



## **K S R Institute for Engineering and Technology**

**Tiruchengode, Namakkal (Dt), Tamil Nadu**

**(Approved by AICTE New Delhi & Affiliated to Anna University Chennai)**

**BE (CSE, EEE, ECE, Mech) & B.Tech (IT) Programmes are Accredited by NBA**

3.3.1 Number of Ph.D.s registered per eligible teachers during the last five years

### **INDEX**

<b>S.No.</b>	<b>Name of full time Teacher</b>	<b>Year of Recognition as Research Guide</b>	<b>No. of Scholars Registered</b>	<b>Page No.</b>
1	Dr.M.Venkatesan	2011	6	2 – 14
2	Dr.B.Kalaavathi	2010	13	15 – 42
3	Dr.R.Jeyabharath	2009	11	43 – 64
4	Dr. P.Veena	2010	2	65 – 69
5	Dr. P.Meenakshi Devi	2011	2	70 – 74
6	Dr. J.C.Kannan	2009	4	75 - 83
<b>Total</b>			<b>38</b>	

**List of Scholars registered Ph.D., under the guidance of Dr.M.Venkatesan**

<b>Name of the Ph.D. Scholar</b>	<b>Name of the Department</b>	<b>Title of the thesis</b>	<b>Year of Registration of the scholar</b>	<b>Year of award of Ph.D.,</b>
Dr.Vijender Kumar	CSE	A Conceptual Model of Smart City Infra Structure to Connect Intelligent Domain Using IOT	2011	2017
Dr.K A Jayabalaji	CSE	Design and Development of Clustering Technique and Routing Protocol For Under Water Wireless Sensor Networks	2011	2017
Dr.M. Sakthivel	CSE	An Integrated Framework for Detecting Traffic Trajectory Errors By Monitoring Periphery Interfaces of Optimized Routers	2011	2017
Dr.K.Sumathi	CSE	Effective Congestion Control Approaches For Wireless Multimedia Sensor Networks	2011	2017
Dr.A.M.Senthil Kumar	CSE	On Ways to Improve Multi Objective Resource Allocation In Cloud Computing Environment Using Optimization Algorithms	2011	2019
Dr.S.Sivaprakash	CSE	Design of An Intelligent Jammer for High Profile Security Mechanism Against Improvised Explosive Device Attacks	2011	2019

Ph.D. Public Viva-Voce Examination

Name of the Scholar : Vijender Kumar  
Registration Number : 71160631065  
Category of registration : ~~Full-time~~ / Part-time  
Faculty : Information and Communication Engineering  
Title of the Thesis : A Conceptual Model of Smart City Infrastructure to Connect Intelligent Domain Using IoT  
Date and Time of Viva-voce Examination : 09/01/2017 - 09.30 AM  
Venue : Seminar Hall, K.S.R. Institute for Engineering and Technology, Tiruchengode - 637215  
Name and address of the Supervisor : Dr. M.Venkatesan  
Professor  
Department of Computer Science and Engineering,  
K.S.R. Institute for Engineering and Technology,  
Tiruchengode, Namakkal - 637215  
Name and address of the Joint Supervisor : Not Applicable  
(if applicable)

All are cordially invited

Date : 02/01/2017

Place : Tiruchengode

Signature of the Supervisor

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

Signature of the HoD/Director of the  
Centre of the Supervisor  
(Name and seal)

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9. The Professor, Planning and Development, Anna University - 600 025.
10. The Dean, College of Engineering, Guindy, Anna University, Chennai - 600 025.
11. The Dean, Madras Institute of Technology Campus, Anna University, Chennai - 600 044.
12. The Dean, A. C. College of Technology, Anna University, Chennai - 600 025.
13. Members of the Oral Examination Board.
14. Doctoral Committee Members.
15. Principal of all Government, Government Aided & Self-Financing Engineering Colleges in the region.

# Anna University



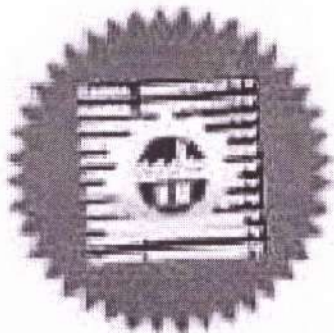
Reg. No. T1166411855803

The Syndicate of the Anna University hereby makes known that **VIJENDER KUMAR** 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:*


**A CONCEPTUAL MODEL OF SMART CITY INFRASTRUCTURE TO CONNECT INTELLIGENT DOMAIN USING IOT**

Given under the Seal of the University

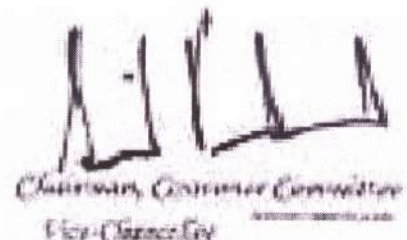


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TIRUCHENGAI DISTRICT,  
NAMAKKAL DIVISION.

Chennai 600 025  
India  
May 2017

  
Principal

  
Chairman, Council of Examinations

  
Vice-Chancellor

**ANNA UNIVERSITY:: CHENNAI - 25**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**K.S.R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY**  
**TIRUCHENGODE - 637 215**

**Ph.D. Public Viva-Voce Examination**

Name of the Scholar : K.A.JAYABALAJI

Registration Number : 71160631015

Category of registration : Part-time

Faculty : Information and Communication Engineering

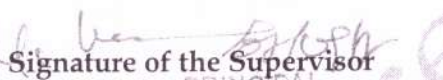
Title of the Thesis : DESIGN AND DEVELOPMENT OF CLUSTERING  
TECHNIQUE AND ROUTING PROTOCOL FOR  
UNDERWATER WIRELESS SENSOR NETWORK

Date and Time of Viva-voce Examination : 20.09.2017 at 02.00 P.M.

Venue : Seminar Hall,  
K.S.R. Institute for Engineering and Technology.

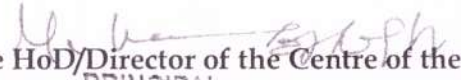
Name and address of the Supervisor : Dr.M.VENKATESAN  
Professor , Department of CSE,  
K.S.R Institute for Engineering and Technology,  
Tiruchengode - 637215

All are cordially invited


  
Signature of the Supervisor  
PRINCIPAL,  
K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
K. S. R. KALVI NAGAR,  
TIRUCHENGODE - 637 215,  
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Date : 07.09.2017

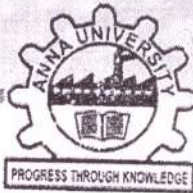
Place : Tiruchengode.

  
Signature of the HoD/Director of the Centre of the Supervisor  
(Name and seal)  
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  9. The Dean, CEG, Guindy, Anna University, Chennai - 600 025.
  10. Members of the Oral Examination Board.
  11. The Doctoral Committee members of the Research Scholar.
  12. The Principal, K.S.R. College of Engineering, Tiruchengode - 637 215.
  13. The Principal, Sengunthar Engineering College, Tiruchengode - 637 205.
  14. Principals of all Govt., Aided and Affiliated Engineering Colleges under Anna University, Chennai -25, with a respect to display in the Notice Board.

  
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# Anna University



Reg.No.71160631015/RG

The Syndicate of the Anna University hereby makes known that **JAYABALAJI K A** 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:

**DESIGN AND DEVELOPMENT OF CLUSTERING TECHNIQUE AND ROUTING PROTOCOL FOR UNDER WATER WIRELESS SENSOR NETWORKS**

*[Handwritten signature]*  
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K. S. R. INSTITUTE FOR  
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TIRUCHENGODE - 612015,  
NAMAKKAL DISTRICT, TAMIL NADU.

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Chennai 600025  
India

June 2018  
PARTITION

*[Handwritten signature]*  
Controller of Examinations

JAYABALAJI K A

Page 6 of 83

*[Handwritten signature]*  
Registrar

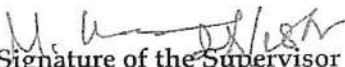
*[Handwritten signature]*  
Vice-Chancellor

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K.S.R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY  
TIRUCHENGODE - 637 215


Ph.D. Public Viva-Voce Examination

Name of the Scholar : M.SAKTHIVEL  
Registration Number : 71160631048  
Category of registration : Part-time  
Faculty : Information and Communication Engineering  
Title of the Thesis : AN INTEGRATED FRAMEWORK FOR DETECTING  
TRAFFIC TRAJECTORY ERRORS BY MONITORING  
PERIPHERY INTERFACES OF OPTIMIZED ROUTERS  
Date and Time of Viva-voce Examination : 01.09.2017 @ 10.00 AM  
Venue : Seminar Hall ,  
K.S.R. Institute For Engineering and Technology.  
Name and address of the Supervisor : Dr.M.VENKATESAN  
Professor , Department of CSE  
K.S.R Institute For Engineering and Technology,  
Tiruchengode - 637215

All are cordially invited


  
Signature of the Supervisor  
PRINCIPAL.

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Signature of the HoD/Director of the Centre of the Supervisor  
(Name and Seal).

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The Syndicate of the Anna University hereby makes known that **SAKTHIVEL 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 **2017**. The degree has been awarded in compliance with the **“University Grants Commission, Regulations 2009”**.


Title of the Thesis:

**AN INTEGRATED FRAMEWORK FOR DETECTING TRAFFIC TRAJECTORY ERRORS BY MONITORING PERIPHERY INTERFACES OF OPTIMIZED ROUTERS**


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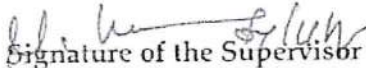


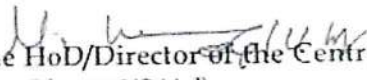
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
K.S.R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY  
TIRUCHENGODE - 637 215

Ph.D. Public Viva-Voce Examination

Name of the Scholar : SUMATHI K  
Registration Number : 71130632068  
Category of registration : Part-time  
Faculty : Information and Communication Engineering  
Title of the Thesis : Effective congestion control approaches for  
Wireless multimedia sensor networks  
Date and Time of Viva-voce Examination : 13.11.2017 at 8.30 A.M.  
Venue : Seminar Hall,  
K.S.R. Institute for Engineering and Technology,  
Name and address of the Supervisor : Dr.M.VENKATESAN  
Principal  
K.S.R Institute for Engineering and Technology  
Tiruchengode - 637215

All are cordially invited

  
Signature of the Supervisor  
PRINCIPAL  
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Signature of the HoD/Director of the Centre of the Supervisor  
(Principal)  
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10. Members of the Oral Examination Board.
11. The Doctoral Committee members of the Research Scholar.
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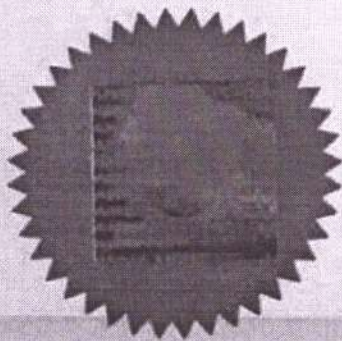


The Syndicate of the Anna University hereby makes known that **SUMATHI K** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the **Faculty of Information and Communication Engineering**, having been certified by the duly appointed examiners to be qualified to receive the same in the year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

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Chennai 600025  
India  
June 2018

Controller of Examinations

Registrar

Vite-Chancellor

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY  
TIRUCHENGODE-637 215

Ph.D. Public Viva-Voce Examination

Name of the Scholar : SENTHIL KUMAR A M  
Registration Number : 71110931008  
Category of registration : Part-time  
Faculty : Information and Communication Engineering  
Title of the Thesis : On ways to Improve Multi-Objective Resource Allocation in Cloud Computing Environment using optimization algorithms  
Date and Time of Viva-voce Examination : 16.04.2019 at 10.00 AM  
Venue : Seminar Hall,  
KSR Institute for Engineering and Technology,  
Tiruchengode - 637 215  
Name and address of the Supervisor : Dr. M.VENKATESAN,  
Principal  
KSR Institute for Engineering and Technology,  
Tiruchengode - 637 215

All are cordially invited

Date : 05.04.2019  
Place : Tiruchengode

Signature of the Supervisor

(Name and seal)

(Dr. M.VENKATESAN)  
PRINCIPAL

Signature of the NoD/Director of the Centre of the Supervisor

Dr. B. KALAVATHI, M. Tech., Ph.D. (Name and seal)

PROFESSOR & HEAD

Dept. of Computer Science & Engineering

K S R INSTITUTE FOR

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5. The Director, Directorate of Technical Education (DOTE), Chennai-600 025

6. The Director (Research), Anna University, Chennai-600 025

7. The Controller of Examinations, Anna University, Chennai-600 025

8. The Director, Academic Courses, Anna University, Chennai-600 025

9. The Dean, CEG, Guindy, MIT Campus, Coimbatore, Tiruchirappalli, Tamil Nadu, Anna University, Chennai

10. Members of Oral Examination Board

11. The Doctoral Committee members of the Research Scholar

12. Principals of All Government, Government Aided and All Affiliated Engineering Colleges under Anna University with request to display in the Notice Board.

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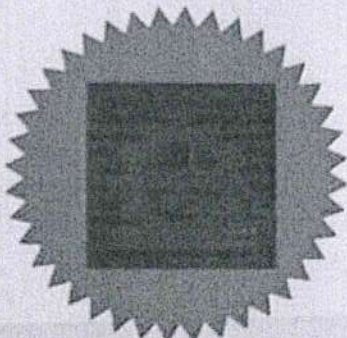


The Syndicate of the Anna University hereby makes known that **SENTHIL KUMAR A M** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the Faculty of Information and Communication Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the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

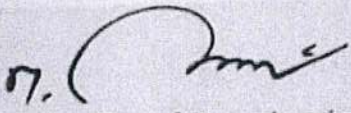
*Title of the Thesis:*

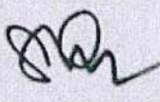
**ON WAYS TO IMPROVE MULTI-OBJECTIVE RESOURCE ALLOCATION IN CLOUD COMPUTING ENVIRONMENT USING OPTIMIZATION ALGORITHMS**



*Given under the seal of the University*



Chennai 600025  
India  
December 2019

  
Controller of Examinations

  
Registrar

  
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K. S. R. KALVI NAGAR,  
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NAMAKKAL DISTRICT, TAMIL NADU.  
  
Vice-Chancellor



Dr. K.P. JAYA  
DIRECTOR

Telephone : +91-44-2225 7366/2225 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Proceedings No. 71160631053/Ph.D/AR7

Date: 16.12.2019

Sub Ph.D Programme – Constitution of Oral Examination Board - Conduct of Viva-Voce in respect of Mr.S.Sivaprakash – orders issued – Regarding.

The Vice-Chancellor is pleased to constitute an Oral Examination Board consisting of the following experts to conduct the viva-voce Examination in respect of the research scholar, Mr.S.Sivaprakash.

- |  |                   |
|--|-------------------|
| <p>1. Dr.M.Venkatesan<br/>Professor<br/>Department of Computer Science and Engineering<br/>K.S.R Institute for Engineering and Technology Tiruchengode<br/>Namakkal 637215</p>                             | <p>Supervisor</p> |
| <p>2. Dr.P Santhi Thilagam<br/>Professor<br/>Department of Computer Science &amp; Engineering<br/>National Institute of Technology Karnataka<br/>Surathkal Srinivasnagar - 575 025 Mangalore Karnataka</p> | <p>Member</p>     |
| <p>3. Dr.A Amuthan<br/>Professor<br/>Department of Computer Science and Engineering<br/>Pondicherry Engineering College<br/>Pondicherry - 605 014</p>  | <p>Member</p>     |

The Convener of the Oral examination Board is requested to conduct the Oral examination within three months from the date of this office proceedings on a convenient date **except Saturday, Sunday and public holidays**. The Oral Examination for the above scholar shall be conducted as an "Open Defence Type". The outside members are eligible for TA/DA as per Anna University norms and all the travel bookings shall be made three weeks prior to the date of Oral examination.

The convener shall conduct the Oral Examination after a minimum of three weeks from the date of Viva-voce notification signed by the HoD/Director of Centre. The Viva-voce notification need to be generated online and the same shall be sent to the undersigned three weeks prior to the Oral examination date. A minimum of ten members excluding the examiners should attend the Viva-Voce examination.

A copy of the Viva-Voce notification and the minutes of the Oral Examination Board shall be sent to the undersigned as per the format specified in the Anna University website soon after the Viva-Voce is over for taking appropriate action. **Download Viva-Voce proceedings from Supervisor Login.**

The receipt of the proceedings may please be acknowledged.

To  
Dr.M. Venkatesan  
Professor  
Department of Computer Science and Engineering  
K.S.R Institute for Engineering and Technology, Tiruchengode  
Namakkal 637215

*Jayal*  
16/12/19  
DIRECTOR

2/19

*16/12/19*

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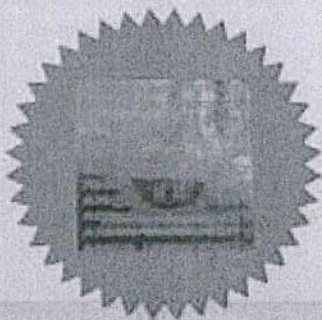
Reg.No. 71160631053/RG



*The Syndicate of the Anna University hereby makes known that SIVAPRAKASH 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:*

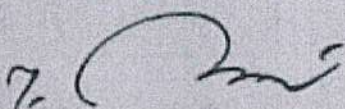
**DESIGN OF AN INTELLIGENT JAMMER FOR HIGH PROFILE SECURITY MECHANISM AGAINST IMPROVISED EXPLOSIVE DEVICE ATTACKS**



*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 DISTRICT, TAMIL NADU.

Chennai 600 025  
India  
March 2021

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

**List of Scholars registered Ph.D., under the guidance of Dr.B.Kalaavathi**

<b>Name of the Ph.D. Scholar</b>	<b>Name of the Department</b>	<b>Title of the thesis</b>	<b>Year of Registration of the scholar</b>	<b>Year of award of Ph.D.,</b>
Dr.M.Vimaladevi	CSE	Certain Investigations on Evolutionary Algorithms Based Neural Classifiers for Cancer Classification	2010	2016
Dr.M.I.Thariq Hussain	CSE	Performance Analysis of Clustering and Optimization Techniques for Sequential Pattern Mining	2010	2016
Dr.R.Poongodi	CSE	RST Invariant Based Attack Resistant Analysis for Image Watermarking Using Video Frames	2010	2017
Dr.P.S.Gomathi	CSE	Investigations on Multimodal Medical Images Fusion Using Stationary Wavelet And Non Subsampled Contourlet Transforms	2010	2017
Dr.R.Chitra	CSE	Performance Analysis of Security Enhanced WIMAX Based E-Learning System	2011	2017
Dr.S.Selvi	CSE	Novel Optimized Rescheduling Algorithms for A Multilayer Cloud Environment	2012	2019
Dr.P.Selvaraju	CSE	Investigations on Naturally Inspired Meta Heuristic Optimization Techniques for Web Usage Mining	2011	2019

Dr.D.Muthu Sankar	CSE	Enhancement of Frequent Sequential Pattern Mining Using Co-Occurrence for Web Recommender Systems	2011	2019
Dr.S.Viveka	CSE	Incremental Mining of Periodic High Utility Item Set Using Artificial Bee Colony and Pruning Strategies for Retail Industry and Clinical Databases	2011	2020
Dr.N.Mohana Priya	CSE	Classification of Lung Tumor Using Deep Learning With Hybrid Particle Swarm Optimization Based Image Enhancement Technique	2011	2020
Dr. S D Prabu Ragavendiran	CSE	Certain Investigations On Cloud Trust Computing Strategies Using Fuzzy Logic	2011	2020
Dr. A. Uma Maheswari	CSE	Efficacious Framework for The Detection of Sybil Attack In Mobile Ad Hoc Network	2011	2020
Dr.M.Dhipa	CSE	Analysis of Swarm Intelligence Based Approaches to Vertical Handoff In Heterogeneous Wireless Networks	2012	2020



ANNA UNIVERSITY, CHENNAI - 25  
 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
 K.S.R. Institute for Engineering and Technology  
 Tiruchengode 637 215

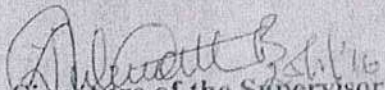
Ph.D. Public Viva-Voce Examination

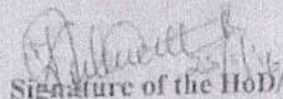
Name of the Scholar : M.VIMALADEVI  
 Registration Number : 71030622047  
 Category of registration : Full-time / Part-time  
 Faculty : Information and Communication Engineering  
 Title of the Thesis : CERTAIN INVESTIGATIONS OF EVOLUTIONARY ALGORITHMS BASED NEURAL CLASSIFIERS FOR CANCER CLASSIFICATION  
 Date and Time of Viva-voce Examination : 08.02.2016 , Monday 9.30 am.  
 Venue : ECE Seminar Hall,  
 K.S.R. Institute for Engineering and Technology,  
 Tiruchengode  
 Name and address of the Supervisor : Dr.B.Kalaavathi,  
 Professor & Head,  
 Department of Computer Science and Engineering,  
 K.S.R. Institute for Engineering and Technology,  
 Tiruchengode

All are cordially invited

Date : 25.01.2016


Place : Tiruchengode

  
 Signature of the Supervisor

  
 Signature of the HoD/Director of the Centre for the Supervisor  
 Dr. B. KALAAVATHI, M.Tech., Ph.D.  
 PROFESSOR & HEAD  
 Dept. of Computer Science & Engineering  
 K.S.R. INSTITUTE FOR  
 ENGINEERING AND TECHNOLOGY  
 TIRUCHENGODE-637 215.

Copy to:

1. P.S to Vice-chancellor, Anna University, Chennai - 600 025
2. P.A to Registrar, Anna University, Chennai - 600 025
3. The Controller of Examinations, Anna University, Chennai - 600 025
4. The Director(Research), Anna University, Chennai - 600 025
5. The Regional Director (Research), Coimbatore - 641 047
6. Dr. Chandan Kumar Sarkar, Professor, Jadavpur University, Kolkata - 700 032
7. Dr.R. Punithavathi, Professor, Vivekanandha Institute of Engineering and Technology for Women, Tiruchengode

  
 PRINCIPAL,  
 K. S. R. INSTITUTE FOR  
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 W. S. R. NAGAR,  
 TIRUCHENGODE - 637 215,  
 NAMAKKAL Dt, TAMIL NADU.

# Anna University



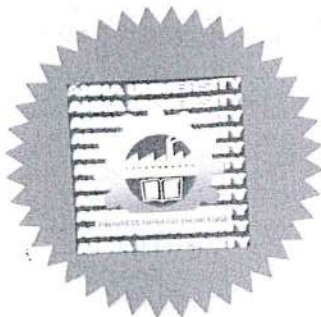
Reg.No. 71030622047/RG

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**

Given under the Seal of the University




Chennai 600 025  
India  
May 2017  
VA0014012

  
Controller of Examinations  
VIMALADEVI M

  
Registrar

  
PRINCIPAL,  
K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
K. S. R. KALVINAGAR,  
TIRUCHENGODE - 637 215,  
NAIYAKKAL DE, TAMIL NADU.

  
Chairman, Convener Committee  
Vice-Chancellor

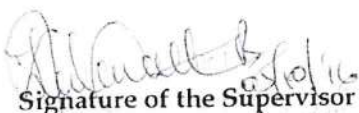
ANNA UNIVERSITY :: CHENNAI - 25  
Department of Computer Science and Engineering  
K. S. R. Institute for Engineering and Technology  
Tiruchengode, Namakkal (DT) - 637215

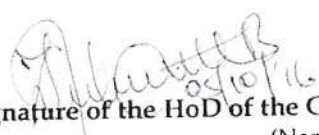
Ph.D. Public Viva-Voce Examination

Name of the Scholar : M. I. THARIQ HUSSAN  
Registration Number : 71060621048  
Category of registration : Part-time  
Faculty : Information and Communication Engineering  
Title of the Thesis : Performance Analysis of Clustering and  
Optimization Techniques for Sequential Pattern  
Mining  
Date and Time of Viva-voce Examination : 18-10-2016 (Tuesday) & 9.30 am  
Venue : Board Room,  
K. S. R. Institute for Engineering and Technology  
Name and address of the Supervisor : Dr. B. KALAAVATHI,  
Professor and Head,  
Department of Computer Science and Engineering,  
K. S. R. Institute for Engineering and Technology,  
Tiruchengode - 637215.

All are cordially invited

Date : 5-10-2016  
Place : Tiruchengode

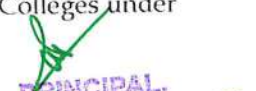
  
Signature of the Supervisor

  
Signature of the HoD of the Centre of the Supervisor  
(Name and seal)

Dr. B. KALAAVATHI B.E., M.Tech., Ph.D.  
Professor & Head  
Dept. of Computer Science & Engg.  
KSR Institute for  
Engineering and Technology  
Tiruchengode - 637215

Copy to:

1. P.S. to Vice Chancellor, Anna University, Chennai.
2. The Registrar, Anna University, Chennai.
3. The Controller of Examinations, Anna University, Chennai.
4. The Director (Research), Anna University, Chennai.
5. The Director (Academic Courses), Anna University, Chennai.
6. The Dean, College of Engineering, Guindy Campus, Anna University, Chennai.
7. The Dean, MIT Campus, Anna University, Chennai.
8. The Dean, Anna University Regional Office, Coimbatore.
9. The Doctoral Committee Members
10. The Principals of all Government, Government-aided and Affiliated Engineering Colleges under Anna University, Chennai (with a request to display in the notice board).
11. The Principal, Paavai Engineering College, Namakkal.

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

# Anna University



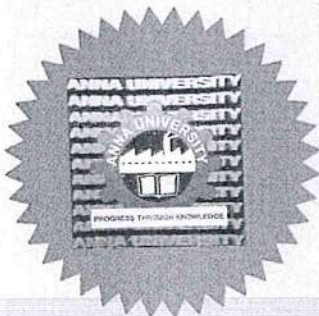
Reg.No. 71060621048/RG

The Syndicate of the Anna University hereby makes known that **THARIQ HUSSAN M I** 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".

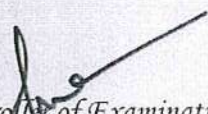
*Title of the Thesis:*

**PERFORMANCE ANALYSIS OF CLUSTERING AND OPTIMIZATION TECHNIQUES FOR SEQUENTIAL PATTERN MINING**

*Given under the Seal of the University*

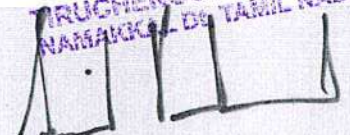


Chennai 600 025  
India  
May 2017  
NAR014245

  
Controller of Examinations  
THARIQ HUSSAN M I

  
Registrar

  
PRINCIPAL,  
K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
K. S. R. KALMI NAGAR,  
TRUCHENGODE - 637 215,  
NAMAKKAL DISTRICT, TAMIL NADU.

  
Chairman, Convener Committee  
Vice-Chancellor

ANNA UNIVERSITY:: CHENNAI  
 Department of Computer Science and En  
 KSR Institute for Engineering and Techno  
 K.S.R. Kalvi Nagar, Tiruchengodu-63

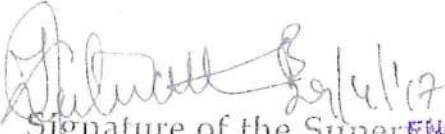
Ph.D. Public Viva-Voce Examination


Name of the Scholar : S.POONGODI  
 Registration Number : 71060522020  
 Category of registration : Part-time  
 Faculty : Information and  
 Title of the Thesis : RST Invariant Base  
 Image Watermarki  
 Date and Time of Viva-voce Examination : 22.05.2017 & 02.30  
 Venue : Conference Hall  
 Name and address of the Supervisor : Dr.B.KALAAVAT  
 Professor & Head,  
 KSR Institute for I  
 K.S.R. Kalvi Nagar  
 Name and address of the Joint Supervisor : ---  
 (if applicable)

All are cordially invited

Date : 29.04.2017

Place: Tiruchengodu-

  
 Signature of the Supervisor

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

  
 Signature of the HoD/Director

# Anna University



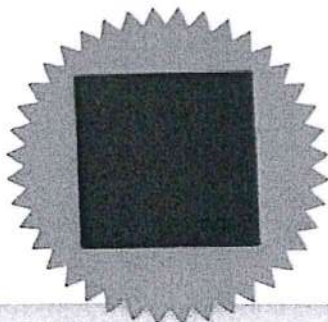
Reg.No.71060522020/RG

The Syndicate of the Anna University hereby makes known that **POONGODI 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:

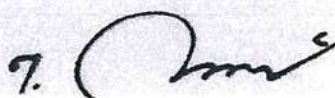
**RST INVARIANT BASED ATTACK RESISTANT ANALYSIS FOR IMAGE WATERMARKING USING VIDEO FRAMES**

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 DL, TAMIL NADU.

Chennai 600025  
India  
June 2018  
PABRMSI

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

**ANNA UNIVERSITY :: CHENNAI-25**  
**Department of Computer Science and Engineering**  
**KSR Institute for Engineering and Technology**  
**K.S.R. Kalvi Nagar, Tiruchengode-637 215.**


**Ph.D. Public Viva-Voce Examination**

Name of the Scholar : P.S.GOMATHI  
Registration Number : 71060422008  
Category of registration : Part-time  
Faculty : Information and Communication Engineering  
Title of the Thesis : Investigations on Multimodal Medical Image  
Fusion using Stationary Wavelet and Nonsubsampled  
Contourlet Transforms  
Date and Time of Viva-voce Examination : 30.06.2017 & 10.00 A.M.  
Venue : Conference Hall  
Name and address of the Supervisor : Dr.B.KALAAVATHI  
Professor & Head/CSE  
KSR Institute for Engineering and Technology,  
K.S.R.Kalvi Nagar, Tiruchengode - 637 215.  
Name and address of the Joint Supervisor : ---  
(if applicable)  
**All are cordially invited**  
Date : 09.06.2017  
Place : Tiruchengode.

Signature of the Supervisor

Signature of the HoD/Director of the Centre of the Supervisor  
(Name and seal)

- Copy to:
1. The Vice-Chancellor, Anna University, Chennai-600 025.
  2. P.S. to Vice-Chancellor, Anna University, Chennai-600 025.
  3. The Registrar, Anna University, Chennai- 600 025.
  4. P.A. to Registrar, Anna University, Chennai- 600 025.
  5. The Director (Research), Anna University, Chennai- 600 025.
  6. The Controller of Examinations, Anna University, Chennai- 600 025.
  7. The Director, Academic Courses, Anna University, Chennai- 600 025.
  8. The Professor, Planning and Development, Anna University, Chennai- 600 025.
  9. The Dean, CEG, Guindy, Anna University, Chennai- 600 025.
  10. The Dean, MIT Campus, Anna University, Chennai- 600 044.
  11. The Doctoral Committee Members of the Research Scholar.
  12. Principals of all Govt., Aided and Affiliated Engineering Colleges in Anna University, Chennai-25, with a request to display in the Notice Board.

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

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Reg. No. F1060423009/BC

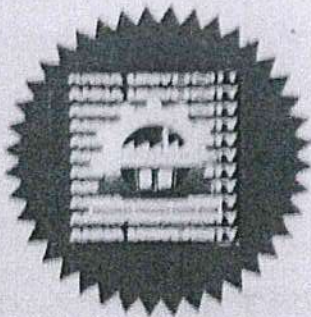


The Syndicate of the Anna University hereby makes known that **GOMATHI P S** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the Faculty of Information and Communication Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year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

*Title of the Thesis:*

INVESTIGATIONS ON MULTIMODAL MEDICAL IMAGE FUSION USING STATIONARY WAVELET AND NONSUBSAMPLED CONTOURLET TRANSFORMS

Given under the seal of the University



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K. S. R. KALVI NAGAR,  
TIRUCHENGODE - 637 015,  
NANAKKAL Dt, TAMIL NADU.

Chemical 600025

India

June 2018

123456

Controller of Examinations

Registrar

Vice-Chancellor



ANNA UNIVERSITY :: CHENNAI-25  
 Department of Computer Science and Engineering  
 KSR Institute for Engineering and Technology  
 K.S.R. Kalvi Nagar, Tiruchengode-637 21

**Ph.D. Public Viva-Voce Examination**

Name of the Scholar : R.CHITHRA

Registration Number : 11160932001

Category of registration : Part-time

Faculty : Information and Communication

Title of the Thesis : PERFORMANCE ANALYSIS AND ENHANCED WIMAX BASED

Date and Time of Viva-voce Examination : 10.08.2017(Thursday) & 02.30 PM

Venue : Seminar Hall

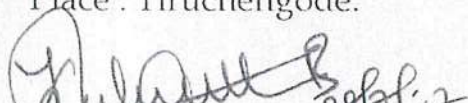
Name and address of the Supervisor : Dr.B.KALAAVATHI,  
 Professor & Head/CSE,  
 KSR Institute for Engineering and Technology,  
 K.S.R. Kalvi Nagar, Tiruchengode-637 21

Name and address of the Joint Supervisor : ---  
 (if applicable)

All are cordially invited

Date : 28.07.2017

Place : Tiruchengode.

  
 Signature of the Supervisor  
 Dr. B. KALAAVATHI, M. Tech., Ph.D.,  
 PROFESSOR & HEAD

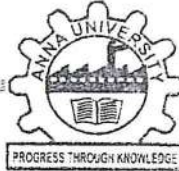
Dept of Computer Science & Engineering,  
 K S R INSTITUTE FOR

Copy to: The Vice-Chancellor, Anna University, Chennai-600 025.  
 TIRUCHENGODE-637 215.

  
 Signature of the HoD/Director of  
 (Name and seal)  
 PRINCIPAL,  
 K. S. R. INSTITUTE FOR  
 ENGINEERING AND TECHNOLOGY,  
 K. S. R. KALVI NAGAR,  
 TIRUCHENGODE - 637 215,  
 NAMAKKAL DL, TAMIL NADU.

Dept. of

EN



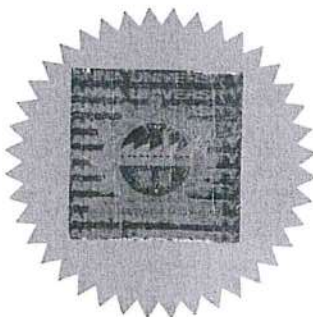
Reg.No.11160932001/RG

The Syndicate of the Anna University hereby makes known that **CHITHRA 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:

**PERFORMANCE ANALYSIS OF SECURITY ENHANCED WIMAX BASED E-LEARNING SYSTEM**

Given under the seal of the University



Chennai 600025  
India  
June 2018  
PABOLATH

  
Controller of Examinations  
CHITHRA R

  
PRINCIPAL,  
K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
K. S. R. KALVI NAGAR,  
TIRUCHENGODE - 637 015,  
NAMAKKAL DS, TAMIL NADU.

  
Registrar

  
Vice-Chancellor

ANNA UNIVERSITY:: CHENNAI - 25  
Department of Computer Science and Engineering  
K.S.R Institute for Engineering and Technology  
Tiruchengode- 637 215

Ph.D. Public Viva-Voce Examination

Name of the Scholar : S.SELVI  
Registration Number : 11210632040  
Category of Registration : Part-time  
Faculty : Information and Communication Engineering  
Title of the Thesis : NOVEL OPTIMIZED RESCHEDULING  
ALGORITHMS FOR A MULTILAYER CLOUD  
ENVIRONMENT  
Date and Time of Viva-Voce Examination : 24.04.2019, Wednesday 09.00 A.M.  
Venue : EEE Seminar Hall,  
K.S.R Institute for Engineering and Technology  
Tiruchengode.  
Name and Address of the Supervisor : Dr.B.Kalaavathi,  
Professor & Head,  
Department of Computer Science and Engineering,  
KSR Institute for Engineering and Technology,  
Tiruchengode.

All are cordially invited

Date : 09.04.2019

Place : Tiruchengode

Signature of the Supervisor  
(Name and seal)

Dr. B. KALAAVATHI, M. Tech., Ph.D.,  
PROFESSOR & HEAD

Dept of Computer Science & Engineering,  
K.S.R INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
TIRUCHENGODE - 637 215.

Signature of the HOD/Director of the Centre of the Supervisor  
(Name and seal)

Dr. B. KALAAVATHI, M. Tech., Ph.D.,  
PROFESSOR & HEAD

Dept of Computer Science & Engineering,  
K.S.R INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
TIRUCHENGODE - 637 215.

Copy to:

1. The Vice-Chancellor, Anna University, Chennai-25.
2. The P.S. to Vice-Chancellor, Anna University, Chennai-25.
3. The Registrar, Anna University, Chennai-25.
4. The Controller of Examinations, Anna University, Chennai-25.
5. The Director (Research), Anna University, Chennai-25.
6. The Dean, Anna University, Regional Office, Coimbatore -47.
7. The Deputy Director (Research), Anna University, Regional Centre, Coimbatore -47.
8. The Director (Academic Courses), Anna University, Chennai-25.
9. The Dean, MIT Campus, Anna University, Chennai-25.
10. The Dean, College of Engineering, Guindy Campus, Anna University, Chennai-25.
11. The Principals of all Govt., Govt. Aided, and Affiliated Engineering Colleges of Anna University with a request to display in the Notice Board.
12. The Oral Examination Board Members.
13. The Principal, All HOD's, KSR Institute for Engineering and Technology, Tiruchengode.
14. The Doctoral Committee Members of the Candidate.

PRINCIPAL,  
K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
K. S. R. KALYANAGAR,  
TIRUCHENGODE - 637 215,  
NAMAKKAL DISTRICT, TAMIL NADU.

# Anna University



Reg.No.11210632040/RG

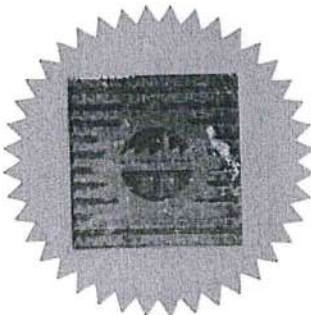


The Syndicate of the Anna University hereby makes known that **SELVI S** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the Faculty of Information and Communication Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year **2019**.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

Title of the Thesis:

**NOVEL OPTIMIZED RESCHEDULING ALGORITHMS FOR A MULTILAYER CLOUD ENVIRONMENT**

*Given under the seal of the University*



Chennai 600025  
India  
December 2019  
QR019142

  
Controller of Examinations

  
Registrar

  
PRINCIPAL,  
K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
K. S. R. KALVI NAGAR,  
TIRUCHENGOODE - 637 125,  
NAMAKKAL Dt, TAMIL NADU.

  
Vice-Chancellor

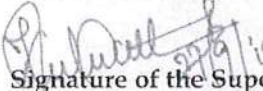
ANNA UNIVERSITY:: CHENNAI - 25  
Department of Computer Science and Engineering  
K.S.R Institute for Engineering and Technology  
Tiruchengode- 637 215


Ph.D. Public Viva-Voce Examination

Name of the Scholar : Mr. P.SELVARAJU  
Registration Number : 11130631033  
Category of Registration : Part-time  
Faculty : Information and Communication Engineering  
Title of the Thesis : INVESTIGATION ON NATURALLY INSPIRE  
META HEURISTIC OPTIMIZATION  
TECHNIQUES FOR WEB USAGE MINING  
Date and Time of Viva-Voce Examination : 16.10.2019, Wednesday 02.30 P.M.  
Venue : EEE Seminar Hall,  
K.S.R Institute for Engineering and Technology  
Tiruchengode.  
Name and Address of the Supervisor : Dr.B.Kalaavathi,  
Professor & Head,  
Department of Computer Science and Engineering,  
KSR Institute for Engineering and Technology,  
Tiruchengode.  
Name and address of the Joint Supervisor : NA  
(if applicable)

All are cordially invited

Date : 27.9.2019  
Place : Tiruchengode

  
Signature of the Supervisor  
(Name and seal)  
Dr. B. KALAAVATHI, M. Tech., Ph.D.,  
PROFESSOR & HEAD  
Dept. of Computer Science & Engineering,  
K.S.R INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
TIRUCHENGODE-637 215.

  
Signature of the HoD/Director of the Centre of the Supervi  
Dr. B. KALAAVATHI, M. (Name and seal)  
PROFESSOR & HEAD  
Dept. of Computer Science & Engineering,  
K S R INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
TIRUCHENGODE-637 215.

- Copy to  
1. The Vice-Chancellor, Anna University, Chennai-25.  
2. The P.S. to Vice-Chancellor, Anna University, Chennai-25.  
3. The Registrar, Anna University, Chennai-25.  
4. The Controller of Examinations, Anna University, Chennai-25.  
5. The Director (Research), Anna University, Chennai-25.  
6. The Dean, Anna University, Regional Office, Coimbatore -47.  
7. The Deputy Director (Research), Anna University, Regional Centre, Coimbatore -47.  
8. The Director (Academic Courses), Anna University, Chennai-25.  
9. The Dean, MIT Campus, Anna University, Chennai-25.  
10. The Dean, College of Engineering, Guindy Campus, Anna University, Chennai-25.  
11. The Principals of all Govt., Govt. Aided, and Affiliated Engineering Colleges of A  
University with a request to display in the Notice Board.

PRINCIPAL,  
K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
TIRUCHENGODE-637 215.

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# Anna University



Reg.No.11130631033/RG



The Syndicate of the Anna University hereby makes known that **SELVARAJU 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 2019. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

*Title of the Thesis:*  
**INVESTIGATION ON NATURALLY INSPIRED META HEURISTIC OPTIMIZATION TECHNIQUES FOR WEB USAGE MINING**

*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 Dt, TAMIL NADU.**

Chennai 600025  
India  
December 2019

*[Signature]*  
Controller of Examinations

*[Signature]*  
Registrar

*[Signature]*  
Vice-Chancellor



ANNA UNIVERSITY::CHENNAI - 25

Department of Computer Science and Engineering  
K.S.R Institute for Engineering and Technology  
Tiruchengode 637 215 -



Notification for Ph.D. Public Viva-Voce Examination

Name of the Scholar : Muthusankar D

Registration Number : 11160631022

Degree / Category : Ph.D. / Part-Time

Faculty : Information and Communication Engineering

Title of the Thesis : ENHANCEMENT OF FREQUENT SEQUENTIAL PATTERN MINING USING CO-OCCURRENCE FOR WEB RECOMMENDER SYSTEMS

Date and Time of Viva-Voce Examination : 22.11.2019 & 09:30-am

Venue :  
EEE Seminar Hall  
Department of Electrical and Electronics Engineering  
KSR Institute for Engineering and Technology, Tiruchengode  
Tamilnadu - 637215

Name and Address of the Supervisor :  
Dr. Kalaavathi B  
Professor  
Department of Computer Science and Engineering  
K.S.R Institute for Engineering and Technology Tiruchengode 637 215

Name and Address of the Joint Supervisor : Not Applicable

All are cordially invited to attend the Ph.D. Public Viva-Voce Examination

Date : 05-11-2019

Place : KSR Institute for Engineering and Technology, Tiruchengode, Tamilnadu - 637215

05/11/19

Signature of the Supervisor  
(Name,date and seal)

Dr. B. KALAAVATHI, M. Tech., Ph.D.,

PROFESSOR & HEAD

Dept. of Computer Science & Engineering

Anna University, Chennai - 25.

Anna University, Chennai - 25.

Anna university, Chennai - 25.

Anna university, Chennai - 25.

Anna University, Chennai - 25.

Anna University, Chennai - 25.

Government Aided and Affiliated Engineering Colleges.

Chennai

621615

637215

637215

637215

Signature of the Joint Supervisor  
(Name,date and seal)

(If applicable)

Signature of the HoD/Director of the Centre of the Supervisor  
(Name,date and seal)

Dr. R. JEYABHARATH, M.E., Ph.D.,

Professor & Head,

Department of EEE.,

KSR Institute for Engg. & Tech.,

TIRUCHENGODE-637 215.

Date: 05-11-2019 10:11:22 | Page: 1 / 1

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

# Anna University



Reg.No.11160631022/RG

The Syndicate of the Anna University hereby makes known that **MUTHUSANKAR D** 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:

**ENHANCEMENT OF FREQUENT SEQUENTIAL PATTERN MINING USING CO-OCCURRENCE FOR WEB RECOMMENDER SYSTEMS**


Given under the seal of the University



Chennai 600025  
India  
December 2019  
GARDIANT

  
Controller of Examinations  
MUTHUSANKAR D

  
Registrar

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





**ANNA UNIVERSITY::CHENNAI - 25**  
 Department of Computer Science and Engineering  
 KSR Institute of Engineering & Technology  
 Thiruchengode 637215 -  
 Notification for Ph.D. Public Viva-Voce Examination



**Name of the Scholar** : Viveka S

**Registration Number** : 11130932013

**Degree / Category** : Ph.D. / Part-Time

**Faculty** : Information and Communication Engineering

**Title of the Thesis** : INCREMENTAL MINING OF PERIODIC HIGH UTILITY ITEMSET USING ARTIFICIAL BEE COLONY AND PRUNING STRATEGIES FOR RETAIL INDUSTRY AND CLINICAL DATABASES

**Date and Time of Viva-Voce Examination** : 06.01.2020 & 11:00-am

**Venue** : Seminar Hall  
 Department of Electrical and Electronics Engineering  
 KSR Institute for Engineering and Technology, Tiruchengode  
 Thiruchengode 637215.

**Name and Address of the Supervisor** : Dr. Kalaavathi B  
 Professor  
 Department of Computer Science and Engineering  
 KSR Institute of Engineering & Technology Thiruchengode 637215

**Name and Address of the Joint Supervisor** : Not Applicable

All are cordially invited to attend the Ph.D. Public Viva-Voce Examination

**Date** : 09-12-2019

**Place** : KSR Institute for Engineering and Technology, Tiruchengode, Thiruchengode 637215.

Signature of the Supervisor (Name, date and seal) : Signature of the Joint Supervisor (Name, date and seal) (If applicable)

Signature of the HoD/Director of the Centre of the Supervisor (Name, date and seal)

Dept. of Computer Science & Engineering.

Copy for INSTITUTE FOR ENGINEERING AND TECHNOLOGY, Anna University, Chennai - 25.

Principal, Anna University, Chennai - 25.

The Controller of Examinations, Anna university, Chennai - 25.

The Additional Controller of Examinations, Anna university, Chennai - 25.

The Director, Centre for Research, Anna University, Chennai - 25.

The Director, Ramanujan Computing Centre, Anna University, Chennai - 25.

Dean / Director/ Principal of Government, Government Aided and Affiliated Engineering Colleges.

Dr.C.Venkatesh, Principal, Sengunthar Engineering College, Thiruchengode.

Dr.V.Muralibaskaran, Dean Academic, Rajalakshmi Engineering College, Chennai.

The Principal, KSR Institute for Engineering and Technology, Thiruchengode.

The Principal, Velalar College of Engineering and Technology, Erode.

**Dr. R. JEYABHARATH, M.E., Ph.D.**  
 Professor & Head,  
 Department of EEE.,  
 KSR Institute for Engg. & Tech.,  
 TIRUCHENGODE - 637 215.

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



# ANNA UNIVERSITY

## CENTRE FOR RESEARCH

Sardar Patel Road, Chennai - 600 025, India



**Dr. K.P. JAYA**  
DIRECTOR

Ref : No. 11130932013/Ph.D./AR7

Date : 10.01.2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms.S.Viveka**, has registered for Ph.D. Programme in **Computer Science and Engineering** during January-2011 . The scholar has submitted the thesis entitled, "**INCREMENTAL MINING OF PERIODIC HIGH UTILITY ITEMSET USING ARTIFICIAL BEE COLONY AND PRUNING STRATEGIES FOR RETAIL INDUSTRY AND CLINICAL DATABASES**" and has successfully completed the oral examination held on 06.01.2020 for the award of Ph.D. Degree under the Faculty of **Information and Communication Engineering**.

The Ph.D. Degree awarded by this University is in compliance of the UGC Regulations 2009.

*Jaydp*  
10/01-2020  
DIRECTOR (RESEARCH)

2/2

*SH*  
10/1/2020

*[Signature]*  
PRINCIPAL,  
K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
K. S. R. KALVI NAGAR,  
TIRUCHENGODE - 637 001,  
NAMAKKAL Dt, Tamil Nadu.

Tel. : +91 44 22357354, +91 44 22357366 • Fax : +91 44 22201213 • E-mail : dirresearch@annauniv.edu, dirresearch@gmail.com



**ANNA UNIVERSITY::CHENNAI - 25**

Department of Computer Science and Engineering  
K.S.R Institute for Engineering and Technology  
Tiruchengode Namakkal - 637 215



**Notification for Ph.D. Public Viva-Voce Examination**

**Name of the Scholar** : Mohanapriya N  
**Registration Number** : 71160632029  
**Degree / Category** : Ph.D. / Part-Time  
**Faculty** : Information and Communication Engineering  
**Title of the Thesis** : CLASSIFICATION OF LUNG TUMOR USING DEEP LEARNING WITH HYBRID PARTICLE SWARM OPTIMIZATION BASED IMAGE ENHANCEMENT TECHNIQUE  
**Date and Time of Viva-Voce Examination** : 28.02.2020 & 2:30-pm  
**Venue** : Seminar Hall  
Department of Electrical and Electronics Engineering  
KSR Institute for Engineering and Technology, Tiruchengode  
637215  
**Name and Address of the Supervisor** : Dr. Kalaavathi B  
Professor  
Department of Computer Science and Engineering  
K.S.R Institute for Engineering and Technology Tiruchengode  
Namakkal - 637 215  
**Name and Address of the Joint Supervisor/Research Co-ordinator** : Not Applicable

All are cordially invited to attend the Ph.D. Public Viva-Voce Examination

**Date** : 30-01-2020

**Place** : KSR Institute for Engineering and Technology, Tiruchengode, 637215


Signature of the Supervisor  
(Name,date and seal)

Signature of the Joint Supervisor /  
Research Co-ordinator  
(Name,date and seal)  
(If applicable)

Signature of the HoD/Director of the Centre of the Supervisor  
(Name,date and seal)

**Copy to :**

- Personal Secretary to Vice Chancellor, Anna University, Chennai - 25.
- Personal Assistant to Registrar, Anna University, Chennai - 25.
- The Controller of Examinations, Anna university, Chennai - 25.
- The Additional Controller of Examinations, Anna university, Chennai - 25.
- The Director, Centre for Research, Anna University, Chennai - 25.
- The Director, Ramanujan Computing Centre, Anna University, Chennai - 25.
- Dean / Director/ Principal of Government, Government Aided and Affiliated Engineering Colleges.
- The Principal, Vivekanandha College of Engineering for Women, Namakkal - 637205
- The Principal, KSR Institute for Engineering and Technology, Tiruchengode - 637215

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



Date: 30-01-2020 12:01:46 | Page: 1 / 1

# Anna University

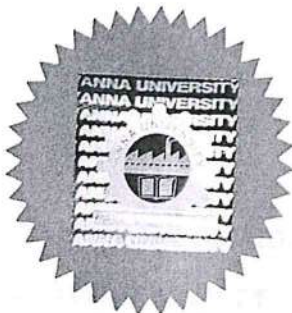


Reg.No. 71160632029/RG

The Syndicate of the Anna University hereby makes known that **MOHANAPRIYA N** 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:*

**CLASSIFICATION OF LUNG TUMOR USING DEEP LEARNING WITH HYBRID PARTICLE SWARM OPTIMIZATION BASED IMAGE ENHANCEMENT TECHNIQUE**



*Given under the Seal of the University*

Chennai 600 025  
India  
March 2021  
RAN014719

  
Controller of Examinations

  
Registrar

  
PRINCIPAL,  
K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
K. S. R. KALVI NAGAR,  
TIRUCHENKURU-613 015,  
NAMAKKAL DISTRICT, TAMIL NADU.  
Vice-Chancellor


**ANNA UNIVERSITY::CHENNAI - 25**

Department of Computer Science and Engineering  
KSR Institute for Engineering and Technology  
Tiruchengode Namakkal - 637 215

**Notification for Ph.D. Public Viva-Voce Examination**

**Name of the Scholar** : Prabu Ragavendiran S D

**Registration Number** : 11130631026

**Degree / Category** : Ph.D. / Part-Time

**Faculty** : Information and Communication

**Title of the Thesis** : CERTAIN INVESTIGATIONS ON STRATEGIES USING FUZZY LOGIC

**Date and Time of Viva-Voce Examination** : 06.03.2020 & 11:00-am

**Venue** : Seminar Hall  
Department of Electrical and Electronics Engineering  
KSR Institute for Engineering and Technology  
637215

**Name and Address of the Supervisor** : Dr. Kalaavathi B  
Professor  
Department of Computer Science and Engineering  
KSR Institute for Engineering and Technology  
Namakkal - 637 215

**Name and Address of the Joint Supervisor/Research Co-ordinator** : Not Applicable

All are cordially invited to attend the Ph.D. Public Viva-Voce Examination

**Date** : 12-02-2020

**Place** : KSR Institute for Engineering and Technology, Tiruchengode, 637215

*[Handwritten Signature]*  
4/2/20

Signature of the Supervisor  
(Name, date and seal)

**PROFESSOR & HEAD**

Dept. of Computer Science & Engineering

**K S R INSTITUTE FOR**

Signature of the Joint Supervisor /  
Research Co-ordinator

(Name, date and seal)

(If applicable)

Signature of the Ho

(N

**Dr. R. J**

Pr

De

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

# Anna University



Reg.No. 11130631026/RG

The Syndicate of the Anna University hereby makes known that PRABU RAGAVENDIRAN S D 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:

CERTAIN INVESTIGATIONS ON CLOUD TRUST COMPUTING STRATEGIES USING FUZZY LOGIC



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 DISTRICT, TAMIL NADU.

Chennai 600 025

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March 2021

Controller of Examinations

Registrar

Vice-Chancellor



**ANNA UNIVERSITY::CHENNAI - 25**  
 Department of Computer Science and Engineering  
 KSR Institute for Engineering and Technology  
 Tiruchengode Namakkal - 637215



Printed Date : 01-09-2020 03:40:20-pm

DH : AR3


Notification for Ph.D. Public Viva-Voce Examination

Name of the Scholar : Umamaheswar A  
 Registration Number : 71160632072  
 Degree / Category : Ph.D. / Part-Time  
 Faculty : Information and Communication Engineering  
 Title of the Thesis : Efficacious framework for the detection of sybil attack in Mobile Ad Hoc Network  
 Date and Time of Viva-Voce Examination : 11.09.2020 & 2:00-pm  
 Venue : Online Mode, Google Meet  
 Department of EEE  
 K S R Institute for Engineering and Technology, Namakkal  
 Tamilnadu-637215  
 Name and Address of the Supervisor : Dr. Kalaavathi B  
 Professor  
 Department of Computer Science and Engineering  
 KSR Institute for Engineering and Technology Tiruchengode  
 Namakkal - 637215  
 Name and Address of the Joint Supervisor/Research Co-ordinator : Not Applicable  
 Online Meeting Details : Google Meet, <https://meet.google.com/mye-sija-txb>

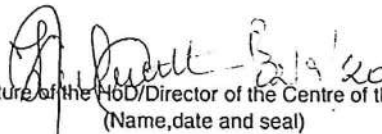
All are cordially invited to attend the Ph.D. Public Viva-Voce Examination

Date : 01-09-2020

Place : K S R Institute for Engineering and Technology, Namakkal, Tamilnadu-637215

  
 Signature of the Supervisor  
 (Name, date and seal)

Signature of the Joint Supervisor /  
 Research Co-ordinator  
 (Name, date and seal)  
 (If applicable)

  
 Signature of the HOD/Director of the Centre of the Supervisor  
 (Name, date and seal)

Dr. B. KALAAVATHI B.E.,M.Tech.,Ph.D.,  
 PROFESSOR & HEAD  
 Dept. of Comput. Science & Engineering,  
 K. S. R. INSTITUTE FOR  
 ENGINEERING & TECHNOLOGY,  
 TIRUCHENGODE - 637 215.

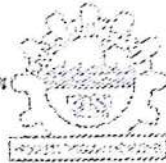
Dr. B. KALAAVATHI B.E.,M.Tech.,Ph.D.,  
 PROFESSOR & HEAD  
 Dept. of Comput. Science & Engineering,  
 K. S. R. INSTITUTE FOR  
 ENGINEERING & TECHNOLOGY,  
 TIRUCHENGODE - 637 215.

- Personal Secretary to Vice-Chancellor, Anna University, Chennai - 25.  
 Personal Assistant to Registrar, Anna University, Chennai - 25.  
 The Controller of Examinations, Anna university, Chennai - 25.  
 The Additional Controller of Examinations, Anna university, Chennai - 25.  
 The Director, Centre for Research, Anna University, Chennai - 25.  
 The Director, Ramanujan Computing Centre, Anna University, Chennai - 25.  
 Dean / Director/ Principal of Government, Government Aided and Affiliated Engineering Colleges.

  
 PRINCIPAL,  
 K. S. R. INSTITUTE FOR  
 ENGINEERING AND TECHNOLOGY,  
 K. S. R. KALVI NAGAR,  
 TIRUCHENGODE - 637 215.  
 Date: 01-09-2020 03:09:20 Page: 1 / 1  
 NAMAKKAL DT, TAMIL NADU.

\*\*\*\*\*

# Anna University



Reg.No. 71160632072/RG

The Syndicate of the Anna University hereby makes known that **UMAMAHESWARI A** 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:

**EFFICACIOUS FRAMEWORK FOR THE DETECTION OF SYBIL ATTACK IN MOBILE AD HOC NETWORK**



Given under the Seal of the University

PRINCIPAL,  
K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY  
K. S. R. HALI NAGAR,  
TIRUCHENUR - 637 215,  
TAMIL NADU.

Chennai 600 025  
India  
March 2021  
KAP/14/11

Controller of Examinations

Registrar

Vice-Chancellor





**ANNA UNIVERSITY::CHENNAI - 25**

Department of Computer Science and Engineering  
KSR Institute for Engineering and Technology  
Tiruchengode Namakkal - 637215



**Notification for Ph.D. Public Viva-Voce Examination**

**Name of the Scholar** : Dhipa M

**Registration Number** : 11210532005

**Degree / Category** : Ph.D. / Part-Time

**Faculty** : Information and Communication Engineering

**Title of the Thesis** : Analysis of Swarm Intelligence based Approaches to Vertical Handoff in Heterogeneous Wireless Networks

**Date and Time of Viva-Voce Examination** : 28.02.2020 & 10:30-am

**Venue** : Seminar Hall  
Department of Electrical and Electronics Engineering  
KSR Institute for Engineering and Technology, Tiruchengode  
637215

**Name and Address of the Supervisor** : Dr. Kalaavathi B  
Professor  
Department of Computer Science and Engineering  
KSR Institute for Engineering and Technology Tiruchengode  
Namakkal - 637215

**Name and Address of the Joint Supervisor/Research Co-ordinator** : Not Applicable

All are cordially invited to attend the Ph.D. Public Viva-Voce Examination

Date : 30-01-2020

Place : KSR Institute for Engineering and Technology, Tiruchengode, 637215

Signature of the Supervisor  
(Name, date and seal)

Dr. B. KALAVATHI, M. Tech., Ph.D.,  
PROFESSOR & HEAD

Dept. of Computer Science & Engineering

Copy to INSTITUTE FOR

Personal Secretary to Vice-Chancellor, Anna University, Chennai - 25.

Personal Assistant to Registrar, Anna University, Chennai - 25.

The Controller of Examinations, Anna university, Chennai - 25.

The Additional Controller of Examinations, Anna university, Chennai - 25.

The Director, Centre for Research, Anna University, Chennai - 25.

The Director, Ramanujan Computing Centre, Anna University, Chennai - 25.

Dean / Director/ Principal of Government, Government Aided and Affiliated Engineering Colleges.

The Principal, SNS College of Technology, Coimbatore - 641035

The Principal, KSR Institute for Engineering and Technology - 637215

Signature of the Joint Supervisor /  
Research Co-ordinator  
(Name, date and seal)  
(If applicable)

Signature of the HoD/Director of the Centre of the Supervisor  
(Name, date and seal)

Dr. R. JEYABHARATH, M.E., Ph.D.,  
Professor & Head,  
Department of EEE.,  
KSR Institute for Engg. & Tech.,  
TIRUCHENGODE-637 215.

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

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# Anna University



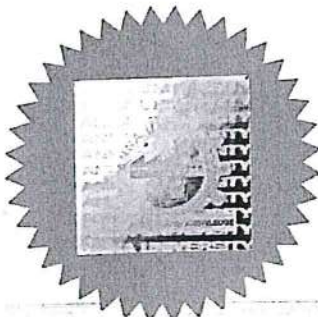
Reg.No. 11210532005/RG

The Syndicate of the Anna University hereby makes known that **DHIPA 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 **2020**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

**ANALYSIS OF SWARM INTELLIGENCE BASED APPROACHES TO VERTICAL HANDOFF IN HETEROGENEOUS WIRELESS NETWORKS**

CONFIRMED



Given under the Seal of the University

Chennai 600 025  
India  
March 2021  
RA9014224

Controller of Examinations

Registrar

PRINCIPAL,  
K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
K. S. R. KALVI NAGAR,  
TIRUCHENGODE - 637 215,  
NAMKAL TALUK, TAMIL NADU.  
Vice-Chancellor

**List of Scholars registered Ph.D., under the guidance of Dr.R.Jeyabharath**

<b>Name of the Ph.D. Scholar</b>	<b>Name of the Department</b>	<b>Title of the thesis</b>	<b>Year of Registration of the scholar</b>	<b>Year of award of Ph.D.,</b>
Dr.C.Rajasekaran	EEE	Investigation on Data Acquisition And Monitoring Using Reconfigurable Embedded Systems	2007	2015
Dr.M.Murugan	EEE	Precision Speed Control and Stability Analysis of Brushless DC Motor Based on Input Shaping Technique	2010	2016
Dr.Ravivarman S	EEE	Performance Analysis of Hybrid DC – DC Converters for Renewable Energy Applications	2011	2017
DrVelmurugan V R	EEE	Harmonic Minimization In Seven Level Cascaded Multilevel Inverter Using Intelligent Techniques	2011	2017
Dr.Saravanan M.S	EEE	Minimization of Total Harmonic Distortions In Cascaded Multilevel Inverter Using PWM Techniques	2011	2017
Dr.T.Srihari	EEE	Performance Analysis of Direct Torque Control Based Switched Reluctance Motor Drive Using Intelligent Systems	2010	2017
Dr.A.Murugesan	EEE	Investigations on Performance of Switched Reluctance Motor Speed Control Using PID, FLS, FT- ANN Controller With Steady State Stability Analysis	2010	2018

Dr.A. Nazar Ali	EEE	Multilevel Inverter for Grid Connected Photovoltaic System By Using PID Controller	2010	2018
Dr.N. Arulmuruga selvi	EEE	Performance Analysis of Content Based Mammogram Image Retrieval Using Machine Learning Approach	2011	2018
Dr.Gnana Vanitha L S	EEE	Certain Investigations on Charging Control of Plug in Hybrid Electric Vehicle	2011	2019
Mr.P.Jeyakumar	EEE	High Performance MAC Unit for Embedded System (Tentative Title)	2018	Pursuing



**Proceedings of the Ph.D. Viva-Voce Examination of Mr./Ms. RAJASEKARAN.C held at 11:00 AM on 28.07.2015 in  
EEE SEMINAR HALL KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY**

The Ph.D. Viva-Voce Examination of Mr./Ms. RAJASEKARAN.C (Reg. No. 7076042144) on his/her-Ph.D. Thesis Entitled " INVESTIGATION ON DATA ACQUISITION AND MONITORING USING RECONFIGURABLE EMBEDDED SYSTEMS " was conducted on 28.07.2015 at 11:00 AM in the EEE SEMINAR HALL KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY.

The following Members of the Oral Examination Board were present:

- |   |                       |
|---|-----------------------|
| 1. Dr. N.Selvaganesan, Associate Professor & Head, Department of Avionics, Indian Institute of Space Science and Technology (IIST), Department of Space Govt. of India Thiruvananthapuram | Indian Examiner       |
| 2. Dr. D.Murali, Assistant Professor, Department of Electrical and Electronics Engineering, Government College of Engineering, Salem 636 011.   | Subject Expert        |
| 3. Dr. Jeyabharath.R, Professor, K S R Institute For Engineering and Technology, Namakkal   | Supervisor & Convenor |

The research scholar, Mr./Ms. RAJASEKARAN.C presented the salient features of his/her Ph.D. work. This was followed by questions from the board members. The questions raised by the Foreign and Indian Examiners were also put to the scholar. The scholar answered the questions to the full satisfaction of the board members.

The corrections suggested by the Indian/Foreign examiner have been carried out and incorporated in the Thesis before the Oral examination.

Based on the scholars research work, his/her presentation and also the clarifications and answers by the scholar to the questions, the board recommends that Mr./Ms. RAJASEKARAN.C be awarded Ph.D. degree in the Faculty of Electrical Engineering.

- |   |                           |
|---|---------------------------|
| 1. <i>N.S.V.</i> [N. SELVAGANESAN]  | Indian Examiner           |
| 2. <i>D.Murali</i> <sup>28/7</sup> <sub>28/7/15</sub> [DR. D. MURALI]   | Subject Expert            |
| 3. <i>J.R.</i> [DR. J. R. JAYABHARATH]  | Supervisor & Convenor     |
| 4. <i>J.R.</i> [DR. R. J. JAYABHARATH]<br>Dr. R. J. JAYABHARATH, M.E., Ph.D.,<br>Professor & Head,<br>Department of EEE,<br>KSR Institute for Engg. & Tech.,<br>TIRUCHENGODE-637 215. | Joint Supervisor (If any) |

**PRINCIPAL,  
K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
TIRUCHENGODE - 637 215,  
NAMAKKAL Dt, TAMIL NADU.**

Date: 27-07-2015 12:07:00 | Page: 2 / 3





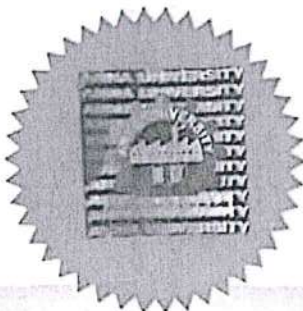
Reg.No. 7076042144/RG

The Syndicate of the Anna University hereby makes known that **RAJASEKARAN C** 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 **2015**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

**INVESTIGATION ON DATA ACQUISITION AND MONITORING USING RECONFIGURABLE EMBEDDED SYSTEMS**

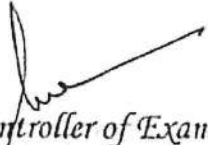
Given under the Seal of the University



PRINCIPAL,  
K. S. R. INSTITUTE FOR  
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K. S. R. KALVI NAGAR,  
TIRUCHENGODE - 637 215,  
NAMAKKAL Dt, TAMIL NADU.



Chennai 600 025  
India  
January 2016

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

**ANNA UNIVERSITY:: CHENNAI - 25**  
**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**  
**KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY**  
**TIRUCHENGODE - 637215**

**Ph.D. Public Viva-Voce Examination**

Name of the Scholar : M.MURUGAN  
Registration Number : 100960421009  
Category of registration : Part-time  
Faculty : Electrical Engineering  
Title of the Thesis : PRECISION SPEED CONTROL AND STABILITY ANALYSIS OF BRUSHLESS DC MOTOR BASED ON INPUT SHAPING TECHNIQUE  
Date and Time of Viva-voce Examination : 14.01.2016 & 11.00 am  
Venue : Seminar Hall  
Anna University Regional Office  
Coimbatore - 641046  
Name and address of the Supervisor : Dr.R.Jeyabharath  
Professor & Head /EEE  
KSR institute for Engineering & Technology  
Tiruchengode -637215

All are cordially invited

Date : 13.01.2016  
Place: Tiruchengode

Signature of the Supervisor

Dr. R. JETABHARATH, M.E., Ph.D.,  
Professor & Head,  
Department of EEE.,  
KSR Institute for Engg. & Tech.,  
TIRUCHENGODE-637 215.

Signature of the HoD/Director of the Centre of the Supervisor

(Name and seal)  
K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
K. S. R. KALVI NAGAR,  
TIRUCHENGODE-637 215,  
NANDARVAL DE, TAMIL NADU.

Copy to

1. The vice chancellor, Anna university , Chennai - 600 025
2. P.S. to vice chancellor, Anna university , Chennai - 600 025
3. The Registrar , Anna university , Chennai - 600 025
4. P.A to Registrar , Anna university , Chennai - 600 025
5. The Director (Research ) Anna university , Chennai - 600 025
6. The Regional Director ( Research) Anna university Coimbatore Campus - 641 047
7. The Controller of Examinations , Anna university , Chennai - 600 025
8. The Director , Academic Course , Anna university , Chennai - 600 025
9. The Dean , CEG, Anna university , Chennai - 600 025
10. Principals of all Govt. aided and all affiliated engineering Colleges under Anna university, Chennai with a request to display in the notice board

  
**PRINCIPAL,**  
**K. S. R. INSTITUTE FOR**  
**ENGINEERING AND TECHNOLOGY,**  
**K. S. R. KALVI NAGAR,**  
**TIRUCHENGODE - 637 215,**  
**NANDARVAL DE, TAMIL NADU.**



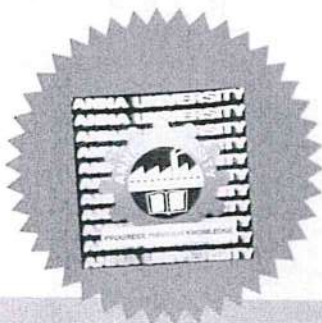
Reg.No. 100960421009/RG

The Syndicate of the Anna University hereby makes known that MURUGAN M 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 2016. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

PRECISION SPEED CONTROL AND STABILITY ANALYSIS OF BRUSHLESS DC MOTOR BASED ON INPUT SHAPING TECHNIQUE

Given under the Seal of the University



PINCIPAL, K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY, K. S. R. HALI NAGAR, TIRUCHENGODI - 627 215, NAMAKKAL Dt, TAMIL NADU.

Chennai 600 025  
India  
January 2016

Controller of Examinations

Registrar

Vice-Chancellor





# CENTRE FOR RESEARCH

ANNA UNIVERSITY, CHENNAI-600 025



Proceedings of the Ph.D. Viva-Voce Examination of Mr.Ravivarman.S held at 11:30 AM on 03.03.2017 in EEE seminar Hall KSR Institute for engineering and technology Tiruchengode - 637215

The Ph.D. Viva-Voce Examination of Mr.Ravivarman.S (Reg. No. 11160431024) on his/~~her~~ Ph.D. Thesis Entitled " PERFORMANCE ANALYSIS OF HYBRID DC-DC CONVERTERS FOR RENEWABLE ENERGY APPLICATIONS " was conducted on 03.03.2017 at 11:30 AM in the EEE seminar Hall KSR Institute for engineering and technology Tiruchengode - 637215.

The following Members of the Oral Examination Board were present:

- |  |                       |
|--|-----------------------|
| 1. Dr. N.Selvaganesan,Associate Professor,Department of Avionics,Indian Institute of Space Science & Tecnology,Thiruvanthapuram 695547 Kerala        | Indian Examiner       |
| 2. Dr. D.Murali,Assistant Professor(Sr.Gr),Department of Electrical and Electronics Engineering,Government College of Engineering Salem,Salem 636011 | Subject Expert        |
| 3. Dr. Jeyabharath.R,Professor, Department of Electrical & Electronic Engineering, KSR Institute of Technology,Namakkal                              | Supervisor & Convenor |

The research scholar, Mr. Ravivarman.S presented the salient features of his/~~her~~ Ph.D. work. This was followed by questions from the board members. The questions raised by the Foreign and Indian Examiners were also put to the scholar. The scholar answered the questions to the full satisfaction of the board members.

The corrections suggested by the Indian/Foreign examiner have been carried out and incorporated in the Thesis before the Oral examination.

Based on the scholars research work, his/her presentation and also the clarifications and answers by the scholar to the questions, the board recommends that Mr.Ravivarman.S be awarded Ph.D. degree in the Faculty of Electrical Engineering.

*N. S. Selvaganesan*  
3/3/17  
Indian Examiner

*D. Murali*  
3/3/17  
Subject Expert

*Jeyabharath R*  
3.3.17  
Supervisor & Convenor

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

# Anna University



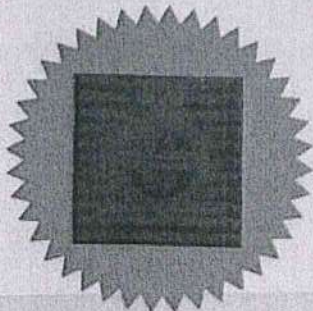
Reg.No. 11160431024/RG

The Syndicate of the Anna University hereby makes known that **RAVIVARMAN 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 **2017**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

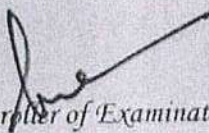
Title of the Thesis:

**PERFORMANCE ANALYSIS OF HYBRID DC-DC CONVERTERS FOR RENEWABLE ENERGY APPLICATIONS**

Given under the Seal of the University



Chennai 600 025  
India  
May 2017  
KAR021121

  
Controller of Examinations  
RAVIVARMAN S

  
Registrar

  
PRINCIPAL,  
K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
K. S. R. KALVH NAGAR,  
TIRUPHIGOLE - 67 215,  
NAMAKKAL DISTRICT, TAMIL NADU.  
Chairman, Convener Committee  
Vice-Chancellor



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY, CHENNAI-600 025



Proceedings of the Ph.D. Viva-Voce Examination of Mr.Velmurugan,V.R held at 2:30 PM on 31.03.2017 in EEE Seminar Hall , KSR Institute for Engineering and Technology,Tiruchengode

The Ph.D. Viva-Voce Examination of Mr.Velmurugan.V.R (Reg. No. 20117401049) on his/her Ph.D. Thesis Entitled " HARMONIC MINIMIZATION IN SEVEN LEVEL CASCADED MULTILEVEL INVERTER USING INTELLIGENT TECHNIQUES " was conducted on 31.03.2017 at 2:30 PM in the EEE Seminar Hall , KSR Institute for Engineering and Technology,Tiruchengode.

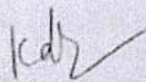
The following Members of the Oral Examination Board were present:

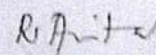
- |  |                       |
|--|-----------------------|
| 1. Dr. K Ravindra,Assistant Professor,Department of Electrical & Electronics Engineering,Jawaharlal Nehru Technological University Kakinada,Kakinada Andhra Pradesh - 533 003. | Indian Examiner       |
| 2. Dr. R Anita,Professor & Head,Department of Electrical & Electronics Engineering,Institute of Road and Transport Technology (IRTT),Near Vasavi College PO Erode - 638 316.   | Subject Expert        |
| 3. Dr. Jeyabharath.R,Professor, Department of Electrical and Electronics Engineering, K.S.R.Institute for Engineering and Technology,Erode                                     | Supervisor & Convenor |

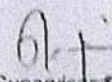
The research scholar, Mr. Velmurugan,V.R presented the salient features of his/her Ph.D. work. This was followed by questions from the board members. The questions raised by the Foreign and Indian Examiners were also put to the scholar. The scholar answered the questions to the full satisfaction of the board members.


The corrections suggested by the Indian/Foreign examiner have been carried out and incorporated in the Thesis before the Oral examination.

Based on the scholars research work, his/her presentation and also the clarifications and answers by the scholar to the questions, the board recommends that Mr.Velmurugan,V.R be awarded Ph.D. degree in the Faculty of Information and Communication Engineering.

  
Indian Examiner

  
Subject Expert

  
Supervisor & Convenor  
Dr. R. JEYABHARATH, M.E.,P.H.D.  
Professor & Head,  
Department of EEE,  
KSR Institute for Engg. & Tech.,  
TIRUCHENGODE-637 215.

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

# Anna University



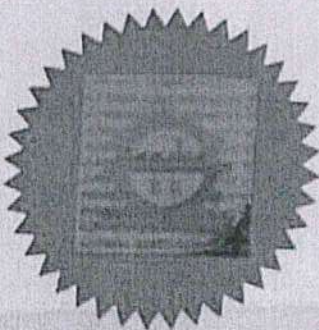
Reg.No. 20117401049/RG

The Syndicate of the Anna University hereby makes known that **VELMURUGAN V 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".

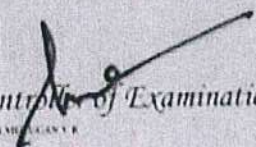
Title of the Thesis:


**HARMONIC MINIMIZATION IN SEVEN LEVEL CASCADED MULTILEVEL INVERTER USING INTELLIGENT TECHNIQUES**

Given under the Seal of the University



Chennai 600 025  
India  
May 2017

  
Control of Examinations  
VELMURUGAN V R

  
Registrar

  
PRINCIPAL,  
K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
K. S. R. NAGAR,  
TIRUCHENGODE - 617 215,  
NAMAKKAL DISTRICT, TAMIL NADU.

  
Chairman, Convener Committee  
Vice-Chancellor

**ANNA UNIVERSITY:: CHENNAI - 25**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY**  
**TIRUCHENGODE**

**Ph.D. Public Viva-Voce Examination**

Name of the Scholar	:	M.S.Saravanan
Registration Number	:	11110431029
Category of registration	:	Part-time
Faculty	:	Electrical Engineering
Title of the Thesis	:	MINIMIZATION OF TOTAL HARMONIC DISTORTIONS IN CASCADED MULTILEVEL INVERTER USING PWM TECHNIQUES
Date and Time of Viva-voce Examination	:	21.04.2017 & 2.30PM
Venue	:	Seminar Hall KSR Institute for engineering and Technology Tiruchengode 637215
Name and address of the Supervisor	:	Dr.R.Jeyabharath Professor & Head/EEE KSR Institute for engineering and Technology Tiruchengode 637215

All are cordially invited

Date : 11.04.2017  
 Place : Tiruchengode

Signature of the Supervisor

Dr. R. JEYABHARATH, M.E., Ph.D.

Copy to

1. The Vice-Chancellor, Anna University, Chennai - 600 025
2. The Director, Department of EEE, Anna University, Chennai - 600 025.
3. The Director (Research), Anna University, Chennai - 600 025.
4. The Director (Academic), Anna University, Chennai - 600 025.
5. The Regional Director Research, Anna University Coimbatore, Coimbatore-641 046.
6. The Controller of Examinations, Anna University, Chennai - 600 025.
7. The Director (Academic Courses), Anna University, Chennai - 600 025.
8. The Dean, CEG, Anna University, Chennai - 600 025.
9. The Doctoral Committee Members of Research Scholars
10. The Principal of KSR Institute for Engineering and Technology, Tiruchengode.
11. The Principal of Mahendra College of Engineering, Salem.
12. The Principals of Govt., Govt. aided, Affiliated Engineering Colleges under Anna University Chennai with a request to display in the notice board.

Signature of the HoD/Director of the Centre of the Supervisor

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

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

# Anna University



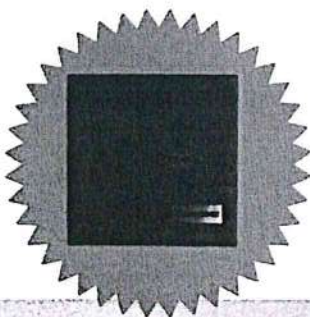
Reg.No. 11110431029/RG

The Syndicate of the Anna University hereby makes known that **SARAVANAN M 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 **2017**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

*Title of the Thesis:*

**MINIMIZATION OF TOTAL HARMONIC DISTORTIONS IN CASCADED MULTILEVEL INVERTER USING PWM TECHNIQUES**

*Given under the Seal of the University*




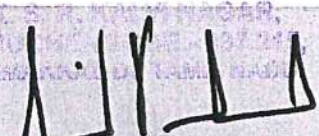
PRINCIPAL,  
K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,

K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
TIRUPATI, AP-517 019

Chennai 600 025  
India  
May 2017  
RANP/12/17

  
Controllor of Examinations  
SARAVANAN M S

  
Registrar

  
Chairman, Convener Committee  
Vice-Chancellor

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY  
TIRUCHENGODE-637 215

Ph.D. Public Viva-Voce Examination

Name of the Scholar : T.SRIHARI  
Registration Number : 100960421022  
Category of registration : Part-time  
Faculty : Electrical Engineering  
Title of the Thesis : Performance Analysis of Direct Torque Control  
Based Switched Reluctance Motor Drive Using  
Intelligent Systems  
Date and Time of Viva-voce Examination : 08/11/2017 and 10.00 am  
Venue : K S R Institute for Engineering and  
Technology, Tiruchengode-637 215  
Name and address of the Supervisor : Dr.R.Jeyabharath  
Professor & Head/EEE  
K S R Institute for Engineering and  
Technology, Tiruchengode-637215  
Name and address of the Joint Supervisor : NA  
(if applicable)

All are cordially invited

Date 26/10/17  
Place: Tiruchengode

Signature of the Supervisor

Dr. R. JEYABHARATH, M.E., Ph.D.,  
Professor & Head,  
Department of EEE.,

Signature of the HoD/Director of the Centre of the Supervisor

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

Copy to:

1. K S R Institute for Engg. & Tech., Anna University, Chennai - 600 025
2. TIRUCHENGODE-637 215, Anna University, Chennai - 600 025
3. The Controller of Examinations, Anna University, Chennai - 600 025
4. The Director (Research), Anna University, Chennai - 600 025
5. The Director (Academic Courses), Anna University, Chennai - 600 025
6. The Director (Planning and Development), Anna University, Chennai - 600 025
7. The Dean, CEG, Guindy, Anna University, Chennai - 600 025
8. The Dean, MIT Campus, Anna University, Chennai - 600 025
9. The Regional Director (Research), Regional Office-Coimbatore Region, Anna university,  
Coimbatore-641 047
10. The Doctoral Committee Members of the research scholar.
11. Principals of All Govt., Aided and Affiliated Engineering Colleges under Anna University,  
Chennai, with a request to display in the Notice Board.
12. Principal, K S R Institute for Engineering and Technology, Namakkal
13. The Candidate.

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

# Anna University



Reg.No.100960421022/RG

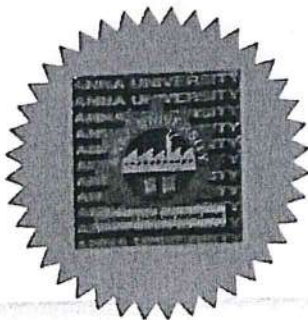


The Syndicate of the Anna University hereby makes known that **SRIHARI T** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the Faculty of Electrical Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2017. The degree has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

Given under the seal of the University



Chennai 600025  
India  
June 2018  
PA/REG/2018

  
Controller of Examinations  
SRIHARI T

  
Registrar

  
PRINCIPAL,  
K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
K. S. R. HALL, COIMBATORE.  
  
Vice-Chancellor  
K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY



ANNA UNIVERSITY:: CHENNAI - 25  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY  
TIRUCHENGODE-637 215

Ph.D. Public Viva-Voce Examination

Name of the Scholar : A. Murugesan  
Registration Number : 100960421011  
Category of registration : Part-time  
Faculty : Electrical Engineering  
Title of the Thesis : Investigations on Performance of Switch  
Reluctance Motor Speed Control using PID, F  
FT-ANN Controller with Steady State Stabil  
Analysis  
Date and Time of Viva-voce Examination : 17/08/2018 and 02.30 pm  
Venue : K S R Institute for Engineering and  
Technology, Tiruchengode-637 215  
Name and address of the Supervisor : Dr.R.Jeyabharath  
Professor & Head/EEE  
K S R Institute for Engineering and  
Technology, Tiruchengode-637215  
Name and address of the Joint Supervisor : NA  
(if applicable)

All are cordially invited

Date 06/08/2018  
Place: Tiruchengode

Signature of the Supervisor

Dr. R. JEYABHARATH, B.E., Ph.D.

Professor & Head,  
Department of EEE.,

KSR Institute for Engg. & Tech.,  
TIRUCHENGODE-637 215.

Signature of the HoD/Director of the Centre of the Supervisor

Dr. R. JEYABHARATH, B.E., Ph.D.

Professor & Head,  
Department of EEE.,

KSR Institute for Engg. & Tech.,  
TIRUCHENGODE-637 215.

COPY FOR

1. P.S. to Vice Chancellor, Anna University, Chennai - 600 025
2. P.A. to Registrar, Anna University, Chennai - 600 025
3. The Controller of Examinations, Anna University, Chennai - 600 025
4. The Director (Research), Anna University, Chennai - 600 025
5. The Director (Academic Courses), Anna University, Chennai - 600 025
6. The Director (Planning and Development), Anna University, Chennai - 600 025
7. The Dean, CEG, Guindy, Anna University, Chennai - 600 025
8. The Dean, MIT Campus, Anna University, Chennai - 600 025
9. The Regional Director (Research), Regional Office-Coimbatore Region, Anna University,  
Coimbatore-641 047
10. The Doctoral Committee Members of the research scholar.
11. Principals of All Govt., Aided and Affiliated Engineering Colleges in Chennai, with a request to display in the Notice Board.
12. Principal, K S R Institute for Engineering and Technology, Namakkal

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

# Anna University



Reg.No.100960421011/RG

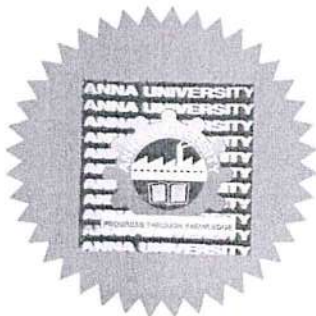


The Syndicate of the Anna University hereby makes known that **MURUGESAN A** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the Faculty of Electrical Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year **2018**. The degree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


*Title of the Thesis:*

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

*Given under the seal of the University*



Chennai 600025  
India  
December 2018  
PAR012197

  
Controller of Examinations  
MURUGESAN A

  
Registrar

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

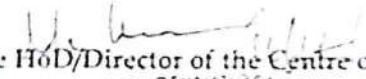
ANNA UNIVERSITY: CHENNAI - 25  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING,  
K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY  
TIRUCHENGODE-637 215

Ph.D. Public Viva-Voce Examination


Name of the Scholar	:	A.Nazar Ali
Registration Number	:	71060421022
Category of registration	:	Part-time
Faculty	:	Electrical Engineering
Title of the Thesis	:	Performance Analysis Of Different Dual Z-Source Inverter Fed Induction Motor Drive
Date and Time of Viva-voce Examination	:	20/12/2017 and 11.00 am
Venue	:	K S R Institute for Engineering and Technology, Tiruchengode-637 215
Name and address of the Supervisor	:	Dr.R.Jeyabharath Professor & Head/EEE K S R Institute for Engineering and Technology, Tiruchengode-637215
Name and address of the Joint Supervisor (if applicable)	:	NA

All are cordially invited

Date 11/12/17  
Place: Tiruchengode

Signature of the Supervisor <b>Dr. R. JEYABHARATH, M.E., Ph.D.,</b> Professor & Head, Department of EEE,	Signature of the HoD/Director of the Centre of the Supervisor  (Name in Stamp) K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY K. S. R. KALVI NAGAR TIRUCHENGODE - 637 215
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- Copy to:
1. KSR Institute for Engineering and Technology, Anna University, Chennai - 600 025
  2. P.A. to Registrar, Anna University, Chennai - 600 025
  3. The Controller of Examinations, Anna University, Chennai - 600 025
  4. The Director (Research), Anna University, Chennai - 600 025
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  6. The Director(Planning and Development), Anna University, Chennai - 600 025
  7. The Dean , CEG, Guindy , Anna University, Chennai - 600 025
  8. The Dean , MIT Campus, Anna University, Chennai - 600 025
  9. The Regional Director (Research),Regional Office-Coimbatore Region, Anna university,  
Coimbatore-641 047
  10. The Doctoral Committee Members of the research scholar.
  11. Principals of All Govt. Aided and Affiliated Engineering Colleges under Anna University  
Chennai, with a request to display in the Notice Board
  12. Principal, K S R Institute for Engineering and Technology, Namakkal
  13. The Candidate

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

# Anna University



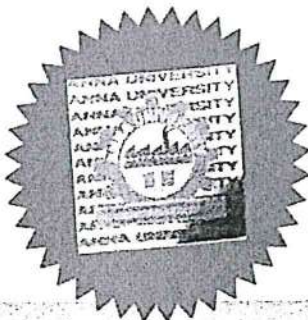
Reg.No.71060421022/RG

The Syndicate of the Anna University hereby makes known that NAZAR ALI 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 2017. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

**PERFORMANCE ANALYSIS OF DIFFERENT DUAL Z-SOURCE INVERTER FED INDUCTION MOTOR DRIVE**

Given under the seal of the University



Chennai 600025  
India  
June 2018

Controller of Examinations  
NAZAR ALI A

Registrar

PRINCIPAL,  
K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
K. S. R. KALVI NAGAR,  
TIRUCHENGODE - 637 215,  
NAMAKKAL DISTRICT, TAMIL NADU.  
M. K. Senthil  
Vice-Chancellor

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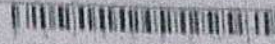


Dr. K.P. JAVA  
DIRECTOR

CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone: +91 44 2355 7500/2355 4361  
Fax: +91 44 2355 1313  
Email: [director@annauniv.edu](mailto:director@annauniv.edu)  
[director@ksercet.com](mailto:director@ksercet.com)



Date: 10/08/2019

Proceedings No: 2011130144/Ph.D/JAR3

Sub: Ph.D. Programme - Constitution of Oral Examination Board - Conduct of Viva-Voce in respect of  
**Ms. I. S. Gnana Vanitha** - orders issued - Regarding

The Vice-Chancellor is pleased to constitute an Oral Examination Board consisting of the following experts to conduct the viva-voce Examination in respect of the research scholar **Ms. I. S. Gnana Vanitha**.

- |  |                   |
|--|-------------------|
| <p>1 <b>Dr.R.Jeyabharath</b><br/>Professor<br/>Department of Electrical and Electronics Engineering<br/>KSR Institute for Engineering &amp; Technology Tiruchencode<br/>Erode 637215</p> | <p>Supervisor</p> |
| <p>2 <b>Dr.C Christober Asir Rajan</b><br/>Professor<br/>Department of Electrical and Electronics Engineering<br/>Pondicherry Engineering College<br/>Puducherry - 605 014.</p>          | <p>Member</p>     |
| <p>3 <b>Dr.N. Selvaganesan</b><br/>Associate Professor and Head<br/>Department of Avionics<br/>Indian Institute of Space Science and Technology<br/>Thiruvananthapuram Kerala-695547</p> | <p>Member</p>     |

The Convener of the Oral examination Board is requested to conduct the Oral examination **within three months** from the date of this office proceedings on a convenient date **except Saturday, Sunday and public holidays**. The Oral Examination for the above scholar shall be conducted as an "Open Defence Type". The outside members are eligible for TA/DA as per Anna University norms and all the **travel bookings shall be made three weeks prior to the date of Oral examination**.

The convener shall conduct the Oral Examination after a minimum of Three weeks from the date of Viva-Voce notification signed by the HoD/Director of Centre. The Viva-voce notification shall be sent to the undersigned three weeks prior to the Oral examination date. A minimum of ten members excluding the examiners should attend the Viva-Voce examination.

A copy of the Viva-Voce notification and the minutes of the Oral Examination Board shall be sent to the undersigned as per the format specified in the Anna University website soon after the Viva-Voce is over for taking appropriate action. **Download Viva-Voce proceedings from Supervisor Login.**  
The receipt of the proceedings may please be acknowledged.

To  
Dr R. Jeyabharath  
Professor  
Department of Electrical and Electronics Engineering  
KSR Institute for Engineering & Technology, Tiruchencode  
Erode 637215

*Jayell*  
10/8/19 2/4  
DIRECTOR  
*10-8-19*

PRINCIPAL,  
K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
NAMAKKAL, TAMIL NADU,  
TIRUCHENCODE - 637 215,

# Anna University



Reg. No. 2011130144/RG

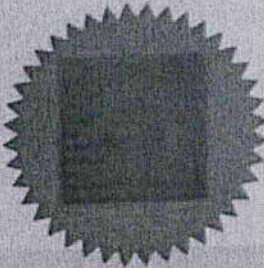


The Syndicate of the Anna University hereby makes known that **GNANA VANITHA L S** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the Faculty of Electrical Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year **2019**. The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

*Title of the Thesis:*

**CERTAIN INVESTIGATIONS ON CHARGING CONTROL OF PLUG IN HYBRID ELECTRIC VEHICLE**

*Given under the seal of the University*



Chennai 600025  
India  
December 2019

*G. J. J.*  
Controller of Examinations

*[Signature]*  
Registrar

*M. K. S. S.*  
Vice-Chancellor

PRINCIPAL,  
K. S. R. INSTITUTE FOR  
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K. S. R. KALVI NAGAR,  
TIRUCHENGODE - 637 215,  
NAMAKKAL Dt, TAMIL NADU.



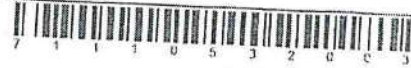
Dr. R. JAYAVEL  
DIRECTOR

# 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



Proceedings. No. 71110532003/Ph.D./AR7

Date : 13.12.2017

Sub : Ph.D. Programme – Constitution of Oral Examination Board - Conduct of Viva-Voce in respect of  
**Ms.N.Arulmurugaselvi** – orders issued – Regarding.

The Vice-Chancellor is pleased to constitute an Oral Examination Board consisting of the following experts to conduct the viva-voce Examination in respect of the research scholar, **Ms.N.Arulmurugaselvi**.

- |   |  |                     |
|---|--|---------------------|
| 1 | <b>Dr.R.Jeyabharath</b><br>Professor<br>Department of Electrical and Electronics Engineering<br>K S R.Institute for Engineering and Technology, Tiruchengode     | Supervisor/Convener |
| 2 | <b>Dr.S.Moorthi</b><br>Assistant Professor<br>Department of Electrical and Electronics Engineering<br>National Institute of Technology<br>Tiruchirappalli 620015 | Member              |
| 3 | <b>Dr.D Murali</b><br>Assistant Professor<br>Department of Electrical and Electronics Engineering<br>Government College Of Engineering<br>Salem- 636011          | Member              |

The Convener of the Oral examination Board is requested to conduct the Oral examination within three months on a convenient date **except Saturday, Sunday and public holidays**. The Oral Examination for the above scholar shall be conducted as an "Open Defence Type". The outside members are eligible for TADA as per Anna University norms.

The convener shall conduct the Oral Examination after a minimum of one week from the date of Viva-Voce notification signed by the HoD/Director of Centre. A minimum of ten members excluding the examiners should attend the Viva-Voce examination.

A copy of the Viva-Voce notification and the minutes of the Oral Examination Board shall be sent to the undersigned as per the format specified in the Anna University website soon after the Viva-Voce is over for taking appropriate action. **Download Viva-Voce proceedings from Supervisor Login.**

The receipt of the proceedings may please be acknowledged.

To  
Dr.R. Jeyabharath  
Professor  
Department of Electrical and Electronics Engineering  
K S R.Institute for Engineering and Technology,, Tiruchengode

*R. Jayavel*  
13/12/17  
DIRECTOR

*P. S. S.*  
13/12/17

*[Handwritten signature]*

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



Reg.No.71110532003/RG

The Syndicate of the Anna University hereby makes known that ARULMURUGASELVI N 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:

**PERFORMANCE ANALYSIS OF CONTENT BASED MAMMOGRAM IMAGE RETRIEVAL USING MACHINE LEARNING APPROACH**



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 600025  
India  
June 2018  
PA/B0163432

Controller of Examinations  
ARULMURUGASELVI N

Registrar

Vice-Chancellor  
CHENNAI CAMPUS



**List of Scholars registered Ph.D., under the guidance of Dr.P.Veena**

<b>Name of the Ph.D. Scholar</b>	<b>Name of the Department</b>	<b>Title of the thesis</b>	<b>Year of Registration of the scholar</b>	<b>Year of award of Ph.D.,</b>
Dr.V.Indra Gandhi	EEE	Analysis and Modeling of Multiport DC- DC Boost Converter For Hybrid Power Generation System	2010	2015
Dr.P.Manoj Kumar	EEE	Control and Automation of Automobile System	2012	2019



# CENTRE FOR RESEARCH

ANNA UNIVERSITY, CHENNAI-600 025



Proceedings of the Ph.D. Viva-Voce Examination of Mr. Manojkumar.P held at 10:30 AM on 18.10.2019 in EEE Seminar Hall , KSR Institute for Engineering and Technology

The Ph.D. Viva-Voce Examination of Mr. Manojkumar.P (Reg. No. 11260431031) on his/her Ph.D. Thesis Entitled " Development of Real time Electronic Control Unit with black box for fuel saving in automobiles " was conducted on 18.10.2019 at 10:30 AM in the EEE Seminar Hall , KSR Institute for Engineering and Technology.

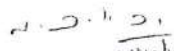
The following Members of the Oral Examination Board were present:

1. Dr. N Selvaganesan, Associate Professor, Department of Avionics , Indian Institute of Space Science and Technology, Thiruvananthapuram 695 547 Indian Examiner
2. Dr. S Thangavel, Associate Professor and Head, Department of Electrical and Electronics Engineering, National Institute of Technology Puducherry, Karaikal 609609 Subject Expert
3. Dr. Veena.P, Professor, Department of Electrical and Electronics Engineering, KSR Institute for Engineering and Technology, Namakkal Supervisor

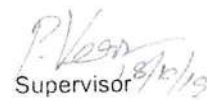
The research scholar, Mr. Manojkumar.P presented the salient features of his/her Ph.D. work. This was followed by questions from the board members. The questions raised by the Foreign and Indian Examiners were also put to the scholar. The scholar answered the questions to the full satisfaction of the board members.


The corrections suggested by the Indian/Foreign examiner have been carried out and incorporated in the Thesis before the Oral examination.

Based on the scholar's research work, his/her presentation and also the clarifications and answers by the scholar to the questions, the board recommends that Mr. Manojkumar.P be awarded Ph.D. degree in the Faculty of Electrical Engineering.

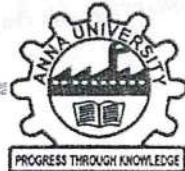
  
Indian Examiner

  
Subject Expert

  
Supervisor  
Dr. P. VEENA, M.E., Ph.D.,  
Professor,  
Department of EEE.,  
KSR Institute for Engg. & Tech.,  
TIRUCHENGODE-637 215.

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

# Anna University



Reg.No.11260431031/RG

The Syndicate of the Anna University hereby makes known that **MANOJKUMAR 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 **2019**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

**DEVELOPMENT OF REAL TIME ELECTRONIC CONTROL UNIT WITH BLACK BOX FOR FUEL SAVING IN AUTOMOBILES**

Given under the seal of the University



Chennai 600025  
India  
December 2019  
QAR01106

  
Controller of Examinations  
MANOJKUMAR P

  
Registrar

  
PRINCIPAL,  
K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
K. S. R. KALVI NAGAR,  
TRUTHENGOODE - 607 215,  
NANNAYALUR, MADHURAI DISTRICT,  
TAMIL NADU  
M. K. S. R. I. E. T.  
Vice-Chancellor



ANNA UNIVERSITY, CHENNAI - 600 025  
CENTRE FOR RESEARCH



Proceedings of the Ph.D. Viva-Voce Examination of Mr./Ms. Indra Gandhi V held at 11.00 AM on 16.07.2015 in K. S. R. Institute for Engineering and Technology, Tiruchengode, Namakkal District-637215

The Ph.D. Viva-Voce Examination of Mr./Ms. Indra Gandhi V (Reg. No. 71060422012) on his/her Ph.D. Thesis Entitled "ANALYSIS AND MODELING OF MULTI-PORT DC-DC BOOST CONVERTER FOR HYBRID POWER GENERATION SYSTEM" was conducted on 16.07.2015 at 11.00 AM in the K. S. R. Institute for Engineering and Technology, Tiruchengode, Namakkal District-637215.

The following Members of the Oral Examination Board were present


- |   |                       |
|---|-----------------------|
| 1. Dr. N Selvaganesan, Associate Professor & Head, Department of Avionics, Indian Institute of Space Science & Technology, Thiruvananthapuram | Indian Examiner       |
| 2. Dr. R. Rajeswari, Associate Professor, Department of Electrical and Electronics Engineering, Government College of Technology, Coimbatore  | Subject Expert        |
| 3. Dr. Veena, P, Professor, K. S. R. Institute for Engineering and Technology, Namakkal   | Supervisor & Convenor |

The research scholar, Mr./Ms. Indra Gandhi V presented the salient features of his/her Ph.D. work. This was followed by questions from the board members. The questions raised by the Foreign and Indian Examiners were also put to the scholar. The scholar answered the questions to the full satisfaction of the board members.

The corrections suggested by the Indian/Foreign examiner have been carried out and incorporated in the Thesis before the Oral examination.

Based on the scholars research work, his/her presentation and also the clarifications and answers by the scholar to the questions, the board recommends that Mr./Ms. Indra Gandhi V be awarded Ph.D. degree in the Faculty of Electrical Engineering.

- |                     |                           |
|---------------------|---------------------------|
| 1. N SELVAGANESAN   | Indian Examiner           |
| 2. Dr. R. Rajeswari | Subject Expert            |
| 3. Dr. P. VEENA     | Supervisor & Convenor     |
| 4.                  | Joint Supervisor (If any) |

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

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Reg.No. 71060422012/RG

The Syndicate of the Anna University hereby makes known that **INDRAGANDHI V** 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 **2015**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:


**ANALYSIS AND MODELING OF MULTI-PORT DC-DC BOOST CONVERTER FOR HYBRID POWER GENERATION SYSTEM**

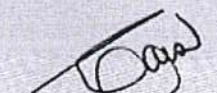
Given under the Seal of the University



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

Chennai 600 025  
India  
January 2016

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

**List of Scholars registered Ph.D., under the guidance of Dr. P.Meenakshi Devi**

<b>Name of the Ph.D. Scholar</b>	<b>Name of the Department</b>	<b>Title of the thesis</b>	<b>Year of Registration of the scholar</b>	<b>Year of award of Ph.D.,</b>
Dr.A.V.Santhosh babu	Information Technology	Performance Analysis of Clustering with Gene and Swarm Optimization Techniques for Multiple Intrusion Detection And Responsiveness In MANET	2011	2018
Dr.M.Dhurgadevi	Information Technology	Improving the Energy Efficiency of Wireless Sensor Network through Wireless Energy Transfer	2012	2019

**ANNA UNIVERSITY, CHENNAI - 25**  
**Department of Information Technology**  
**K S R Institute for Engineering and Technology**  
**Tiruchengode - 637209**

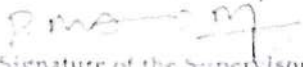
**Ph.D. Public Viva-Voce Examination**

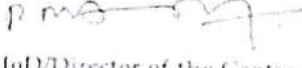
Name of the Scholar : A.V.SANTHOSH BABU  
Registration Number : 11260631053  
Category of registration : Full-time / Part-time  
Faculty : ICE  
Title of the Thesis : Performance Analysis of Clustering with Gene and Swarm Optimization Techniques for Multiple Intrusion Detection and Responsiveness in MANET  
Date and Time of Viva-voce Examination : 31.08.2018 & 12.00 NOON  
Venue : EEE Seminar Hall, K S R Institute for Engineering and Technology, Tiruchengode - 637209.  
Name and address of the Supervisor : Dr.P.Meenakshi Devi  
Professor & Head,  
Department of Information Technology,  
K S R Institute for Engineering and Technology,  
Tiruchengode - 637209  
Name and address of the Joint Supervisor : NA  
(if applicable)

All are cordially invited

Date : 24.08.2018

Place : Tiruchengode

  
Signature of the Supervisor

  
Signature of the HoD/Director of the Centre of the Supervisor

(Name and seal)

Dr. P. Meenakshi Devi


Department of Information Technology,

K S R Institute for Engineering and Technology,

Tiruchengode - 637209.

Copies to

1. The Vice-Chancellor, Anna University, Chennai
2. P.S.R. Vice-Chancellor, Anna University, Chennai

  
PRINCIPAL,  
K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
K. S. R. KALM DAGAR,  
TIRUCHENGODE - 637 215,  
NAMAKKAL Dt, TAMIL NADU.

# Anna University



Reg.No.11260631053/RG

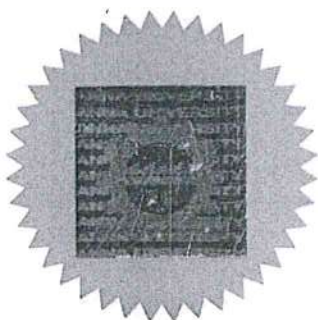


The Syndicate of the Anna University hereby makes known that **SANTHOSH BABU A V** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the Faculty of Information and Communication Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the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


*Title of the Thesis:*

**PERFORMANCE ANALYSIS OF CLUSTERING WITH GENE AND SWARM OPTIMIZATION TECHNIQUES FOR MULTIPLE INTRUSION DETECTION AND RESPONSIVENESS IN MANET**

*Given under the seal of the University*



Chennai 600025  
India  
December 2018  
PABU1802

  
Controller of Examinations  
SANTHOSH BABU A V

  
Registrar

  
PRINCIPAL,  
K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
K. S. P. ROAD,  
TIRUCHI, TAMIL NADU,  
NAMAKKAL DISTRICT.





**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY, CHENNAI-600 025



Proceedings of the Ph.D. Viva-Voce Examination of Mr./Ms.Dhurgadevi.M held at 11:00 AM on 15.04.2019 in SEMINAR HALL,KSRIET

The Ph.D. Viva-Voce Examination of Mr./Ms.Dhurgadevi.M (Reg. No. 11260632009) on his/her Ph.D. Thesis Entitled " IMPROVING THE ENERGY EFFICIENCY OF WIRELESS SENSOR NETWORK THROUGH WIRELESS ENERGY TRANSFER " was conducted on 15.04.2019 at 11:00 AM in the SEMINAR HALL,KSRIET.

The following Members of the Oral Examination Board were present:

- |   |                 |
|---|-----------------|
| 1. Dr. S Jyothi, Professor, Department of Computer Science , Sri Padmavathi Mahila Visvavidyalayam, Tirupati - 517 502            | Indian Examiner |
| 2. Dr. Michael Arock, Professor, Department of Computer Applications, National Institute of Technology, Tiruchirappalli - 620 015 | Subject Expert  |
| 3. Dr. Meemakshi Devi.P, Professor & Head, Department of Information Technology, KSR Institute for Engineering and Technology,    | Supervisor      |

The research scholar, Mr./Ms. Dhurgadevi.M presented the salient features of his/her Ph.D. work. This was followed by questions from the board members. The questions raised by the Foreign and Indian Examiners were also put to the scholar. The scholar answered the questions to the full satisfaction of the board members.

The corrections suggested by the Indian/Foreign examiner have been carried out and incorporated in the Thesis before the Oral examination.

Based on the scholars research work, his/her presentation and also the clarifications and answers by the scholar to the questions, the board recommends that Mr./Ms.Dhurgadevi.M be awarded Ph.D. degree in the Faculty of Information and Communication Engineering.

*S. Jyothi*  
15.4.19  
Indian Examiner

*M. Arock*  
Subject Expert

*P. Meemakshi Devi*  
15/4/19  
Supervisor -

*[Signature]*  
PRINCIPAL,  
K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
K. S. R. KALVI KAGAR,  
TIRUCHENGOODE - 637 215,  
NAMAKKAL DISTRICT, TAMIL NADU.

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Reg.No.11260632009/RC

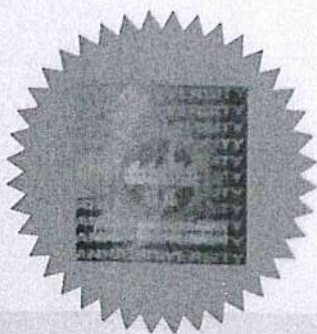


The Syndicate of the Anna University hereby makes known that **DHURGADEVI M** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the **Faculty of Information and Communication Engineering**, having been certified by the duly appointed examiners to be qualified to receive the same in the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

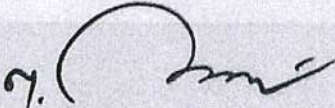
*Title of the Thesis:*

**IMPROVING THE ENERGY EFFICIENCY OF WIRELESS SENSOR NETWORK THROUGH WIRELESS ENERGY TRANSFER**

*Given under the seal of the University*



Chennai 600025  
India  
December 2019

  
Controller of Examinations

  
Registrar

  
PRINCIPAL,  
K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
TIRUPATI, 517 015.  
Vice-Chancellor

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**List of Scholars registered Ph.D., under the guidance of Dr. J.C.Kannan**

<b>Name of the Ph.D. Scholar</b>	<b>Name of the Department</b>	<b>Title of the thesis</b>	<b>Year of Registration of the scholar</b>	<b>Year of award of Ph.D.,</b>
Dr. N. Rajesh	Physics	Microwave Assisted Synthesis and Characterization of SnO <sub>2</sub> , CdO and Sn Doped CdO Nanostructures For Gas Sensor Applications	2010	2015
Dr.P. Malarkodi	Physics	Investigation of Transparent Conducting Oxides	2010	2016
Dr.N. Srinivasan	Physics	Synthesis Characterization and Antimicrobial Investigation of Pure and Some Doped Zinc Oxide Nanoparticles	2010	2016
Dr.A. Sridhar	Physics	Preparation, Characterization of Pure and Metal (Mg, Mn, Ag) Doped ZnO Nanoparticles for Photocatalytic and Antibacterial Activity	2010	2018

ANNA UNIVERSITY:: CHENNAI - 25  
Department of Physics  
KSR Institute for Engineering and Technology  
Tiruchengode - 637 215

Ph.D. Public Viva-Voce Examination

Name of the Scholar : N.RAJESH  
Registration Number : 71070131024  
Category of registration : Part-time  
Faculty : PHYSICS  
Title of the Thesis : MICROWAVE ASSISTED SYNTHESIS AND CHARACTERIZATION OF SnO<sub>2</sub> CdO AND Sn DOPED CdO NANOSTRUCTURES FOR GAS SENSOR APPLICATIONS  
Date and Time of Viva-voce Examination : 28.08.2015 (Friday) & 02.00 PM  
Venue : ECE Seminar Hall, KSR Institute for Engineering and Technology.  
Name and address of the Supervisor : Dr.J.C.KANNAN,  
Prof & HOD,  
Department of Physics,  
KSR Institute for Engineering and Technology,  
Tiruchengode - 637 215.  
Name and address of the Joint Supervisor : -NA-  
(if applicable)

All are cordially invited

Date : 20.08.2015

Place: Tiruchengode

Signature of the Supervisor

Dr. J. C. KANNAN, Ph D.,  
Professor & Head / Physics  
KSR Inst. for Engg & Technology  
Tiruchengode - 637 215

Signature of the HoD/Director of the Centre of the Supervisor

(Name and seal)

Dr. J. C. KANNAN, Ph D.,  
Professor & Head / Physics  
KSR Inst. for Engg & Technology  
Tiruchengode - 637 215

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5. The Director (Research), Anna University, Chennai - 600 025.
6. The Regional Director (Research), Anna University Coimbatore Campus - 638 011
7. The Controller of Examinations, Anna University, Chennai - 600 025.
8. The Director, Academic Courses, Anna University, Chennai - 600 025.
9. The Dean, CEG, Guindy, Anna University, Chennai - 600 025.
10. The DC Members of the Research Scholar.
11. The Principal KSRCE and KSRHET, Tiruchengode.
12. All HoDs, KSRCE and KSRHET Campus, Tiruchengode - with a request to display in the Department notice boards.
13. Principals of all Govt. Aided and all Affiliated Engineering College under Anna University, Chennai with a request to display in the Notice Board.

  
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K. S. R. KALVI NAGAR,  
TIRUCHENGODE - 637 215,  
NAMAKKAL Dt, TAMIL NADU.



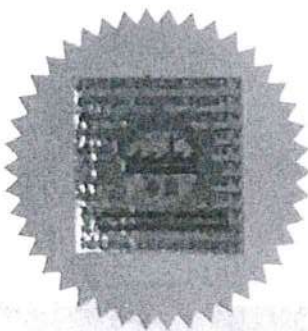
Reg. No: 71070131024/RG

The Syndicate of the Anna University hereby makes known that **RAJESH N** 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:


**MICROWAVE ASSISTED SYNTHESIS AND CHARACTERIZATION OF SnO<sub>2</sub>, CdO AND Sn DOPED CdO NANOSTRUCTURES FOR GAS SENSOR APPLICATIONS**

Given under the Seal of the University



Chennai 600 025  
India  
January 2016

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

PRINCIPAL,  
K. S. R. INSTITUTE FOR  
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K. S. R. KALVITTEGAR,  
TIRUCHENGODE - 627 215,  
NAMAKKAL DISTRICT, TAMIL NADU.

ANNA UNIVERSITY:: CHENNAI - 25  
Department of Physics  
KSR Institute for Engineering and Technology  
Tiruchengode - 637 215

Ph.D. Public Viva-Voce Examination

Name of the Scholar : Mr. N. SRINIVASAN  
Registration Number : 71030121005  
Category of registration : Full-time / Part-time  
Faculty : Science and Humanities [Physics]  
Title of the Thesis : Synthesis Characterization and Antimicrobial  
Investigation of Pure and doped Zinc oxide nanoparticles  
Date and Time of Viva-voce Examination : 16-02-2016 & 2.30 P.M.  
Venue : Seminar Hall  
Name and address of the Supervisor : Dr. J. C. Kannan, Professor & Head, Department of Physics,  
KSR Institute for Engineering and Technology,  
Tiruchengode - 637 215.  
Name and address of the Joint Supervisor : NA  
(if applicable)

All are cordially invited

Date : 05-02-2016  
Place : Tiruchengode

Signature of the Supervisor

Dr. J. C. KANNAN, Ph.D.,  
Professor & Head / Physics  
KSR Inst. for Engg. & Technology  
Tiruchengode - 637 215

Signature of the HoD/Director of the Centre of the Supervisor

(Name and seal)  
Dr. J. C. KANNAN, Ph.D.,  
Professor & Head / Physics  
KSR Inst. for Engg. & Technology  
Tiruchengode - 637 215

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1. The Vice chancellor, Anna University, Chennai-600 025.
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4. P. A. to Registrar, Anna University, Chennai-600 025.
5. The Controller of Examinations, Anna University, Chennai-600 025.
6. The Director (Research), Anna University, Chennai-600 025.
7. The Director (Planning and Development), Anna University, Chennai-600 025.
8. The Director (Academic courses), Anna University, Chennai-600 025.
9. Doctoral committee members of the research scholar.
10. The Principal, Kongu Engineering College, Perundurai-638 052.
11. Principals of all Engineering colleges under Anna University, Chennai (with a request to display in the notice board).

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NAMAKKAL Dt., TAMIL NADU.

# Anna University



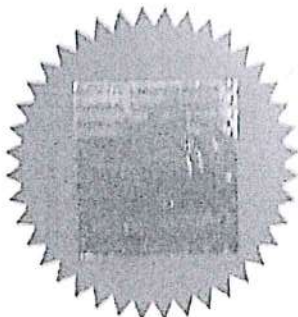
Reg.No. Z10011005/RCI

The Syndicate of the Anna University hereby makes known that **SRINIVASAN N** 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 **2016**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

*Title of the Thesis:*

**SYNTHESIS CHARACTERIZATION AND ANTIMICROBIAL INVESTIGATION OF PURE AND DOPED ZINC OXIDE NANOPARTICLES**

*Given under the Seal of the University*



Chennai 600 025  
India  
May 2017

Controller of Examinations

Registrar

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ENGINEERING AND TECHNOLOGY,  
K. S. R. KAVI NAGAR,  
TIRUCHENGODE - 627 215,  
NAMAGAL DISTRICT, TAMIL NADU.  
Chairman, Convener Committee  
Vice-Chancellor

ANNA UNIVERSITY :: CHENNAI - 25.  
Regional Centre, Anna University  
Coimbatore - 641 046  
Ph.D. Public Viva-Voce Examination

Name of the Scholar : P.MALARKODI  
Registration Number : 100930122012  
Category of registration : Part-time  
Faculty : Science & Humanities  
Title of the Thesis : "Investigation of Transparent Conducting Oxides"  
Date and Time of Viva-voce Examination : 29.12.2016 & 10.00 A.M  
Venue : Seminar Hall, KSR IET,  
Tiruchengode - 637 215  
Name and address of the Supervisor : Dr. J.C. Kannan  
Professor and Head  
Department of Physics  
KSR IET, Tiruchengode.  
vasikanna@gmail.com  
Name and address of the Joint Supervisor : -  
(if applicable)

All are cordially invited

Date : 20.12.2016  
Place : Tiruchengode

J.C. 29/12/16  
Dr. J. C. KANNAN, Ph.D.,  
Professor & Head, Physics  
KSR Inst. for Engg. & Technology  
Tiruchengode - 637 215

Signature of the Supervisor

J.C. 29/12/16  
Dr. J. C. KANNAN, Ph.D.,  
Professor & Head, Physics  
KSR Inst. for Engg. & Technology  
Tiruchengode - 637 215

Signature of the HoD/Director of the Centre of the Supervisor

Copy to:

1. Vice-Chancellor, Anna University, Chennai.
2. The P.S. to Vice-Chancellor, Anna University, Chennai.
3. The Registrar, Anna University, Chennai
4. The Controller of Examinations, Anna university, Chennai
5. The Director, Centre for Research, Anna university, Chennai
6. The Director, Academic Courses, Anna university, Chennai
7. The Regional Director, Centre for Research, Anna university, Coimbatore
8. The Dean, Anna University, Regional centre, Coimbatore.
9. The Dean, College of Engineering, Guindy Campus, Anna University, Chennai
10. The Chairman, Faculty of Science and Humanities, Anna University, Chennai
11. The Principal, KSR Institute for Engineering and Technology, Tiruchengode
12. The Principal, Kongu Engineering Collge, Perundurai.
13. Principals of all Govt. Govt. Aided and all affiliated Engineering Colleges under Anna University, Chennai with a request to display in the Notice Board.
14. Dr. K. Tamilarasan, Professor and head, Department of Physics, Kongu Engineering College, Perundurai.
15. Dr. G. Gobi, Assistant Professor, Govt. Arts College, Salem-7.

PRINCIPAL,  
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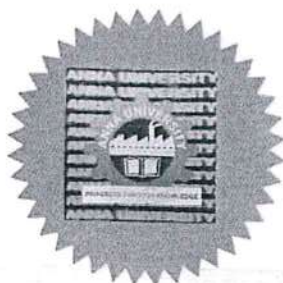
Reg.No. 100930122012/RG

The Syndicate of the Anna University hereby makes known that **MALARKODI P** 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 **2016**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

**INVESTIGATION OF TRANSPARENT CONDUCTING OXIDES**

Given under the Seal of the University



Chennai 600 025

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K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
K. S. R. NAGAR,  
TIRUCHENGURU,  
NAMAKKAL DISTRICT, TAMIL NADU.

ANNA UNIVERSITY: CHENNAI - 25  
 Department of Physics  
 KSR Institute for Engineering and Technology  
 Tiruchengode - 637 215

Ph.D. Public Viva-Voce Examination

Name of the Scholar : Mr. A. SRITHAR  
 Registration Number : 71070121006  
 Category of registration : Part-time  
 Faculty : Science and Humanities [Physics]  
 Title of the Thesis : Preparation, Characterization of Pure and Metal (Mg, Mn, Ag) Doped ZnO nanoparticles for Photocatalytic and Antibacterial Activity  
 Date and Time of Viva-voce Examination : 01. 02. 2018 & 10. 15 AM  
 Venue : ECE Seminar Hall, KSRIET  
 Name and address of the Supervisor : Dr. J. C. Kannan,  
 Professor and Head, Department of Physics,  
 KSR Institute for Engineering and Technology,  
 Tiruchengode - 637 215.  
 Name and address of the Joint Supervisor : NA  
 (If applicable)

All are cordially invited

Date : 19. 01. 2018  
 Place: KSRIET

Signature of the Supervisor

Signature of the HoD/Director of the Centre of the Supervisor

(Name and seal)  
 Dr. J. C. Kannan M.Sc. M.Phil. Ph.D.  
 Professor and Head,  
 Department of Physics,  
 KSR Institute for Engineering and Technology,  
 Tiruchengode - 637 215.

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2. P.A. to Vice Chancellor, Anna University, Chennai - 600 025.
3. The Registrar, Anna University, Chennai - 600 025.
4. P.A. to Registrar, Anna University, Chennai - 600 025.
5. The Controller of Examinations, Anna University, Chennai - 600 025.
6. The Director (Research), Anna University, Chennai - 600 025.
7. The Director (Planning and Development), Anna University, Chennai - 600 025.
8. The Director (Academic Courses), Anna University, Chennai - 600 025.
9. Doctral Committee members of the research Scholar.
10. The Principal, The Kavery Engineering College, Mecheri - 636 453.
11. The Principal, KSR Institute for Engineering and Technology, Tiruchengode - 637 215.
12. Principals of all Engineering Colleges under Anna University, Chennai (With a request to display in the notice board).

PRINCIPAL,  
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 K. S. R. KALMI NAGAR,  
 TIRUCHENGODE - 637 215,  
 DISTRICT OF TAMIL NADU.



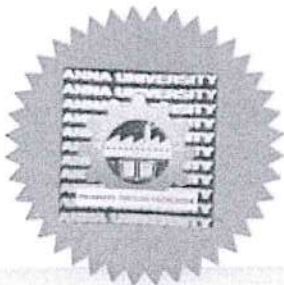
Reg.No.71070121006/RG

The Syndicate of the Anna University hereby makes known that **SRITHAR A** 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 2018. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

PREPARATION, CHARACTERIZATION OF PURE AND METAL (Mg, Mn, Ag) DOPED ZnO NANOPARTICLES FOR PHOTOCATALYTIC AND ANTIBACTERIAL ACTIVITY

Given under the seal of the University



Chennai 600025  
India  
June 2018

*[Signature]*  
Controller of Examinations

*[Signature]*  
Registrar

*[Signature]*  
PRINCIPAL,  
K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
K. S. R. KALVI NAGAR,  
TIRUPATI-517 215,  
NANDYALUR, AP, INDIA.  
Vice-Chancellor