

2.4.2 AVERAGE PERCENTAGE OF FULL TIME TEACHERS WITH Ph.D

S.No	Description	Page No
1.	Average Percentage of Full Time Teachers With Ph.D	2
2.	List of Faculty with Ph.D 2021-2022	3
3.	Ph.D Degree Certificate & Research Supervisor Recognition Copy	4-44



K S R Institute for Engineering and Technology

Tiruchengode, Namakkal (Dt), Tamil Nadu (Approved by AICTE, Affiliated to Anna University, Accredited by NAAC (A+) & NBA)



2.4.2 AVERAGE PERCENTAGE OF FULL TIME TEACHERS WITH Ph.D

S.No	Academic Year	Total Number of Teachers Available	No. of Faculty with Ph.D	Percentage of Faculty with Ph.D
1.	2021-22	94	32	34.04%

IQAC COORDINATOR



K S R Institute for Engineering and Technology

Tiruchengode, Namakkal (Dt), Tamil Nadu

(Approved by AICTE New Delhi & Affiliated to Anna University Chennai) Accredited by NAAC (A+) & NBA

2.4.2 Avergage percentage of full time teacher with Ph.D./D.M/M.Ch./D.N.B Super speciality/D.Sc./D.Litt. During the last five years

s.	Name of full time teacher with No Ph.D./D.M/M.Ch./D.N.B Superspeciality /D.Sc./D'Lit.		Qualification (Ph.D./D.M/M. Ch./D.N.B Superspeciality/ D.Sc./D'Lit.)	Year of obtaining the qualification	Whether recognised as a Research Guide for Ph.D. / D.M/M.Ch./ D.N.B Super speciality /D.Sc./D'Lit. (YES/NO)	Year of Recognition as a Research Guide	
	1	Dr.M.Venkatesan	Ph.D.	2010	Yes	2010	
	2	Dr.B.Kalaavathi	Ph.D.	2010	Yes	2010	
	3	Dr.M.Vimaladevi	Ph.D.	2016	No	-	
	4	Dr.K.Sumathi	Ph.D.	2017	No	-	
	5	Dr.R.Jeyabharath	Ph.D.	2009	Yes	2009	
	6	Dr.P.Veena	Ph.D.	2010	Yes	2010	
	7	Dr.T.Srihari	Ph.D.	2017	No	-	
	8	Dr.C.Santhakumar	Ph.D.	2019	No	-	
	9	Dr.A.Murugesan	Ph.D.	2018	No	-	
1	10	Dr.S.Velmurugan	Ph.D.	2018	No	-	
1	11	Dr. R.Nandakumar	Ph.D.	2017	No	-	
1	13	Dr.S.Premalatha	Ph.D.	2020	No	-	
1	14	Dr.S.Jayachitra	Ph.D.	2018	No	-	
1	15	Dr.P.Murugesan	Ph.D	2011	Yes	2012	
1	16	Dr.R.Mani	Ph.D	2017	No	Nil	
1	17	Dr.P.Gopinath	Ph.D	2019	No	Nil	
1	18	Dr.P.Kanakarajan	Ph.D	2018	Yes	2018	
1	19	Dr.P.Meenakshi Devi	Ph.D.	2011	Yes	2011	
1	20	Dr.L.Selvam	Ph.D.	2021	No	-	
2	21	Dr.S.Russia	Ph.D.	2017	No	-	
2	22	Dr.S.Markkandeyan	Ph.D.	2016	No		
2	23	Dr. N.B. Mahesh Kumar	Ph.D.	2016	No	-	
1	24	Dr.R.Prabhu	Ph.D.	2018	No	-	
1	25	Dr. J.C. Kannan	Ph.D.	2009	Yes	2009	
1	26	Dr. V. Devabharathi	Ph.D.	2015	Yes	2017	
1	27	Dr.E.Manikandan	Ph.D.	2021	No	-	
1	28	Dr.P.Sangaiya Bose	Ph.D	2021	No	-	
1	29	Dr. C. Muhuntharajan	Ph.D.	2017	No	-	
	30	Dr.R. Kanagaselvam	Ph.D.	2022	No	-	
3	31	Dr. N. Kumaravel	Ph.D.	2019	No	-	
3	32	Dr.B.Murugesan	Ph.D.	2020	No	52	

Academic Year 2021-22

IQAC COORDINATOR

PRINCIPAL



Page 4 of 44



ANNA UNIVERSITY OF TECHNOLOGY, COIMBATORE COIMBATORE – 641 047

CENTRE FOR RESEARCH

Dr.P.RENUKA DEVI, Ph.D., DIRECTOR - (i/c) Academic Campus Jothipuram - Post Coimbatore - 641 047

Ref.: AUTCBE /CFR/CR3/1341/SR-3/ 9/0187 / 2011



Date: 26.05.2011

То

Dr.M. Venkatesan Professor/ CSE KSR College of Engineering, KSR Kalvi Nagar, Tiruchengode - 637 215

Sub: Ph.D. Programme - Recognition of Supervisor - Order - Issued-Reg.

I am pleased to inform that, you are recognized as a Supervisor for guiding Research Scholars for Ph.D. and M.Tech (By Research) programme of this University under the faculty of Electronics and Communication Engineering. Your Supervisor recognition number is 1105096. Kindly quote this reference number in all future correspondence.

The functions and responsibilities of the Research Supervisor are as described in the Ph.D./ M.Tech. (By Research) Regulations of Anna University Coimbatore.

Director - Research /2

DIRECTOR - RESEARCH Anna University of Technology, Colimbatore Mettupalayam Road, Jotnipuram Post Colimbatora - 641.047.

0.00

Copy to

19

2.

The Principal KSR College of Engineering, KSR Kalvi Nagar, Tiruchengode - 637 215

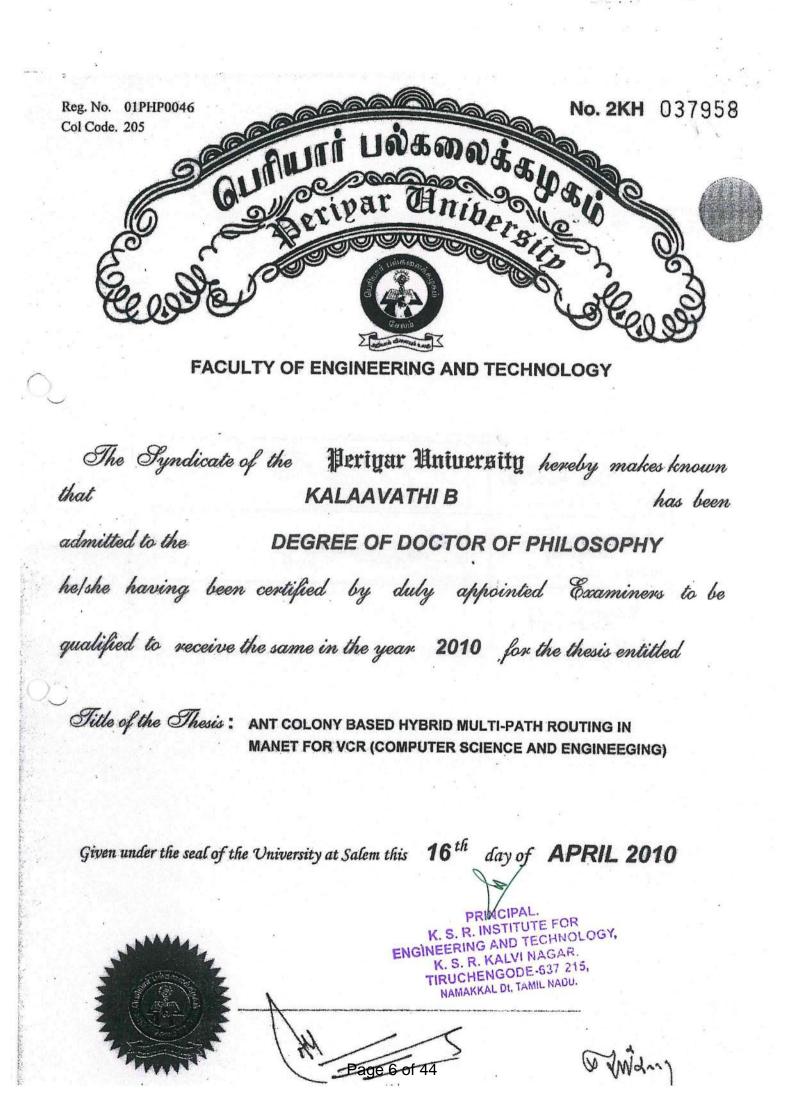
File Copy

Phone: +91-422-6545655 / 8552732'+ Fax +91-422-2697857+ email: 7144GIBALainaumiwao.m

PRINCIPAL K. S. R. INSTITUTE FOR

K. S. R. INS AND TECHNOLOGY, ENGINEERING AND TECHNOLOGY, K. S. R. KALVI NAGAR, TIRUCHENGODE-637 215, NAMAKKAL DI, TAMIL NADU.

Scanned by CamScanner





DIRECTOR

CENTRE FOR RESEARCH

ANNA UNIVERSITY CHENNAI - 600 025



Date: 16.03.2015

Telephone : +91-44-2235 7366/2235 0361 Fax : +91-44-2220 1213 Email : dirresearch@annauniv.edu dirresearch@gmail.com

Lr. No: SUPR/25th/DB

Dr. USHA NATESAN

To Dr. Kalaavathi B

Professor and Head Department of Computer Science and Engineering KSR Institute for Engineering and Technology, Tiruchengode – 637215

Sir/Madam,

Sub : Ph.D./M.S. (By Research) Programme - Supervisor Recognition - Orders - Issued. Ref : Your application for Supervisor Recognition.

I am by direction to inform that you are recognized as a Supervisor (Ref.No: 2540086) for guiding Ph.D. and M.S. (By Research) scholars of this University under the faculty of Information and Communication Engineering.

Area of Specialization: "Soft Computing, Distributed Computing , Data Mining"

The functions and responsibilities of the supervisor are described under clause (7) of the Ph.D./M.S. (By Research) regulations of this University and applicable as and when amendments are made to the Regulations from time to time.

Supervisors working in the recognized R&D Centre of Industries/non-recognized research Departments of Engineering College/Architecture Schools situated within Tamil Nadu shall function only as Joint Supervisor.

I request you to adhere strictly the regulations (available in <u>https://cfr.annauniv.edu/research/instructions.php</u>) when you start guiding scholars.

In all future correspondence quote 2540086 for reference.

PRINCIPAL. K. S. R. INSTITUTE FOR Copy to: Head of the Department / Institution ENGINEERING AND TECHNOLOGY, TIRUCHENGODE-637 215, NAMAKKAL DI, TAMIL NADU.

umopte

ANNA UNIVERSITY COIMBATORE

(Established under Act No.42 of 2006 by the Government of Tamil Nadu) Excellence in Technical Education and Research

CENTRE FOR RESEARCH

prof.Dr.T.KANNADASAN, Ph.D.,

Academic Campus Jothipuram post, Coimbatore - 641 047

AUCBE /CFR/SR-ORDERS/ 1504 / 2010 / 14

Date: 13.05.2010

TO

zef:

Dr.B.Kalaavathi Professor Dept. of B.Tech (IT) KS Rangasamy College of Technology Tiruchengode - 637 215

Sub: Ph.D. Programme - Recognition of Supervisor - Order - Issued-Reg.

I am pleased to inform that, you are recognized as a Supervisor for guiding Research Scholars for Ph.D. and M.Tech. (By Research) programme of this University under the faculty of Computer Science and Engineering. Your Supervisor recognition number is 1006095. Kindly guote this reference number in all future correspondence.

The functions and responsibilities of the Research Supervisor are as described in the Ph.D./ M.Tech. (By Research) Regulations of Anna University Coimbatore.

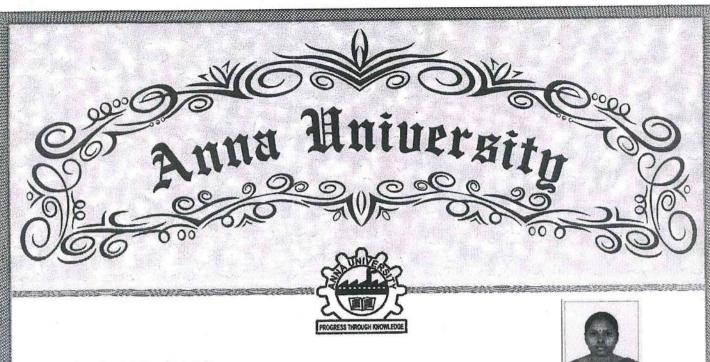
B-18. Neekarstos Director - Research

Copy to :

- The Principal KS Rangasamy College of Technology Tiruchengode - 637 215
- 2. File Copy

PRINCIPAL. K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY. K. S. R. KALVI NAGAR, TIRUCHENGODE-637 215. NADAZWAL DI, TAMIL NADU,

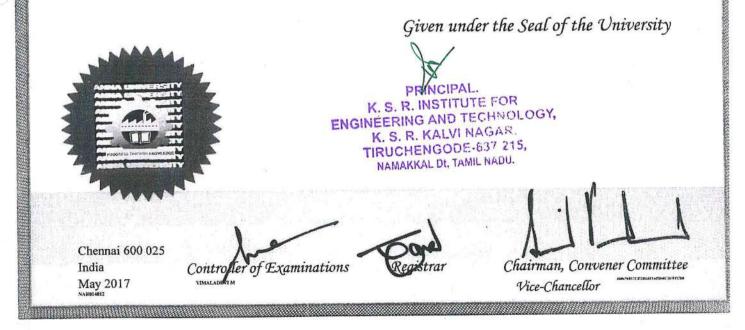
¹⁴²²⁻⁶⁵⁴⁶⁶⁵⁵, 6552732 • Fax : +91-422 - 2697857 • email : research@annauniv.ac.in research.aucbe@yahoo.in • www.annauniv.ac.in ²⁶⁵⁴⁶⁶⁵⁵, 6552732 • Fax : +91-422 - 2697857 • email : research@annauniv.ac.in research.aucbe@yahoo.in • www.annauniv.ac.in

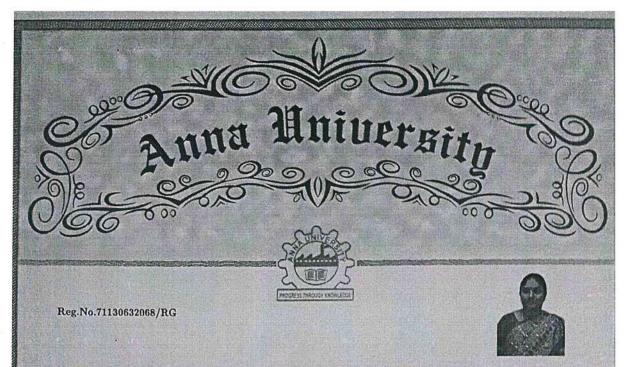


Reg.No. 71030622047/RG

The Syndicate of the Anna University hereby makes known that VIMALADEVI M has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Information and Communication Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2016. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009". Title of the Thesis:

CERTAIN INVESTIGATIONS ON EVOLUTIONARY ALGORITHMS BASED NEURAL CLASSIFIERS FOR CANCER CLASSIFICATION

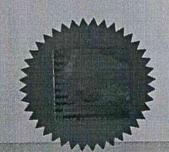




The Syndicate of the Anna University hereby makes known that SUMATHI K has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Information and Communication Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2017. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009". Title of the Thesis:

EFFECTIVE CONGESTION CONTROL APPROACHES FOR WIRELESS MULTIMEDIA SENSOR NETWORKS

Given under the seal of the University



Chennai 600025

India

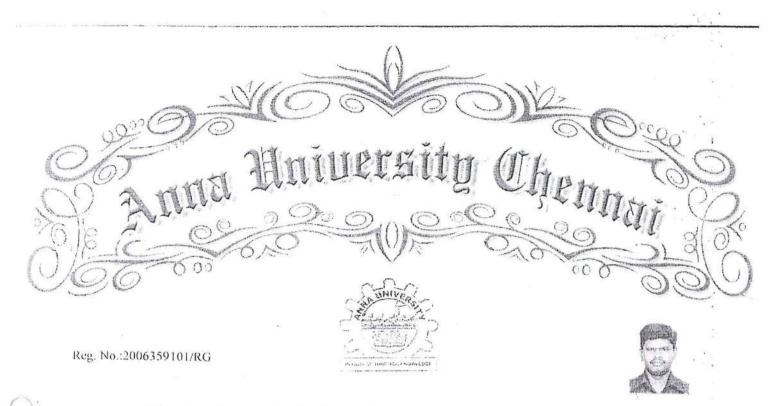
June 2018

69

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY, K S R KALVI NAGAR. THRUCHENGODE-637 215, NAMAKKAL DI, TAMIL NADU.

Registrar

Controller of Examinations



The Syndicate of the Anna University Chennai hereby makes known that JEYABHARATH R has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Electrical Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2009.

Title of the thesis:

TORQUE RIPPLE MINIMIZATION IN DIRECT TORQUE CONTROL USING MULTIPLE VOLTAGE SPACE VECTORS FOR SWITCHED RELUCTANCE MOTOR DRIVE

Given under the Seal of the University PRINCIPAL K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY, K. S. R. KALVI NAGAR, TIRUCHENGODE-637 215, NAMAKKAL DI, TAMIL NADU. Chennai 600 025 India Controller of Examinations February 2010 Registrar Vice-Chancellor Page 11 of 44



CENTRE FOR RESEARCH ANNA UNIVERSITY CHENNAI - 600 025



Telephone : +91-44-2235 7366/2235 0361 Fax : +91-44-2220 1213 Email : dirresearch@annauniv.edu dirresearch@gmail.com

Date: 02.08.2016

Lr. No: SUPR/27th/DB

To Dr. Jeyabharath R Professor Department of Electrical and Electronics Engineering KSR Institute for Engineering and Technology, Tiruchengode -637215

Sir/Madam,

Sub : Ph.D./M.S. (By Research) Programme - Supervisor Recognition - Orders - Issued. Ref : Your application for Supervisor Recognition.

I am by direction to inform that you are recognized as a Supervisor (Ref.No: 2830006) for guiding Ph.D. and M.S. (By Research) scholars of this University under the faculty of Electrical Engineering.

+++++

Area of Specialization: "Power Electronics, Special Electrical Machines, Embedded System"

The functions and responsibilities of the supervisor are described under clause (7) of the Ph.D./M.S. (By Research) regulations of this University and applicable as and when amendments are made to the Regulations from time to time.

Supervisors working in the recognized R&D Centre of Industries/non-recognized research Departments of Engineering College/Architecture Schools situated within Tamil Nadu shall function only as Joint Supervisor.

I request you to adhere strictly the regulations (available in <u>https://cfr.annauniv.edu/research/instructions.php</u>) when you start guiding scholars.

In all future correspondence quote 2830006 for reference.

IPAI PRIN K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY, K. S. R. KALVI NAGAR, TIRUCHENGODE-637 215, NAMAKKAL DI, TAMIL NADU.

DIRECTOR

Copy to:

The Head Department of Electrical and Electronics Engineering KSR Institute for Engineering and Technology, Tiruchengode -637215



ANNA UNIVERSITY COIMBATORE

(Established under Act No.42 of 2006 by the Government of Tamil Nadu) Excellence in Technical Education and Research

CENTRE FOR RESEARCH

Prof.Dr.T.KANNADASAN, Ph.D., DIRECTOR Academic Campus Jothipuram post, Coimbatore - 641 047

Ref: AUC /CFR/SR-ORDERS/ 728 /2009

Date : 04.11.2009

То

Dr.Jeyabharath. R Professor Dept. of Electrical and Electronics Engineering K.S. Rangasamy College of Technology Tiruchengode - 637 215 Namakkal Dist.

Sub: Ph.D. Programme - Recognition of Supervisor - Order - Issued-Reg.

I am pleased to inform that, you are recognized as a Supervisor for guiding Research Scholars for Ph.D. and M.Tech.(By Research) programme of this University under the faculty of **Electrical and Electronics Engineering.** Your Supervisor recognition number is **0904100**. Kindly quote this reference number in all future correspondence. Your recognition is subject to approval by Board of Research, Anna University Coimbatore.

The functions and responsibilities of the Research Supervisor are as described in the Ph.D./ M.Tech. (By Research) Regulations of Anna University Coimbatore.

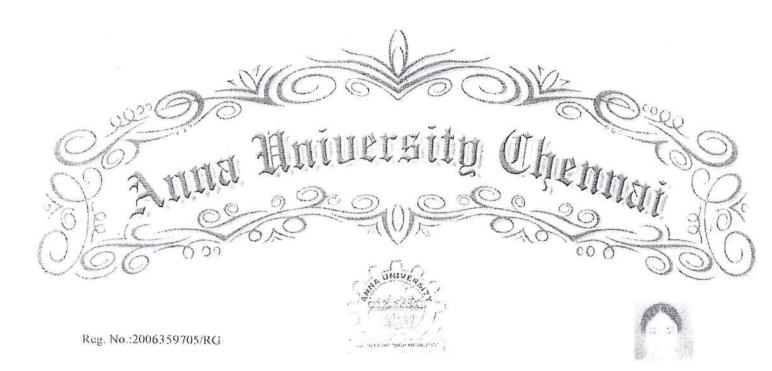
ForDirector - Research 4 [11]0

CC : 1. The Principal K.S. Rangasamy College of Technology Tiruchengode - 637 215 Namakkal Dist.

2. File Copy

PRINCIPAL. K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY, K. S. R. KALVI NAGAR, TIRUCHENGODE-637 215, NAMAKKAL DI, TAMIL NADU.

@:+91-422-6546655, 6552732 • Fax:+91-422 - 2697857 • email: research@annauniv.ac.in research.aucbe@yahoo.in • www.annauniv.ac.



The Syndicate of the Anna University Chennai hereby makes known that VEENA P has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Electrical Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2010.

Title of the thesis:

PERFORMANCE IMPROVEMENT IN DIRECT TORQUE CONTROL OF SWITCHED RELUCTANCE MOTOR DRIVE USING INTELLIGENT TECHNIQUES

Given under the Seal of the University PRINCIPAL. K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY, K. S. R. KALVI NAGAR, TIRUCHENGODE-637 215, NAMAKKAL DI, TAMIL NADU. Chennai 600 025 India Controller of 'Examinations February 2010 Vice-Chancellor Registrar Page 14 of 44

C. e.t.



CENTRE FOR RESEARCH ANNA UNIVERSITY CHENNAI 600 025

Dr.USHA NATESAN DIRECTOR

Lr.No: SUPR/24th RB/ DB

То

Dr. VEENA P Professor Department of Electrical and Electronics Engineering KSR Institute for Engineering and Technology, Tiruchengode, Namakkal -637215

Sir/Madam,

Sub: Ph.D./M.S. (By Research) Programme – Supervisor Recognition – Orders – Issued.

Ref: Your application for Supervisor Recognition .

I am by direction to inform that you are recognized as a Supervisor (**Ref.No. 24.03.12**) for guiding Ph.D. and M.S. (By Research) scholars of this University under the faculty of **Electrical Engineering**

Area of Specialization: "Power Electronics, Switched Reluctance Motor Drives, Embedded System,Special Electrical Machines"

The functions and responsibilities of the supervisor are described under clause (7) of the Ph.D./M.S. (By Research) regulations of this University and applicable as and when amendments are made to the Regulations from time to time.

Supervisors working in the recognized R&D Centre of Industries/non-recognized research Departments of Engineering College/Architecture Schools situated within Tamil Nadu shall function only as Joint Supervisor.

I request you to adhere strictly the regulations (available in <u>https://cfr.annauniv.edu/research/instructions.php</u>) when you start guiding scholars.

In all future correspondence quote **24.03.12** for reference.

Umanatura DIRECTOR

8

Copy to : Head of the Department / Institution ERING AND TECHNOLOGY, K. S. R. KALVI NAGAR. K. S. R. KALVI NAGAR. TIRUCHENGODE-637 215, NAMAKKAL DI, TAMIL NADU. Dated: 22.09.2014

dirresearch@gmail.com

: + 91-44-2235 7023

: + 91-44-2220 1213

Telephone: + 91-44-2235 0361

Email : dirresearch@annauniv.edu

Fax



ANNA UNIVERSITY COIMBATORE

(Established under Act No.42 of 2006 by the Government of Tamil Nadu) Excellence in Technical Education and Research

CENTRE FOR RESEARCH

Prof.Dr.T.KANNADASAN, Ph.D., DIRECTOR Academic Campus Jothipuram post, Coimbatore - 641 047

Date: 26.04.2010

Ref : AUCBE /CFR/SR-ORDERS/1482 / 2010 / 6

То

Dr.P.Veena Professor Dept. of EEE KS Rangasamy College of Technology, Tiruchengode 637 215

Sub: Ph.D. Programme - Recognition of Supervisor - Order - Issued-Reg.

I am pleased to inform that, you are recognized as a Supervisor for guiding Research Scholars for Ph.D. and M.Tech.(By Research) programme of this University under the faculty of **Electrical & Electronics Engineering.** Your Supervisor recognition number is **1004112.** Kindly guote this reference number in all future correspondence.

The functions and responsibilities of the Research Supervisor are as described in the Ph.D./ M.Tech. (By Research) Regulations of Anna University Coimbatore.

Director - Research 26 00

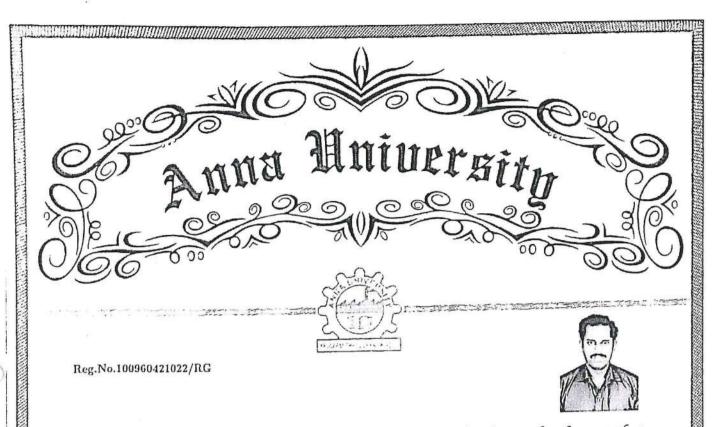
Copy to :

1. The Principal KS Rangasamy College of Technology, Tiruchengode 637 215

2. File Copy



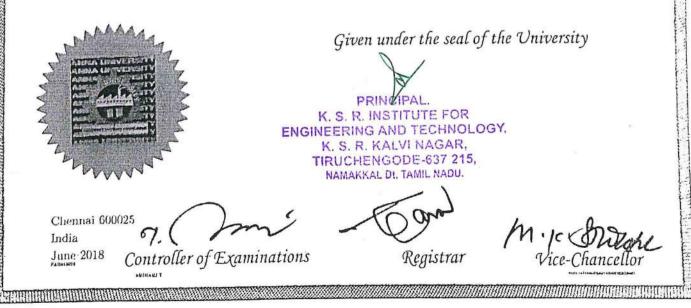
©:+91-422-6546655, 6552732 • Fax:+91-422 - 2697857 • email: research@annauniv.ac.in research.aucbe@yahoo.in • www.annauniv.ac.in



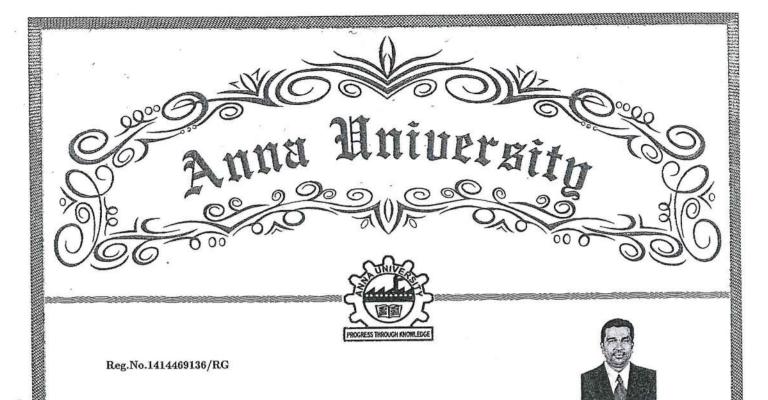
The Syndicate of the Anna University hereby makes known that SRIHARI T has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Electrical Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2017. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

PERFORMANCE ANALYSIS OF DIRECT TORQUE CONTROL BASED SWITCHED RELUCTANCE MOTOR DRIVE USING INTELLIGENT SYSTEMS



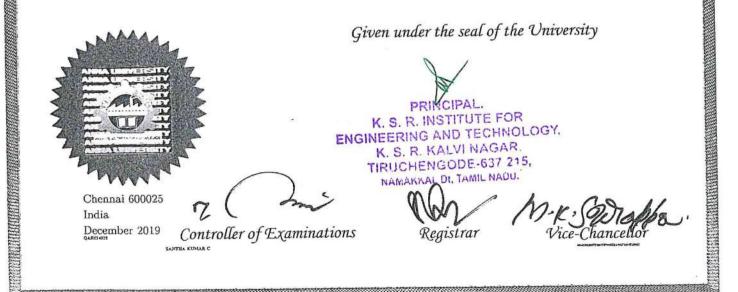
Page 17 of 44

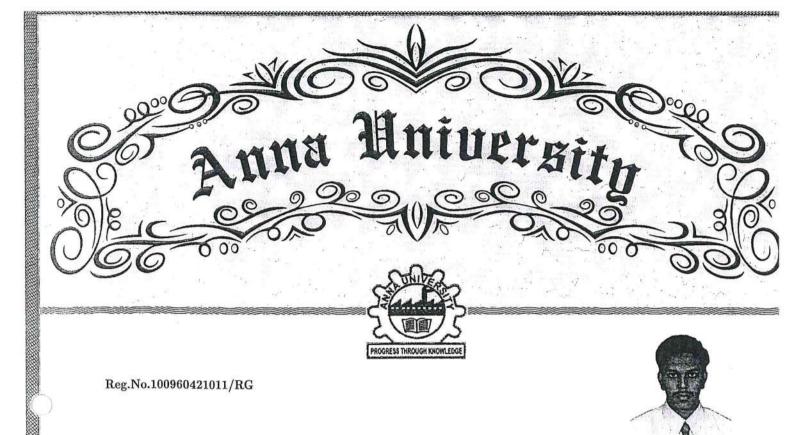


The Syndicate of the Anna University hereby makes known that SANTHA KUMAR C has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Information and Communication Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2019. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

PERFORMANCE ENHANCEMENT OF IMPEDANCE SOURCE NEUTRAL POINT CLAMPED MULTILEVEL INVERTER



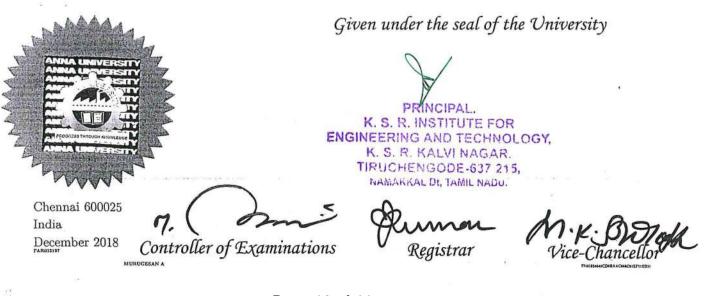


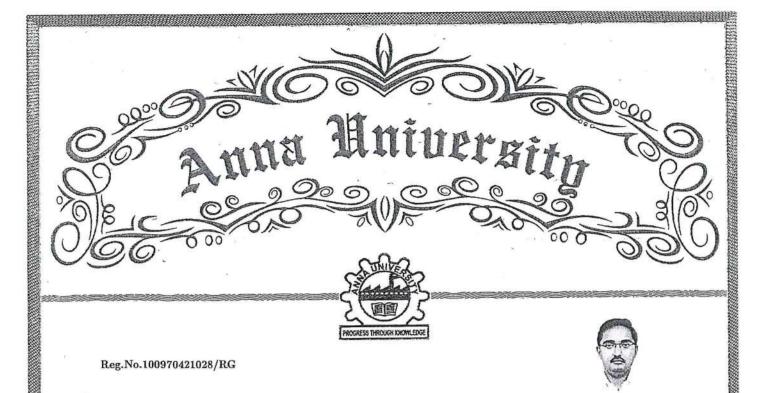
The Syndicate of the Anna University hereby makes known that MURUGESAN A has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Electrical Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2018. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

and the second sec

INVESTIGATIONS ON PERFORMANCE OF SWITCHED RELUCTANCE MOTOR SPEED CONTROL USING PID, FLC, FT-ANN CONTROLLER WITH STEADY STATE STABILITY ANALYSIS





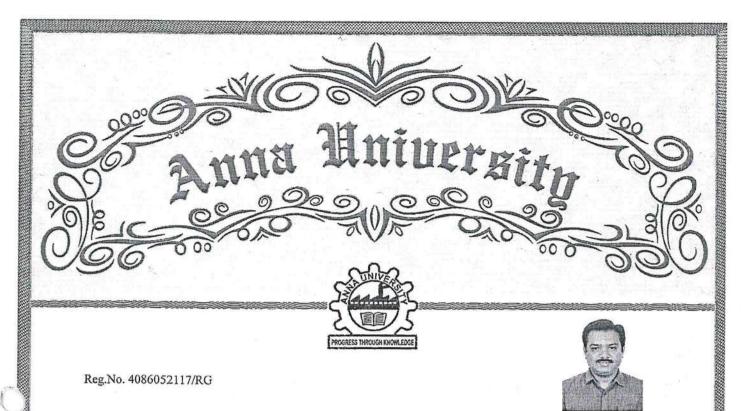
The Syndicate of the Anna University hereby makes known that VELMURUGAN S has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Electrical Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2018. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

ROBUST MULTIMODAL BIOMETRIC RECOGNITION SYSTEM USING HAND GEOMETRY AND IRIS FEATURES

Given under the seal of the University

CIPAL K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY, K. S. R. KALVI NAGAR. TIRUCHENGODE-637 215, NAMAKRAL DI, TAMIL NADU. Chennai 600025 India Controller of Examinations December 2018 Registrar ice-Chance VELMURUGAN S

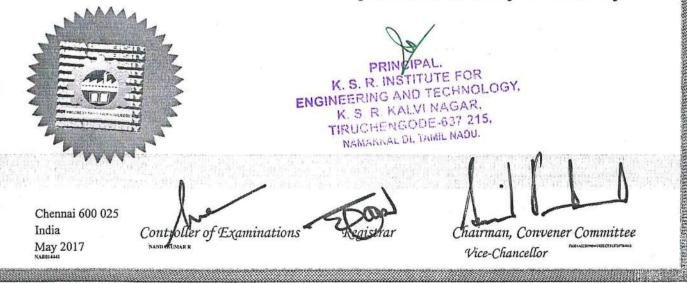


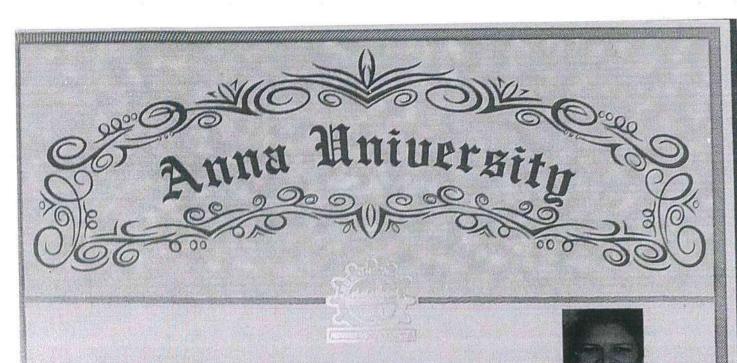
The Syndicate of the Anna University hereby makes known that NANDAKUMAR R has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Information and Communication Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2017. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

MACHINE LEARNING APPROACH VIA CLASSIFIERS FOR THE DIAGNOSIS OF CARDIOVASCULAR DISEASES USING ULTRASOUND B MODE IMAGES OF COMMON CAROTID ARTERY

Given under the Seal of the University





Reg.No. 11210532025/RG

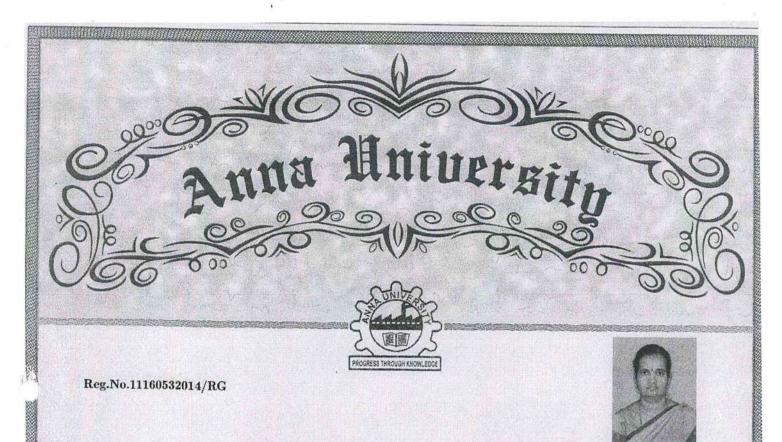
The Syndicate of the Anna University hereby makes known that PREMALATHA'S has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Information and Communication Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2020. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009". 'Title of the Thesis:

NOVEL SOFT COMPUTING TECHNIQUES BASED OPTIMAL NOISE REDUCTION SCHEMES FOR AUTOMATIC SPEECH RECOGNITION APPLICATIONS

Chennai 600 025 India March 2021 Given under the Seal of the University

istrat

Controller of Examinations

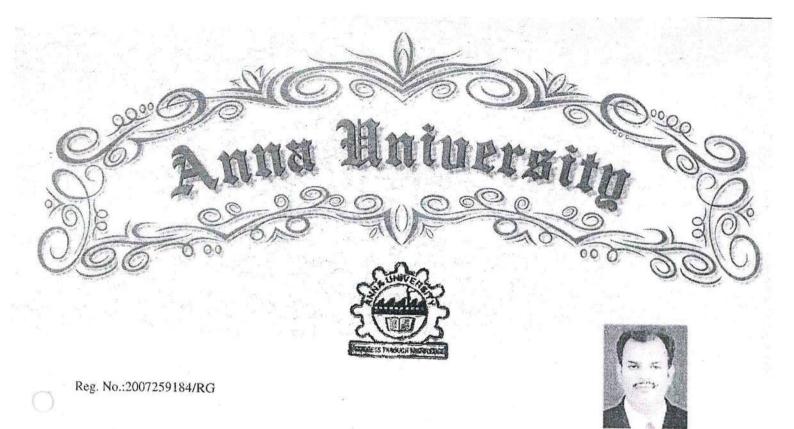


The Syndicate of the Anna University hereby makes known that JAYACHITRA S has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Information and Communication Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2018. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009". Title of the Thesis:

SECURED ENERGY EFFICIENT QoS ROUTING AND DATA COMMUNICATION IN MOBILE AD HOC NETWORK

Given under the seal of the University

INSTITUTE FOR KSR ENGINEERING AND TECHNOLOG K S & KALVI NAGAR. TIRUCHENGODE-637 215, NAMAKKAL Dt. TAMIL NADU.



The Syndicate of the Anna University hereby makes known that MURUGESAN P has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Mechanical Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2011.

Title of the thesis:

HEAT TRANSFER AND FRICTION FACTOR CHARACTERISTICS IN A DOUBLE PIPE HEAT EXCHANGER FITTED WITH VARIANT TWISTED TAPES

Given under the Seal of the University PRINCIPAL K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY, K. S. R. KALVI NAGAR, Bur 9 TIRUCHENGODE-637 215, NAMAKKAL DI, JAMIL NADU Chennai 600 025 India Controller of Examinations January 2012 Vice-Chancellor Registrar



CENTRE FOR RESEARCH ANNA UNIVERSITY CHENNAI 600 025

IRECTOR

Telephone : + 91-44-2235 0361 : + 91-44-2235 7025 : + 91-44-2235 7027 Fax + 91-44-2220 1213 Email : dirresearch@annauniv.ed dirresearch@gmail.com

Dated: 30.10.2012

Lr.No: SUPR/19th RB/ AR3

To

Dr.P.Murugesan Professor & Head Department of Mechanical Engineering KSR Institute for Engineering and Technology Namakkal Dt, Tiruchengode - 637 215

Sir/Madam,

Sub: Ph.D./M.S. (By Research) Programme – Supervisor Recognition – Orders – Issued.
Ref: Res. No.19.03 of the Nineteenth Research Board Meeting held on 02.07.2012.

I am by direction to inform that you are recognized as a Supervisor (Ref.No. 19.269.12) for guiding Ph.D. and M.S. (By Research) scholars of this University under the faculty of Mechanical Engineering.

Area of Specialization: "HEAT TRANSFER ENHANCEMENT TECHNIQUES"

The functions and responsibilities of the supervisor are described under clause (7) of the Ph.D./M.S. (By Research) regulations of this University and applicable as and when amendments are made to the Regulations from time to time.

Supervisors working in the recognized R&D Centre of Industries/nonrecognized research Departments of Engineering College/Architecture Schools situated within Tamil Nadu shall function only as Joint Supervisor.

I am herewith enclosing Ph.D. and M.S (By Research) Regulations for your reference. I request you to adhere strictly the regulations when you start guiding scholars.

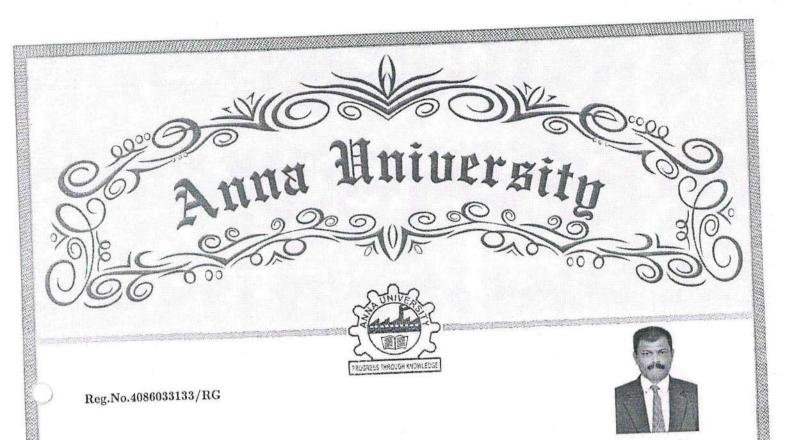
In all future correspondence quote 19.269.12 for reference.

PRINCIPAL, K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY, K. S. R. KALUT MARAR, TIRUCHEMICOLE (27,215, NEMADAR: DE 1988, NAU).

Ushajatisan

Encl : Ph.D. and M.S. (By Research) Regulations

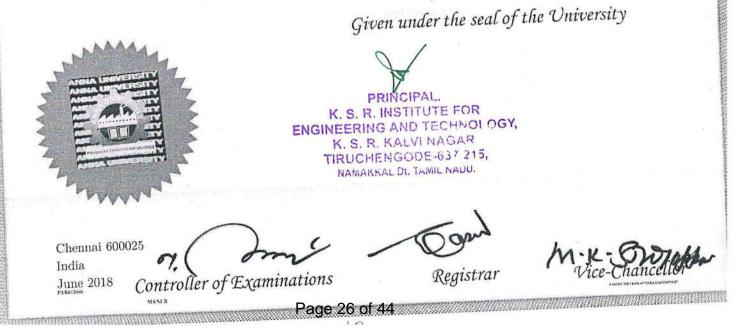
Copy to : Head of the Department / Institutipage 25 of 44

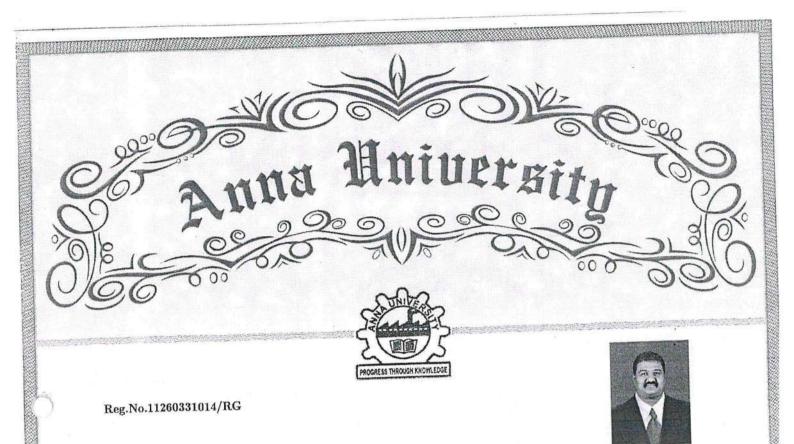


The Syndicate of the Anna University hereby makes known that MANI R has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Mechanical Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2017. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

STUDIES ON THE SOLAR DRYER WITH AN INTEGRATED ENERGY SOURCE





The Syndicate of the Anna University hereby makes known that GOPINATH P has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Mechanical Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2019. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

STUDIES ON THE PROPERTIES OF JUTE SISAL AND JUTE/GLASS EPOXY RESIN COMPOSITE STRUCTURE

Given under the seal of the University

K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY. K. S. R. KALVI NAGAR. TIRUCHENGODE-637 215. NAMAKKAL DI, TAMIL NADU.

Chennai 600025

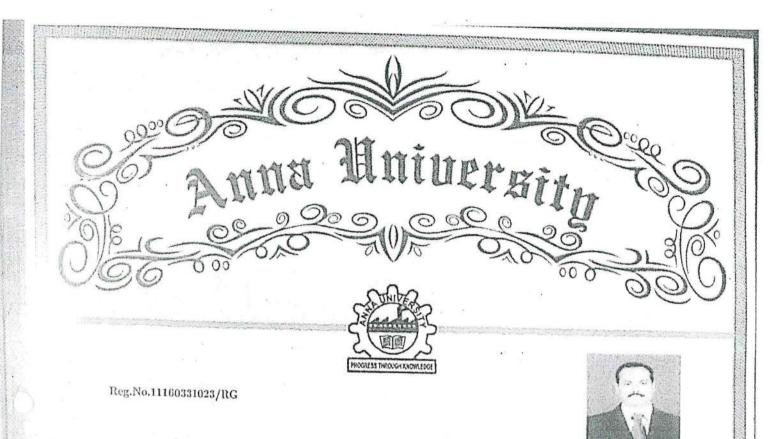
COPINATII P

December 2019

India

Controller of Examinations

Registrar



The Syndicate of the Anna University hereby makes known that KANAKARAJAN P has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Mechanical Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2018. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

EXPERIMENTAL INVESTIGATION ON SURFACE ROUGHNESS OF MACHINED ALUMINA AND SIMULTANEOUS WEAR OF SILICON CARBIDE GRINDING WHEEL BY USING ACOUSTIC EMISSION TECHNIQUE

> Given under the seal of the University KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY, KSK KALVI NAGAR. TIRUCHENGODE-637 215, NAMAKKAL DL. TAMIL NADU.

Chennai 600025 India December 2018

Controller of Examinations

Registrar

Scanned by CamScanner

Page 28 of 44



Dr. K.P. JAYA DIRECTOR

CENTRE FOR RESEARCH ANNA UNIVERSITY CHENNAL - 600 025

Telephone 101 40 2215 / 306/2214 0301 Fax 103-364 2220 1213 Emissi divresearch/2 anowies, edu divresearch/2 anowies, edu divresearch/2 anowies, edu

Date 02.03.2019

Lr. No: SUPR/32nd/DB

To Dr. Kanakarajan P Associate Professor Mechanical Engineering K.S.R.College of Engineering Namakkal-637215

Sir/Madam,

Sub : Ph.D.Programme - Supervisor Recognition - Orders - Issued. Ref Your application for Supervisor Recognition.

I am by direction to inform that you are recognized as a Supervisor (Ref.No: 3320071) for guiding Ph.D. scholars of this University under the faculty of Mechanical Engineering.

Area of Specialization: "Production Technology, Acoustic emission technique"

The functions and responsibilities of the supervisor are described under clause (7) of the Ph.D.regulations of this University and applicable as and when amendments are made to the Regulations from time to time.

Supervisors working in the recognized R&D Centre of Industries/non-recognized research Departments of Engineering College/Architecture Schools situated within Tamil Nadu shall function only as Joint Supervisor.

I request you to adhere strictly the regulations (available in https://cfr.annauniv.edu/research/instructions.php) when you start guiding scholars.

In all future correspondence quote 3320071 for reference.

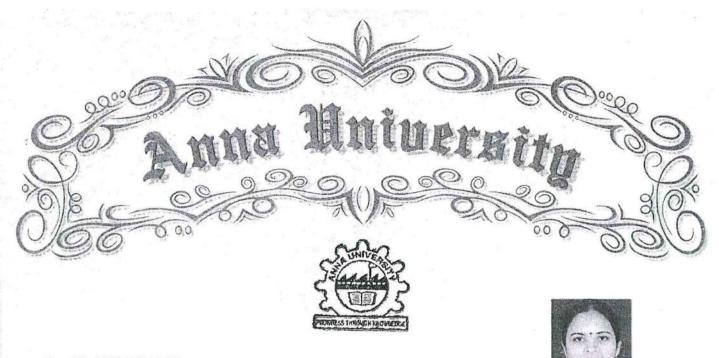
DIRECTO

Copy to:

The Head Mechanical Engineering K.S.R.College of Engineering Namakkal-637215

RINCIPAL. K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY, K S & KALVINAGAR. TIRUCHENGODE-637 245. NAMAKKAL DI, TAMIL NASU.

Page 29 of 44



Reg. No.:2006459115/RG

The Syndicate of the Anna University hereby makes known that MEENAKSHIDEVI P has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Information and Communication Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2011.

Title of the thesis:

AN EFFICIENT SECURE REVERSIBLE AUTHENTICATION WATERMARKING WITH TAMPER LOCALIZATION

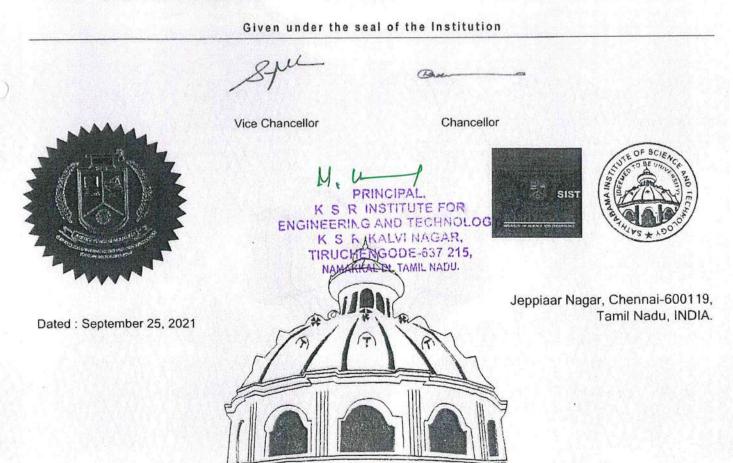
Given under the Seal of the University PRINCIPAL. K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY, K. S. R. KALVI NAGAR, TIRUCHENGODE-637 215, Chennai 600 025 India Vice-Chancellor Controller of Examinations Registrar January 2012



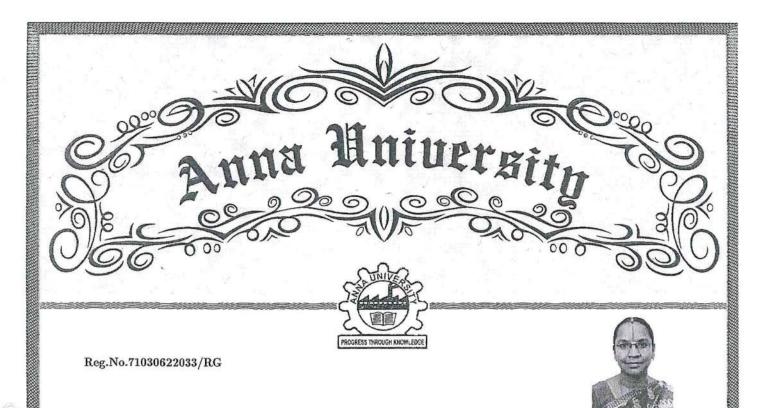
INSTITUTE OF SCIENCE AND TECHNOLOGY (Deemed to be University Under Section 3 of UGC Act, 1956)



The Board of Management of Sathyabama Institute of Science and Technology hereby makes known that SELVAM L has been conferred the DEGREE OF DOCTOR OF PHILOSOPHY under the FACULTY OF COMPUTER SCIENCE AND ENGINEERING, having been certified by duly appointed examiners to be qualified to receive the same on AUGUST 2021 for the thesis entitled DEVELOPING AN EFFECTIVE CRYPTOSYSTEM FOR SECURE MANAGEMENT OF HEALTHCARE DATA IN CLOUD ENVIRONMENT given under the seal of the institution, at Chennai this TWENTY FIFTH day of SEPTEMBER 2021

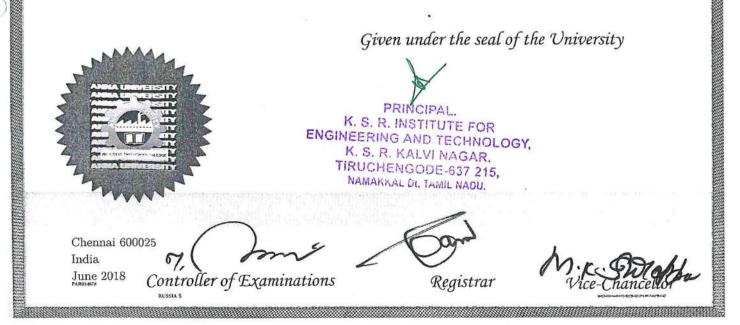


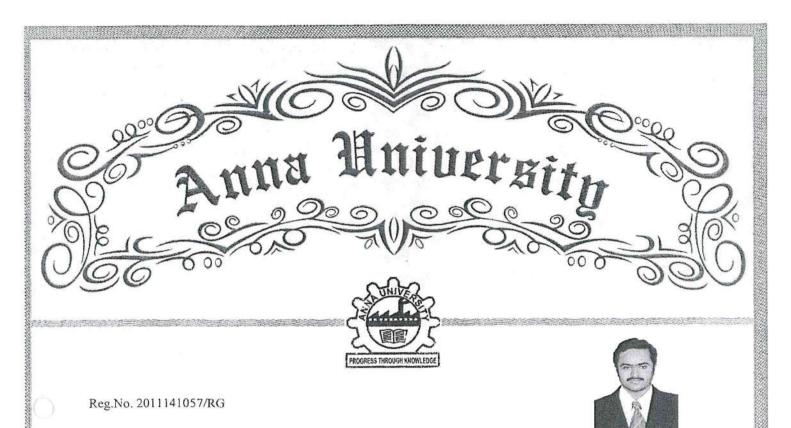
Page 31 of 44



The Syndicate of the Anna University hereby makes known that RUSSIA S has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Information and Communication Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2017. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009". Title of the Thesis:

SECURED ENERGY EFFICIENT MULTIPATH ROUTING MODEL FOR MOBILE AD HOC NETWORKS



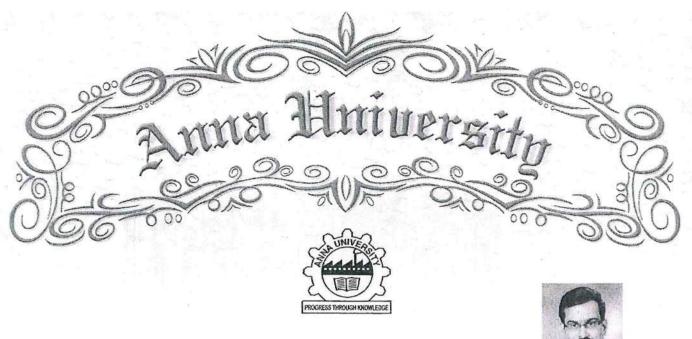


The Syndicate of the Anna University hereby makes known that MARKKANDEYAN S has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Information and Communication Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2016. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

EFFICIENT AUTOMATIC WEB PAGE CLASSIFICATION ALGORITHMS USING HYBRID FEATURE SELECTION METHODS

Given under the Seal of the University PRINCIPAL. K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY, K S K KALVI NAGAR, TIRUCHENGODE-637 215, NAMAKKAL DI, TAMIL NAGU. Chennai 600 025 India May 2017 Controller of Examinations May 2017 Controller of Examinations May 2017



Reg.No. 71030621014/RG



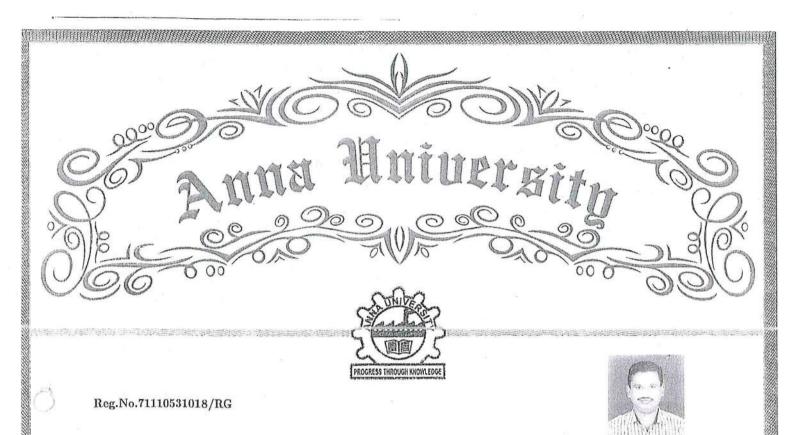
The Syndicate of the Anna University hereby makes known that MAHESH KUMAR N B has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Information and Communication Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2016. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

CERTAIN INVESTIGATIONS ON TRANSFORM BASED TECHNIQUES IN PALMPRINT AND FINGER KNUCKLE-PRINT BIOMETRICS FOR PERSONAL AUTHENTICATION

Given under the Seal of the University

PRINCIPAL. K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY, K. S. R. KALVI NAGAR, TIRUCHENGODE-637 215, NAMAKKAL DI, TAMIL NADU. Chennai 600 025 India January 2016 Controller of Examinations hancello Registrar



The Syndicate of the Anna University hereby makes known that PRABU R has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Information and Communication Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2018. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

INVESTIGATION ON PERFORMANCE ANALYSIS OF SVM ELM KNN CLASSIFIERS FOR DETECTION OF ABNORMAL REGION FROM ELECTRICAL IMPEDANCE TOMOGRAPHY IMAGES

Page 35 of 44

Given under the seal of the University **ATTESTED**.

PRINCIPAL, K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY, K. S. R. Kalvi Nagar, TIRUCHENGODE - 637 215, NAMAKKAL DI, TAMIL NADU.

Registrar

Chancel

Chennai 600025 India December 2018

PRADUT

Controller of Examinations

	Σ	R	
6	anuisud gant	AN AN	
100		ani	
Sal	All Manue	Part and	
	N Z	C	

பாரதியார் பல்கலைக் கழகம் Bharathiar University

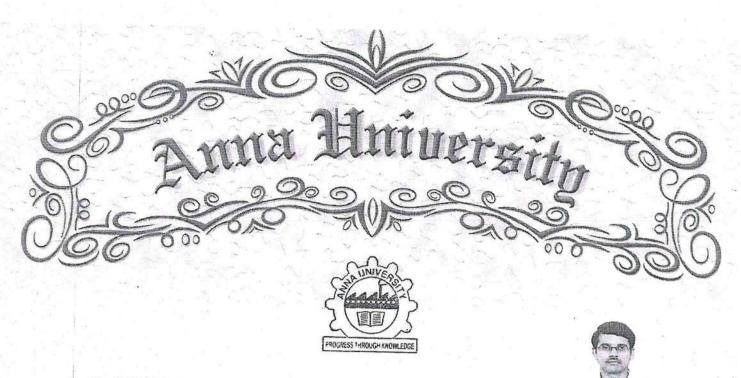
அறிவியல் புலம்

FACULTY OF SCIENCE

ලැල, பிரிவில் சான்றளித்ததை இலச்சினையுடன், தேர்வாளர் என்னும் தகுதியடைந்திருப்பதாகச் ക്യുക இயற்பியல் அமைக்கப்பட்ட பல்கலைக் வழங்குகின்றது. நாளில் பெறத் ருறையாக \mathcal{F} பட்டத்தைப் 2009ஆம் ஆண்டு, ஏப்ரல் *18*ஆம் LILLID ஆட்கிக் பாரதியார் பல்கலைக் கழகத்தால் என்னும் பாரதியார் பல்கலைக் கழக அந்தப் ஆய்வியல் அறிஞர் அவருக்கு சுண்ணன் ச, ஏற்று,

PHYSICS, KANNAN C 18th APRIL 2009. that in qualified to receive the same on DOCTOR OF PHILOSOPHY unouy makes hereby Bharathiar University been certified by duly appointed Examiners to be of Degree the the to admitted fo Syndicate been having The has





Reg.No. 7076012108/RG

The Syndicate of the Anna University hereby makes known that DEVABHARATHI V has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Science and Humanities, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2015. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

SYNTHESIS AND CHARACTERIZATION OF ZnO AND SILVER NANOPARTICLES FOR ANTIBACTERIAL, PHOTOCATALYTIC AND SOLAR CELL APPLICATIONS

Controller of Examination 37 of 44

Given under the Seal of the University

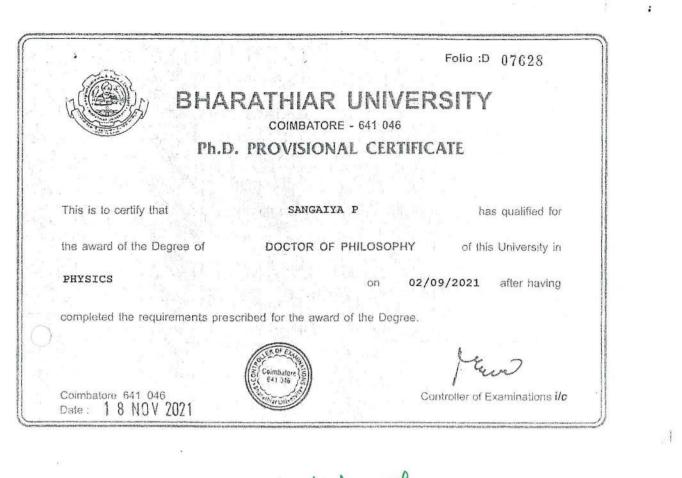
Vice-Chancellor

PRINCIPAL. K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY, K. S. R. KALVI NAGAR TIRUCHENGODE-637 215, Namannal DI, TAMIL NADU.

Chennai 600 025 India January 2016



RINCIPAL. K S R INSTITUTE FOR ENGINEERING AND TECH K S K KALVI NAGAN TIRUCHENGODE-637 215, NAMAKKAL DI, TAMIL NADU.



K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY, K S & KALVI NAGAR, TIRUCHENGODE-637 215, NAMAKKAL DI, TAMIL NADU.



பாரதியார் பல்கலைக்கழகம் BHARATHIAR UNIVERSITY அறிவியல் பலம் FACULTY OF SCIENCE

பாரதியார் பல்கலைக்கழகத்தால் முறையாக அமைக்கப்பட்ட கேர்வாளர் குழு சங்கையா பொ, 2021ஆம் ஆண்டு செப்டம்பர் 2ல் ஆய்வியல் அறிஞர் என்னும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றளித்ததை ஏற்று அவருக்கு அந்தப் பட்டத்தைப் பாரதியார் பல்கலைக்கழக இலச்சினையுடன் பல்கலைக்கழக ஆட்சிக்கு(ழ வழங்குகின்றது.

Syndicate of the Bharathiar University The hereby makes known that SANGAIYA P has been admitted to the Degree of DOCTOR OF PHILOSOPHY having been certified by duly appointed Examiners to be qualified to receive the same on 2nd SEPTEMBER 2021.

Title of the Thesis

Influence of Hexadecyl Trimethyl Ammonium Bromide (HTAB) as Surfactant on Synthesis of Undoped and M Doped (M: Sn, Cd, Ti, Ag) α-Fe₂O₃ Nanoparticles by Microwave Irradiation Process for P-N Junction Diode, Photocatalytic and Antimicrobial Activities

Subject

PHYSICS

Given under the seal of the University

தேர்வாணையர் (பொ) Controller of Examinations i/c

TIRUCHENGODE-637

NAMAKKAL DL TAMIL NA



கோயம்புத்தூர் Coimbatore நாள் Dated: 13th May 2022. akphd1000

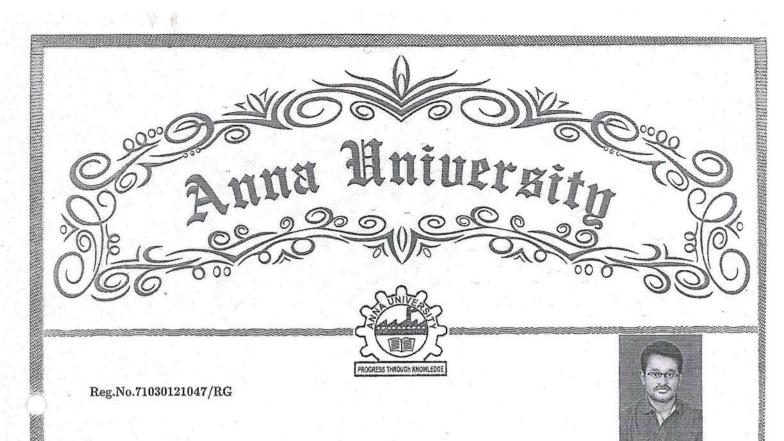
K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY. K S & KALVI NAGAR

துணைவேந்தர் Vice-Chancellor

and a ball of the second of th



Registrar i/c



The Syndicate of the Anna University hereby makes known that MUHUNTARAJAN C has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Science and Humanities, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2017. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

THE STATUS OF WOMAN IN THE SELECTED NOVELS OF MARGARET ATWOOD

Page 41 of 44

Given under the seal of the University

NCIPAL.

PRINCIPAL. K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY, K. S. R. KALVI NAGAR. TIRUCHENGODE-637 215, NAMAKKAL DI, TAMIL NADU.

Chennai 600025 India June 2018

Controller of Examinations

County of the second se	S.No : DOP பெரியார் பல்கலைக்கழகம் <u>PERIYAR UNIVERSITY</u> PROVISIONAL CERTIFICATE				
CENTRE CODE	REGISTER NUMBER	FOLIO NUMBER PHDF060 //	DATED 07-03-2022		
for the degree D(I that KANAGASELVAM R OCTOR OF PHILOSOPH effect from the date of Pu	Y in english 🦟	has qualified amination held on		
14-02-2022					
		GONTROLLER O	F EXAMINATIONS		
14-02-2022		CONTROLLER OI	FEXAMINATIONS		
14-02-2022	A. VPRINCIPAL. K S R INSTITUTE FO ENGINEERING AND TECHNO K S K KALVI NAGAR TIRUCHENGODE-637 2	CONTROLLER OI	FEXAMINATIONS		

à

*

Centre Code: 30 Reg. No. 06503-Ph.D-MAT



பாரத்தாசன் பல்கலைக்கழகம் BHAR ASAN I



(Accredited with A+ Grade by NAAC in the Third Cycle) (Established by the Government of Tamil Nadu in 1982; Recognized by UGC under 2(f) and 12(B) of UGC Act; Member, Association of Indian Universities and Association of Commonwealth Universities)

அறிவியல் புலம் FACULTY OF SCIENCE

பாரதிதாசன்	் பல்கலைக்கழக	ஆட்சிக் கு	தழு	மார்	<i>∳</i> 2019
ஆம் ஆண்டு		குமரவேல் ந	5		என்பவர்
கணிதவியல்			പി	ரிவில்	முனைவர்
என்னும் பட்டத	ந்திற்குத் தகுதி	பெற்றவர்	என்று	தக்க	தேர்வாளர்கள்
சான்றளித்தபடி	முனைவர்	என்னும்	பட்ட	த்தை	அவருக்குப்
பல்கலைக்கழக	இலச்சினையுடன்	வழங்குகிற	து.		

	The	Syndi	icate	of t	he BHARAT	HIDAS	AN UNIV	ERSITY	herel	by makes
know	wn	that			KUMAR	AVEL N		has	бееп	admitted
to	the	Deg	ree	of	DOCTOR OF	PHILO	SOPHY,	in	the	subject
MAT	ГНЕМА	TICS	S,					having	бееп	certified
бу	dul	бу	app	ointed	Examiners	to	бе	qualified	to	receive
the	same	in	MA	RCH	2019.					

Place of Study: PERIYAR E.V.R. COLLEGE(Autonomous), TIRUCHIRAPPALLI.

திருச்சிராப்பள்ளி

Tiruchirappalli

நாள் Date St October 2019

ISSUED ON : 01-10-2019

Title of the Thesis "A STUDY ON EDGE REGULAR FUZZY GRAPHS"

Page 43 of 44

Given under the seal of the University TRUCHENGODE-637 215.

பதிவாளர் Registrar

NCIPAL.

K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY. K. S. R. KALVI NAGAR.

NAMAKKAL DI, TAMIL NAOU.

துணைவேந்தர் Vice - Chancellor

PR



000746

Folio :D 06034 Folio :D 06034 BHARATHIAR UNIVERSITY COIMBATORE - 641 046 Ph.D. PROVISIONAL CERTIFICATE In as qualified for has qualified for has qualified for has qualified for has qualified for has availed for has availed for has qualified for h

PRINCIPAL. K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY, K. S. R. KALVI NAGAR, TIRUCHENGODE -637 215, NAMAKKAL DL. DAMIL NADU.

A :