



# **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 Communication /Orders/Notifications Received/Sent to the university**

### **INDEX**

| <b>S.No</b> | <b>Ph.D. Students Name</b> | <b>Registration Number</b> | <b>Guide Name</b> | <b>Page No of Document of registration</b> |
|-------------|----------------------------|----------------------------|-------------------|--|
| 1.          | Mr.Vijender Kumar          | 71160631065                | Dr.M.Venkatesan   | 15   |
| 2.          | Mr.K A Jayabalaji          | 71160631015                | Dr.M.Venkatesan   | 19   |
| 3.          | Mr.M. Sakthivel            | 71160631048                | Dr.M.Venkatesan   | 18   |
| 4.          | Mrs.K.Sumathi              | 71130632068                | Dr.M.Venkatesan   | 21   |
| 5.          | Mr.A.M.Senthil Kumar       | 71110931008                | Dr.M.Venkatesan   | 27   |
| 6.          | Mr.S.Sivaprakash           | 71110931008                | Dr.M.Venkatesan   | 33   |
| 7.          | Mrs.M. VimalaDevi          | 71030622047                | Dr.B.Kaalavathi   | 5  |
| 8.          | Mr.M.I.Thariq Hussain      | 71060621048                | Dr.B.Kaalavathi   | 7  |
| 9.          | Mrs.R.Poongodi             | 71060522020                | Dr.B.Kaalavathi   | 14   |
| 10.         | Mrs.P.S.Gomathi            | 71060422008                | Dr.B.Kaalavathi   | 16   |
| 11.         | Mrs.R.Chitra               | 11160932001                | Dr.B.Kaalavathi   | 17   |
| 12.         | Mrs.S. Selvi               | 11210632040                | Dr.B.Kaalavathi   | 28   |
| 13.         | Mr.P.Selvaraju             | 11130631033                | Dr.B.Kaalavathi   | 30   |
| 14.         | Mr.D.Muthu Sankar          | 11160631022                | Dr.B.Kaalavathi   | 32   |
| 15.         | Mrs.S.Viveka               | 11130932013                | Dr.B.Kaalavathi   | 34   |
| 16.         | Mrs.M.Dhipa                | 11210532005                | Dr.B.Kaalavathi   | 37   |
| 17.         | Mr.S D Prabu Ragavendiran  | 11130631026                | Dr.B.Kaalavathi   | 38   |
| 18.         | Mrs.A. Uma Maheswari       | 71160632072                | Dr.B.Kaalavathi   | 39   |
| 19.         | Mrs.N.Mohana Priya         | 71160632029                | Dr.B.Kaalavathi   | 35   |
| 20.         | Mr.C.Rajasekaran           | 7076042144                 | Dr.R.Jeyabharath  | 3  |
| 21.         | Mrs.V.Indra Gandhi         | 71060422012                | Dr.P.Veena        | 2  |
| 22.         | Mr.M.Murugan               | 100960421009               | Dr.R.Jeyabharath  | 4  |

|     |                         |              |                    |    |
|-----|-------------------------|--------------|--------------------|----|
| 23. | Mr.Ravivarman S         | 11160431024  | Dr.R.Jeyabharath   | 11 |
| 24. | Mr.Velmurugan V R       | 20117401049  | Dr.R.Jeyabharath   | 12 |
| 25. | Mr.Saravanan M.S        | 11110431029  | Dr.R.Jeyabharath   | 13 |
| 26. | Mr.T.Srihari            | 100960421022 | Dr.R.Jeyabharath   | 20 |
| 27. | Mr.A.Murugesan          | 100960421011 | Dr.R.Jeyabharath   | 24 |
| 28. | Mr.A. Nazar Ali         | 71060421022  | Dr.R.Jeyabharath   | 42 |
| 29. | Mrs.N. Arulmuruga selvi | 71110532003  | Dr.R.Jeyabharath   | 22 |
| 30. | Mrs.L.S.Gnana Vanitha   | 2011130144   | Dr.R.Jeyabharath   | 29 |
| 31. | Mr.P.Manoj Kumar        | 11260431031  | Dr.P.Veena         | 31 |
| 32. | Mr.A.V.Santhosh babu    | 11260631053  | Dr.P.MeenakshiDevi | 25 |
| 33. | Mrs.M.Dhurgadevi        | 11260632009  | Dr.P.MeenakshiDevi | 26 |
| 34. | Mrs.P. Malarkodi        | 100930122012 | Dr.J.C.Kannan      | 10 |
| 35. | Mr.N. Srinivasan        | 71030121002  | Dr.J.C.Kannan      | 6  |
| 36. | Mr.A. Sridhar           | 71070121006  | Dr.J.C.Kannan      | 23 |
| 37. | Mr.P.Jeyakumar          | 18124697253  | Dr.R.Jeyabharath   | 41 |



ANNA UNIVERSITY, CHENNAI - 600 026  
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 *N.S.*
2. Dr. R. Rajeswari, *R.R.*
3. Dr. P. VEENA - *P. Veena* 16/7/15
- 4.

Indian Examiner

Subject Expert

Supervisor & Convenor

Joint Supervisor (If any)

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



ANNA UNIVERSITY, CHENNAI - 600 025  
CENTRE FOR RESEARCH



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. N. S. S. [N. SELVAGANESAN]   | Indian Examiner           |
| 2. D. Murali [Dr. D. MURALI]  | Subject Expert            |
| 3. [Signature]  | Supervisor & Convenor     |
| 4. [Signature]<br>Professor & Head,<br>Department of EEE.,<br>KSR Institute for Engg. & Tech.,<br>TIRUCHENGODE-637 215. | Joint Supervisor (If any) |

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TIRUCHENGODE-637 215,  
NAMAKKAL DISTRICT, TAMIL NADU.



Proceedings of the Ph.D. Viva-Voce Examination of Mr./Ms. Murugan.M held at 11:00 AM on 14.01.2016 in Seminar hall Anna university regional office Coimbatore

The Ph.D. Viva-Voce Examination of Mr./Ms. Murugan.M (Reg. No. 100960421009) on his/her Ph.D. Thesis Entitled "PRECISION SPEED CONTROL AND STABILITY ANALYSIS OF BRUSHLESS DC MOTOR BASED ON INPUT SHAPING TECHNIQUE" was conducted on 14.01.2016 at 11:00 AM in the Seminar hall Anna university regional office Coimbatore.

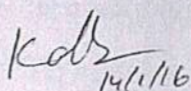
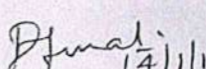
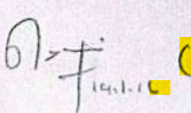
The following Members of the Oral Examination Board were present:


- |  |                       |
|--|-----------------------|
| 1. Dr. K. Ravindra, Assistant Professor, Department of Electrical and Electronics Engineering, University College of Engineering Jawaral Nehru Technical University Kakinada, Kakinada - 533 003 | 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. Murugan.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. Murugan.M be awarded Ph.D. degree in the Faculty of Electrical Engineering.

- |   |                           |
|---|---------------------------|
| 1.  (Dr. K. RAVINDRA)      | Indian Examiner           |
| 2.  (Dr. D. MURALI)        | Subject Expert            |
| 3.  (Dr. J. Jeyabharath.R) | Supervisor & Convenor     |
| 4.  | Joint Supervisor (If any) |

  
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NAMAKKAL Dt., TAMIL NADU.



# ANNA UNIVERSITY, CHENNAI - 600 025

## CENTRE FOR RESEARCH

Reg. No. :71030622047



1. Registration No. : 71030622047
2. Ph.D. / M.S. / M.Tech : Ph.D  
Date of Registration : JUL 2010  
Category : PT
3. Region : AUT-CBE
4. Name : VIMALADEVI M
5. Email : vimal.vcet@gmail.com
6. Mobile : 9965214142
7. Gender : Female
8. Nationality : Indian
9. Community : BC
10. Date of Birth : 05-06-1977
11. Office Address (Part-Time Scholar) : M.VIMALADEVI, AP/CSE, HINDUSTHAN INSTITUTE OF TECHNOLOGY,  
COIMBATORE  
COIMBATORE  
TAMILNADU  
641032
  
- Residential Address : 95/6, SRI AMMAN ILLAM, BOYES GARDEN, VILLARASAMPATTI, ERODE  
ERODE  
TAMILNADU  
638107
12. Faculty : Ice
13. UG Degree / Branch : B.Sc. / Computer Science
14. PG Degree / Branch : M.C.A. / Computer Applications M.E. / Computer Science and Engineering
15. Research Topic : MSFS Algorithm for Cancer Classification
- If Special Character : N

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# ANNA UNIVERSITY OF TECHNOLOGY COIMBATORE

(Established under Act No.42 of 2006 by the Government of Tamil Nadu)

**Excellence in Technical Education and Research**

**CENTRE FOR RESEARCH**

**Prof.Dr.T.KANNADASAN**, M.Tech., Ph.D.,  
DIRECTOR

Academic Campus  
Jothipuram post,  
Coimbatore - 641 047

Ref :

Date :

**Lr.No.002/71030121005/Ph.D./D.C**

**27.10.2010**

To

Dr. C. Kannan  
Professor & HOD, Dept. of Physics  
KSR College of Engineering  
KSR Kalvi Nagar  
Tiruchengode - 637 215



Sub.: Ph.D. Programme - **Mr./Ms. SRINIVASAN N.** Research Scholar - Constitution of Doctoral Committee - Orders - Issued.

Mr./Ms. SRINIVASAN N, has been granted Provisional Ph.D. Registration in the faculty of Science and Humanities (Physics) under your guidance. Accordingly a Doctoral Committee has been constituted comprising of the following members for the above research scholar as required by clause 12 of the Ph.D. Regulations.

| Sl No. | Name of the Supervisor / Member  | Designation |
|--------|--|-------------|
| 1. ✓   | <b>Dr. C. Kannan</b><br>Professor & HOD, Dept. of Physics<br>KSR College of Engineering<br>KSR Kalvi Nagar<br>Tiruchengode - 637 215 | Supervisor  |
| 2.     | Dr. K. Boopathy<br>Professor in Physics,<br>Government College of Engineering<br>Omair taluk,<br>Salem 636011                        | Member      |
| 3.     | Dr.G.Gobi<br>Asst. Professor, Dept. of Physics<br>Government Arts College<br>Salem-7   | Member      |

The Doctoral Committee shall meet within 3 weeks from the date of receipt of this communication to prescribe the course work as per the annexure for the research scholar. The Committee shall function as per rules of the Ph.D. regulations. The Chairperson and all the members of the Doctoral Committee are eligible for Sitting Fee. Outside members are eligible for TA/Conveyance as per Anna University of Technology Coimbatore TA rules.

The Convener shall convene the meeting of the Doctoral Committee and send the progress report periodically.


To

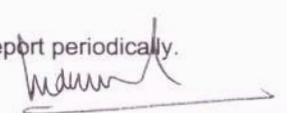
**The Supervisor**

Copy to:

All Members.

File.

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

  
**DIRECTOR - RESEARCH**



# ANNA UNIVERSITY OF TECHNOLOGY, COIMBATORE

## COIMBATORE - 641 047.

### CENTRE FOR RESEARCH

### PROGRESS REPORT OF THE Ph.D. PROGRAMME

*[To be submitted at the time of fees collection by all the candidates]*

- i. The progress reports shall be submitted by the candidate about the work carried out during the period of this report, (in about 300 words) duly signed by the candidate and countersigned by the Supervisor.
- ii. The Supervisor shall fill his/her part, sign it and get it countersigned, by the Head of the Department/Institution/Collaborative Research Centre / HOD of the place of employment.

#### 1. Particulars about the Candidate

- a. Name : M. I. THARIQ HUSSAN
- b. Registration No. : 71060621048
- c. Name of the Department : Computer Science and Engineering
- d. Designation : Assistant Professor(Senior Grade)
- (If applicable)
- e. Institution where employed : CMS College of Engineering, Namakkal.
- (If applicable)
- f. Period of the Report : July 2011 to December 2011
- g. Contact Numbers : 94435 02918

#### 2. Registration Details

- a. Category of Registration : Independent ☐ Internal ☒ External ☐
- b. Date of Provisional Registration : 03-09-2010
- with University

#### 3. Particulars of the Supervisor(s)

##### i. Supervisor

- a. Name : Dr. B. KALAAVATHI
- b. Designation : Professor & Head
- c. Institution(s) where employed : K. S. R Institute for Engineering and Technology, Tiruchengode

##### ii. Co-Supervisor (if any)

- a. Name : Nil
- b. Designation : Nil

  
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TIRUCHENGODE - 637 215,  
NAMAKKAL Dt. TAMIL NADU

Institution where employed : Nil

4. Name of Department/Institution/ Collaborative Research Centre where research is conducted : K. S. Rangasamy College of Technology, Tiruchengode

5. Area of work and tentative title of the proposed thesis : Data Mining and Clustering in Wireless Communication

#### 6. Details of progress

a. Whether the candidate's report enclosed : Yes ✓ No       

b. Whether papers have been published? (If yes, furnish details) : Yes        No ✓

c. Whether Seminars/Conferences attended? (If yes, furnish details) : Yes ✓ (1) No       

d. Whether completed the prescribed course work. If yes, how many? : Yes ✓ (4) No       

Date : 24.01.2012

  
Signature of the Candidate

#### 7. Remarks of the Supervisor

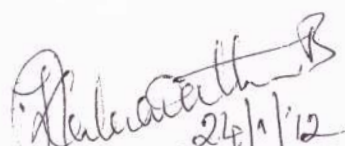
a. Attendance : ✓ Satisfactory / ~~Not Satisfactory~~

b. Progress : ✓ Satisfactory / ~~Not Satisfactory~~

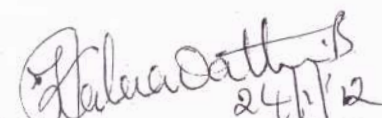
c. Expected time of completion : 3 years

8. Comments of the Supervisor on the Progress of Research Work done by the Candidate : good

Date : 24.01.2012

  
Signature of the Supervisor

Place : KSRIET

  
Signature of the Head of the Department  
/Institution/ Collaborative Research Centre  
Where the Supervisor is employed.

Seal :

Note : Only completed progress report will be considered.

SUMMARY OF THE ACTIVITIES CARRIED OUT BY THE CANDIDATE  
DURING THE PERIOD JULY 2011 TO DECEMBER 2011

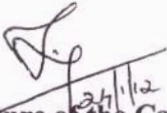
All the course work paper suggested in the Doctoral Committee meeting by the DC members was successfully completed by the candidate.

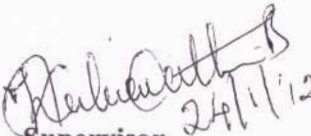
- 1) Research Methodology - D Grade
- 2) Data Warehousing and Data Mining - B Grade
- 3) Advanced Databases - A Grade
- 4) Grid Computing - D Grade

During this period the candidate has carried out the following activities.

Participated in the National Level Workshop on "**Research Issues in Data Mining**" during 5<sup>th</sup> & 6<sup>th</sup> August 2011 organized by Department of Computer Applications, K. S. Rangasamy College of Technology, Tiruchengode.

Collected various information related to his area of research from international journals.

  
**Signature of the Candidate**  
**M. I. Thariq Hussan**  
Reg. No: 71060621048  
Research Scholar,  
Anna University of Technology,  
Coimbatore.

  
**Supervisor**  
**Dr. B. Kalaavathi,**  
Professor & Head,  
Department of Computer Science &  
Engineering,  
K. S. R Institute for Engineering &  
Technology,  
Tiruchengode – 637215.

  
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**TIRUCHENGODE-637 215,**  
**NAMAKKAL Dt. TAMIL NADU.**

**MINUTES OF THE DOCTORAL COMMITTEE MEETING FOR CONFIRMATION OF  
PROVISIONAL REGISTRATION**

The Doctoral Committee Meeting of the Ph.D. Scholar, **Mrs. P. Malarkodi** (Reg.No. 100930122012) was held on 25.01.14 at 2.30 P.M. in the Department of Physics, K S R College for Engineering and technology, Tiruchengode-637 215. The following members were present.

1. **Dr. J.C. Kannan** Supervisor & Convener)
2. Dr. K. Tamilarasan (Member)
3. Dr. G. Gopi (Member)

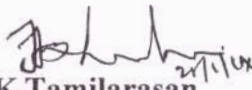
Mrs. P. Malarkodi has successfully completed the following course works recommended by the Doctoral Committee. She has obtained the following grades in the course works.


| Course Code               | Course Title                                 | Credits | Core Course /Elective/Special elective | Grade/ Marks |
|---------------------------|--|---------|--|--------------|
|                           | RESEARCH METHODOLOGY                         | D       | Core Course                            | 6            |
| 08SM26                    | THIN FILM TECHNOLOGY                         | S       | Core Course                            | 5            |
| 08SM23                    | NANOMATERIALS AND NANOTECHNOLOGY             | S       | Core Course                            | 5            |
| 08SM25                    | THIN FILM DEPOSITION TECHNIQUES (Field Work) | E       | Core Course                            | 9.5          |
| CGPA                      |  |         |  | 6.375        |
| Comprehensive Examination |  |         |  | Pass         |


Result sheet of the courseworks should be duly attested by the supervisor with seal.

The scholar has made a seminar presentation on "Investigations on TCO's" to the faculty members and research scholars. The attendees list is enclosed herewith. The committee also evaluated the research work carried out by the scholar and satisfied with the performance of the scholar. Hence the Committee recommends the confirmation of Provisional registration of the scholar in the Faculty of Physics, and permits the scholar to proceed with her research work.

  
**Dr. J.C. Kannan**  
Supervisor

  
**Dr. K. Tamilarasan**  
Member

  
**Dr. G. GOPI**  
Member

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



# 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. 1160431024)** 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 & Technology, Thiruvananthapuram 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.

*[Signature]*  
3/3/17  
Indian Examiner

*[Signature]*  
3/3/17  
Subject Expert

*[Signature]*  
3.3.17  
Supervisor & Convenor

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



# 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. <b>Dr. Jeyabharath.R,Professor, Department of Electrical and Electronics Engineering, K.S.R.Institute for Engineering and Technology,Erode</b>                              | 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., 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,  
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NAMAKKAL Dt, TAMIL NADU.



# CENTRE FOR RESEARCH

ANNA UNIVERSITY, CHENNAI-600 025



Proceedings of the Ph.D. Viva-Voce Examination of Mr. Saravanan.M.S held at 2:30 PM on 21.04.2017 in EEE seminar Hall, KSRIET

The Ph.D. Viva-Voce Examination of Mr. Saravanan.M.S (Reg. No. 11110431029) on his/her Ph.D. Thesis Entitled "MINIMIZATION OF TOTAL HARMONIC DISTORTIONS IN CASCADED MULTILEVEL INVERTER USING PWM TECHNIQUES" was conducted on 21.04.2017 at 2:30 PM in the EEE seminar Hall, KSRIET.

The following Members of the Oral Examination Board were present:

- |  |                       |
|--|-----------------------|
| 1. Dr. N.Selvaganesan, Associate Professor, Department of Avionics, Indian Institute of Space Science & Technology, Thiruvananthapuram 695547 Kerala | Indian Examiner       |
| 2. Dr. C.Govindaraju, Assistant Professor, Department of Electrical & Electronics Engineering, Government College of Engineering Salem, Salem 636011 | Subject Expert        |
| 3. Dr. Jeyabharathi.R, Professor, Department of Electrical & Electronics Engineering, KSR Institute for Engineering & Technology, Namakkal           | Supervisor & Convenor |

The research scholar, Mr. Saravanan.M.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. Saravanan.M.S be awarded Ph.D. degree in the Faculty of Electrical Engineering.

*[Signature]*  
21/4/17  
Indian Examiner

*[Signature]*  
21/04/2017  
Subject Expert

*[Signature]*  
Supervisor & Convenor

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

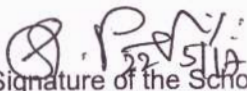


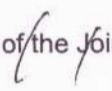
ANNA UNIVERSITY, CHENNAI - 600 025  
CENTRE FOR RESEARCH

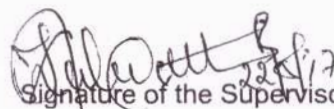


1. Registration No. : 71060522020
2. Name : Poongodi S
3. Degree : Ph.D.
4. Department / Centre : Department of Computer Science and Engineering
5. Faculty : Information and Communication Engineering
6. Category : Part-Time
7. Date of Viva-Voce Examination : 22.05.2017
8. Title of the thesis : RST INVARIANT BASED ATTACK RESISTANT ANALYSIS FOR IMAGE WATERMARKING USING VIDEO FRAMES
9. Special Character in the Thesis Title : no
10. Indian Examiner : DR.R.NAKKEERAN PROFESSOR / DEPARTMENT OF ELECTRONICS ENGINEERING SCHOOL OF ENGINEERING AND TECHNOLOGY PONDICHERRY UNIVERSITY PUDUCHERRY-605 014. TELEPHONE NO: 0413 2654991, 0413 2654 992 (HEAD) MOBILE NO: +91-919443029346 EMAIL: NAKKEERAN.DEE@PONDUNI.EDU.IN.
11. Foreign Examiner : DR.P.D.D.DOMINIC ASSOCIATE PROFESSOR DEPT. OF COMPUTER AND INFORMATION SCIENCES UNIVERSITI TEKNOLOGI PETRONAS,31750 TRONOH, PERAK, MALAYSIA. PHONE: 00-6017-5071408 E-MAIL:PDDDOMINIC@YAHOO.COM.
12. Viva-Voce Expert : DR.R.ASOKAN PROFESSOR ELECTRONICS AND COMMUNICATION ENGINEERING KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY, THOTTIAM,TRICHY(DT). PHONE : 9443766248 E-MAIL : ASOKECE@YAHOO.COM



  
Signature of the Scholar

  
Signature of the Joint Supervisor

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

  
PRINCIPAL.

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



ANNA UNIVERSITY, CHENNAI - 600 025  
CENTRE FOR RESEARCH



(If applicable)

(with seal)

Submission Date: 22-05-2017

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

PRINCIPAL,  
K. S. R. INSTITUTE FOR  
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K. S. R. KALVI NAGAR,  
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**ANNA UNIVERSITY OF TECHNOLOGY, COIMBATORE**  
**CENTRE FOR RESEARCH**  
Academic Campus, Jothipuram – Post, Coimbatore -641 047.

**MINUTES OF THE SECOND DOCTORAL COMMITTEE MEETING**

|                                      |   |   |  |
|--------------------------------------|---|---|--|
| Candidate Name                       | <b>P.S.GOMATHI</b>  | Supervisor Name   | <b>Dr.B.Kalaavathi</b>   |
| Date of Registration                 | 03.09.2010  | Date of Meeting   | 20.03.2012   |
| Department                           | EEE   | ANNA UNIVERSITY<br>OF<br>TECHNOLOGY<br>COIMBATORE<br>Registration Number  | <b>71060422008</b>   |
| Venue of the Meeting                 | K.S.R.Institute for Engineering and Technology, Tiruchengode.   |   |  |
| Area of Research                     | Medical Image Fusion using Discrete Wavelet Transform   |   |  |
|                                      | Supervisor  | Member 1  | Member 2   |
| Members of the<br>Doctoral Committee | Dr.B.Kalaavathi,<br>Professor and Head,<br>Department of CSE,<br>K.S.R. Institute for<br>Engineering and<br>Technology, KSR Kalvi<br>Nagar, Tiruchengode-<br>637215 | Dr.C.Venkatesh<br>Dean,<br>Faculty of Engineering,<br>EBET Group of<br>Institutions,<br>EBET Knowledge Park,<br>Kangayam -638108. | Dr. V.Murali Bhaskaran<br>Principal,<br>Paavai College of<br>Engineering,<br>Paavai Institutions,<br>Paavai Nagar, NH-7,<br>Pachal -637 018.<br>Namakkal Dist. |

The Candidate Successfully completed all course works prescribed by the doctoral Committee and the results of the course work examination were reviewed and are given below.

| S.No | Name of the Subject                     | Grade | Description | Result |
|------|---|-------|-------------|--------|
| 1.   | Research Methodology                    | D     | Average     | Pass   |
| 2.   | Wavelets and Multiresolution Processing | D     | Average     | Pass   |
| 3.   | Digital Image Processing                | D     | Average     | Pass   |
| 4.   | Soft Computing                          | B     | Good        | Pass   |

\*The mark sheet issued by the Controller of Examinations shall be attested by the Supervisor.

**RECOMMENDATION:**

- The candidate presented the research work in detail and answered the queries raised by the doctoral committee members.
- After the deliberations, the doctoral committee has found that the scholar has acquired sufficient knowledge in the proposed topic of research.
- The Committee recommends that the provisional registration may be confirmed and permitted to continue the proposed research work.

*Dr. C.Venkatesh*  
20/3/12  
**Dr. C.Venkatesh**  
Member

*Dr. V.Murali Bhaskaran*  
20/3/12  
**Dr.V.Murali Bhaskaran**  
Member

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

*Dr. B.Kalaavathi*  
20/3/12  
**Dr.B.Kalaavathi**  
Supervisor  
**Dr.B.KALAAVATHI B.E.,M.Tech.,Ph.**  
**PROFESSOR & HEAD**  
**Dept.of Computer Science & Engineering**  
**K S R INSTITUTE FOR**  
**ENGINEERING & TECHNOLOGY**  
**TIRUCHENGODE - 637 215.**



# K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(An Autonomous Institutions)

KSR Kalvi Nagar, Tiruchengode – 637 215, Namakkal(Dt), Tamil Nadu, India

Ph: 04288 – 274741(4 Lines) Fax : 04288 – 274860

E-Mail : [contact@ksrct.ac.in](mailto:contact@ksrct.ac.in) Website : [www.ksrct.ac.in](http://www.ksrct.ac.in)

Ref: KSRCT/IT/Ph.D-7/4-2011/DC-Meet/01

Date: 04.05.2011

To

The Director - Research,

Anna University of Technology-Coimbatore,  
Coimbatore.

Sir,

Sub: Submission - Part time Ph.D Programme - First Doctoral Committee meeting  
Minutes - Course work and Research work - reg.

As per the regulations of Part time Ph.D programme, I am sending the minutes of the First Doctoral Committee meeting, Copy of Doctoral Committee Members List and TA-DA Claim form for the following research scholar.

**1. R.CHITHRA**

**Reg.No : 11160932001**

Thanking you,

Yours faithfully,

Dr. B. KALAAVATHI, B.E., M.Tech., Ph.D.,  
Supervisor cum Chairperson of I.T  
K.S.Rangasamy College Of Technology  
K.S.R Kalvi Nagar - 637 215  
TIRUCHENGODE, TAMILNADU

Encl:

1. Copy of Doctoral Committee Members List
2. Minutes of the Doctoral Committee Meeting
3. TA-DA Claim form
4. Copies of Syllabus

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



# ANNA UNIVERSITY

## CENTRE FOR RESEARCH

Sardar Patel Road, Chennai - 600 025, India



**Prof. R. JAYAVEL**, Ph.D.  
DIRECTOR


Ref : No. 71160631048/Ph.D./AR14

Date : 11.09.2017

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.M.Sakthivel**, Ph.D. Research Scholar in the Faculty of Information and Communication Engineering, Anna University, Chennai - 25 has successfully completed his Oral Examination held on 01.09.2017. The Oral Examination Board has recommended for the award of Ph.D. degree to **Mr.M.Sakthivel**.

The Ph.D. degree is in compliance of the UGC Regulations 2009.

  
DIRECTOR (RESEARCH)



2/11/17

  
PRINCIPAL,  
K. S. R. INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
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. 71160631015/Ph.D./AR14

Date : 10.08.2017

Sub : Ph.D. Programme – Constitution of Oral Examination Board - Conduct of Viva-Voce in respect of **Mr.K.A.Jayabalaji** – 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.K.A.Jayabalaji**.

1. **Dr.M.Venkatesan**

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

Supervisor/Convener

2. **Dr.M.Hanumanthappa**

Professor  
Department of Computer Science & Applications  
Bangalore University  
Bangalore-56

Member

3. **Dr.S Sakthivel**

Professor  
Department of Computer Science and Engineering  
Sona College of Technology  
Salem- 636005

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 TA/DA 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.M. Venkatesan  
Professor  
Department of Computer Science and Engineering  
KSR Institute for Engineering and Technology, Tiruchengode  
Namakkal 637215

*R. Jayavel*  
10/8/17  
DIRECTOR 2/1

*[Signature]*  
10/8

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

*[Signature]*



# CENTRE FOR RESEARCH

ANNA UNIVERSITY, CHENNAI-600 025



Proceedings of the Ph.D. Viva-Voce Examination of Mr.Srihari.T held at 10:00 AM on 05.05.2017 in  
EEE seminar Hall, KSR Institute for Engineering and Technology

The Ph.D. Viva-Voce Examination of **Mr.Srihari.T (Reg. No. 100960421022)** on his/her Ph.D. Thesis  
entitled " Performance Analysis of Direct Torque Control Based Switched Reluctance Motor Drive Using  
Intelligent Systems " was conducted on **05.05.2017** at 10:00 AM in the EEE seminar Hall, KSR Institute for  
Engineering and Technology.

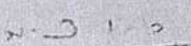
The following Members of the Oral Examination Board were present:

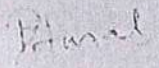
- |   |                       |
|---|-----------------------|
| 1. Dr. N.Selvaganesan, Associate Professor, Department of<br>Avionics, Indian Institute of Space Science &<br>Technology, Thiruvananthapuram 695547 Kerala    | Indian Examiner       |
| 2. Dr. D.Murali, Assistant Professor (Sr.Gr), Department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

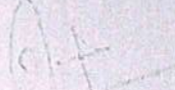
The research scholar, Mr. Srihari.T presented the salient features of his/her Ph.D. work. This was followed  
by questions from the board members. The questions raised by the Foreign and Indian Examiners were also  
put to the scholar. The scholar answered the questions to the full satisfaction of the 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.Srihari.T be awarded Ph.D. degree in the **Faculty  
of Electrical Engineering.**

  
Indian Examiner

  
Subject Expert

  
Supervisor & Convenor

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

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



MINUTES OF THE DOCTORAL COMMITTEE MEETING FOR SUGGESTING  
SUBJECT EXPERT FOR ORAL EXAMINATION

The Doctoral Committee Meeting of the Ph.D. Scholar, Mr./Ms. **SUMATHI K** (Reg.No. **71130632068**) was held on 06.09.2017 at 10.00 A.M./P.M. in the Department of Computer Science and Engineering, K.S.R. Institute for Engineering and Technology, Tiruchengode.

The following members were present


1. **Dr. M. VENKATESAN** (Supervisor & Convener)
2. NOT APPLICABLE (Joint Supervisor, if applicable)
1. Dr. P.S.PERIASAMY (Member)
2. Dr.S.KARTHIK (Member)
3. NOT APPLICABLE (Research Co-ordinator, if applicable)

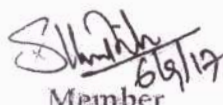
The Comments given by the Indian and Foreign examiners have been reviewed by the Doctoral Committee and ascertained that the corrections were carried out by the scholar.

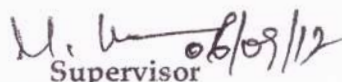
\*Title of the thesis / Title of the thesis modified as per the suggestion of Indian / Foreign examiners.


"Effective Congestion Control Approaches for Wireless Multimedia Sensor Networks"

The Doctoral Committee further recommends a panel of experts for constituting oral examination board.

  
Member  
(Signature with Name and date)  
(Dr.P.S.PERIASAMY)

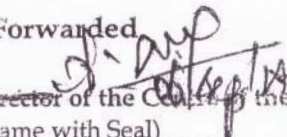
  
Member  
(Signature with Name and date)  
(Dr.S.KARTHIK)

  
Supervisor  
(Signature with Name, date and seal)  
(Dr. M. VENKATESAN)

  
Joint Supervisor  
(Signature with Name, date and seal)  
(if applicable)

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

Forwarded

  
(Name with Seal)  
Dr. A. RAJIV KUMAR, M.E., Ph.D.  
Principal and HOD,  
Department of Computer Science and Engineering,  
K.S.R. College of Engineering (Autonomous),  
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.

\*Strike off whichever is not applicable.



# CENTRE FOR RESEARCH

ANNA UNIVERSITY, CHENNAI-600 025



Proceedings of the Ph.D. Viva-Voce Examination of Mr./Ms.Arulmurugaselvi.N held at 11:30 AM on 10.01.2018 in EEE seminar Hall, KSR Institute for Engineering and Technology, Tiruchengode

The Ph.D. Viva-Voce Examination of Mr./Ms.Arulmurugaselvi.N (Reg. No 71110532003) on his/her Ph.D. Thesis Entitled " Performance Analysis Of Content Based Mammogram Image Retrieval Using Machine learning Approach " was conducted on 10.01.2018 at 11:30 AM in the EEE seminar Hall, KSR Institute for Engineering and Technology, Tiruchengode.

The following Members of the Oral Examination Board were present:

1. Dr. S.Moorthi,Assistant Professor,Department of Electrical and Electronics Engineering,National Institute of Technology,Tiruchirappalli 620015 Indian Examiner
2. Dr. D Murali,Assistant Professor,Department of Electrical and Electronics Enigneering,Government College Of Engineering,Salem- 636011 Subject Expert
3. Dr. Jeyabharath.R,Professor, Department of Electrical and Electronics Engineering, K S R.Institute for Engineering and Technology Supervisor & Convenor

The research scholar, Mr./Ms. Arulmurugaselvi.N 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.Arulmurugaselvi.N be awarded Ph.D degree in the Faculty of Information and Communication Engineering.

Indian Examiner

Subject Expert

Supervisor & Convenor

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

# ANNA UNIVERSITY OF TECHNOLOGY, COIMBATORE

(Established under Act No. 42 of 2006 by the Government of Tamil Nadu)

## CENTRE FOR RESEARCH

Dr. P. RENUKA DEVI, Ph.D.  
DIRECTOR i/c.

Academic Campus  
Joshiapuram Post,  
Coimbatore - 641 047

AUTCBE/CR/CR1/Confirmation/1301/Lr.No.0578/2012

Date: 11.06.2012

Sir,

Sub: Anna University of Technology, Coimbatore - Ph.D. Programme - Provisional  
Registration - of Research Scholar - Confirmation - Orders issued.

Ref: Minutes of Second Doctoral committee meeting held on 24.03.2012 at  
KSR College of Engineering, Tiruchengode

The Provisional Registration granted to Mr./Ms. Srithar, A (Reg.No. 71070121006) to do Ph.D.  
Programme in Anna University of Technology, Coimbatore is Confirmed with effect from 02.09.2010 and  
he/she is permitted to proceed with his/her Research Work further, as recommended by the Doctoral  
Committee constituted for this research scholar.

Director - Research

To

1. Supervisor

Dr. J.C. Kannan  
Professor & Head  
Department of Physics  
KSR Institute of Engineering and Technology  
Tiruchengode-15.

2. Part Time Research Scholar through the Supervisor

Mr./Ms. Srithar, A  
Lecturer  
Department of Physics  
The Kavery College of Engineering  
Mechen

3. File

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



# CENTRE FOR RESEARCH

ANNA UNIVERSITY, CHENNAI-600 025



Proceedings of the Ph.D. Viva-Voce Examination of Mr. Murugesan.A held at 02:30 PM on 17.08.2018  
In EEE seminar Hall, KSR Institute for Engineering and Technology, Tiruchengode

The Ph.D. Viva-Voce Examination of **Mr. Murugesan.A (Reg. No. 100960421011)** on his/her Ph.D. Thesis Entitled "Investigations on Performance of Switched Reluctance Motor Speed Control using PID, FLC, FT-ANN Controller with Steady State Stability Analysis" was conducted on 17.08.2018 at 02:30 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. S. Moorthi, Associate Professor, Department of Electrical & Electronics Engineering, National Institute of Technology Trichy, Tiruchirappalli 620015  | Indian Examiner       |
| 2. Dr. N. Selvaganesan, Associate Professor, Department of Avionics, Indian Institute of Space Science & Technology, Thiruvananthapuram 695547               | Subject Expert        |
| 3. <b>Dr. Jeyabharath.R. Professor</b> , Department of Electrical & Electronics Engineering, <b>K S R</b> Institute for Engineering and Technology, Namakkal | Supervisor & Convenor |

The research scholar, Mr. Murugesan.A 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. Murugesan.A be awarded Ph.D. degree in the Faculty of Electrical Engineering.

*[Signature]*  
Indian Examiner  
17/8/2018

*[Signature]*  
17/8/18  
Subject Expert

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

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

# MINUTES OF THE DOCTORAL COMMITTEE MEETING FOR CONFIRMATION OF PROVISIONAL REGISTRATION

The Doctoral Committee Meeting of the Ph.D. Scholar, **Mr.A.V.SANTHOSH BABU (Reg.No. 11260631053)** was held on 21.09.2013 at 3.00 P.M. in the Department of Information Technology. The following members were present

1. **Dr.P.Meenakshi Devi,** (Supervisor & Convener)  
Professor & Head / IT,  
K S R Institute for Engineering and Technology, Tiruchengode.
2. **Dr.S.Selvarajan,** (Member)  
Professor & Principal,  
Muthayammal College of Engineering, Rasipuram
3. **Dr.R.Asokan,** (Member)  
Professor & Principal,  
Kongunadu College of Engineering and Technology, Thottiyam.

Mr.A.V.SANTHOSH BABU has successfully completed the following course works recommended by the Doctoral Committee. He has obtained the following grades in the course works.

| Course Code               | Course Title                     | Credits | Core Course / Elective / Special Elective | Grade/ Marks |
|---------------------------|----------------------------------|---------|---|--------------|
| CS9213                    | Computer Networks and Management | 3       | Core Course                               | C            |
| FT1915                    | Research Methodology             | 3       | Special Elective                          | A            |
| CS9224                    | Information Security             | 3       | Core Course                               | D            |
| CS9251                    | Mobile Computing                 | 3       | Elective                                  | C            |
| CGPA                      |                                  |         |   | 7.25         |
| Comprehensive Examination |                                  |         |   | Pass         |

Result sheet of the coursework should be duly attested by the supervisor with seal.

The scholar has made a seminar presentation on "Enhanced Implementation for UMTS User Identity with Confidentiality" - 21.09.2013 (Saturday) to the faculty members and research scholars. The attendees list is enclosed herewith. The committee also evaluated the research work carried out by the scholar and satisfied with the performance of the scholar. Hence the Committee recommends the confirmation of Provisional registration of the scholar in the Faculty of Information and Communication Engineering / CSE, and permits the scholar to proceed with his research work on "Network Security".

*Member*  
**Dr.S.SELVARAJAN**, M.E., Ph.D.,  
PRINCIPAL,  
MUTHAYAMMAL COLLEGE OF ENGINEERING  
KAKKAVERI-637 408, RASIPURAM Tk.  
NAMAKKAL Dt., TAMIL NADU.  
Ph: 04287-220737.

**PRINCIPAL,**  
**K. S. R. INSTITUTE FOR**  
**ENGINEERING AND TECHNOLOGY,**  
**K. S. R. TALVI NAGAR,**  
**TIRUCHENGODE - 637 215,**  
**TAMIL NADU.**  
**Dr. R. ASOKAN, M.S., M.Tech., Ph.D**  
**PRINCIPAL**  
**Kongu Nadu College of**  
**Engineering and Technology**  
**Tholurpatti (Po), Thottiam (Tk),**  
**Trichy (Dt) - 621 215.**

*Supervisor*  
**Dr.P.MEENAKSHI DEVI**  
**Professor & Head / IT,**  
**K S R INSTITUTE FOR**  
**ENGINEERING AND TECHNOLOGY,**  
**K. S. R. TALVI NAGAR,**  
**TIRUCHENGODE - 637 215,**  
**TAMIL NADU.**

ANNA UNIVERSITY: CHENNAI - 25  
Department of Information Technology  
KSR Institute for Engineering and Technology  
Tiruchengode-637215

Ph.D. Public Viva-Voce Examination

Name of the Scholar : **M.DHURGADEVI**  
Registration Number : **11260632009**  
Category of registration : Part-time  
Faculty : Information and Communication Engineering  
Title of the Thesis : IMPROVING THE ENERGY EFFICIENCY OF  
WIRELESS SENSOR NETWORK THROUGH  
WIRELESS ENERGY TRANSFER  
Date and Time of Viva-voce Examination : 15.04.2019 & 11.00 A.M  
Venue : Seminar Hall, KSRIET, Tiruchengode.  
Name and address of the Supervisor : **Dr.P.Meenakshi Devi**  
Professor and Head,  
Department of Information Technology,  
KSR Institute for Engineering and Technology,  
KSR Kalvi Nagar, Tiruchengode - 637215.

All are cordially invited

Date : 29.03.2019  
Place : Tiruchengode

Signature of the Supervisor  
(Name and seal)

Dr. P. MEENAKSHI DEVI, B.E., M.E., Ph.D.,  
PROFESSOR & HEAD,  
Dept. of Information Technology,  
KSR INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
TIRUCHENGODE-637 215.

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

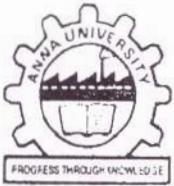
Dr. P. MEENAKSHI DEVI, B.E., M.E., Ph.D.,  
PROFESSOR & HEAD,  
Dept. of Information Technology,  
KSR INSTITUTE FOR  
ENGINEERING AND TECHNOLOGY,  
TIRUCHENGODE-637 215.

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 Director, Academic Courses, Anna University, Chennai-25.
7. The Professor, Planning and Development, Anna University, Chennai-25.
8. The Dean, CEG, Guindy, Anna University, Chennai-25.
9. The Oral Examination Board Members.
10. The Principal, All HOD's, KSR Institute for Engineering and Technology, Tiruchengode.
11. The Principals of all Government, Government Aided and all Affiliated Engineering Colleges under Anna University with respect to display in the notice board.
12. The Doctoral Committee Members of the candidate.

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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**ANNA UNIVERSITY**  
**REGIONAL CENTRE - COIMBATORE**  
**COIMBATORE- 641 047**

**Dr. M.SARAVANAKUMAR, Ph.D**  
**Regional Director i/c**

AU-RCC/ OR / CR5/ Lr.No. 337/ 2013

Dated : 12.7.2013

To

**Dr. M. Venkatesan,**  
**Principal,**

K.S.R. Institute for Engineering and technology,  
K.S.R. Kalvinagar,  
Tiruchengode - 637 215.

Sir,

**Sub :** Ph. D Programme – Provisional Registration for Confirmation – Certain details –  
Called for – Requested – Reg.

**Ref :** Doctoral Committee Minutes Dated: 17.08.2013...

\*\*\*\*\*

I am to request you to instruct Mr./ **Ms. Senthil Kumar. A. M.**.....to  
produce the following documents at the earliest to consider the confirmation of provisional  
registration of said scholar

1. Attested Copy of UG/PG Degree Certificate.
2. Copy of Fee Chalan paid for the Period.
- ③ Half Yearly Progress Report for the period. **July 2012 to Dec 2012**
4. Supervisor attested Copy of the Result sheet declared by the Controller of Examinations.
5. Course Code and Course Title not mentioned in the Minutes of the Doctoral Committee Meeting.
6. Grade/Marks obtained in the course works are not mentioned in the Doctoral Committee Minutes.
7. The Marks/Grade obtained by the candidate in the comprehensive examination should be included in the doctoral committee minutes for confirmation of registration.
8. Course code mentioned in the Grade Sheet is not correct and it is instructed to furnish the correct course code number in the Grade Sheet.

[PTO]

**PRINCIPAL,**

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

Dr.B.KALAAVATHI.,

01.07.2014

To

The Director (Research)  
Regional Center - Coimbatore Region  
Anna University Regional Center, Veerapandipirivu  
Metupalayam Road, Jothipuram  
Coimbatore

Respected Sir/Madam,

**Sub:** Ph.D Programme - Second Doctoral Committee Meeting Minutes for Mrs.S.Selvi (Reg No: 11210632040 - AUT, CBE) - reg.

Ref: AUTCBE/CR/CR1/DCO2/11210632040/1303/Lr.No.001/2014

Mrs.S.Selvi registered Ph.D as a Part-Time (External) candidate in January 2012(AUT, CBE).

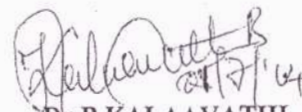
With reference to the letter cited above the Second Doctoral Meeting will be held on 05.07.2014 at K.S.R. Institute for Engineering and Technology, Tiruchengode as mentioned below.

| S.No | Name and Register number of the Scholar  | Date & Time of Meeting |
|------|--|------------------------|
| 1    | S.Selvi<br>Reg No: 11210632040 - AUT,CBE | 05.07.2014 & 03:00 PM  |

The Doctoral Committee members are requested to attend the meeting. This is for your kind information.

Thanking you,


Yours truly,

  
Dr.B.KALAAVATHI  
(Supervisor)

Copy to

- 1) Dr.V. Murali Baskaran, Principal, Dhirajlal Gandhi College of Technology, Salem
- 2) Dr.G.R.Karpagam, Professor/CSE, PSG College of Technology, Coimbatore
- 3) S.Selvi - Research Scholar

Dr. B. KALAAVATHI, B.E., M.Tech., Ph.D.  
Professor & Head  
Dept. of Computer Science & Engg.  
KSR Institute for  
Engineering and Technology  
Tiruchengode - 637 215

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



# CENTRE FOR RESEARCH

ANNA UNIVERSITY, CHENNAI-600 025



Proceedings of the Ph.D. Viva-Voce Examination of Mr./Ms. Gnana Vanitha, L. S held at 2:00 PM on 13.09.2019 in EEE Seminar Hall, KSR Institute for Engineering and Technology, Tiruchengode

The Ph.D. Viva-Voce Examination of Mr./Ms. Gnana Vanitha, L. S (Reg. No. 2011130144) on his/her Ph.D. Thesis Entitled " Certain Investigations on Charging Control of Plug In Hybrid Electric Vehicle " was conducted on 13.09.2019 at 2:00 PM in the EEE Seminar Hall, KSR Institute for Engineering and Technology, Tiruchengode.

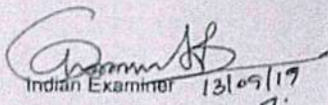
The following Members of the Oral Examination Board were present:

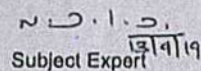
- |  |                 |
|--|-----------------|
| 1. Dr. C Christofer Asir Rajan, Professor, Department of Electrical and Electronics Engineering, Pondicherry Engineering College, Puducherry - 605 014.        | Indian Examiner |
| 2. Dr. N. Selvagesan, Associate Professor and Head, Department of Avionics, Indian Institute of Space Science and Technology, Thiruvananthapuram Kerala-695547 | Subject Expert  |
| 3. Dr. Jeyabharath R, Professor, Department of Electrical and Electronics Engineering, KSR Institute for Engineering & Technology, Erode                       | Supervisor      |

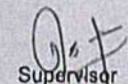
The research scholar, Mr./Ms. Gnana Vanitha, L. S presented the salient features of his/her Ph.D. work. This was followed by questions from the board members. The questions raised by the Foreign and Indian Examiners were also put to the scholar. The scholar answered the questions to the full satisfaction 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./Ms. Gnana Vanitha, L. S be awarded Ph.D. degree in the Faculty of Electrical Engineering.

  
Indian Examiner 13/09/19

  
Subject Expert 13/9/19

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

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



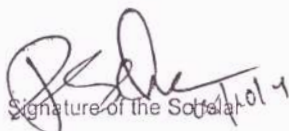
ANNA UNIVERSITY, CHENNAI - 600 025  
CENTRE FOR RESEARCH



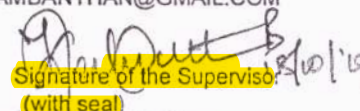
Final Thesis Registration Details

1. Registration No. : 11130631033
2. Name : Selvaraju P
3. Degree : Ph.D.
4. PG Specialization : Computer Science and Engineering
5. Department / Centre : Department of Computer Science & Engineering
6. Faculty : Information and Communication Engineering
7. Category : Part-Time
8. Date of Viva-Voce Examination : 16.10.2019
9. Title of the thesis : INVESTIGATION ON NATURALLY INSPIRED META HEURISTIC OPTIMIZATION TECHNIQUES FOR WEB USAGE MINING
10. Special Character in the Thesis Title : no
11. Indian Examiner : DR. VIJAY SINGH RATHORE PROFESSOR AND HEAD DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING JAIPUR ENGINEERING COLLEGE & RESEARCH CENTER S-5, BANKERS COLONY, MAHARANA PRATAP MARG, NEAR KARNI PALACE, GANDHI PATH, VAISHALI NAGAR, JAIPUR - 302 021. RAJASTHAN. MOBILE : +91-9783307390 E-MAIL : DRVJAYSINGHRATHORE@HOTMAIL.COM
12. Foreign Examiner : DR. JOYLONG-ZONG CHEN PROFESSOR DEPARTMENT OF ELECTRICAL ENGINEERING DA-YEH UNIVERSITY. (5G-MIMO/IOT-BIGDATALAB.), NO. 168, UNIVERSITY RD., DACUN, CHANGHUA, TAIWAN 51501, R.O.C. TEL: 886-01-48-511888 EXT: 2523 EMAIL : JCHEN@MAIL.DYU.EDU.TW
13. Viva-Voce Expert : DR. T. GNANASAMBANTHAN PROFESSOR & HEAD COMPUTER SCIENCE AND ENGINEERING NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH, CSIR ROAD, NEAR TIDEL PARK, TARAMANI, CHENNAI-600113. PHONE : 9444321697 E-MAIL: TGSAMBANTHAN@GMAIL.COM



  
Signature of the Student

Signature of the Joint Supervisor  
(with seal)  
(If applicable)

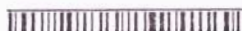
  
Signature of the Supervisor  
(with seal)

**Dr. B. KALAAYATHI, M. Tech., Ph.D.,**  
**PROFESSOR & HEAD**

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

Submission Date: 18-10-2019

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





# 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.

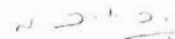
The following Members of the Oral Examination Board were present:

- |  |                 |
|--|-----------------|
| 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 scholars 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

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

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



# K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(An Autonomous Institution)

KSR Kalvi Nagar, Tiruchengode – 637 215, Namakkal(Dt), Tamil Nadu, India

Ph: 04288 – 274741(4 Lines) Fax : 04288 – 274860

E-Mail : contact@ksrct.ac.in Website : www.ksrct.ac.in

## MINUTES OF DOCTORAL COMMITTEE MEETING

Date: 02.05.2011

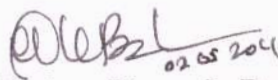
The first Doctoral Committee meeting for the Ph.D Research Scholar **D.MUTHUSANKAR (Reg.No:11160631022)** has been conducted on 02.05.2011 at 2.30 PM at K.S.Rangasamy College of Technology, Tiruchengode. The following Doctoral Committee members were present.



| Supervisor cum Chairperson   | DC Member   | DC Member  |
|--|---|--|
| <b>Dr.B.Kalaavathi</b><br>Professor, Department of IT,<br>K.S.Rangasamy College of<br>Technology, KSR Kalvi Nagar,<br>Tiruchengode - 637215. | <b>Dr.C.Nelson Kennedy Babu</b><br>Principal,<br>CMS College of Engineering,<br>Namakkal - 637 003. | <b>Dr.R.Asokan</b><br>Professor & Head,<br>Department of IT,<br>Kongu Engineering College,<br>Perundurai, Erode - 638 052. |

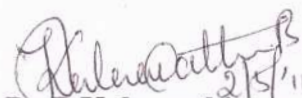
After carefully scrutinizing the research presentation by the research scholar, the following subjects are suggested for the course work by the Doctoral Committee. The Course works are selected from the Autonomous Syllabus of K.S.Rangasamy College of Technology, Tiruchengode, as required by Clause 13.1.3 of the Ph.D Regulations 2010 of Anna University of Technology, Coimbatore.

| S.No | Nature of Course Work | Syllabus Taken From                                    | Course                                      |
|------|-----------------------|--|---|
| 1.   | Direct Study          | FACULTY OF ENGINEERING AND MANAGEMENT STUDIES          | RESEARCH METHODOLOGY                        |
| 2.   | Direct Study          | M.E - COMPUTER SCIENCE & ENGINEERING (Regulation 2010) | 10PCSE43 - WEB DATA MINING                  |
| 3.   | Direct Study          | M.E - COMPUTER SCIENCE & ENGINEERING (Regulation 2010) | 10PCSE46 - SEMANTIC WEB                     |
| 4.   | Direct Study          | M.TECH - INFORMATION TECHNOLOGY (Regulation 2010)      | 10PITE24 - INFORMATION RETRIEVAL TECHNIQUES |

Making recommendations to the University for confirming the provisional registration of research programme.

  
**Dr. C.Nelson Kennedy Babu**  
(DC Member)

  
**Dr.R.Asokan**  
(DC Member)  
  
**PRINCIPAL.**  
**K. S. R. INSTITUTE FOR**  
**ENGINEERING AND TECHNOLOGY,**  
**K. S. R. KALVI NAGAR,**  
**TIRUCHENGODE-637 215,**  
**NAMAKKAL Dt, TAMIL NADU.**

  
**Dr.B.Kalaavathi**  
(Supervisor cum Chairperson)  
**Dr B.KALAAVATHI .B.E., M.Tech., Ph.D.,**  
**Professor, Department Of I.T**  
**K.S.Rangasamy College Of Technology**  
**K.S.R Kalvi Nagar - 637 215**  
**TIRUCHENGODE, TAMILNADU**



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



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

Telephone : + 91-44-2235 7366/2235 7354  
Fax : + 91-44-2220 1213  
Email : [dirresearch@annauniv.edu](mailto:dirresearch@annauniv.edu)  
[dirresearch@gmail.com](mailto:dirresearch@gmail.com)

Lr.No. 71160631053/Ph.D./AR7

Date: 27.12.2019.

To

Dr.M.Venkatesan,  
Professor,  
Department of Computer Science and Engineering,  
K.S.R. Institute for Engineering and Technology,  
K.S.R. Kalvi Nagar, Tiruchengode – 637 215  
Namakkal Dt.

Sir,

Sub: Ph.D.Programme – Mr.S.Sivaprakash – research scholar- Venue for Viva-Voce Examination – Reg.

Ref: Letter dated: 26.12.2019 from Dr.M.Venkatesan, Professor, Department of Computer Science and Engineering, K.S.R. Institute for Engineering and Technology, K.S.R. Kalvi Nagar, Tiruchengode – 637 215.

\*\*\*\*\*

With reference to your letter cited, I am by direction to inform that permission is accorded to conduct the Viva Voce examination in respect of your research scholar **Mr.S.Sivaprakash** (Reg.No.71160631053/Ph.D./AR7) at Department of Electrical and Electronics Engineering, K.S.R. Institute for Engineering and Technology, Tiruchengode as requested.

  
27/12/19  
**DIRECTOR**

Copy to:

1. The Head, Department of Computer Science and Engineering, K.S.R. Institute for Engineering and Technology, K.S.R. Kalvi Nagar, Tiruchengode – 637 215 Namakkal Dt.
2. The Head, Department of Electrical and Electronics Engineering, K.S.R. Institute for Engineering and Technology, K.S.R. Kalvi Nagar, Tiruchengode – 637 215 Namakkal Dt.

  
27/12/19  
**PRINCIPAL**  
**K. S. R. INST. FOR**  
**ENGINEERING AND**  
**K. S. R. KALVI**  
**TIRUCHENGODE**  
**NAMAKKAL**



# K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(An Autonomous Institution)

KSR Kalvi Nagar, Tiruchengode – 637 215, Namakkal(Dt), Tamil Nadu, India

Ph: 04288 – 274741(4 Lines) Fax : 04288 – 274860

E-Mail : contact@ksrct.ac.in Website : www.ksrct.ac.in

## MINUTES OF DOCTORAL COMMITTEE MEETING

Date: 02.05.2011

The first Doctoral Committee meeting for the Ph.D Research Scholar **S.VIVEKA (Reg No: 11130932013)** has been conducted on 02.05.2011 at 4.30 PM at K.S.Rangasamy College of Technology, Tiruchengode. The following Doctoral Committee members were present.

| Supervisor cum Chairperson  | DC Member  | DC Member  |
|---|--|--|
| <b>Dr.B.Kalaavathi,</b><br>Professor, Department of IT,<br>K.S.Rangasamy College of<br>Technology, KSR Kalvi Nagar,<br>Tiruchengode - 637215. | <b>Dr.C.Venkatesh,</b><br>Professor & Dean of Engg.,<br>Erode Builder Educational Trusts<br>Group of Institutions, EBET<br>Knowledge Park, Erode Road,<br>Kangeyam, Tirupur – 638 108. | <b>Dr.V.Murali Baskaran,</b><br>Principal & Professor of CSE,<br>Paavai College of<br>Engineering,<br>Pachal,<br>Namakkal – 637 018. |

After carefully scrutinizing the research presentation by the research scholar, the following subjects are suggested for the course work by the Doctoral Committee. The Course works are selected from the Autonomous Syllabus of K.S.Rangasamy College of Technology, Tiruchengode, as required by Clause 13.1.3 of the Ph.D Regulations 2010 of Anna University of Technology, Coimbatore.

| S.No | Nature of Course Work | Syllabus Taken From                                    | Course                                       |
|------|-----------------------|--|--|
| 1.   | Direct Study          | Faculty Of Engineering And Management Studies          | Research Methodology                         |
| 2.   | Direct Study          | M.E - Computer Science & Engineering (Regulation 2010) | 10 PCS103 Advanced Database Technology       |
| 3.   | Direct Study          | M.TECH - Information Technology (Regulation 2010)      | 10 PIT E15 Data Warehousing And Data Mining  |
| 4.   | Direct Study          | M.TECH - Information Technology (Regulation 2010)      | 10 PIT 205 Principles of Distributed Systems |

Making recommendations to the University for confirming the provisional registration of research programme.

*[Signature]*  
2/5/11

Dr.C.Venkatesh  
(DC Member)

*[Signature]*  
2/5/11

Dr. V.Murali Baskaran  
(DC Member)

*[Signature]*  
2/5/11

Dr.B.Kalaavathi  
(Supervisor cum Chairperson)

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TIRUCHENGODE-637 215,  
NAMAKKAL Dt. TAMIL NADU.



ANNA UNIVERSITY, CHENNAI - 600 025  
CENTRE FOR RESEARCH



Ph.D. / M.S. / M.Tech (By Research) - Synopsis / Thesis Registration details

Registration No. : 71160632029

|                                    |  |
|------------------------------------|--|
| Ph.D./M.S / M.Tech                 | Ph.D.  |
| Region                             | AUT-COIMBATORE   |
| Registration No                    | 71160632029  |
| Date of Registration               | Session: JUL Year: 2011  |
| Name of the Scholar                | Mohanapriya N  |
| Gender                             | Female   |
| Date of Birth                      | 02.05.1983   |
| Nationality                        | Indian   |
| Community                          | BC   |
| Email                              | mohananatesan@gmail.com  |
| Mobile Number                      | 9487087799   |
| Faculty                            | Information and Communication Engineering  |
| Category                           | Part-Time  |
| Title of the Synopsis              | CLASSIFICATION OF LUNG TUMOR USING DEEP LEARNING WITH HYBRID PARTICLE SWARM OPTIMIZATION BASED IMAGE ENHANCEMENT TECHNIQUE |
| Broad area of research / Key words | Classification, Tumor, Medical Image, Enhancement, Optimization  |
| Special Character in the Title     | no   |
| Name of the Supervisor             | Dr. Kalaavathi B   |
| Designation                        | Professor  |
| Department                         | Department of Computer Science and Engineering   |

  
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NAMAKKAL Dt. TAMIL NADU.

**Ph.D. / M.S. / M.Tech (By Research) - Synopsis / Thesis Registration details**

**Registration No. : 71160632029**

**Address** K.S.R Institute for Engineering and Technology Tiruchengode  
Namakkal - 637 215

**Mobile** 9442540803

**Email** kalabhuvanesh@yahoo.com

**Joint Supervisor** Not Applicable

**Date of DC meeting for approval of Synopsis** 28.12.2017

**Title of the seminar :** Detection and Classification Approaches for Lung Tumors **Date of the seminar :** 03.11.2017

**National / International Journal publications:**

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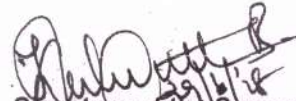
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Date: 28-06-2018 14:56:24

Signature of the scholar

N. MOHANAPRIYA

  
Signature of the Supervisor  
( Name with 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.

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



Dr. B. KALAAVATHI

27.02.2013

Professor & Head / CSE

To

The Director - Research,  
Regional Center - Anna University, Chennai,  
Coimbatore.

Respected Sir/Madam,

**Sub:** Ph.D. Programme - First Doctoral Meeting Minutes (Revised) for  
**Mrs. M. DHIPA (Reg No: 11210532005 – AUT, CBE) - reg**

Mrs. M. DHIPA registered Ph.D as a Part-Time (External) candidate in January 2012(AUT, CBE). The first doctoral meeting was conducted on 26/04/2012 and the doctoral committee members recommended the following course work.

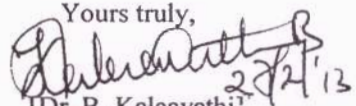
| S.No | Course Code | Course title                      | Regular/ Self Study (Elective) |
|------|-------------|-----------------------------------|--------------------------------|
| 1    | CS9251      | Mobile Computing                  | Regular                        |
| 2    | CS9263      | Ad-hoc Networks                   | Regular                        |
| 3    | CS9259      | Network Security                  | Self Study                     |
| 4    | FI1925      | Next Generation Wireless Networks | Self Study                     |

The courses offered to the PG students are not aligned with requirements of the course work decided in first DC meeting. So the revised DC meeting was conducted on 27/02/2013 and the mode of study (Regular/Self Study) of the course work was changed as follows.

**CS9259 - Network Security (Self Study)**  
changes to  
**CS9224 - Information Security (Regular mode)**

In this regard, the above changes have been recommended in the course work approved by the Doctoral Committee Members. I am enclosing the revised first doctoral committee meeting minutes for your kind perusal. This may kindly be approved and considered for providing mark statements and further process.

Thanking You

Yours truly,  
  
[Dr. B. Kalaavathi]  
(Supervisor)

Encl: 1. Minutes of the First Doctoral Committee Meeting (Revised)  
2. Syllabus – CS9224 – Information Security

  
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**Dr. B. KALAAVATHI** B.E., M.Tech., Ph.D.,  
**PROFESSOR & HEAD**  
Dept. of Computer Science & Engineering,  
K S R INSTITUTE FOR  
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**ANNA UNIVERSITY OF TECHNOLOGY, COIMBATORE**  
**COIMBATORE - 641 047.**

**CENTRE FOR RESEARCH**

**Academic Campus**  
**Jothipuram - Post**  
**Coimbatore - 641047**

**Dr.P.RENUKA DEVI, Ph.D.**  
**DIRECTOR (i/c)**

**Ref.No:AUTCBE/CR/CR1/DCO/11130631026/1303/Lr.No.002/2011**

**DATE : 18-04-2011**

To

Dr. B. Kalaavathi  
Professor, Dept. of Information Technology  
K.S.Rangasamy College of Technology  
KSR Kalvi Nagar,  
Tiruchengode  
Namakkal - 637 215

Sub.: Ph.D. Programme - **Mr./Ms. PRABU RAGAVENDIRAN.S.D Research** Scholar - Constitution of Doctoral Committee  
- Orders -Issued.

**Mr./Ms. PRABU RAGAVENDIRAN.S.D**, has been granted Provisional Ph.D. Registration in the **faculty of Computer Science and Engineering** under your guidance. Accordingly a Doctoral Committee has been constituted comprising of the following members for the above research scholar as required by Clause 12 of the Ph.D. Regulations.

| Sl No. | Name of the Supervisor / Member  | Designation |
|--------|--|-------------|
| 1.     | Dr. B. Kalaavathi<br>Professor, Dept. of Information Technology<br>K.S.Rangasamy College of Technology<br>KSR Kalvi Nagar,<br>Tiruchengode     | Supervisor  |
| 2.     | Dr. K. R. Valluvan<br>Professor & Dean (IR),<br>Erode Builder Educational Trust's Group of Institutions<br>EBET Knowledge Park,<br>Erode Road, | Member      |
| 3.     | Dr. S. Selvarajan<br>Dean, Dept. of Computer Science and Engineering<br>Muthayammal Engineering College<br>Rasipuram<br>Namakkal - 637 408     | Member      |

The Doctoral Committee shall meet within 3 weeks from the date of receipt of this communication to prescribe the course work as per the annexure for the research scholar. The Committee shall function as per rules of the Ph.D. regulations. The Chairperson and all the members of the Doctoral Committee are eligible for Sitting Fee. Outside members are eligible for TA/Conveyance as per Anna University of Technology, Coimbatore TA rules.

The Convener shall convene the meeting of the Doctoral Committee and send the progress report periodically.

To

The Supervisor

Copy to:

All Members.

File.

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**TIRUCHENGODE-637 215,**  
**NAMAKKAL Dt, TAMIL NADU.**

**DIRECTOR - RESEARCH**  
**DIRECTOR - RESEARCH**  
Anna University of Technology, Coimbatore  
Mettupalayam Road, Jothipuram Post  
Coimbatore - 641 047.



**ANNA UNIVERSITY OF TECHNOLOGY, COIMBATORE**  
**COIMBATORE-641 047**

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**PROGRESS REPORT OF THE Ph.D. PROGRAMME**

*[To be submitted at the time of fees collection by all the candidates]*

- i. The progress reports shall be submitted by the candidate about the work carried out during the period of this report, (in about 300 words) duly signed by the candidate and countersigned by the Supervisor.
- ii. The Supervisor shall fill his/her part, sign it and get it countersigned, by the Head of the Department/Institution/Collaborative Research Centre / HOD of the place of employment.

**1. Particulars about the Candidate**

- a. Name : **A.UMAMAHESWARI**
- b. Registration No. : **71160632072**
- c. Name of the Department : **CSE**
- d. Designation : **Assistant Professor/CSE**
- (Where applicable)
- e. Institution where employed : **PAAVAI ENGINEERING COLLEGE**  
(if applicable) **NAMAKKAL**
- f. Period of the Report : **July 11- January 12**
- g. Contact Numbers : **9994952601**

**2. Registration Details**

- a. Category of Registration : Independent ☐ Internal ☐ External ☒
- b. Date of Provisional Registration With University. : **07-07-2011**

**3. Particulars of the Supervisor(s)**

- i. Supervisor
- a. Name : **Dr.B.KALAAVATHI**
- b. Designation : **Professor & Head/ Department of CSE**
- c. Institution(s) where employed : **K.S.R Institute for Engineering and Technology Tiruchengode.**
- ii. Co-Supervisor (if any)
- a. Name : **N.A**
- b. Designation :
- c. Institution(s) where employed :
4. Name of department/institution/ : **IT**

  
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Collaborative research centre

Where research is conducted

5. Area of work and tentative title : SECURITY IN ADHOC NETWORKS  
Of the proposed thesis

6. Details of progress:


a. Whether the candidate's report : Yes  
Enclosed

b. Whether papers have been : No  
Published? (If yes, furnish details)

c. Whether Seminars/Conferences : Yes  
Attended? (If yes, furnish details)

d. Whether completed the prescribed : No  
Course work. If Yes, how many?

Date: 20-01-2012

  
Signature of the candidate 20.01.2012

9. Remarks of the Supervisor :


a. Attendance : Satisfactory / Not-Satisfactory

b. Progress : Satisfactory / Not-Satisfactory

c. Expected time of completion : 4 years

10. Comments of the Supervisor on the Progress of : good  
Research Work done by the Candidate

Date: 20-01-2012

  
Signature of the Supervisor 20/1/12  
**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 Head of the Department  
/Institution/ Collaborative Research Centre

Place: Tiruchengode

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

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

Seal: **ENGINEERING AND TECHNOLOGY,**

**TIRUCHENGODE-637 215.**

Note: Only Completed Progress report will be considered.

  
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MINUTES OF THE DOCTORAL COMMITTEE MEETING FOR CONFIRMATION OF PROVISIONAL REGISTRATION

The Doctoral Committee Meeting of the Ph.D. Scholar, **Mr./Ms. Jeyakumar P (Reg.No. 18124697253/Part-Time)** was held on **14.12.19** at **14 A.M./P.M.** in the Department of **EEE**. The following members were present

**Dr. Jeyabharth R**  
Dr. S Thangavel  
Dr. V Indra Gandhi

**(Supervisor & Convener)**  
(Member)  
(Member)

Mr./Ms. Jeyakumar P has successfully completed the following course works recommended by the Doctoral Committee. He/She has obtained the following grades in the course works.

| Sl.No                       | Course Code | Course title             | Credits | Category | Grade / Marks |
|-----------------------------|-------------|--------------------------|---------|----------|---------------|
| 1                           | VL5101      | CMOS Digital VLSI Design | 3       | Core     | 7             |
| 2                           | VL5103      | Analog IC Design         | 4       | Core     | 7             |
| 3                           | VL5202      | Low power VLSI Design    | 3       | Core     | 6             |
| 4                           | VL5201      | Testing of VLSI Circuits | 3       | Core     | 8             |
| 5                           |             |                          |         |          |               |
| 6                           |             |                          |         |          |               |
| 7                           |             |                          |         |          |               |
| 8                           |             |                          |         |          |               |
|                             |             |                          |         | CGPA     | 7             |
| Comprehensive Examination : |             |                          |         |          | Pass / Fail * |

COE signed result sheet of the course works should be duly attested by the Supervisor with seal.

The scholar had completed the first seminar presentation 64 bit MAC unit using different adder circuit on 14.12.2019 to the faculty members and research scholars. The attendees list is enclosed herewith. The committee also evaluated the research work carried out by the scholar and satisfied / ~~not satisfied~~ with the performance of the scholar. Hence the Committee recommends / ~~not recommends~~ the confirmation of Provisional registration of the scholar in the Faculty of Information and Communication Engineering , and permits / ~~not permits~~ the scholar to proceed with his/her research work.

Member 14.12.2019  
(Signature with Name)

(S. THANGAVEL)

Supervisor  
(Signature with Name and Seal)

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

\* Strike off which is not applicable  
TIRUCHENGODE-637 215,

Member 14/12/19  
(Signature with Name)  
(V Indragandhi)

Joint Supervisor  
(Signature with Name and Seal)  
(If applicable)

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ANNA UNIVERSITY OF TECHNOLOGY, COIMBATORE  
Established by Government Order No. 42 of 2016 by the Government of Tamil Nadu

CENTRE FOR RESEARCH

Dr. RENUKA DEVI PH.D  
Director

Dr. RENUKA DEVI PH.D  
Director

Academic Campus,  
Jothipuram Post,  
Coimbatore - 641 047

Date: 27.04.2012

Sub: Anna University of Technology, Coimbatore - Ph.D. Programme - Provisional  
Registration - of Research Scholar - Confirmation - Orders issued

Ref: Minutes of Second Doctoral Committee meeting held on 16.03.2012 at  
K. S. Rangasamy Institute for Engineering and Technology.

.....

The Provisional Registration granted to Mr./Ms. Nazar Ali.A (Reg.No.71060421022) to do Ph.D  
programme in Anna University of Technology, Coimbatore is Confirmed with effect from 03.09.2010 and  
she is permitted to proceed with her Research Work further, as recommended by the Doctoral  
Committee constituted for this research scholar.

  
Director - Research

  
DIRECTOR - RESEARCH  
Anna University of Technology, Coimbatore  
Jothipuram Post, Coimbatore - 641 047


1. Supervisor

Dr. P. Jayakumar  
Professor  
Department of EEE  
K. S. Rangasamy Institute for Engineering and Technology  
Tiruchengode - 637 215

2. Post Exam Supervisor

Mr./Ms. Nazar Ali.A  
Assistant Professor  
Department of EEE  
Anna University of Technology, Coimbatore  
Jothipuram Post  
Coimbatore - 641 047

3. Fee

  
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