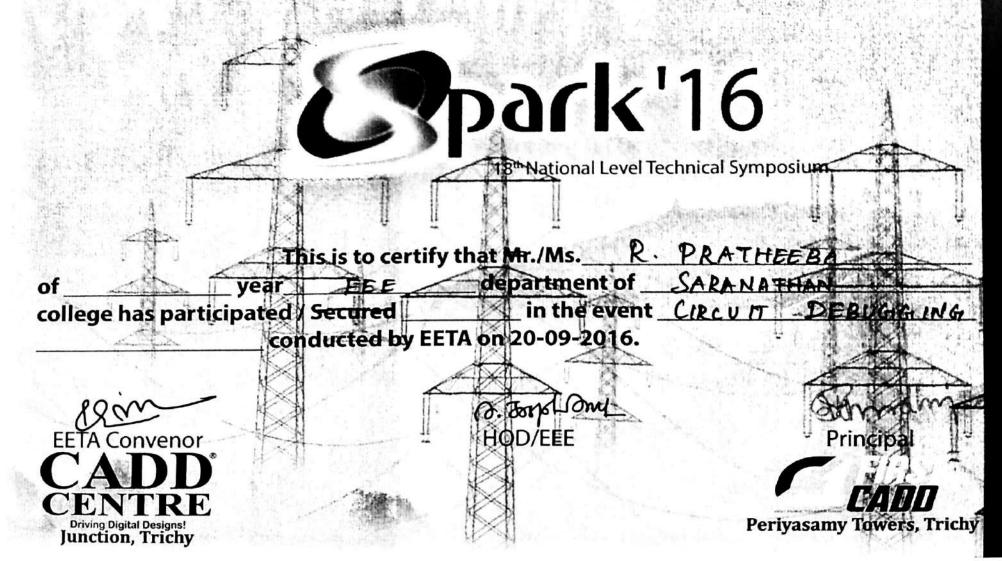
J.J.College of Engineering and Technology





Ammapettal, Trichy-09

(Affiliated to Anna University of Technology, Chennai, ISO 9001:2008 Certified and NBA Accredited Institution)





J.J.College of Engineering and Technology



AMMAPETTAL TRICHM-09

(Affiliated to Anna University of Technology, Chennai, ISO 9001:2008 Certified and NBA Accredited Institution)



18th National Level Technical Symposium

	This is to certify	that Mr./Ms. M.	KAMALACHANDAR
of FINAL YE	ar EFF		SARANATHAN
college has participa	11.00	in the event_	WORKING MODEL
	conducted by EE	TA on 20-09-2016.	



HOD/EEE

CADD
Periyasamy Towers, Trichy

Principa

Page 147 of 242



PARISUTHAM INSTITUTE OF TECHNOLOGY & SCIENCE

Kamaraj Nagar, NH-67 Ring Road, Nanjikottai, Thanjavur 613 006



Black & White '16' An Inter College Tech Fest

Certificate of Achievement

This is to Certify that

	Mr / Ms. R. ARUNPRAGAMA
	representing SARANATHAN COLLEGE OF ENGIN
	has P articipated / Won Prize in
)	CIRCUIT DEBUGGING Conducted by the
	Department of EEE
	at Black & White '16 Tech Fest conducted from
	24th August to 26th August - 2016

All night

Director - Technical Activities

Page 148 of 242

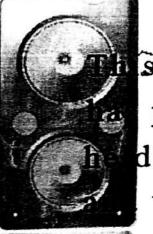


SARANATHAN COLLEGE OF ENGINEERING

VENKATESWARA NAGAR, PANJAPPUR, TIRUCHIPA 620012



CERTIFICATE OF A CHIEVE MENT



participated in the even d at Saurathan Coffege of Ligins ring, Trich

won the first/second/third rize.



Dr.M.Padmaa Saaral Coordinator

Dr.D. Valavan Principal



DILECTOR LO EDETECT OF ENGINEERING



(AN ISO 9001:2008 CERTIFIED INSTITUTION) TRICHY - CHENNAI TRUNK ROAD, SIRUGANUR, TIRUCHIRAPPALLI.

DEPARTMENT OF ELECTRORIES AND INSTRUMENTATION ENGINEERING

A NATIONAL LEVEL TECHNICAL SYMPOSIUM

IN IA

Certificate of Merit

THIS IS TO CERTIFY THAT MR. / MS	M. MEENA KUMARI
----------------------------------	-----------------

OF SARANATHAN COLLEGE OF ENGINEERINGHAS SECURED 1/H/H PARTICIPATED

IN PAPER PRESENTATION



Certificate of Appreciation

SARANATHAN COLLEGE OF ENGINEERING has Won / Participated in

PAPER PRESENTATION in e-WHIZZ '16, A National Level'
Technical Symposium Organised by Department of Electrical and Electronics

Engineering on 1st march 2K16.



Co-ordinator



Date: 27.08.2015



30 9001

(An ISO 9001 : 2008 Certified Institution)

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

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

Department of Electrical & Electronics Engineering

CALNIX ZKIS

Uniformal (exel feedinfeed) Symposium

CERTIFICATE OF APPRECIATION

This is to certify that Mr./ As M. FIARI

of SARANATHAN COLLEGE OF ENGG has Won +/ II / HH

Prize / Participated in PAPER PRESENTATION contest.

Dr. Stiltus

Dr. S. Revimaran

Prof. U.S.Sarvadayaparan

Page 152 of 242



SRI BHARATHI

ENGINEEERING COLLEGE FOR WOMEN

KAIKKURICHI, PUDUKKOTTAI-622 303

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

DEPARTMENT OF ECE & EEE

A NATIONAL LEVEL TECHNICAL SYMPOSIUM POTENZIA"16

<u>Certificate</u>

This is to certify that Mr/Ms. A. VALSHNAVA DEVI. of SARANATHA

COLLEGIE OF ENGINEERING has presented a paper entitled Landquake evalution of conv

buildings...using...and Secured.......I........Place in National Level Technical Symposium Lowpower wireless Semon N/w
(POTENZIA'16) Organized by Sri Bharathi Engineering College for Women,

Kaikkurichi, Pudukkottai-622 303, on 12th March 2016.

CONVENER

Page 153 of 242 CIPAL





SRI BHARATHI

ENGINEERING COLLEGE FOR WOMEN

KAIKKURICHI, PUDUKKOTTAI-622 303
Approved by AICTE New Delhi & Affiliated to Anna University, Chennai.

DEPARTMENT OF ECE & EEE

A NATIONAL LEVEL TECHNICAL SYMPOSIUM

POTENZIA"16

<u>Certificate</u>

This is to certify that Mr/Ms B.: THIRUMURUMAN	of. S. ARAN. ATHA
COLLECTEOFENDINEERING has participated the eventC.IRCULT	DEBUGUING
	hnical Symposium
(POTENZIA'16) Organized by Sri Bharathi Engineering Co	ollege for Women,
Kaikkurichi, Pudukkottai-622 303, on 12 th March 2016.	

CONVENER

Page 154 of PRINCIPAL



Date: 27.08.2015



M.A.M. COLLEGE OF ENGINEERING

(An ISO 9001 : 2008 Certified Institution)

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

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

Department of Electrical & Electronics Engineering

CALNIX ZUIS

national level Technical Lympoxium



Dr. S. Titus

Dr. S.Ravimaran

Prof. U.S.Sarvadayaparan



SRI BHARATHI

ENGINEERING COLLEGE FOR WOMEN

KAIKKURICHI, PUDUKKOTTAI-622 303 Approved by AICTE New Delhi & Affiliated to Anna University, Chennai.

DEPARTMENT OF ECE & EEE

A NATIONAL LEVEL TECHNICAL SYMPOSIUM POTENZIA"16

<u>Certificate</u>

This is to certify that Mi	r/Ms. M. MEENAKUMARI	of SARANATHA
ENGINEERING C	OLLEGIEhas participated the event	ONNEXTION
and secure	ed. T. Place in National Leve	el Technical Symposium
(POTENZIA'16)	Organized by Sri Bharathi Engineeri	ng College for Women,
Kaikkurichi, Pudukkott	ai-622 303, on 12th March 2016.	

CONVENER

PRINCIPAL Page 156 of 242

CHAÎRMAN



The Institution of Engineers (India)



TIRUCHIRAPPALLI LOCAL CENTRE



This is to certify that Shri. J. Keerthana, BE (EEE), of Saranathan College of Engineering, Electrical and Electronics Engineering, Student Chapter participated in the Elocution Competition and won the Third Prize. The Competition Organised in connection with 49th Engineers Day, 15 Sep 2016.

Honorary Secretary

Chairman



CERTIFICATE OF PARTICIPATION

Mr. Aaditya R Dhoot Chairman, ELECRAMA-2016

&

Mr. Babu Babel President, IEEMA

along with the organising committee of ELECRAMA-2016 & IEEMA Executive Council is proud to award this certificate to

Mr. Hari M

Saranathan College of Engineering

With Team Project - PR-625395

Power Quality Analyzer at Affordable Cost for Academic Applications

for participation in Engineer Infinite 2016, a National Level Engineering Student Project Competition seeking practical solutions to challenges in the Electrical Energy Sector, held at

ELECRAMA-2016

Mr. Aaditya R Dhoot

Chairman, ELECRAMA-2016

V(VM

Mr. Babu Babel President, IEEMA

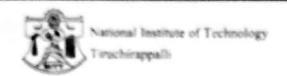
00-1



Organised by:









Certificate of Participation

This is to certify that

Mr. / Ms. _ THWARAKKESH & B

of SARANATHAN COLLEGE OF ENGINEERING

has participated in the TECH QUIZ

event werkshop organized by Currents' 16.

the national level technical symposium of the

Electrical and Electronics Engineering Department

of National Institute of Technology, Tiruchirappalli,

held from 18th to 21st February, 2016.

Dr. K. Sundareswaran HoD - EEE H. Kel. Cht.

Dr. M. Venkata Kirthiga Faculty Advisor- EEEA Und al Que

Mr. Sudarshan V. Chairman - EEEA



Powered by



ICE

Daki 8

Certificate of Participation

This is to certify that

Mr./Ms. KIRTHIKA...Y......O

the Workshop on Big Data from 24th February to 25th February,2018 at

SASTRA (Main Campus).

Student Co-ordinator

V Com

Chairman



K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY

SAMAYAPURAM, TIRUCHIRAPPALLI-621112. Approved by AICTE, New Delhi and affiliated to Anna University, Chennai.

Accrediated With A' by NAAC & an ISO 9001-2015 certified institution



NATIONAL SCIENCE DAY 2K18

Gertificate of Appreciation

The state of the s	
This is to certify that Mr/Ms. AHAHED ZUHOOR. A. G.	of
_SARANATHAN_COLLEGE BF ENGINEERING_ has Secured HH/IH	1.1
in the event TECHNICAL QUIZ.	in the
"National Science Day 2k18" held on 16th March 2018.	* *
	\$2 54 - 12 10 85

[Dr.S. Karthickprabhu]

(Ms.M.Divyabharathy)

(Mr. R. Dhafidàpani)

(Dr. S.Kalavathy)

Principal

(Dr.S.Muruganandam)



K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY

SAMAYAPURAM, TIRUCHIRAPPALLI-621112.
Approved by AICTE, New Delhi and affiliated to Anna University, Chennai.
Accrediated With A. by NAAC & an ISO 9001-2015 certified Institution

Diamamiana of Sciences and Economical 23

NATIONAL SCIENCE DAY 2K18

Certificate of Appreciation

This is to cer	tify that Mr/Ms.	. P. Charvin Ohz	usesh	of
Saranathan C	Sollege of Engi	neeringhas Secure	I I/II/III/Cons	olation position
in the event_		Leaphica	1 duiz	in the
"National Scien-	ce Day 2k18" held	on 16th March 20	18.	
				•
		-	6 14 6	
Rathin	Mohuly	Constinator	Dean	Principal
Convenor Dr.S. Karthickprabhu)	Co-Conventor (Ms.M.Divyabharathy)	(Mr. R. Dhandapani)	(Dr. S.Kalavathy)	(Dr.S.Muruganandam)



COMPUTER SOCIETY OF MIT

CERTIFICATE

OF



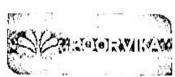


This is to certify that Mr/Ms . TEENA . S
SARANATHAN ENGINEERING COLLEGE bas participated in the event LINE FOLLOWER
of CARTE BLANCHE' 18, an Inter College Technical Symposium held from February 9th to
11th, 2018 organised by Computer Society of MIT, Madras Institute of Technology, Anna University, Chennai.



Kanshik . ~

D KAUSHIK CHAIRMAN, CSMIT



D PIRATHEDA STAFF-IN-CHARGE, CSMIT



T CATHERINE BINA
HEAD, COMPUTER CENTRE



Certificate of Participation

Held on Date:- 18-22 March 2018

Venue: Kub no Adu. Campus, Mehsana, Gujarat

TECH YEAT HOLD





Dynamist Motorsports Pvt. Ltd

Regis Off A.S. First Floor Nand Ram Park, Uttam Nagat, New Delhi India-110059



National by strute of Technology Trustrapoach



Certificate Of Participation

This is to appreciate the valuable participation of Mr/Wiss NASHMMA BEGAM M.

SARANATHAN COLLEGE OF ENGINEERING ..

who participated in Bensors'18, the national level technical symposium of Dept of Instrumentation and Pontrol Engineering, Kit Trichy in Brain-0-Brain

on January 29-30, 2018

balod-

BALA DHURGESH

OVERALL COORDINATOR

MURALIDHARAN

RAN E STASUKI



PAAVAI ENGINEERING COLLEGI

(AUTONOMOUS, NAAC 'A' GRADE, NBA ACCREDITED)

NH-44, Pachal, Namakkal - 637 018.



DEPARTMENT OF SCIENCE AND HUMANITIES

PECMA - 2K18

4th National Level Technical Symposium

This is to certify that Mr. / Ms AHE	INDED ZUHOOR A.G
of SARANATHAN COLLEGE	OF ENGINEERING won participated in
TREASURG HUNT	in the National Level Technical Symposium, PECMA-2K18, held on 25.4.18
	Bun
Convenor	Principal Chairman



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS, NAAC 'A' GRADE, NBA ACCREDITED) NH-44, Pochal, Namakkal - 637 018.

DEPARTMENT OF SCIENCE AND HUMANITIES

PECMA - 2K18

4" National Level Technical Symposium

This is to certify that Mr. / Ms	<u> </u>		
of SARANATHAN COLLEGE OF	ENCHINEERING	Won	participated in
DEBATE -TANTL	in the National Level Technical Sympo	osīum, PECNI4-2K18, h	eldon 25.4.18
	Britis	Ĭ	
Cenvenor	Principal	¢	Chairman
			21



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS, NAAC 'A' GRADE, NBA ACCREDITED)
NH-44, Pachal, Namakkal - 637 018.

DEPARTMENT OF SCIENCE AND HUMANITIES

PECMA - 2K18

4th National Level Technical Symposium

This is to certify that Mr./As.	FAHAD: M	
of CARAMETHAN C	OUTED OF ENGLINEE	RING won I place / participated in
PAPER PRESENTATION -	CHEM (STRy in the National Level Techni	ical Symposium, PECMA-2K18, held on 95. 4.18
	Recoi	
Conenor	Principal	Chairman



PAAVALENGINEERING COLLEGE

(AUTONOMOUS, NAAC 'A' GRADE, NBA ACCREDITED)
NH-44, Pachal, Namakkal - 637 018.

DEPARTMENT OF SCIENCE AND HUMANITIES

PECMA - 2K18

4th National Level Technical Symposium

This is to certify that \text{\text{Hre}} \text{Ms.}	S.P. MAHALAKSHMI	
of SARANATHAN COLLEGE	OF ENGINEERING	won place / participated in
DEBATE (TAMIL)	in the National Level Technical Symposium	PECMA-2K18, held on 25.04.18
	s Še	1 de la companya della companya della companya de la companya della companya dell
Commenor	Principal	Chairman



PANVALENGINEERING COLLEGE

NH: 44; Pachal, Namakkali -: 637-018.



DEPARTMENT OF SCIENCE AND HUMANITIES

PECMA - ZICIB

4th National Level Technical Symposium

	*This is to certif	y that Mr. / Ms.	_SHARWI	NSH AK	ESH P		
(of <u> </u>	SARANAT	HAN.	College	OF EN	gine Erring	won	place / participated in
	Fw						(18, h eld on 25. 4. 18
	A	Xi.			yes.		
		Convenor			Principal		Chairman



Saranathan College of Engineering Department of Information Technology

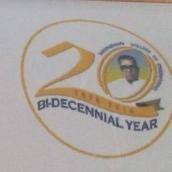
Intra-Institute Co-curricular Activities:

_		2017	7-2018		
S.NO	Name Of The Student	Event	Venue	Year	
	C.Sushmitha	Python-Workshop	Saranathan College of Engineering	2017-2018	
2	Sivapriya	Python-Workshop	Saranathan College of Engineering	2017-2018	
3	Indumathy	dumathy Python-Workshop Saranathan College of Engineering		2017-2018	
4	M.Priyadharshini	Python-Workshop	Saranathan College of Engineering	2017-2018	
5	R.Samitaasri	Impact of Technology- Bluewhale-	Saranathan College of Engineering	2017-2018	
6	Akila	Impact of Technology- Bluewhale-	Saranathan College of Engineering	2017-2018	
7	S.Regavendra Vignesh			2017-2018	
8	S. Vignesh IOT-Application Saranathan College of Engineering		2017-2018		
9	N.Saran IOT-Application Saranathan College of Engineering		2017-2018		
10	N.Saran	Miniproject Contest-II	Saranathan College Of Engineering	2017-2018	
11	S.Vignesh	Miniproject Contest-II	Saranathan College Of Engineering	2017-2018	
12	S.Ragavendra Vignesh	Miniproject Contest-II	Saranathan College Of Engineering	2017-2018	





SARANATHAN COLLEGE OF ENGINEERING TIRUCHIRAPALLI



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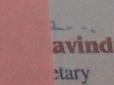
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Saranathan College of Engineering, Trichy, in commemoration of 126th Birth Anniversary of Prof. SARANATHAN

Former Principal, National College, Trichy.

Dr. D. Valavan
Principal

Prof. V. Nagarajan
Page 175 of 242ector





SARANATHAN COLLEGE OF ENGINEERING TIRUCHIRAPALLI



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Saranathan College of Engineering, Trichy, in commemoration of 126th Birth Anniversary of Prof. SARANATHAN,

Former Principal, National College, Trichy.

Dr. D. Valavan
Principal

Prof. V. Nagarajan
Director

Shri. S. R Secr

Page 176 of 242



SARANATHAN COLLEGE OF ENGINEERING



TIRUCHIRAPPALLI – 620 012

DEPARTMENT OF INFORMATION TECHNOLOGY

CERTIFICATE

This is to certify that Mr/Ms. V. VijayAishwarya has secured 1st place in the event of "Coding contest" organized by the Department of INFORMATION TECHNOLOGY, Saranathan College of Engineering on 06.02.2018

R. Simetti

HoD

PRINCIPAL



SARANATHAN COLLEGE OF ENGINEERING Department of Information Technology

DO-IT ASSOCIATION

06.02.2018

Submitted to the Principal

Sub: Report on intra-department Coding Contest - 6.2.2018-Even semester-2017-2018.

- Department of Information Technology has organized intra department coding contest. The II & III year students were informed about the coding contest during the last week of January. Contestants were asked to write computer programs in any(c and c++) languages capable of solving each problem. Selection is based upon the number of problems solved.
- The circular was put up in the notice board. They were asked to register their names to the staff coordinator.
- Contest was organized in two rounds. 74 students—37 from III year & 37 from II year
 have participated in the first round. 20 students -11 from III year & 9 from II year were
 short listed for the final round.
- · The prize winners are
 - I Prize Vijay Aiswarya V of III year IT
 - II Prize Hariharan. S of II year IT
 - III Prize Jayashree. K of III year IT



Participants from 2nd and 3rd Year of IT

Staff Coordinator

Head of the Department

Page 178 of 242



SRM - TRP ENGINEERING COLLEGE

Irungalur, Tiruchirappalli - 621 105. www.trpengg.ac.in



In Collaboration with
THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS (IETE)





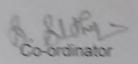
"TEKMAZE" 2018

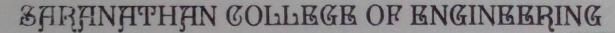
A National Level Project Contest

Certificate

This is to certify that Mr/MsRSOMMDMARYA	
of Sananathan College of Engineering	has
won 1/ H/ HI Prize for the project entitled HUHAN BEING	

in "TEKMAZE'2018", A National Level Project Contest held on 23rd March 2018.





Department of Information Technology

Certificate

This is to certify that Mr/Ms S. Ragavendra Vignesh of the ______ year Information Technology has won I/II/III place in the "Mini Project Contest" conducted on 25.03.2017.

R.S-IL

Dr. R. Sumathi HOD / IT Dr.D.V



KonSunadu COLLEGE OF ENGINEERING & TECHNOLOGY



Chairman

(Approved by AICTE. New Deihi, Affiliated to Anna University, Chennai)
(Accredited by NAAC with 8++ Grade, An ISO 9001:2000 Certified Institution)
Namakkal - Trichy Main Road, Tholurpatty - 621 215, Thottiam Taluk, Trichy.

NATIONAL LEVEL TECHNICAL SYMPOSIUM 2K'17

Certificate

This is to certify that Mr./Mrs./Ms N. S. A.R.A.N.
COLLEGE OF ENGINEERING
rids wolf the First / Seeand / Third place in the event / paper presented as
TECHNICAL QUIZ
one day National Level Technical Symposium - TEK CLUSTER'17 organized by the
Department of INFORMATION TECHNOLOGY
on 12th August, 2017.

Principal

Page 181 of 242



KonSunadu COLLEGE OF ENGINEERING & TECHNOLOGY



Accredited by NAAC with B++ Grade, An ISO 9001 2000 Certified Institution

Namakkal - Trichy Main Road, Tholurpatty - 621 215, Thottiam Taluk, Trichy.

NATIONAL LEVEL TECHNICAL SYMPOSIUM 2K'17

Certificate

This is to certify that Mr./Mrs./Ms S. VI.G.N.E.S.H.
of SARANATHAN COLLEGE OF ENGINEERING
has won the First / Second / Third place in the event / paper presented on
TECHNICAL QUIZ
one day National Level Technical Symposium - TEK CLUSTER'17 organized by the
Department of I.NFORMATION TECHNOLOGY
on 12th August, 2017.

J.J. College of Engineering and Technology

(An ISO 9001 - 2008 Certified Institution) Tiruchirappalli-620009



Computer Neurons Association



NETCOM 2K17

CERTIFICATE

OF APPRECIATION

This is to certify that

Mr./Ms.. N. SARAN of .. Saranathan College .. of ... Engg ... College has secured Ist/IInd/HIrd position in the eventQ.U.Z.z.....held on 6th October, 2017 at JJCET.

P. Kne ex President/CNA

J.J. College of Engineering and Technology

(An ISO 9001 - 2008 Certified Institution)
Tiruchirappalli-620009



Computer Neurons Association



NETCOM 2K17

CERTIFICATE

OF APPRECIATION

This is to certify that

Mr./Ms. N. SARAN.

of ... SARANATHAN ... COLLEGE ... DR. ENG. College has secured ... Ist/IInd/HIrd position in the event held on 6th October, 2017 at JJCET.

President/CNA

Convenor

1.1. College of Engineering and Technology

(An ISO 9001 - 2008 Certified Institution)
Tiruchirappalli-620009



Computer Neurons Association



NETCON 2K17

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This is to certify that

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resident/CNA

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Namakkal - Trichy Main Road, Thefurpatty - 621 215, Thottiam Taluk, Trichy,

NATIONAL LEVEL TECHNICAL SYMPOSIUM 2K'17

Certificate

This is to certify that Me/Mes./Ms. M. FAHIMA AFRIN	
OF SARANATHAN COLLEGE OF ENGINEERING	***************************************
has won the First / Second / Third-place in the event / paper presented on	
TECHNICAL QUIX	
one day National Level Technical Symposium - TEK CLUSTEP'17 organiz	ed by the
Department of INFORMATION TECHNOLOGY	
on 12th August, 2017.	-
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KonSunadu COLLEGE OF ENGINEERING & TECHNOLOGY



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(Accresited by NAAC with 5 -- Grade, An ISO 9001 2000 Carpled Institution)
Namakkal - Trichy Main Road, Tholurpatty -- 621 215, Thottlam Taluk, Trichy.

NATIONAL LEVEL TECHNICAL SYMPOSIUM 2K'17

Certificate

This is to certify that Mr./Mrs./Ms
OF SARANATHAN LOLLEGE OF ENGINEERING
has won the First / Second / Third-place in the event / pages presented on
TECHNICAL QUIZ
one day National Level Technical Symposium - TEK CLUSTER'17 organized by the
Department of I N.FO.R.MATIO.N. TECHNOLOGY
on 12th August, 2017.

Page 187 of 242



optima - 2K17

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FROMSARANIATHANI COLLEGE DE ENGINEERING	Str. Physical
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Staff Advisor
 Department of
 Computer Applications



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Head
Department of
Computer Applications





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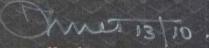
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FROM SARANATHAN COLLEGE OF ENGINEERING

IS THE WITTIER OF THE EVENT BRILL OF MINDS IN THE

NATIONAL LEVEL TECHNICAL SYMPOSIUM "OPTIMA 2K17" ORGANISED

BY M.SC., COMPUTER SCIENCE, DEPARTMENT OF COMPUTED APPLICATIONS.



Staff Advisor
Department of
Computer Applications



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Head Department of Computer Applications



OPTIMA - 2K17

THIS IS TO CERTIFY THAT THE TUS KM AKILA
FROM SARANATHAN COLLEGE DE ENGINEERING

IS THE WITNER OF THE EVENT BATTLE OF MINDS IN THE NATIONAL LEVEL TECHNICAL SYMPOSIUM "OPTIMA 2K17" ORGANISED

BY M.SC., COMPUTER SCIENCE, DEPARTMENT OF COMPUTER APPLICATIONS.

Staff Advisor
Department of
Computer Applications

Page 190 of 242 POORVIK

S-R-20 Downstreer

Head

Department of

Computer Applications

PANIMALAR INSTITUTE OF TECHNOLOGY



Department of Computer Science and Engineering
Accredited by National Board of Accreditation(NBA)



National Level Technical Symposium

PRAYUDH'18

CERTIFICATE OF MERIT

This is to certi	fy that Mr./Ms	VIGNESH .	5
of SARANATHAN	COULERE OF	ENG INEERING	
has secured FIRST	prize in	EBUGGING	
held as a part of the Na	tional Level Techni	cal Symposium- PR	AYUDH'18 on 21st February 2018
V. Subelle HOD			Of the second se
(Dr. V. Subedha)	SUITER SOCIETY OF	ACADEMY	IEEE (Dr. T. Jayan

Page 191 of 242

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NSN COLLEGE OF ENGINEERING AND RECHNOLOGY

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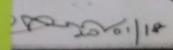
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(Dr.P.(GONATHI))

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ACCOCIATION OF COMPUTER COLENCE AND ENGINEERING

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in association with MENG

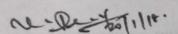


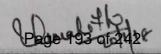


This is to certify that Mr./Ms CARAN. N

of SARAMATHON COLLEGE OF ENGINEERING has won SELOND place in Paper Presentation / Tech Expo held at M.S.M. College of Engineering and Technology on 20th Jan 2018.

TITLE: WEB CRAWLING









ANDTECHNOLOGY

(Approved by AIGH New Dellift Alifflated to Anna University Chennel) (Am 1300 2000) श्री २००३ Gardfied (Insultration))



Certificate of Appreciation

AND CLASSICAL SERVICE AND ENGINEERING

contrino dess -4 MATROMAL LEVEL TECHNICAL SYMPOSIUM

in association with MENG







This is to certify that Mr./Att. N. SARAN

of SARANATHAN COLLEGE OF ENGIGE has won FIRST place in Paper Presentation / Tech Expo held at N.S.M. College of Engineering and Technology on 20th Jan 2018.

TITLE: HEY TAXI, LECHAT

N. Profeshir

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CO-OROMNATOR (MIXADEXIVEEN)

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Department of Computer Science and Engineering

Accredited by National Board of Accreditation(NBA)



College of Engineering and Too

National Level Technical Symposium

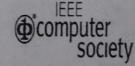
PRAYUDH'18

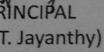
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This is to certify that Mr./	Ms. N. SARAN
of SARAMATHAN COLLE	GE OF ENGINEERING
has securedprize in _	PROJECT EXPO
held as a part of the National Level	Technical Symposium- PRAYUDH'18 on 21st February 2018.
V-Subelle HOD (Dr. V. Suhedha)	RINCIPAL











NSNCOLLEGE OF ENGINEER ING ANDTECHNOLOGY

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in association with





This is to certify that Mr./Ms. 3. VIGINESH

SARANATHAN COLLEGE OF ENGINEERING has won THIRD place in Paper Presentation / Tech Expo held at M.S.M. College of Engineering and Technology on 20th Jan 2018.

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NATIONAL LEVEL TECHNICAL SYMPOSIUM 2K'17

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one	day	National	Level	Technical	Symposium - TEK CLUSTER'17 organized by the
					ON TECHNOLOGY

Page 197 of 242

J.J. College of Engineering and Technology

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Tiruchirappalli-620009



Computer Neurons Association



NETCON 2K17

CERTIFICATE

OF APPRECIATION

This is to certify that

7. L. ox resident/CNA Convenor



MECH





Certificate of Participation

This is to certify that

Prof./Br./Mr./Mrs. SENTHUR KUMARAN -

OF SARANATHAN COLLEGE OF ENGINEERING

has participated / presented a paper on EXPERIMENTAL INVESTIGATION

ON PERFORMANCE VARIATION OF SOLAR PY MODULE WITH RESPECT TO FOUR DIFFERENT DIRECTIONS

in Two Days INTERNATIONAL CONFERENCE (ICONNECT2K18) organized at

K. Ramakrishhan College of Technology, Trichy on March 23 & 24 2018.





SUPPORTED BY



Certificate of Participation

This is to certify that

Prof-/Dr./Mr./Mrs- R. PRAKASH

OF SARANATHAN COLLEGE OF ENGINEERS

has participated / presented a paper on OPTIMIZATION OF

WACHINING PARAMETERS ON FIR MOTHER USING GENETIC ALGORITHM

In Two Days INTERNATIONAL CONFERENCE (ICONNECT2K18) organized at

K. Ramakrishhan College of Technology, Trichy on March 23rd & 24th 2018.

COORDINATOR

PRINCIPAL





SUPPORTED BY















Certificate of Participation

This is to certify that

-Prof-/Dr./Mr./Mrs- R. PRABHU

OF CARAMATHAN COLLEGE OF ENGINEERING

has participated / presented a paper on OPTIMIZATION OF

MACHINING PARAMETERS ON ENS MATERIALS

USING GENETIC ALGORITHM

In Two Days INTERNATIONAL CONFERENCE (ICONNECT2K18) organized at

K. Ramakrishhan College of Technology, Trichy on March 23rd & 24th 2018 .

CORDINATOR

PRINCIPAL



INTERNATIONAL

CONFERENCE ON

NEWER ENGINEERING

CONCEPTS & TECHNOLOGY - 2K18

" x 24" March 2018



Certificate of Participation

This is to certify that

Prof./Dr./Mr./Mrs. R. VAIYSNAVAN

OF SARANATHAN COLLEGE OF ENGINEERING

has participated / presented a paper on OPTIMIZATION OF

MACHINING PARAMETERS ON END MATERIAL ALGORITHM GENETIC WING

in Two Days INTERNATIONAL CONFERENCE (ICONNECT2K18) organized at

K. Ramakrishhan College of Technology, Trichy on March 23° & 24° 2018.







Certificate of Participation

This is to certify that

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O SARANATHAN COLLEGE OF ENGINEERING

has participated / presented a paper on THEORITICAL INVESTIGATION OF

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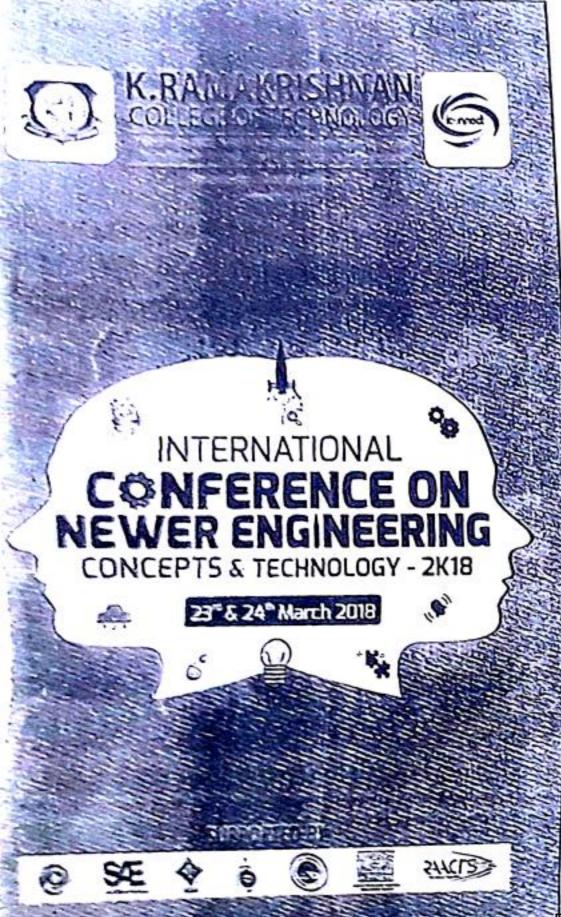
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Ramakrishhan College of Technology, Trichy on March 23" & 24" 2018.

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Certificate of Participation

This is to certify that

Prof./Dr./Mr./Mrs NESAN - K

OF SARANATHAN COLLEGE OF ENGINEERING

has participated / presented a paper on THEORITICAL INVESTIGATION OF

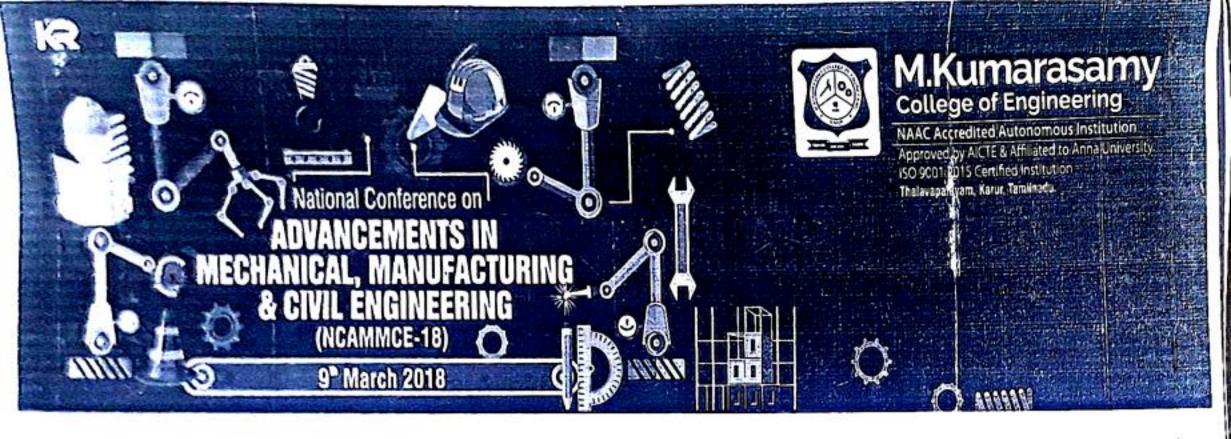
BALANCED FLOW DOUBLE PIPE HEAT EXCHANGER

in Two Days INTERNATIONAL CONFERENCE (ICONNECT2K18) organized at

K. Ramakrishhan College of Technology, Trichy on March 23rd & 24^{*} 2018.

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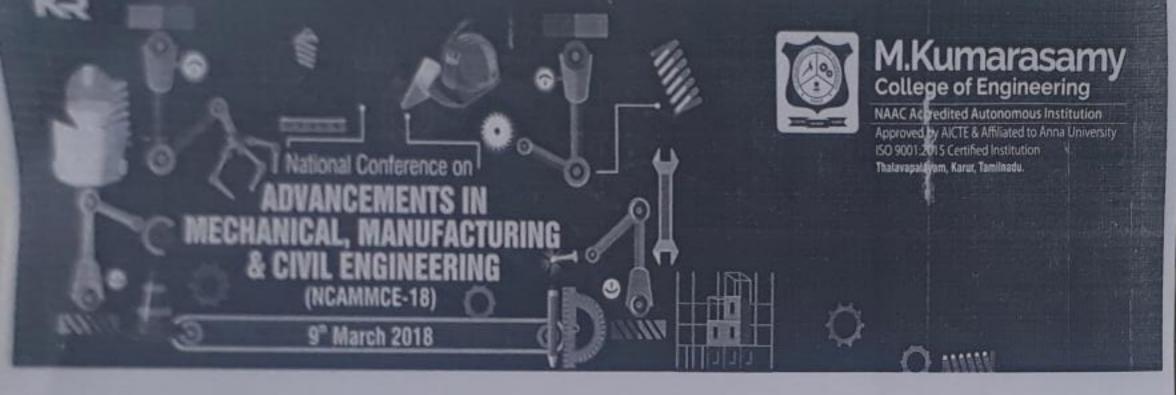
T. PRAVEEN KUMAR

OF ENG INFERING SARAMATHAN COLLEGE

MULTI RESPONSE OPTIMI ZATION OF PROCESS FARAMETERS IN PLASMA ARC MACHINING ON NICKEL ALLOY 625 MATERIAL THROUGH GIREY THEORY.

NATIONAL CONFERENCE ON ADVANCEMENTS IN MECHANICAL, MANUFACTURING & CIVIL ENGINEERING (NCAMMCE - 18) held on 9th March 2018.





Certificate

M. NIRMAL KUMAR

GARANATHAN COLLEGE OF ENGINEERING

MULTI PURPOSE OPTIMIZATION OF PROCESS PARAMETERS IN PLASMA

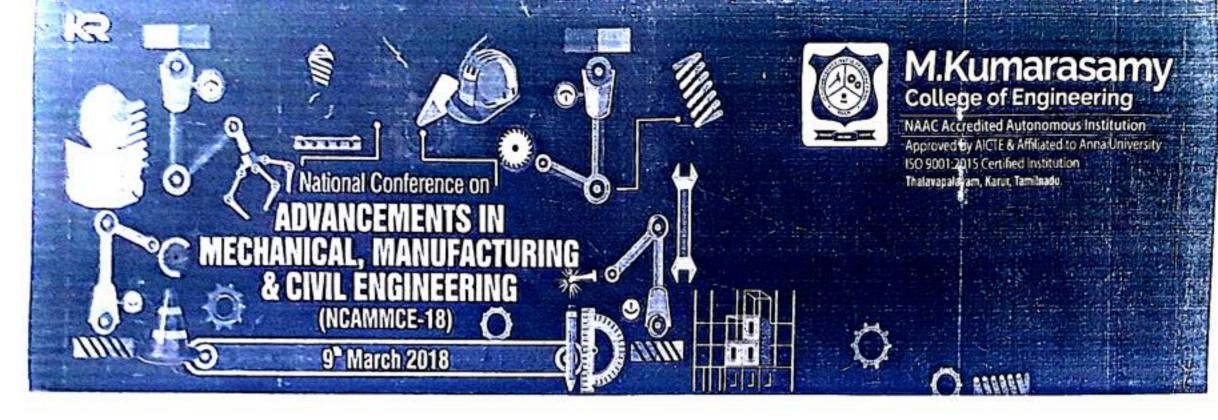
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ANNA UNIVERSITY SPORTS BOARD

CHENNAI - 600 025

INTER-ZONAL TOURNAMENTS 2017-18 CERTIFICATE OF MERIT

This is to certify that	•••••
Son / Daughter of Tmt	•••••
BranchI.MECH of SARANATHAN COLLEGE OF ENGINEERING	
Zone13	ecured
THIRD position in the Anna University Inter - Zonal Tournaments for the Year 2017-18, I	eld at
BANNARI AMMAN INSTITUTE OF TECHNOLOGY, SATHYAMANALAN	from
21.09.2017 to 22.09.2017	

Anna University(Sports Board

Anna University Sports Board

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ANNA UNIVERSITY SPORTS BOARD

CHENNAI - 600 025

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This is to certify that	Register NoRegister No	•••••
Branch MELH	ofSARANAT.HA.N. COLLEGE. OF ENGINEERIN.G.	,
Zone13	was a member of TENNIS (MEN)	Team
who secured WINNERS	in the Anna University Zonal Tournaments for the Year 2017-	18, held at
SARANAT	IAN COLLEGE OF ENGINEERING.	•••••
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ANNA UNIVERSITY SPORTS BOARD

CHENNAI - 600 025

ZONAL TOURNAMENTS 2017-18 CERTIFICATE OF MERIT

	This is to certify that
Branch	Mechanical of Saxanathan College Of Engineering
Zone	
who se	ecured Runners in the Anna University Zonal Tournaments for the Year 2017-18, held at
<i>Sa</i>	vanathan College Of Engineering, J.ICET. IGICE
from	04-09-17 to 07-09-17



Local Sports Coordinator

Local Sports Secretary

Zoral Sports Secretary

Zonal Sports Coordinator

000389

ANNA UNIVERSITY SPORTS BOARD

CHENNAI - 600 025

ZONAL TOURNAMENTS 2017-18 CERTIFICATE OF MERIT

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Branch	Mechanical of	Saxanatha	un. College.	.al Engเพ	eexing
Zone	13was a r	nember of	CRICKET (N	<u> (EN)</u>	Team
who se	ecured Runners in the Ann	a University Zo	onal Tournamei	nts for the Year	· 2017-18, held at
San	canathan College O	P. Enginees	cingI.I.	Cet., IGCE.	
from	04-09-17 to 0	1-09-17	•		



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ANNA UNIVERSITY SPORTS BOARD

CHENNAI - 600 025

ZONAL TOURNAMENTS 2017-18 CERTIFICATE OF MERIT

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ANNA UNIVERSITY SPORTS BOARD CHENNAI - 600 025

ZONAL TOURNAMENTS 2017-18 CERTIFICATE OF MERIT

	This is to certify that . Syuram: M Register No
Branch	Mechanical of Saxanathan Callege of Engineering
Zone	13
who sec	cured Runners in the Anna University Zonal Tournaments for the Year 2017-18, held at
.San	ranathan College of Engineering, J.J.CET, IGCE
fromC	74.09.17. to 07.09.17

Local Sports Coordinator

Local Sports Secretary

Zona: Sports Secretary

Zonal Sports Coordinator





(Approved by AICTE and affiliated to the Anna University, Chennal)

Venkateswara Nagar, Panjappur , Tiruchirapalli - 620012

VIDYASEVARATHNAM SHRI K.SANTHANAM TROPELY 2016

CERTIFICATE OF EXCELLENCE

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ENGINEERI	NG BI	ETWEEN FEBRU	JARY	16 - 19, 2	.018.		a:	. •				

jupathi √£DIRECTOR Dr.D.Valavan

Shri.S.Ravindran SECRETARY





(Approved by AICTE and affiliated to the Anna University, Chennelly Venkateswara Nagar, Panjappur , Tiruchirapalli - 620012

VIDYASEVARATHNAM SHRI K.SANTHANAM TROPEY 2018

CERTIFICATE OF EXCELLENCE

DIRECTOR

Dr.D.Valavan
PRINCIPAL

CALVAL LAUL ENGINEERING

(Approved by AICTE and affiliated to the Anna University, Chennal)
Venkateswara Nagar, Panjappur , Tiruchirapalli - 620012



VIDYASEVARATHNAM SHRI K.SANTHANAM TROPHY 2018

CERTIFICATE OF EXCELLENCE

THIS	CERTIFICATE	IS PRESENTE	то1	PRAVEEN:	B	OF
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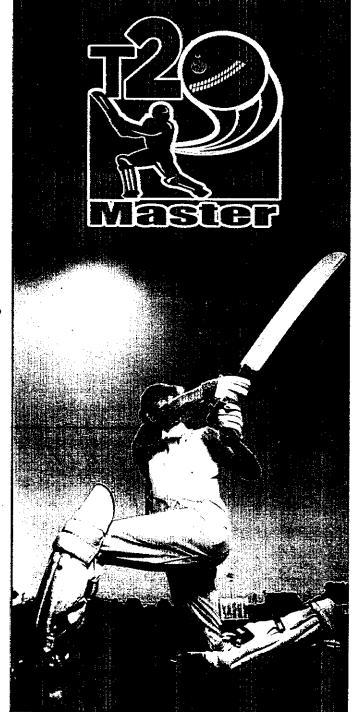
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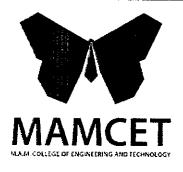
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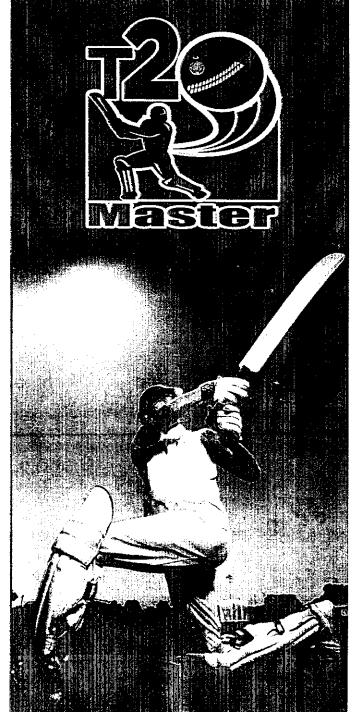
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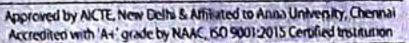
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A Review on Recent Trends in Optimization of CNC Turning Process

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Abstract

The main objective of this review paper is to ensure the quality lies within the desired tolerance level that can be accepted by the minufacturer needs and customer satisfactions. The selection of material plays crucial role in turning process. The input cutting parameters such as spindle speed, feed rate and depth of cut are normally considered for the experimental investigation and the output responses like material removal rate, surface roughness and tool wear are reviewed by using the Computer Numerical Control turning centre. Normally experiments are to be conducted based on the recommendation by the Traditional and Non-Traditional approach. The quality of the finished product is purely based on the selection of material and cutting parameters. This review paper accumulates and discusses the recent advances in CNC turning process and their impact on the quality of the turned specimen.

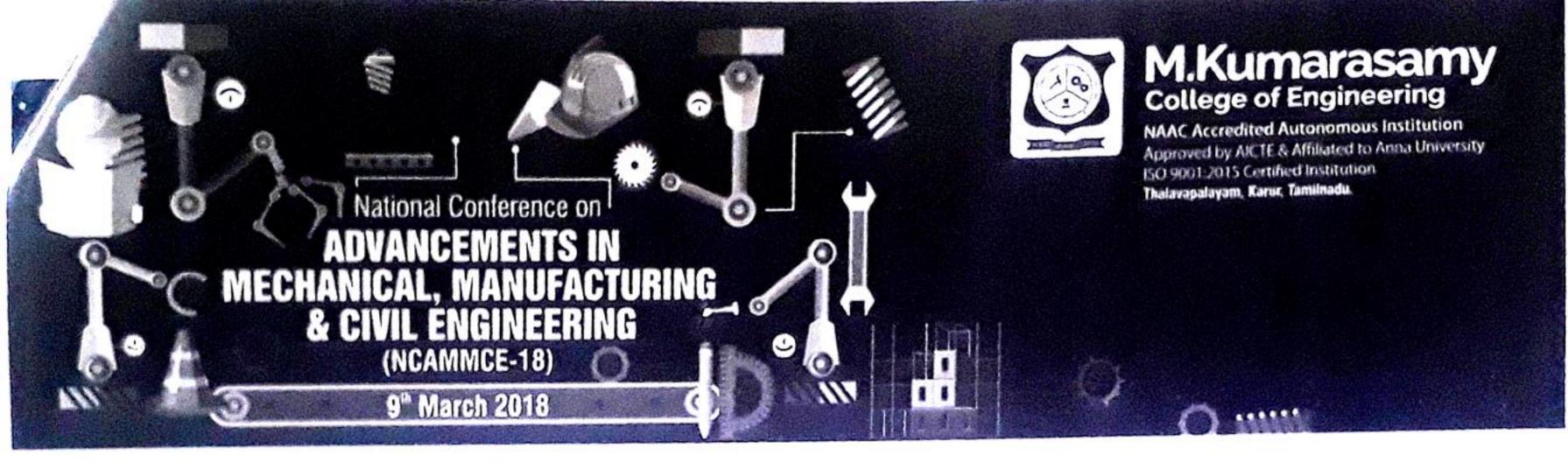
Key words

Turning process, Input process parameters, Output responses, Optimization techniques.

Introduction

The selection of manufacturing method depends on the quality and production cost for individual parts. Now a day, the objective of the manufacturing industries is to achieve the economical machining conditions. In the turning process, heat is generated by the conversion of mechanical energy into thermal energy at the interface of the test specimen and cutting tool during the contact under pressure. The input process parameters normally considered for the research works are spindle speed, feed rate, depth of cut, geometry and chemical composition of the test specimen and process setting. Recently many researchers have dealt with the optimization of process parameters for various manufacturing process. The critical review is essential on the significant of turning process for different combinations of materials having different cross section are discussed.

Vaibhay Sharma and Ravi Butola (2017) investigated the optimization of machining parameters in CNC turning of hybrid metal matrix composites using different techniques. The main objective of this investigation is to determine the optimum machining parameters (Cutting speed, feed rate and depth of cut) using L27 orthogonal array based on Taguchi's Technique. The output responses considered are Surface Roughness and Metal Removal Rate. Thus the authors concluded that the metal removal rate increases with increase in feed and surface roughness decreases with increase in cutting speed. Raykar, S. and Dabade, U. (2017) demonstrated the optimization of high pressure coolant assisted turning of Inconel 718 using TOPSIS. The main objective of this investigation is to find out the optimized process parameters (Pressure, cutting speed, feed rate and depth of cut) for machining heat resistant super alloys. The authors concluded that the metal removal rate increases with increase in feed and depth of cut and the surface roughness decreases with increases in cutting speed. Pay Jun Liew et al. (2017) investigated the optimization of cutting condition in the turning of AISI D2 steel by using the Carbon Nano Fibre (CNF) nano fluid. The main objective of this investigation is to optimize the process parameters (Type of coolant used, cutting speed, feed rate and depth of cut) using Taguchi approach based on the Response Surface Methodology on turning D2 steel using CNF nano fluid. Thus the authors concluded that the optimal tool wear and surface roughness were found to be at a cutting speed of 144.58 m/min and feed rate of 0.14 mm/rev. Jiterskra Kumar Verma (2017) studied the optimization of cutting parameters for surface roughness and Metal Removal Rate (MRR) in CNC Turning of 16MnCr5. The main objective of this investigation is to determine the cutting parameters (Cutting speed, feed rate and depth of cut) on surface roughness and MRR using Taguchi Lo orthogonal array technique. The authors concluded that the maximum MRR and minimum surface roughness is obtained at speed 800 rpm. Mohammad, H.M. and Ibrahim, R.H. (2017) investigated the optimization of sustainable cutting conditions in turning of carbon steel by using the



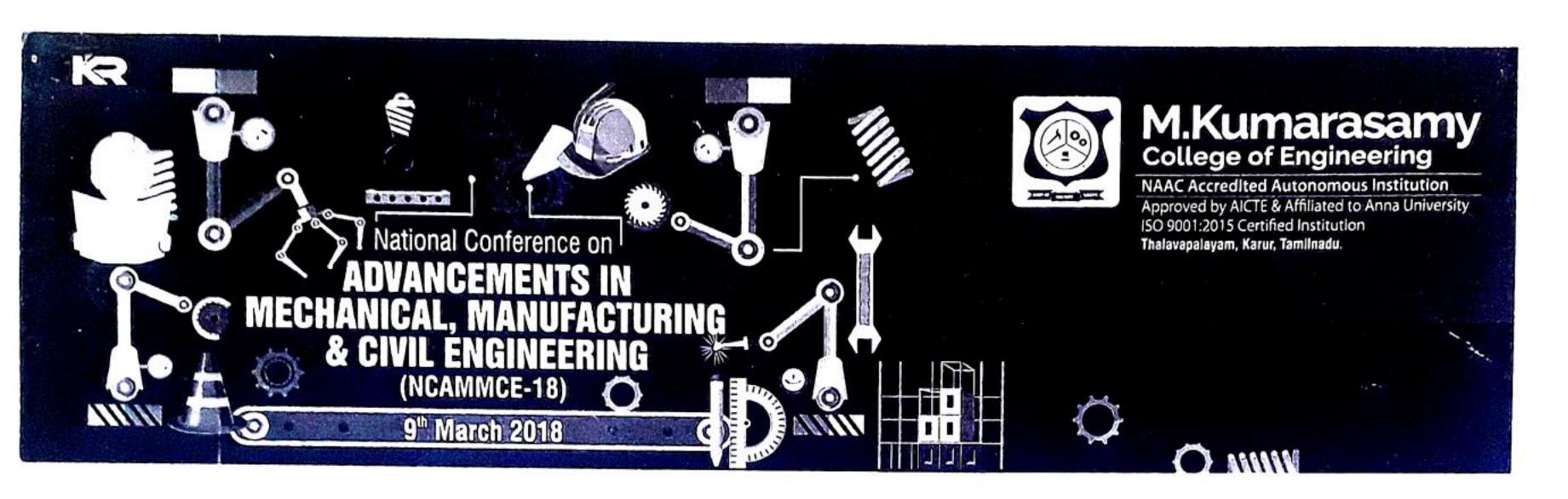
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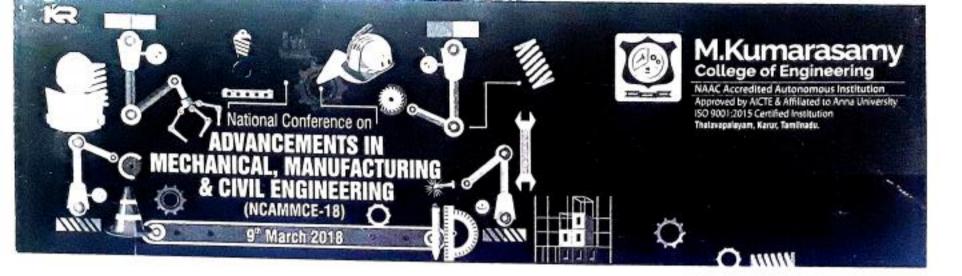
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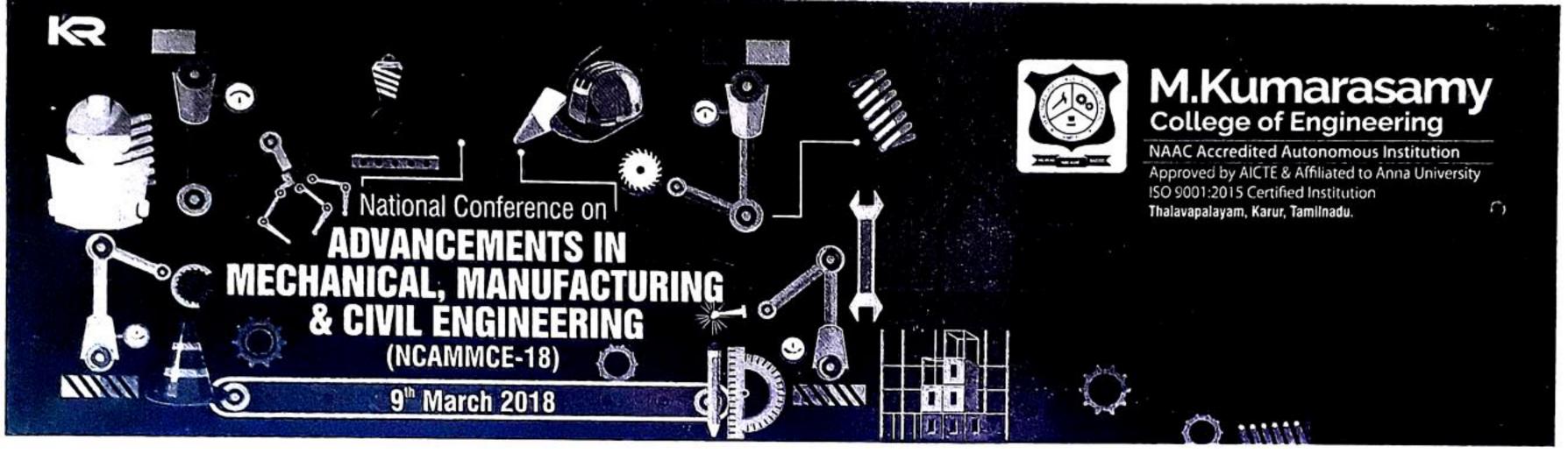
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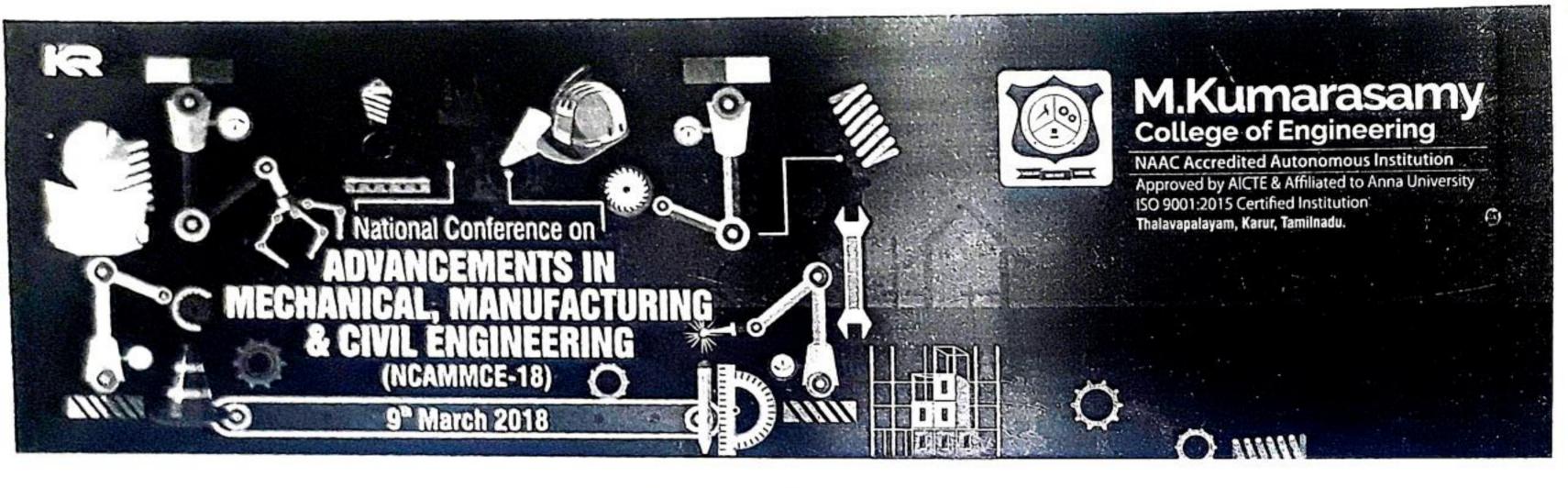
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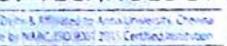
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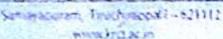
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