



# **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**

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# 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-rc

Academic Campus,  
Jothipuram Post,  
Coimbatore - 641 047

AUTCBE/CR/CR1/Confirmation/1301/Lr No. 003-1/2012

Date: 10.02.2012

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 09.11.2011 at  
K S Rangasamy College Of Technology, Tiruchengode-6370215  
\*\*\*\*\*

The Provisional Registration granted to **Mr./Ms. Indra Gandhi.V (Reg.No.71060422012)** to do  
Ph.D. Programme in Anna University of Technology, Coimbatore is **Confirmed** with effect from  
28.09.2010 and he/she is permitted to proceed with his/her Research Work further, as recommended by  
the Doctoral Committee constituted for this research scholar



*Dr. P. Renuka Devi*  
10/2/12  
for Director - Research

To ✓ Supervisor

**Dr. P. Veeha,**  
Professor,  
Department of EEE,  
KSR College of Technology,  
Tiruchengode-637 215

### 2. Part Time Research Scholar through the Supervisor

Mr./Ms. Indra Gandhi.V  
Assistant Professor,  
Department of EEE,  
Selvam College of Technology,  
Namakkal.

### 3. File

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

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[Mail](#) [Empty](#)[Feedback](#)**From:** DIRECTOR Research <cfr.annauniv@gmail.com> | [Add to Address bo](#)**To:** Raja Sekaran <raja7ksrct@gmail.com>, jeya\_psg@rediffmail.com**Subject:** Anna University – Thesis Scrutiny Report – Rectification – Reg.**Date:** Mon, 13 Apr 2015 18:30:57 IST**Note:** To help protect your privacy, images from this message have been k  
[What is this?](#)

Sir / Madam,

**Sub:** Anna University – Thesis Scrutiny Report – Rectification – Reg.**Name of the research** scholar:RAJASEKARAN C**Reg. No:**7076042144

I am to request you to inform your research scholar to collect the Scrutiny Report in respect of his/her thesis from Centre for Research, Anna University, Chennai, for necessary correction. Research scholar should produce the mail copy /Authentication letter from the Supervisor to this office to collect the scrutiny report and thesis. After carrying out all the corrections specified in the scrutiny report, three copies of the thesis should be submitted. Soft copies (in pdf format) of the modified thesis, abstracts in Tamil and English should be uploaded through the link "POST SCRUTINY THESIS SUBMISSION FORM" available in [cfr.annauniv.edu](#). The print out of the form alongwith the hard copies of the thesis should be submitted with the authentication of the supervisor within 15 days to take further action at this end.

The registration of the scholar is liable for cancellation, if the thesis is not submitted within the stipulated time after carrying out the corrections specified in the scrutiny report.

DIRECTOR (RESEARCH)

(Note: Please don't reply to this mail)

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





# ANNA UNIVERSITY COIMBATORE

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

**Excellence in Technical Education and Research**

**CENTRE FOR RESEARCH**

Prof.Dr.T.KANNADASAN, Ph.D.,  
DIRECTOR

Academic Campus  
Jothipuram post,  
Coimbatore - 641 047

Ref: **Lr.AUCBE/CFR/Ph.D./Admission/October-2009**

**08.01.2010**

Date :

**Dr.R.JEYABHARATHI,**  
PROFESSOR / EEE,  
K.S.RANGASAMY COLLEGE OF TECHNOLOGY,  
TIRUCHENGODE - 637215

Sir/Madam,

Sub: **Ph.D.Programme Provisional Registration Orders issued – Reg.**


I am directed to inform you that **Mr./Ms. Murugan.M** is permitted to register provisionally for Ph.D. Programme on **Part Time Internal** basis under the faculty of **Electrical and Electronics Engineering** in this University under your guidance in the October 2009 session.

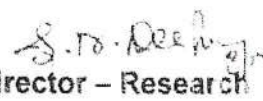
The 50% of the programme fee will be refunded if a candidate withdraws his/her admission within 30 days from the date of admission and there after the programme fee will not be refunded. The Caution deposit will be refunded in full subject to condition.

The Registration Number of the Research Scholar is **100960421009** and this registration number should be quoted for all future correspondence.

The research scholar will be governed by the rules and regulations of the Research Programme of this University.

Yours faithfully

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

  
for Director – Research

Copy to:

- 1.MR./MS. Murugan.M ASSISTANT PROFESSOR / EEE, K.S.RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE - 637215
- 2.The Principal K.S.Rangasamy College of Technology, Trichengode, Namakkal Dist- 637 215
- 3.File.



# 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 : Lr.001 AUTCBE/CFR/Ph.D./Admission/July-2010

Date : 03.09.2010

**Dr. B. Kalaavathi**

Professor,, informtion technology  
K.S.Rangasamy College of Technology,  
KSR Kalvi Nagar,  
Tiruchengode



Sir / Madam,

Sub : Ph.D. Programme Provisional Registration Orders issued - Reg.

I am directed to inform you that **Mr./Ms. VIMALADEVI.M** is permitted to register provisionally for Ph.D. Programme on Part Time Internal basis under the faculty of COMPUTER SCIENCE AND ENGINEERING in this University under your guidance in the July 2010 session.

The Registration Number of the Research Scholar is **71030622047** and quote this registration number for all future correspondence.

The research scholar will be governed by the regulations of the Programme of this University.

*hamed*

Director - Research

*h/3/9*

Copy to : ① Mr./Ms. VIMALADEVI.M, lecturer, Dept. of Computer Science and Engineering, , Velalar College of Engineering & Technology, Thindal, Erode - 638 009 ② The PRINCIPAL, Velalar College of Engineering & Technology, Thindal, Erode - 638 009 ③ File

*[Signature]*  
**PRINCIPAL**  
**K. S. R. INSTITUTE FOR**  
**ENGINEERING AND TECHNOLOGY**  
**K. S. R. KALVI NAGAR,**  
**TIRUCHENGODE-637 215,**  
**KAMARAKKAL DI. 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  
Jothipuram Post,  
Coimbatore - 641 047

AUTCBE/CR/CR1/Confirmation/1301/Lr.No. 0293 /2012

Date: 27.04.2012


Sir

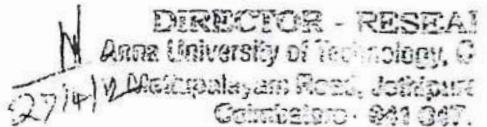
Sub: Anna University of Technology, Coimbatore - Ph.D. Programme - Provisional  
Registration - of Research Scholar - Confirmation - Orders issued.

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. Srinivasan.N (Reg.No.71030121005)** 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.

  
For Director - Research

  
27/4/12  
DIRECTOR - RESEARCH  
Anna University of Technology, Coimbatore  
Jothipuram Road, Jothipuram  
Coimbatore - 641 047.

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. Srinivasan.N  
Assistant Professor  
Department of Physics  
SSM College of Engineering  
Komarapalayam

3. File

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





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**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 : Lr.001 AUTCBE/CFR/Ph.D./Admission/July-2010

Date : 03.09.2010

**Dr. B. Kalaavathi**

Professor,, informtion technology  
K.S.Rangasamy College of Technology,  
KSR Kalvi Nagar,  
Tiruchengode



Sir / Madam,

Sub : Ph.D. Programme Provisonal Registration Orders issued - Reg.

I am directed to inform you that **Mr./Ms. THARIQ HUSSAN.M.** is permitted to register provisionally for Ph.D. Programme on Part Time Internal basis under the faculty of COMPUTER SCIENCE AND ENGINEERING in this University under your guidance in the July 2010 session.

The Registration Number of the Research Scholar is **71060621048** and quote this registration number for all future correspondence.

The research scholar will be governed by the regulations of the Programme of this University.

Director - Research

W/  
3/9

Copy to : 1. Mr./Ms. THARIQ HUSSAN.M.I, lecturer, Dept. of Computer Science and Engineering, CMS College of Engineering, Eranapuram Namakkal - 637 003

2. The PRINCIPAL, CMS College of Engineering, Eranapuram Namakkal - 637 003

3. File

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





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

**Dr. M. SARAVANAKUMAR, Ph.D.,**  
**Dean – Regional Office**

Procs.No:100930122012/1582/Ph.D

Date:18.03.2014

Sub: Ph.D. Programme – Provisional Registration of Ms. Malarkodi. P Confirmation  
– Orders – Issued.

Ref.: 1.Letter No. AUCBE/CFR/Ph.D/Admission/Oct – 2009 dated 07.01.2010. ✓

2. Minutes of the Doctoral Committee Meeting held on 25.01.2014. ✓

\*\*\*\*\*

The Provisional Registration granted to **Ms. Malarkodi. P** to do Ph.D. Programme in this University vide ref. (1) cited is confirmed. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the research scholar under the faculty of **Science and Humanities.**

*S. R. Deepa* 18/3/14  
Dean - Regional Office  
*S. R. Deepa* 18/3/14

To

Dr. J. C. Kannan  
Professor and Head  
Department of Physics  
KSR College for Engineering and Technology  
Tiruchengode – 637 215

Copy to:

1. Ms. Malarkodi. P Ph.D. research scholar, through the Supervisor

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



**ANNA UNIVERSITY  
REGIONAL CENTRE  
COIMBATORE**

**Dr. M. SARAVANAKUMAR, Ph.D**  
**REGIONAL DIRECTOR (i/c)**

**Phone (Off.) : 0422 - 2696767**  
**Fax No.: 0422 - 2693202**

**Procs.No.71160631065/CR4-125**

**Date: 26.09.2013**

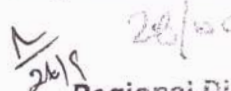
**Sub : Ph.D Programme – Provisional Registration of Mr. Vijender Kumar -  
Confirmation – Orders – Issued**


**Ref : 1. Lr.001 AUTCBE/CFR/Ph.D/Admission/July 2011, dt.07.07.2011**  
**2. Minutes of the Doctoral Committee Meeting held on 17.08.2013**

.....

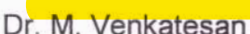
The Provisional registration granted to Mr. Vijender Kumar to do Ph.D Programme in this University vide ref.(1) cited is **confirmed**. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the research scholar under the **Faculty of Information and Communication Engineering**.

  
Regional Director i/c

  
Regional Director  
**Anna University**

  
Regional Centre, Coimbatore - 47

To

  
Dr. M. Venkatesan

Professor

Dept. of Computer Science and Engineering

K.S.R College of Engineering

Tiruchengode – 637 215

  
**PRINCIPAL,**

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

**Copy to : Mr. Vijender Kumar Ph.D Research Scholar**  
**through the Supervisor Dr. M. Venkatesan**

Phone: 0422-2696767, Fax: 0422-2693202, Email: rdcbe@annauniv.edu  
Jothipuram, Mettupalayam Road, Coimbatore-641 047



# ANNA UNIVERSITY OF TECHNOLOGY COIMBATORE

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

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## CENTRE FOR RESEARCH

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

Academic Campus  
Jothipuram Post,  
Coimbatore - 641 047

Ref.

Date :

Lr.001 AUTCBE/CFR/Ph.D./Admissions/January 2011

17.02.2011

**Dr. R. Jeyabharath** ✓

Professor, Electrical and Electronics Engineering  
K.S.Rangasamy College of Technology,  
KSR Kalvi Nagar,  
Tiruchengode.



Sir / Madam,

Sub : Ph.D. Programme Provisional Registration Orders issued - Reg.

I am directed to inform you that **Mr./Ms. RAVIVARMAN.S** is permitted to register provisionally for Ph.D. Programme on **Part Time** External basis under the faculty of **ELECTRICAL AND ELECTRONICS ENGINEERING** in this University under your guidance in the January 2011 session.

The Registration Number of the Research Scholar is **11160431024** and quote this registration number for all future correspondence.

The research scholar will be governed by the regulations of the Programme of this University.

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

**Director - Research**

Copy to 1. Mr./Ms. RAVIVARMAN.S, Assistant professor, K.S.Rangasamy College of Technology, KSR Kalvi Nagar, Tiruchengode Namakkal - 637 215.

2. The PRINCIPAL, K S Rangasamy College of Technology, KSR Kalvi Nagar, Tiruchengode, Namakkal - 637 215.

3. File





Dr. R. JAYAVEL  
DIRECTOR

CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone: +91-44-2225 1566/2225 1567  
Fax: +91-44-2225 1243  
Email: [centralresearch@annauniv.edu](mailto:centralresearch@annauniv.edu)  
<http://www.annauniv.edu>



Lr.No.20117401049/Ph.D./AR7

Date 18.04.2016

Sub: Ph.D. Programme -Mr./Ms.V.R.Velmurugan, Research Scholar - Confirmation - Orders  
- Issued

- Ref: 1. This Office.Lr.No.CR/Ph.D./Admn/JUL/2011 Dtd. 04.08.2011  
2. Letter Dtd. 13.04.2016 from Dr.R.Jeyabharath, Professor, Department of Electrical and Electronics Engineering, K.S.R.Institute for Engineering and Technology, Erode

\*\*\*\*

The Provisional registration granted to Mr./Ms.V.R.Velmurugan to pursue Ph.D. Programme in the University vide ref. 1<sup>st</sup> cited is confirmed. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the Research Scholar under the Faculty of Information and Communication Engineering.

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

DIRECTOR

To  
Dr.R.Jeyabharath  
Professor  
Department of Electrical and Electronics Engineering  
K.S.R.Institute for Engineering and Technology Tiruchengode  
Erode 637215

Copy to :

1. The Head, Department of Electrical and Electronics Engineering, KSR Institute for Engineering and Technology, Tiruchengode - 637 215
2. Mr./Ms.V.R.Velmurugan, Research Scholar through the Supervisor Dr.R.Jeyabharath.





ANNA UNIVERSITY  
REGIONAL CENTRE  
COIMBATORE

Dr. M.SARAVANAKUMAR, Ph.D  
REGIONAL DIRECTOR (i/c)

Phone (Off.) : 0422 - 2696767  
Fax No.: 0422 - 2693202

Procs.No. 11110431029/ 99/CR3/Ph.D

Date: 10.10.2013

Sub: Ph.D. Programme – Provisional Registration of Mr./ Ms. Saravanan M.S -  
Confirmation – Orders – Issued.

Ref.: 1. AUTCBE/CFR/Ph.D./Admissions/ January 2011, Date: 17.02.2011  
2. Minutes of the Doctoral Committee Meeting held on 29.08.2013

\*\*\*\*\*

The Provisional Registration granted to Mr./ Ms. Saravanan M.S to do Ph.D. Programme is this University vide ref. (1) cited is confirmed. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the research scholar under the faculty of **Electrical Engineering**.

To  
Dr.R.Jeyabharath  
Professor & Head  
Dept. of EEE  
KSR Institute of Engineering & Technology, Tiruchengode - 637 215

Regional Director i/c.  
Regional Director  
**Anna University**  
Regional Centre, Coimbatore - 47

Copy to:

Mr./ Ms. Saravanan M.S Ph.D. research scholar, through the Supervisor Dr.R. Jeyabharath

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

Phone: 0422-2696767, Fax: 0422-2693202, Email: rdcbe@annauniv.edu  
Jothipuram, Mettupalayam Road, Coimbatore-641 047





# 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**

Academic Campus  
Jothipuram post,  
Coimbatore - 641 047

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

Ref :

Date :

Lr.001 AUTCBE/CFR/Ph.D./Admission/July-2010

03.09.2010

**Dr. B. Kalaavathi**

Professor,, informtion technology  
K.S.Rangasamy College of Technology,  
KSR Kalvi Nagar,  
Tiruchengode



Sir / Madam,

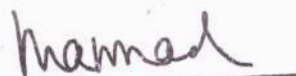
Sub : Ph.D. Programme Provisional Registration Orders issued - Reg.

I am directed to inform you that Mr./Ms. **POONGODI.S** is permitted to register provisionally for Ph.D. Programme on Part Time Internal basis under the faculty of ELECTRONICS AND COMMUNICATION ENGINEERING in this University under your guidance in the July 2010 session.

The Registration Number of the Research Scholar is **71060522020** and quote this registration number for all future correspondence.

The research scholar will be governed by the regulations of the Programme of this University.

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

  
Director - Research

Copy to : 1. Mr./Ms. POONGODI.S, lecturer, Dept. of Electronics and Communication Engineering, KSR College of Engineering,  
KSR Kalvi Nagar Tiruchengode Namakkal - 637 215

2. The PRINCIPAL, KSR College of Engineering, KSR Kalvi Nagar Tiruchengode Namakkal - 637 215

3. File





**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



Lr. No.71060422008/Ph.D./AR13

Date : 15.12.2016

To  
Dr. B. Kalaavathi  
Professor & Head  
Department of Computer Science and Engineering  
KSR Institute for Engineering & Technology  
Thiruchengode Namakkal 637215

Sir/Madam,

Sup : Ph.D. Programme – Ms.P S.Gomathi, research scholar – Change of Faculty - Reg.

Ref : 1. Lr.001 AUTCBE/CFR/Ph.D./Admission/July-2010 03.09.2010  
2. Recommendation of the Chairperson **Faculty of Electrical Engineering** and  
Chairperson **Faculty of Information and Communication Engineering** Anna  
University, Chennai - 600 025.

\*\*\*\*

With reference to the letter 2<sup>nd</sup> cited above, I am to inform that the Ph.D. provisional registration granted to **Ms.P S.Gomathi** research scholar under the **Faculty of Electrical Engineering** has been changed to **Faculty of Information and Communication Engineering**.

Yours faithfully

DIRECTOR

Copy to :

1. **Ms.P S.Gomathi**, Ph.D. research scholar through the Supervisor **Dr.B.Kalaavathi**.

15/12/16  
55/12/16

**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

Dr.USHA NATESAN  
DIRECTOR

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

Procs.No.11.160.9.3.2.001.../Ph.D./AR

Dated: 02.02.2013

Sub : Ph.D. Programme - Provisional Registration of Mr./Ms..... -  
Confirmation - Orders - Issued.

Ref : 1. Lr. 001/A.U.T.C.B.E. / C.F.R. / Ph.D. / Admissions / January 2011.  
2. Lr. Date: 12-7-2012, from Dr. B. Kalavathy, prof & Head,  
Dept of C.S.E., K.S.R. Institute for Engg. & Tech., Tiruchengode

\*\*\*\*

The Provisional registration granted to Mr./Ms. R. Chithra..... to  
do Ph.D. Programme in this University vide ref. (1) cited is confirmed. The research scholar is permitted  
to proceed further with the research work as recommended by the Doctoral Committee constituted for the  
research scholar under the faculty of Information and Communication Engineering.

*Usha Natesan*  
DIRECTOR

To  
Dr. B. Kalavathy,  
Professor and Head,  
Dept of C.S.E.,  
K.S.R. Institute for Engg.  
and Technology,  
Tiruchengode - 637 215.

Copy to :

1.

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

*[Signature]*  
16/2/13

2. Mr./Ms. R. Chithra..... Ph.D. research scholar, through the  
Supervisor Dr. B. Kalavathy.....



ANNA UNIVERSITY  
REGIONAL CENTRE  
COIMBATORE

Dr. M. SARAVANAKUMAR, Ph.D  
REGIONAL DIRECTOR (i/c)

Phone (Off.) : 0422 - 2696767  
Fax No.: 0422 - 2693202

Procs.No.71160631048/CR4-144

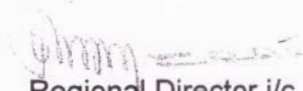
Date: 23.10.2013

Sub : Ph.D Programme – Provisional Registration of Mr. M. Sakthivel -  
Confirmation – Orders – Issued

Ref : 1. Lr.001 AUTCBE/CFR/Ph.D Admissions/July 2011, dt.07.07.2011  
2. Minutes of the Doctoral Committee Meeting held on 17.08.2013

.....

The Provisional registration granted to **Mr. M. Sakthivel** to do Ph.D Programme in this University vide ref.(1) cited is **confirmed**. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the research scholar under the **Faculty of Information and Communication Engineering**.

  
Regional Director i/c

To

**Dr. M. Venkatesan**  
**Professor, Dept. of Computer Science and Engineering**  
KSR College of Engineering, Tiruchengode – 637 215

  
Regional Director  
Anna University  
Regional Centre, Coimbatore - 4

Copy to : **Mr. M. Sakthivel Ph.D Research Scholar**  
**through the Supervisor Dr. M. Venkatesan**

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

Phone: 0422-2696767, Fax: 0422-2693202, Email: rdcbe@annauniv.edu  
Jothipuram, Mettupalayam Road, Coimbatore-641 047





**ANNA UNIVERSITY  
REGIONAL CENTRE  
COIMBATORE**

Dr. M. SARAVANAKUMAR, Ph.D  
REGIONAL DIRECTOR (i/c)

Phone (Off.) : 0422 - 2696767  
Fax No.: 0422 - 2693202

**Procs.No.71160631015/CR4-145**

**Date: 23.10.2013**

Sub : Ph.D Programme – Provisional Registration of Mr. Jayabalaji. K.A -  
Confirmation – Orders – Issued

Ref : 1. Lr.001 AUTCBE/CFR/Ph.D Admissions/July 2011, dt.07.07.2011  
2. Minutes of the Doctoral Committee Meeting held on 18.08.2013

.....

The Provisional registration granted to **Mr. K.A. Jayabalaji** to do Ph.D Programme in this University vide ref.(1) cited is **confirmed**. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the research scholar under the **Faculty of Information and Communication Engineering**.

*[Signature]*  
Regional Director i/c

To

**Dr. M. Venkatesan**

**Professor, Dept. of Computer Science and Engineering**  
KSR College of Engineering, Tiruchengode – 637 215

*[Signature]*  
23/10/13  
**Regional Director**  
**Anna University**  
**Regional Centre, Coimbatore - 4**

Copy to : **Mr. K.A. Jayabalaji Ph.D Research Scholar**  
through the Supervisor **Dr. M. Venkatesan**

*[Signature]*  
**PRINCIPAL.**  
**K. S. R. INSTITUTE FOR**  
**ENGINEERING AND TECHNOLOGY,**  
**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,  
Jothipuram Post,  
Coimbatore - 641 047

AUTCBE/CR/CR1/Confirmation/1301/Lr.No.00001/2012

Date: 28.03.2012

Sir,

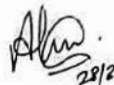
Sub: Anna University of Technology, Coimbatore - Ph.D., Programme - Provisional  
Registration - of Research Scholar - Confirmation - Orders issued.

Ref: Minutes of Second Doctoral committee meeting held on 03.03.2012 at  
KSR Institute for Engineering & Technology, Thiruchengode..

\*\*\*\*\*

The Provisional Registration granted to **Mr./Ms. Srihari.T (Reg.No.100960421022)** to do Ph.D.,  
Programme in Anna University of Technology, Coimbatore is **Confirmed** with effect from 08.01.2010 and  
he/she is permitted to proceed with his/her Research Work further, as recommended by the Doctoral  
Committee constituted for this research scholar.



  
28/3/12  
For Director - Research  
Anna University of Technology, Coimbatore  
Mettupalayan Road, Jothipuram Post  
Coimbatore - 641 047

To

1. Supervisor

**Dr.R.Jeyabharath,**  
professor/EEE,  
KSR Institute for Engineering & Technology,  
Thiruchengode-6370215

2/ Part Time Research Scholar through the Supervisor

**Mr./Ms. Srihari.T**  
Assistant Professor,  
Dept of EEE,  
CMS College of Engineering,  
Namakkal-637 003

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

3. File.



**ANNA UNIVERSITY  
REGIONAL CENTRE  
COIMBATORE**

Dr. M. SARAVANAKUMAR, Ph.D  
REGIONAL DIRECTOR (i/c)

Phone (Off.) : 0422 - 2696767  
Fax No.: 0422 - 2693202

Procs.No.71130632068/CR4-137

Date: 23.10.2013

Sub : Ph.D Programme – Provisional Registration of Ms. Sumathi. K -  
Confirmation – Orders – Issued

Ref : 1. Lr.001 AUTCBE/CFR/Ph.D/Admissions/July 2011, dt.07.07.2011  
2. Minutes of the Doctoral Committee Meeting held on 17.08.2013

The Provisional registration granted to Ms. Sumathi. K to do Ph.D Programme in this University vide ref.(1) cited is **confirmed**. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the research scholar under the **Faculty of Information and Communication Engineering**.

  
Regional Director i/c

23/10/13

  
Regional Director  
Anna University  
Regional Centre, Coimbatore - 47

To

Dr. M. Venkatesan

Principal

K.S.R Institute for Engineering and Technology

Tiruchengode – 637 215

Copy to : Ms. Sumathi. K Ph.D Research Scholar  
through the Supervisor Dr. M. Venkatesan

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

Phone: 0422-2696767, Fax: 0422-2693202, Email: rdcbe@annauniv.edu  
Jothipuram, Mettupalayam Road, Coimbatore-641 047



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

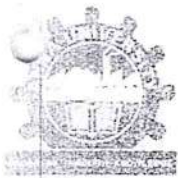
Dr. P. Jayakumar  
Professor  
Department of EEE  
K. S. Rangasamy Institute for Engineering and Technology  
Tiruchengode - 637 215

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

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



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

Dr. M. SARAVANAKUMAR, Ph.D.,  
Dean – Regional Office

Phone (Off): 0422 2696767  
Fax No.: 0422 2693202

**Procs.No : 71110532003/Ph.D/CR5/CFM/005**

**Date : 27.1.2014**

Sub : Ph.D.Programme - Provisional Registration of **Ms.Arulmurugaselvi.N** -  
Confirmation Orders - Issued.

Ref : (i) AUTCBE/CFR/Ph.D./Admissions/July 2011 dt 7.7.2011  
(ii) Minutes of the Doctoral Committee Meeting held on 17.12.2013

\*\*\*\*\*

The Provisional registration granted to **Ms.Arulmurugaselvi.N** to do Ph.D. Programme in this University vide ref (1) cited is confirmed. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the research scholar under the faculty of **Information and Communication Engineering**

To

**Dr.R.Jeyabharath**  
Professor & Head  
Department of Electrical & Electronics Engineering  
KSR Institute for Engineering & Technology  
Tiruchengode - 637 215

Dean – Regional Office

Anna University  
Regional Centre, Coimbatore

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

Copy to :

1. **Ms.Arulmurugaselvi.N** Ph.D. research scholar, through the supervisor **Dr.R.Jeyabharath**
2. File.





# 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 : Lr.001 AUTCBE/CFR/Ph.D./Admission/July-2010

Date : 02.09.2010

Dr. C. Kannan  
Professor & hod, dept. of physics  
KSR College of Engineering,  
KSR Kalvi Nagar  
Tiruchengode



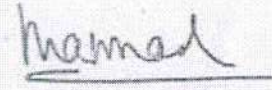
Sir / Madam,

Sub : Ph.D. Programme Provisional Registration Orders issued - Reg.

I am directed to inform you that Mr./Ms. SRITHAR A is permitted to register provisionally for Ph.D. Programme on Part Time Internal basis under the faculty of SCIENCE AND HUMANITIES - PHYSICS in this University under your guidance in the July 2010 session.

The Registration Number of the Research Scholar is 71070121006 and quote this registration number for all future correspondence.


The research scholar will be governed by the regulations of the Programme of this University.

  
Director - Research

Copy to : 1. Mr./Ms. SRITHAR A, lecturer, Dept. of Science and Humanities, The Kavery College of Engineering, Mecheri-Salem-636453.

2. The PRINCIPAL, The Kavery College of Engineering, Mecheri-Salem-636453.

3. File

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





ANNA UNIVERSITY - COIMBATORE  
(Established under Act No. 42 of 2000 by the Government of Tamil Nadu)  
Centre for Research in Technical Education  
CENTRE FOR RESEARCH

A. J. DEVI KANNADASAN, Ph.D.,  
DIRECTOR

Academic Campus  
Jothipuram post,  
Coimbatore - 641 047

Lr.AUCBE/CFR/Ph.D./Admission/October-2009

08.01.2010

Dr R. JEYABHARATHI,  
PROFESSOR / EEE,

K.S RANGASAMY COLLEGE OF TECHNOLOGY,  
TIRUCHENGODE - 637215

Sir/Madam,

Sub: Ph.D. Programme Provisional Registration Orders issued – Reg.

I am directed to inform you that **Mr./Ms. Murugesan.A** is permitted to register provisionally for Ph.D. Programme on **Part Time Internal** basis under the faculty of **Electrical and Electronics Engineering** in this University under your guidance in the October 2009 session.

The 50% of the programme fee will be refunded if a candidate withdraws his/her admission within 30 days from the date of admission and there after the programme fee will not be refunded. The Caution deposit will be refunded in full subject to condition.

The Registration Number of the Research Scholar is **100960421011** and this registration number should be quoted for all future correspondence.

The research scholar will be governed by the rules and regulations of the Research Programme of this University.

Yours faithfully

*S. R. Decha*  
For Director – Research

Copy to:

- 1.MR./MS. Murugesan.A Senior Lecturer & EEE CMS College of Engineering, CMS Nagar, Eranapuram Namakkal - 637003
- 2.The Principal CMS College of Engineering, Ernapuram, Namakkal - 637 003
- 3.File.

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



ANNA UNIVERSITY  
REGIONAL CENTRE  
COIMBATORE

Dr. M. SARAVANAKUMAR, Ph.D  
REGIONAL DIRECTOR (I/c)

Phone (Off.) : 0422 - 2696767  
Fax No.: 0422 - 2693202

Procs.No. 11260631053/CR4-129

Date: 01.10.2013

Sub : Ph.D Programme – Provisional Registration of Mr. A.V. Santhosh Babu -  
Confirmation – Orders – Issued

Ref : 1. Lr.001 AUTCBE/CFR/Ph.D/Admissions/January 2012 dt.18.01.2012  
2. Minutes of the Doctoral Committee Meeting held on 21.09.2013

The Provisional registration granted to Mr. A.V. Santhosh Babu to do Ph.D Programme in this University vide ref.(1) cited is confirmed. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the research scholar under the Faculty of Information and Communication Engineering.

Regional Director i/c

01/10/13

Regional Director  
Anna University  
Regional Centre, Coimbatore - 47

01/10/13

To

Dr. Meenakshi Devi  
Professor and Head

Dept. of Information Technology  
KSR Institute for Engineering and Technology  
Tiruchengode – 637 215

Copy to : Mr. A.V. Santhosh Babu M Ph.D Research Scholar  
through the Supervisor Dr. P. Meenakshi Devi

PRINCIPAL

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

Phone: 0422-2696767, Fax: 0422-2693202, Email: rdcbe@annauniv.edu  
Jothipuram, Mettupalayam Road, Coimbatore-641 047





ANNA UNIVERSITY  
REGIONAL CENTRE  
COIMBATORE

Dr. M. SARAVANAKUMAR, Ph.D  
REGIONAL DIRECTOR (i/c)

Phone (Off.) : 0422 - 2686767  
Fax No.: 0422 - 2693202

Procs.No.11260632009/CR4-149

Date: 31.10.2013

Sub: Ph.D Programme – Provisional Registration of Ms. Dhurgadevi.M -  
Confirmation – Orders – Issued

Ref: 1. Lr.001/AUCBE/CFR/Ph.D/Admissions/January 2012, dt.18.01.2012  
2. Minutes of the Doctoral Committee Meeting held on 23.09.2013

The Provisional registration granted to Ms. M. Dhurgadevi to do Ph.D Programme in this University vide ref.(1) cited is **confirmed**. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the research scholar under the **Faculty of Information and Communication Engineering**.

Regional Director i/c

Regional Director  
Anna University  
Regional Centre, Coimbatore - 47  
31/10

To

Dr. P. Meenakshi Devi  
Professor and Head  
Dept. of Information Technology  
KSR Institute for Engineering and Technology  
Tiruchengode – 637 215

Copy to: Ms. M. Dhurgadevi Ph.D Research Scholar  
through the Supervisor Dr. P. Meenakshi Devi

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

Phone: 0422-2696767, Fax: 0422-2693202, Email: rdcbe@annauniv.edu  
Jothipuram, Mettupalayam Road, Coimbatore-641 047





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

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

Phone (Off): 0422 2696767  
Fax No.: 0422 2693202

**Procs.No : 71110931008/Ph.D/CR5**

**Date : 25.11.2013**

Sub : Ph.D.Programme - Provisional Registration of **Mr.Senthil Kumar.A.M. -**  
Confirmation Orders - Issued.

Ref : (i) AUTCBE/CFR/Ph.D./Admissions/July 2011 dt 7.7.2011  
(ii) Minutes of the Doctoral Committee Meeting held on 17.8.2013

\*\*\*\*\*

The Provisional registration granted to **Mr.Senthil Kumar.A.M.** to do Ph.D. Programme in this University vide ref (1) cited is confirmed. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the research scholar under the faculty of **Information and Communication Engineering**

To

**Dr.M.Venkatesan**  
Principal  
K.S.R.Institute of Engineering and Technology  
K.S.R.Kalvi Nagar  
Tiruchengode - 637 215

  
Regional Director (i/c)  
  
Regional Director  
Anna University  
Regional Centre, Coimbatore - 47

Copy to :

1. **Mr.Senthil Kumar.A.M.** Ph.D. research scholar, through the supervisor **Dr.M.Venkatesan**
2. File.

Phone: 0422-2696767, Fax: 0422-2693202, Email: rdcbe@annauniv.edu  
Jothipuram, Mettupalayam Road, Coimbatore-641 047

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



**ANNA UNIVERSITY  
REGIONAL CENTRE  
COIMBATORE**

Dr. M. SARAVANAKUMAR, Ph.D  
Dean – Regional Office

Phone (Off.) : 0422 - 2696767  
Fax No.: 0422 - 2693202

Procs.No. 11210632040/CR4-296

Date: 04.08.2014

Sub : Ph.D Programme – Provisional Registration of Ms. S. Selvi -  
Confirmation – Orders – Issued

Ref : 1. Lr.001/AUTCBE/CFR/Ph.D/Admissions/January 2012, dt.18.01.2012  
2. Minutes of the Doctoral Committee Meeting held on 05.07.2014

The Provisional registration granted to **Ms. S. Selvi** to do Ph.D Programme in this University vide ref.(1) cited is **confirmed**. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the research scholar under the **Faculty of Information and Communication Engineering**.

To

**Dr. B. Kalaavathi**  
Professor and Head  
Dept. of CSE  
KSR Instt. for Engg. and Tech.  
Tiruchengode – 637 215

Dean – Regional Office

Dean,

Anna University

Regional Centre, Coimbatore-47

04/08/14

Copy to : Ms. S. Selvi Ph.D Research Scholar  
through the Supervisor Dr. B. Kalaavathi

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

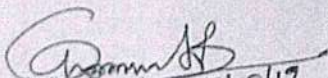
The following Members of the Oral Examination Board were present:

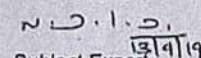
- |  |                 |
|--|-----------------|
| 1. Dr. C Christofer Asir Rajan, Professor, Department of Electrical and Electronics Engineering, Pondicherry Engineering College, Puducherry - 605 014.          | Indian Examiner |
| 2. Dr. N. Selvaganesan, Associate Professor and Head, Department of 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      |

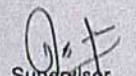
The research scholar, Mr./Ms. Gnana Vanitha.L S presented the salient features of his/her Ph.D. work. This was followed by questions from the board members. The questions raised by the Foreign and Indian Examiners were also put to the scholar. The scholar answered the questions to the full satisfaction 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 13.9.19

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

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





**ANNA UNIVERSITY  
REGIONAL CENTRE  
COIMBATORE**

**Dr. M. SARAVANAKUMAR, Ph.D**  
**REGIONAL DIRECTOR (i/c)**

**Phone (Off.) : 0422 - 2696767**  
**Fax No.: 0422 - 2693202**

**Procs.No. 11130631033/CR4-063**

**Date: 26.06.2013**

**Sub : Ph.D Programme – Provisional Registration of Mr. Selvaraju. P -  
Confirmation – Orders – Issued**

**Ref : 1. Lr.001/AUTCBE/CFR/Ph.D/Admissions/January 2011 dt.17.02.2011  
2. Minutes of the Doctoral Committee Meeting held on 10.06.2013**

\*\*\*\*\*

The Provisional registration granted to **Mr. P. Selvaraju** to do Ph.D Programme in this University vide ref.(1) cited is **confirmed**. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the research scholar under the **Faculty of Information and Communication Engineering**.

To

**Dr. B. Kalaavathi**

Professor and Head

Dept. of Computer Science and Engineering

KSR Instt. for Engineering and Technology

Tiruchengode – 637 215

Regional Director i/c

26/06/13

Regional Director

Anna University

Regional Centre, Coimbatore - 47

Copy to : **Mr. P. Selvaraju Ph.D Research Scholar**  
through the Supervisor **Dr. B. Kalaavathi**

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

Phone: 0422-2696767, Fax: 0422-2693202, Email: rdcbe@annauniv.edu  
Jothipuram, Mettupalayam Road, Coimbatore-641 047



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veena

## Anna University – Thesis Scrutiny Report – Rectification – Reg

Yahoo/inbox

**DIRECTOR Research** <cfr...> Mon, 21 Jan, 2019 at 3:06 pm  
**To: manoj kumar,**  
 veena\_gce@yahoo.co.in

Name of the research scholar : Manojkumar P

Reg. No : 11260431031

Sir / Madam,

I am to request you to inform your research scholar to collect the Scrutiny Report in respect of his/her thesis from Centre for Research, Anna University, Chennai, for necessary correction. Research scholar should produce the mail copy /Authentication letter from the Supervisor to this office to collect the scrutiny report and thesis. After carrying out all the corrections specified in the scrutiny report, three copies of the thesis should be submitted. Soft copies (in pdf format) of the modified thesis, abstracts in Tamil and English should be uploaded through the link: **POST SCRUTINY THESIS SUBMISSION FORM** available in [cfr.annauniv.edu](http://cfr.annauniv.edu) The print out of the form along with the hard copies of the thesis should be submitted with the authentication of the supervisor within 15 days to take further action at this end.

The registration of the scholar is liable for cancellation, if the thesis is not submitted within the stipulated time after carrying out the corrections specified in the scrutiny report.



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

Dr. USHA NATESAN  
DIRECTOR

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

Procs.No. 11160631022 / Ph.D.

Dated: / 02.2013

Sub : Ph.D. Programme - Provisional Registration of Mr./Ms. Muthu Sankal D -  
Confirmation - Orders - Issued.

Ref: 1. Lt. 001 AUTCRE / CFR / Ph.D / Admissions / Jan - 2011  
2. Minutes of second DC meeting held on 21/7/12

\*\*\*\*

The Provisional registration granted to Mr./Ms. Muthu Sankal D to  
do Ph.D. Programme in this University vide ref. (1) cited is confirmed. The research scholar is permitted  
to proceed further with the research work as recommended by the Doctoral Committee constituted for the  
research scholar under the faculty of Information and Communication Engineering.

*Ushayatisan*  
DIRECTOR

To Dr. B. Kalaavathi  
Professor, Dept of CSE  
KSR Institute for Engg & Tech.,  
Tiruchengode - 637 215

Copy to :

1.

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

2. Mr./Ms. Muthu Sankal D Ph.D. research scholar, through the  
Supervisor Dr. B. Kalaavathi

*KSJ*  
16/2/13

*[Signature]*  
16/2





**ANNA UNIVERSITY  
REGIONAL CENTRE  
COIMBATORE**

**Dr. M. SARAVANAKUMAR, Ph.D**  
**REGIONAL DIRECTOR (i/c)**

**Phone (Off.) : 0422 - 2696767**  
**Fax No.: 0422 - 2693202**

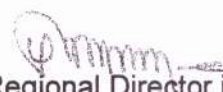
**Procs.No. 71160631053/CR4-186**

**Date: 05.12.2013**

**Sub : Ph.D Programme – Provisional Registration of Mr. Sivaprakash. S -  
Confirmation – Orders – Issued**

**Ref : 1. Lr.001/AUTCBE/CFR/Ph.D/Admissions/July 2011, dt.07.07.2011  
2. Minutes of the Doctoral Committee Meeting held on 18.08.2013**

The Provisional registration granted to **Mr. Sivaprakash. S** to do Ph.D Programme in this University vide ref.(1) cited is **confirmed**. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the research scholar under the **Faculty of Information and Communication Engineering**.

  
**Regional Director i/c**  
**Regional Director**  
**Anna University,**  
**Regional Centre, Coimbatore - 47**

To



**Dr. M. Venkatesan**

Principal

K.S.R.Institute for Engg. and Tech.,

Tiruchengode – 637 215

Copy to : Mr. Sivaprakash. S Ph.D Research Scholar  
through the Supervisor Dr. M. Venkatesan

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



# ANNA UNIVERSITY

## REGIONAL CENTRE, COIMBATORE

### COIMBATORE - 641 047

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

Phone (Off): 0422 2696767  
Fax No.: 0422 2693202

Procs.No : 11130932013/Ph.D/CR5

Date : 28.6.2013

Sub : Ph.D.Programme - Provisional Registration of **Ms. Viveka.S.**  
Confirmation Orders - Issued.

Ref : (i) AUTCBE/CFR/Ph.D/Admissions/January 2011 Dated : 17.02.2011  
(ii) Minutes of the Doctoral Committee Meeting held on 7.6.2013

\*\*\*\*\*

The Provisional registration granted to **Ms. Viveka.S.** to do Ph.D. Programme in this University vide ref (1) cited is confirmed. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the research scholar under the faculty of **Information and Communication Engineering**

To

**Dr.B.Kalaavathi**  
Professor & Head / CSE  
KSR Institute of Engineering & Technology  
Tiruchengode - 637 215

Copy to :

1. **Ms. Viveka.S.** Ph.D. research scholar, through the supervisor **Dr.B.Kalaavathi**

  
Regional Director i/c  
  
Regional Director  
Anna University  
Regional Centre, Coimbatore - 47

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

Phone: 0422-2696767, Fax: 0422-2693202, Email: rdcbe@annauniv.edu  
Jothipuram, Mettupalayam Road, Coimbatore-641 047



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

Academic Campus,  
Jothipuram-Post,  
Coimbatore - 641 047.

Ref : Lr.001 AUTCBE/CFR/Ph.D./Admissions/July 2011

Date : 07.07.2011

**Dr. B. KALAAVATHI**

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

Sir / Madam,


Sub : Ph.D. Programme Provisional Registration Order issued - Reg.

I am directed to inform you that **Mr./Ms. MOHANAPRIYA.N** is permitted to register provisionally for Ph.D. Programme on **Part Time External** basis under the faculty of **Information and Communication Engineering (CSE)** in this University under your guidance in the July 2011 session.

The Registration Number of the Research Scholar is **71160632029** and quote this registration number for all future correspondence.

The research scholar will be governed by the Regulations 2010 of the Programme of this University.

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

  
**for Director - Research**

- Copy to :
1. Mr./Ms. MOHANAPRIYA.N, LECTURER/ CSE, Vivekanandha College of Engineering for Women, Elayampalayam Tiruchengode 637 205
  2. The PRINCIPAL, Vivekanandha College of Engineering for Women, Elayampalayam Tiruchengode 637 205
  3. File



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

Dr. M. SARAVANAKUMAR, Ph.D.,  
Dean – Regional Office

Phone (Off): 0422 2696767  
Fax No.: 0422 2693202

Procs.No : **11210532005/Ph.D/CR5/CFM/078**

Date : 30.9.2014

Sub : Ph.D.Programme - Provisional Registration of **Ms.M.Dhipa -**  
Confirmation Orders - Issued.

Ref : (i) AUTCBE/CFR/Ph.D./Admissions/January 2011 dt 17.2.2011  
(ii) Minutes of the Doctoral Committee Meeting held on 5.8.2014

\*\*\*\*\*

The Provisional registration granted to **Ms.M.Dhipa** to do Ph.D. Programme in this University vide ref (1) cited is confirmed. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the research scholar under the faculty of **Information and Communication Engineering**

To

**Dr.B.Kalaavathi**  
Professor & Head  
Department of Computer Science & Engineering  
KSR Institute for Engineering & Technology  
Tiruchengode - 637 215




DEAN – REGIONAL OFFICE

30/9

Copy to :

1. **Ms.M.Dhipa** Ph.D. research scholar, through the supervisor **Dr.B.Kalaavathi**
2. File.

  
**PRINCIPAL,**  
**K. S. R. INSTITUTE FOR**  
**ENGINEERING AND TECHNOLOGY,**  
**K. S. R. KALVIN**  
**TIRUCHENGODE**  
**NAMAKKAL DT, TAMIL NADU**

Phone: 0422-2696767, Fax: 0422-2693202, Email: rdcbe@annauniv.edu  
Jothipuram, Mettupalayam Road, Coimbatore-641 047





**ANNA UNIVERSITY  
REGIONAL CENTRE  
COIMBATORE**

**Dr. M. SARAVANAKUMAR, Ph.D**  
**REGIONAL DIRECTOR (i/c)**

**Phone (Off.) : 0422 - 2696767**  
**Fax No.: 0422 - 2693202**

**Procs.No. 11130631026/CR4-003**


**Date: 16.05.2013**

**Sub : Ph.D Programme – Provisional Registration of Mr. Prabu Ragavendiran. S. D -  
Confirmation – Orders – Issued**

**Ref : 1. Lr.No.AUTCBE/CR/CR1/DCO/11130631026/1303/Lr.No.002/2011,  
dt.18.04.2011**  
**2. Minutes of the Doctoral Committee Meeting held on 21.03.2012**


.....

The Provisional registration granted to **Mr. S.D. Prabu Ragavendiran** to do Ph.D Programme in this University vide ref.(1) cited is **confirmed**. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the research scholar under the **faculty of Information and Communication Engineering**.

  
Regional Director i/c

**Regional Director**  
**Anna University**  
**Regional Centre, Coimbatore - 47**

To

 **Dr. B. Kalaavathi**  
**Professor and Head**

**Dept. of Computer Science and Engineering**  
**KSR Institute for Engineering and Technology**  
**Tiruchengode – 637 215**

Copy to :

**Mr. S.D. Prabu Ragavendiran, Ph.D Research Scholar,**  
**through the Supervisor Dr. B. Kalaavathi**

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

**Phone: 0422-2696767, Fax: 0422-2693202, Email: rdcbe@annauniv.edu**  
**Jothipuram, Mettupalayam Road, Coimbatore-641 047**



# 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,  
Jothipuram-Post,  
Coimbatore - 641 047.

Ref : Lr.001 AUTCBE/CFR/Ph.D./Admissions/July 2011

Date : 07.07.2011

**Dr. B. KALAAVATHI**

Professor, Dept. of Information Technology  
K.S.Rangasamy College of Technology,  
Tiruchengode  
Namakkal - 637 215


Sir / Madam,

Sub : Ph.D. Programme Provisional Registration Order issued - Reg.

I am directed to inform you that **Mr./Ms. UMAMAHESWARI.A** is permitted to register provisionally for Ph.D. Programme on **Part Time External** basis under the faculty of **Information and Communication Engineering (CSE)** in this University under your guidance in the July 2011 session.

The Registration Number of the Research Scholar is **71160632072** and quote this registration number for all future correspondence.

The research scholar will be governed by the Regulations 2010 of the Programme of this University.

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

  
07-07-11

**Director - Research**

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

- Copy to :
1. Mr./Ms. UMAMAHESWARI.A, Asst.Professor/ CSE, Paavai Engineering College, Paavai Nagar NH-7, Pachal - 637 018
  2. The PRINCIPAL, Paavai Engineering College, Paavai Nagar NH-7, Pachal - 637 018
  3. File





Dr. K.P. JAYA  
DIRECTOR

# CENTRE FOR RESEARCH

ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone: +91-44-2235 7360/2235 0361  
Fax: +91-44-2226 1213  
Email: [dirresearch@anna-univ.edu](mailto:dirresearch@anna-univ.edu)  
[dirresearch@gmail.com](mailto:dirresearch@gmail.com)



Lr.No.18124697253/Ph.D./AR15

Date: 22.01.2020

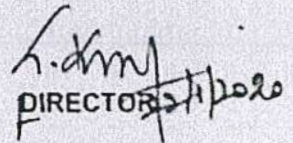
Sub : Ph.D. Programme – Mr./Ms. Jeyakumar P, Research Scholar – Confirmation - Orders - Issued.

Ref : 1. This Office.Lr.No.CR/Ph.D./Admn/JUL/2018 Dtd: 15.06.2018.

2. Letter Dtd: 09.01.2020 from Dr.R.Jeyabharth, Professor, Department of Electrical & Electronics Engineering, K S R Institute for Engineering and Technology, TiruchengodeNamakkal 637215

....

The Provisional registration granted to Mr/Ms. Jeyakumar P to pursue Ph.D. Programme in this University vide ref. 1<sup>st</sup> cited is confirmed. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the Research Scholar under the Faculty of Information and Communication Engineering.


  
DIRECTOR

To  
Dr.R Jeyabharth  
Professor  
Department of Electrical & Electronics Engineering  
K S R Institute for Engineering and Technology Tiruchengode  
Namakkal 637215

Copy to :

The Head/Director  
Department of Electrical & Electronics Engineering  
K S R Institute for Engineering and Technology Tiruchengode  
Namakkal 637215

Mr./Ms. Jeyakumar P, Research Scholar through the Supervisor Dr.R Jeyabharth

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