

2.4.2 Details of full time teachers with Ph.D. / D.M. / M.Ch. / D.N.B Super speciality / D.Sc. / D.Litt. during the year								
3.2.3 Details of teachers recognised as research guides								
3.4.2 Details of Ph.Ds registered per teacher (as per the data given w.r.t recognized Ph.D guides/ supervisors provided at 3.2.3 metric) during the year								
S.No	Name of full time teacher with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit.	Qualification (Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit. ) and Year of obtaining	Whether recognised as research Guide for Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit.	Year of Recognition as Research Guide	Is the teacher still serving the institution/If not last year of the service of Faculty to the Institution	Name of the scholar	Month and Year of registration of the scholar	Title of the thesis for scholar
1	Dr R ARRAVIND	Ph D and 2017	NO	NA	YES	NA	NA	NA
2	Dr. P. TAMILCHELVAN	Ph D and 2015	NO	NA	YES	NA	NA	NA
3	Dr. A VIVEKANANDHINI	Ph D and 2018	NO	NA	YES	NA	NA	NA
4	Dr.V.SUBBURAM	Ph D and 2018	NO	NA	YES	NA	NA	NA
5	Dr. R. AJAYKUMAR	Ph D and 2019	NO	NA	YES	NA	NA	NA
6	Dr.A.RUBAVATHY JAYAPRIYA	Ph D and 2017	NO	NA	YES	NA	NA	NA
7	Dr.A.SUPHALAKSHMI	Ph D and 2012	NO	NA	YES	NA	NA	NA
8	Dr.N.MAGENDIRAN	Ph D and 2018	NO	NA	YES	NA	NA	NA
9	Dr. A. T. STEPHEN THANGARAJ	Ph D and 2007	NO	NA	YES	NA	NA	NA
10	Dr.S.BALU	Ph D and 2019	NO	NA	YES	NA	NA	NA
11	Dr.V.PRIYA	Ph D and 2018	NO	NA	YES	NA	NA	NA
12	Dr.P.NANDHINI	Ph D and 2019	NO	NA	YES	NA	NA	NA
13	Dr.M.SUDHA	Ph D and 2020	NO	NA	YES	NA	NA	NA
14	Dr.S.VIJAYAKUMAR	Ph D and 2017	NO	NA	YES	NA	NA	NA
15	Dr.S.ELANGO	Ph D and 2019	NO	NA	YES	NA	NA	NA
16	Dr.N.ANGAYERKANNI	Ph D and 2016	NO	NA	YES	NA	NA	NA
17	Dr.T.LOGANAYAGI	Ph D and 2016	NO	NA	YES	NA	NA	NA
18	DR.PUSHPAVALLI	Ph D and 2017	NO	NA	YES	NA	NA	NA
19	Dr.L.PUNITHA	Ph D and 2021	NO	NA	YES	NA	NA	NA
20	Dr.R.MOHANAPRIYA	Ph D and 2020	NO	NA	YES	NA	NA	NA
21	Dr.B.MURALIBABU	Ph D and 2015	YES	2017	YES	NA	NA	NA
22	Dr.A.RATHINAM	Ph D and 2016	YES	2018	YES	NA	NA	NA
23	Dr.S.SURENDIRAN	Ph D and 2017	NO	NA	YES	NA	NA	NA
24	Dr.K.JAGATHEESAN	Ph D and 2017	YES	2017	YES	NA	NA	NA
25	Dr.S.THIRUNAVUKKARASU	Ph D and 2020	NO	NA	YES	NA	NA	NA
26	Dr.P.MUTHUSAMY	Ph D and 2018	NO	NA	YES	NA	NA	NA
27	Dr.G.MADASAMYRAJA	Ph D and 2017	NO	NA	YES	NA	NA	NA
28	Dr.P.THIYAGARAJAN	Ph D and 2020	NO	NA	YES	NA	NA	NA
29	Dr.D.R.P. RAJARATHNAM	Ph D and 2019	NIL	NA	YES	NA	NA	NA
30	Dr.R.T. AJAYKARTHIK	Ph D and 2019	NIL	NA	YES	NA	NA	NA
31	Dr.M.Premkumar	Ph D and 2013	NO	NA	YES	NA	NA	NA
32	Dr.K.SUNDARA MURTHY	Ph D and 2013	YES	2013	YES	Mr.N.Mahesh Kumar	Mar-21	SAG Performance and Environmental Lagging of Materials I Composite conductors
33	Dr.M.MAKESH	Ph D and 2019	NO	NA	YES	NA	NA	NA
34	Dr.M.S.VJAYANAND	Ph D and 2020	NO	NA	YES	NA	NA	NA
35	Dr.P.PUGALENTHI	Ph D and 2020	NO	NA	YES	NA	NA	NA
36	Dr.S.MANIRAJ	Ph D and 2021	NO	NA	YES	NA	NA	NA
37	Dr.S.T.KUMARAVEL	Ph D and 2021	NO	NA	YES	NA	NA	NA
38	Dr.G.SRINIVASAN	Ph D and 2019	NO	NA	YES	NA	NA	NA
39	Dr.PRAVEEN CUMAR	Ph D and 2018	NO	NA	YES	NA	NA	NA
40	Dr.K.MUTHAMIZHI	Ph D and 2015	NO	NA	YES	NA	NA	NA
41	DR.T.ARUN KUMAR	Ph D and 2017	NO	NA	YES	NA	NA	NA
42	Dr. CHITRA P	Ph D and 2014	NO	NA	YES	NA	NA	NA
43	Dr.G.BALAJI	Ph D and 2016	YES	2017	YES	S.Sathish	Jan-21	Renewable Energy
						M.Punitha	Jan-21	Renewable Energy

  
**PRINCIPAL**  
**PAVAI ENGINEERING COLLEGE**  
 #H.7 PACHAL Post, NAMAKKAL Dist



S.No	Name of full time teacher with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D' Lit.	Qualification (Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D' Lit. ) and Year of obtaining	Whether recognised as research Guide for Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D' Lit.	Year of Recognition as Research Guide	Is the teacher still serving the institution/If not last year of the service of Faculty to the Institution	Name of the scholar	Month and Year of registration of the scholar	Title of the thesis for scholar
44	Dr.K.K.Ramasamy	Ph.D and 2012	YES	2013	YES	Mr.P.Sethunathan	Jul-17	Experiental and Computational Analysis of Aerodynamic characteristics of Multiple Winglets at Low Subsonic Speed
45	Dr.T.ARUNA	Ph.D and 2011	YES	2013	YES	Cynthia anbuselvi	January, 2016	Energy efficiency analysis in cognitive radio networks using spectrum sensing
						Allwin Debaraj	June, 2016	Cluster based Cooperative spectrum sensing for cognitive radio networks
						Suresh chinnathambi	July, 2016	Design development of microstrip patch antenna and conventional power allocation policies for spectrum utilization in cognitive radio networks
						Esakki Rajavel	July, 2016	Performance analysis of energy efficient spectrum sensing techniques for cognitive radio networks
						Pandiselvi	January, 2016	Energy harvesting in cognitive radio networks
						KM. Allaudeen	Jnauary, 2017	A reconfigurable ultra low power network on chip for real time applications
46	Dr.J.PRAKASH ARUL JOSE	Ph.D and 2019	YES	Jul-05	YES	NA	Jul-19	NA
47	Dr.D.BANUMATHY	Ph.D and 2018	NO	No	YES	NA	NA	NA
48	Dr.S.PRADEEP GNANAM	Ph.D and 2014	NO	No	YES	NA	NA	NA
49	Dr.S.SUMATHI	Ph.D and 2010	NO	No	YES	NA	NA	NA
50	Dr.G.RAJA	Ph.D and 2015	YES	2016	YES	N.Vijayanand	Jan-17	Adsorption of As(V)by Chitosan
						R.Gayathri	Jan-17	Design & Fabr of Dye synthesised solar cells
51	Dr.D.RAJAMANICAM	Ph.D and 2015	YES	2016	YES	NA	NA	NA
52	Dr.N.GEETHA	Ph.D and 2017	NO	NA	YES	NA	NA	NA
53	Dr.K.GOPI	Ph.D and 2011	NO	NA	YES	NA	NA	NA
54	Dr.N.DHANAPAL	Ph.D and 2018	NO	NA	YES	NA	NA	NA
55	Dr.S.VADIVEL	Ph.D and 2016	YES	2016	YES	Rathinavel S	Jul-17	The studies of clad removed fibre optic gas sensor
						Divya P	Jan-21	Investigations on manganese oxide nano composites for energy storage applications
						Kiruthiga A	Jul-21	Investigation of structural and magnetic property of ZnO and Mo,Cr doped ZnO nanostructures for gas sensor
56	Dr.P.ROSAIAH	Ph.D and 2014	YES	2020	YES	NA	NA	NA


PRINCIPAL  
 PAAVAI ENGINEERING COLLEGE  
 H-7, PACHAL Post, NAMAKKAL Dist.

  
**PRINCIPAL**  
**PAAVAI ENGINEERING COLLEGE**  
**H-7 PACHAL Post, NAMAKKAL Dist.**



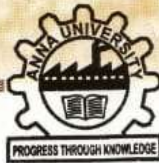
S.No	Name of full time teacher with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D <sup>o</sup> Lit.	Qualification (Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D <sup>o</sup> Lit. ) and Year of obtaining	Whether recognised as research Guide for Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D <sup>o</sup> Lit.	Year of Recognition as Research Guide	Is the teacher still serving the institution/If not last year of the service of Faculty to the Institution	Name of the scholar	Month and Year of registration of the scholar	Title of the thesis for scholar
57	Dr.P.KARTHIKAYAN	Ph.D and 2020	NO	NA	YES	NA	NA	NA
58	Dr. P. JAYAKUMAR	Ph.D and 2016	NO	NA	YES	NA	NA	NA
59	Dr. B. KISHOKKUMAR	Ph.D and 2015	NO	NA	YES	NA	NA	NA
60	Dr. M. SATHISH KUMAR	Ph.D and 2019	NO	NA	YES	NA	NA	NA
61	Dr. K. SUBASHINI	Ph.D and 2021	NO	NA	YES	NA	NA	NA
62	Dr. R. KASTHURI BAI	Ph.D and 2001	NO	NA	YES	NA	NA	NA
63	Dr. R. SHANTHI	Ph.D and 2014	NO	NA	YES	NA	NA	NA



  
 PRINCIPAL  
**PAAVAI ENGINEERING COLLEGE**  
 NH-7, PACHAL Post, NAMAKKAL Dis



# Anna University

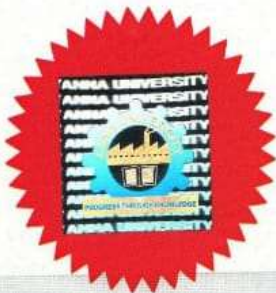


Reg. No: 71060321004/RG

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

*Title of the thesis:*

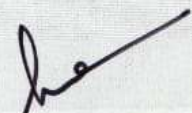
**EXPERIMENTAL INVESTIGATION ON MECHANICAL AND TRIBOLOGICAL BEHAVIOUR OF Al6061-Al<sub>2</sub>O<sub>3</sub>-Gr HYBRID COMPOSITE**



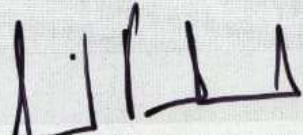
*Given under the Seal of the University*

Chennai 600 025  
India  
May 2017

NAR012201

  
Controller of Examinations  
ARRAVIND R

  
Registrar

  
Chairman, Convener Committee  
Vice-Chancellor  
ESC00044EN05ASRABR0CE0ACT480709



No. 100062



அண்ணாமலைப் பல்கலைக்கழகம்

ANNAMALAI UNIVERSITY



பொறியியற்புலம்  
FACULTY OF ENGINEERING & TECHNOLOGY

ஏப்ரல், 2015 இல்

உருவாக்கப் பொறியியல்

பிரிவில் நடத்திய தேர்வுகளில்

தமிழ்ச்செல்வன் ப

தேர்ச்சியடைந்து ஆய்வேட்டை மதிப்பிட முறையாக அமைக்கப்பெற்ற தேர்வுக்குழுவினர் சான்றளித்தபடி,

ஆய்வியல் அறிஞர்

பட்டம் பெறுவதற்கு உரியவர் ஆகின்றார்

என அண்ணாமலைப் பல்கலைக்கழக ஆட்சிக் குழு இதன்வழி அறிவிக்கின்றது.

The Syndicate of the **ANNAMALAI UNIVERSITY** hereby makes known that **TAMILCHELVAN P** has been admitted to the Degree of **DOCTOR OF PHILOSOPHY in MANUFACTURING ENGINEERING**, he/she having been certified by duly appointed Board of Examiners who valued his/her thesis to be qualified to receive the same in **APRIL, 2015**.

*TITLE OF THE THESIS*

**INVESTIGATIONS ON WELDZONE AND STRENGTH CHARACTERISTICS ON EXPLOSIVE CLADDED TITAN I2/SS 304 L PLATES.**

பல்கலைக்கழக முத்திரை பெறுகின்றது  
Given under the seal of the University



அண்ணாமலைநகர்  
Annamalainagar

நாள்:

*Dr. K. Arunugam*  
Dr. K. Arunugam

பதிவாளர் (பொறுப்பு)

*Dr. S. Manian*  
Dr. S. Manian

குணன வேந்தர்



Sl.No.: 0011568



**TAMIL NADU AGRICULTURAL UNIVERSITY  
COIMBATORE**

On the recommendation of the  
Academic Council and the Board of Management  
hereby admits

VIVEKANANDHINI, A.  
[ ID No.: 2015800213 ]  
to the degree of  
Doctor of Philosophy  
in AGRONOMY  
(Faculty of Agriculture)




he / she having qualified to receive the same  
securing an Overall Grade Point Average  
of 8.77 out of 10.00 in the year 2018  
together with all the honours and distinctions belonging  
to this degree given under the seal of the University



COIMBATORE  
Date: 25.10.2019



  
N. KUMAR  
Vice Chancellor



# Anna University



Reg.No.10860321081/RC

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

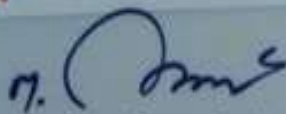
*Title of the Thesis:*

**SOME STUDIES ON ELECTROCHEMICAL MICROMACHINING OF ALLOYS AND COMPOSITES**

*Given under the seal of the University*



Chemical 000025  
India  
December 2018

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor





Sl.No.: 0011560

# TAMIL NADU AGRICULTURAL UNIVERSITY COIMBATORE

On the recommendation of the  
Academic Council and the Board of Management  
hereby admits

AJAYKUMAR, R.

[ ID No.: 2015800210 ]

to the degree of

Doctor of Philosophy

in AGRONOMY

(Faculty of Agriculture)



he / she having qualified to receive the same  
securing an Overall Grade Point Average  
of 8.95 out of 10.00 in the year 2019  
together with all the honours and distinctions belonging  
to this degree given under the seal of the University



COIMBATORE  
Date : 25.10.2019



  
N. KUMAR  
Vice Chancellor



.....அறிவியல்..... புலம்  
**FACULTY OF .....SCIENCE.....**

\_\_\_\_\_ 2017 \_\_\_\_\_ ஆம் ஆண்டில் சென்னைப் பல்கலைக்கழகத்தில் ஆய்வு நிகழ்த்தி  
வழங்கிய ஆய்வேட்டுக்காக முனைவர் பட்டம் பெறத் தகுதியுடையவர் என்று தக்க  
தேர்வாளர்களால் சான்றளிக்கப்பட்டு \_\_\_\_\_ ரூபவதி ஜெயப்ரியா அ  
என்பவருக்கு முனைவர் பட்டம் அளிக்கப்படுகிறது என்று சென்னைப் பல்கலைக்கழகப் பேரவை  
அறிவிக்கிறது.

சென்னைப் பல்கலைக்கழக இலச்சினையுடன், சென்னையில் \_\_\_\_\_ 2018 \_\_\_\_\_ ஆம் ஆண்டு  
\_\_\_\_\_ மே \_\_\_\_\_ திங்கள் \_\_\_\_\_ 5 \_\_\_\_\_ ஆம் நாள் அளிக்கப்பட்டது.

*The Senate of the University of Madras hereby makes known that  
RUBAVATHY JAYA PRIYA A \_\_\_\_\_ has been conferred the*

### DEGREE OF DOCTOR OF PHILOSOPHY

*he/she having been certified by duly appointed examiners to be qualified to  
receive the same in the year \_\_\_\_\_ 2017 \_\_\_\_\_.*

*Given under the seal of the University of Madras, at Chennai this  
\_\_\_\_\_ 5<sup>th</sup> \_\_\_\_\_ day of \_\_\_\_\_ May 2018 \_\_\_\_\_.*

*Title of the Thesis :* "DENDRIMER AND THIOL FUNCTIONALIZED MWCNT  
NANOHYBRIDS AND SURFACTANT STABILIZED METAL  
ஆய்வுத் தலைப்பு : NANOPARTICLES FOR BIOLOGICAL AND CATALYSIS  
APPLICATIONS" (Chemistry-Physical Chemistry)

Ph.D. Degree has been awarded in accordance with the minimum standards and procedure of the regulations of the University Grants Commission 2009.

*L. S. P. S. S.*  
பதிவாளர்  
Registrar



*P. D. S. S.*  
துணை வேந்தர்  
Vice-Chancellor





Reg. No..2007439222/RG

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


Title of the thesis:

**TRACKING AND QUANTIFICATION OF LEFT VENTRICLE BORDERS IN ECHOCARDIOGRAPHIC IMAGES WITH IMPROVED SEGMENTATION TECHNIQUES**

Given under the Seal of the University



Chennai 600 025  
India  
January 2012  
11AR014054

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor



# Anna University



Reg.No.11160631019/RG



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

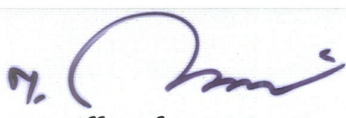
*Title of the Thesis:*

**EFFICIENT CLUSTERING TECHNIQUE FOR FEATURE SELECTION IN CANCER GENE DATA**

*Given under the seal of the University*



Chennai 600025  
India  
December 2018  
PAR014375

  
Controller of Examinations  
MAGENDIRAN N

  
Registrar

  
Vice-Chancellor  
4AB4D7FA4485743E21A0045F55E7E



Registration No. 17014/04

# Magadh University



This is to Certify that *Stephen Thangaraj T.*  
who having submitted his/her research thesis on *"Business Intelligence  
Through DATA MINING and Decision Making Database  
Housing and Data Mining Issues in SAP Businessware Housing"*  
for the degree of Doctor of Philosophy for examination in the faculty  
of *Computer Science & Engineering* held in the month  
of *July 2007* was admitted this day to the degree.

MAGADH UNIVERSITY, BODH-GAYA

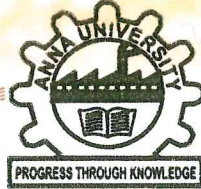
Date: 11 JUL 2007

*Binudra Nath Landas*

Vice-Chancellor



# Anna University



Reg.No.11160631006/RG

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

*Title of the Thesis:*

**SECURE AND EFFECTUAL DATA TRANSMISSION IN VIDEO STEGANOGRAPHIC SYSTEM USING FRAME SELECTION TECHNIQUES**

*Given under the seal of the University*



Chennai 600025  
India  
December 2019  
QAR014329

  
Controller of Examinations  
BALU S

  
Registrar

  
Vice-Chancellor  
DCBE20047962615727011AAS18062



# Anna University



Reg.No.71160632037/RG



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

*Title of the Thesis:*

**LOAD BALANCING AND VIRTUALIZED DISTRIBUTED DATA MINING TECHNIQUES FOR EFFICIENT FILE SHARING IN MULTIPLE CLOUD SERVERS**

*Given under the seal of the University*



Channel 600025  
Indis  
June 2018

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor



**Vinayaka Mission's Research Foundation**  
(Deemed To Be University)  
Formerly Vinayaka Missions University  
( Declared under section 3 of the UGC Act, 1956 )



**FACULTY OF ENGINEERING AND TECHNOLOGY**

*The Board of Management of the*

**Vinayaka Mission's Research Foundation**

*hereby makes known that*

**NANDHINI.P**

*has been admitted to the Degree of*

***Doctor of Philosophy in Computer Science and Engineering – Part Time***

*having been certified by duly appointed Examiners*

*to have qualified to receive the same in the year 2019 the thesis entitled*

*Patient Dependent Density Normalization Technique  
in Digital Mammogram*

*Viva-Voce Examination held on 19-02-2019*

**Given under the seal of the University**



Salem,07-07-2019

*C. Prabhakarathi*  
Controller of Examinations

*B. Jayaram*  
Registrar

*[Signature]*  
Vice-Chancellor



# Anna University



Reg.No. 11160532038/RG

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

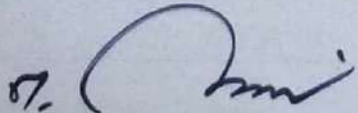
*Title of the Thesis:*

**ROUTING OPTIMIZATION IN MOBILE WIRELESS SENSOR NETWORKS USING SOFT COMPUTING TECHNIQUES**

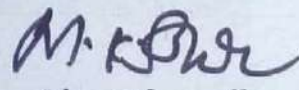


*Given under the Seal of the University*

Chennai 600 025  
India  
March 2021  
RABR14115

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

648542960K100511000K120200000



# Anna University



Reg.No.7076052119/RG

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

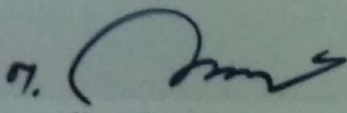
Title of the Thesis:

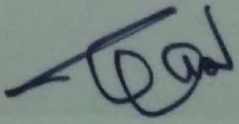
**CERTAIN INVESTIGATION ON FPGA ROUTING ALGORITHM FOR REDUCTION OF POWER AND DELAY**

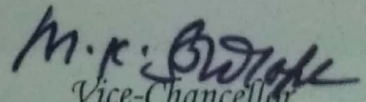
Given under the seal of the University



Chennai 600025  
India  
June 2018

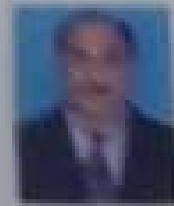
  
Controller of Examinations  
VIJAYAKUMAR S

  
Registrar

  
Vice-Chancellor



# Anna University



Reg. No. 210002000000000

The Syndicate of the Anna University hereby order that **ELANGO S** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the Faculty of Information and Communication Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2018. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2008".

*Title of the Thesis*

**A PRECISE ECG FEATURE EXTRACTION METHOD FOR IDENTIFYING MULTIPLE CARDIAC DISEASE PREDICTION MODELS**

Given under the seal of the University



Control 00001  
India  
December 2018

Controller of Examinations

Reviewer

Reviewer

**பெரியார்  
மணியம்மை  
பல்கலைக்கழகம்**  
புதிர் எட்டம், 1076-0314, 3-ம் திட்டு திருவாரூர்  
தேர்வுத் தர அறிவிப்பு செய்தல்  
புதிர் சிந்தனை • புதிர் கலை • புதிர் கலை



**PERIYAR  
MANIAMMAI  
UNIVERSITY**  
Funder Sec. 3 of UGC Act, 1956 - NAAC Accredited  
think • innovate • transform



பெரியார் மணியம்மை பல்கலைக்கழக ஆளுகைக்குழு, அங்கயற்கண்ணி ந. என்பவர், டிசம்பர் 2016-ஆம் ஆண்டு மின்னணுவியல் மற்றும் தொடர்பியல் பொறியியல் துறையில் முனைவர் பட்டத்திற்கு தகுதி பெற்றவர் என்று முறையாக அமைக்கப்பெற்ற தேர்வாளர்கள் சான்றளித்தபடி, முனைவர் பட்டத்தை பல்கலைக்கழக இலச்சினையுடன் வழங்குகிறது.

**The Board of Management of Periyar Maniammai University** hereby makes known that **Angayarkanni N.** has been conferred with the degree of **DOCTOR OF PHILOSOPHY in Electronics and Communication Engineering** after having been certified by duly appointed examiners to be qualified to receive the same in **December 2016** for the thesis entitled:


**Analysis and Detection of Breast Cancer in Mammogram by Image Processing Techniques**

**SUBJECT : ELECTRONICS AND COMMUNICATION ENGINEERING**



*Given under the seal of the University*

நாள் :  
Dated : 28-08-2017  
வலைம், தஞ்சாவூர்,  
தமிழ்நாடு, இந்தியா  
Vallam-613 403, Thanjavur,  
Tamilnadu, India  
www.pmu.edu

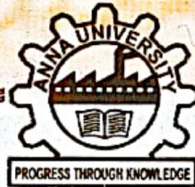
  
தேர்வு ஏற்பாட்டாளர்  
Controller of Examinations

  
பதிவாளர்  
Registrar

  
குமாண்டேஜன்ட்  
Vice-Chancellor



# Anna University



Reg.No. 4087052215/RG

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

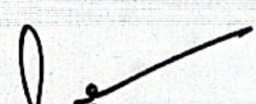
*Title of the Thesis:*

**AN EXTENDED BILATERAL FILTER FOR SPECKLE REDUCTION IN ULTRASOUND KIDNEY IMAGE SEGMENTATION FOR STONE DETECTION**

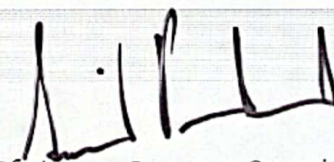
*Given under the Seal of the University*



Chennai 600 025  
India  
May 2017  
NA8014216

  
Registrar  
LOGANAYAGI T



  
Chairman, Convener Committee  
Vice-Chancellor





# Pondicherry University



*The Vice-Chancellor and the Executive Council of the Pondicherry University, on the recommendations of the duly appointed Board of Examiners, hereby declare that*

**PUSHPAVALLI, R.**

*has been admitted to the Degree of*

**DOCTOR OF PHILOSOPHY**

*in Electronics and Communication Engineering for the thesis entitled "An Investigation on Intelligent Nonlinear Filtering Techniques for Image Enhancement" in January 2017.*

*Given under the Seal of the University*



*[Signature]*

Registrar

Puducherry

Date 29 JUL 2017

*[Signature]*  
Vice-Chancellor



# Anna University



Reg.No. 11160532030/RG

*The Syndicate of the Anna University hereby makes known that PUNITHA L has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the Faculty of Information and Communication Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year **2021**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".*


*Title of the Thesis:*

**DESIGN OF HIGH SPEED AND LOW POWER FLIP FLOP DESIGN IN MEMORY APPLICATIONS USING MICRON TECHNOLOGY**

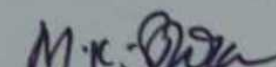


*Given under the Seal of the University*

Chennai 600 025  
India  
March 2021  
83301707

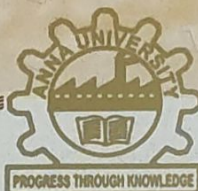
  
Controller of Examinations

  
Registrar

  
Vice-Chancellor



# Anna University



Reg.No. 1324469317/RG



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

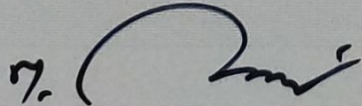
*Title of the Thesis:*

**AN EFFICIENT APPROACH FOR MALICIOUS BASE STATION AND LINK FAILURE DETECTION IN HETEROGENEOUS NETWORKS**

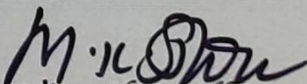


*Given under the Seal of the University*

Chennai 600 025  
India  
March 2021  
RA0014170

  
Controller of Examinations  
MOHANA PRIYA R

  
Registrar

  
Vice-Chancellor  
3211AE8W717FD04A.AA57BA.M60025





Reg No. 10960421027/RG

*The Syndicate of the Anna University hereby makes known that*  
**MURALI BABU B** *has been admitted to the* **DEGREE OF DOCTOR OF PHILOSOPHY** *under the* **Faculty of Electrical Engineering**, *having been certified by the duly appointed examiners to be qualified to receive the same in the year* **2015**. *The degree has been awarded in compliance with the 'University Grants Commission, Regulations 2009'.*

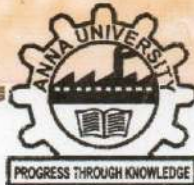
*Title of the Thesis:*

**CHARACTERISTICS ESTIMATION OF QUANTUM DOT SOLAR CELL USING ADVANCED MATHEMATICAL MODELS**

*Given under the Seal of the University*



# Anna University



Reg.No. 11210431042/RG

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

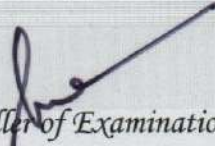
*Title of the Thesis:*


**INVESTIGATIONS ON PERFORMANCE OF MULTILEVEL INVERTER TOPOLOGIES FOR MEDIUM POWER APPLICATIONS**

*Given under the Seal of the University*



Chennai 600 025  
India  
May 2017  
NAREL3066

  
*Controller of Examinations*  
RATHINAM A

  
*Registrar*

  
*Chairman, Convener Committee*  
Vice-Chancellor



# Anna University



Reg.No. 109004J1063/RG

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

*Title of the Thesis:*

**FUZZY GAIN SCHEDULING OF OPTIMAL PID CONTROLLER FOR LOAD FREQUENCY CONTROL OF TWO AREA INTERCONNECTED POWER SYSTEM**

*Given under the Seal of the University*



Chennai 600 025  
India  
May 2017

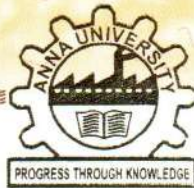
  
Controller of Examinations

  
Registrar

  
Chairman, Convener Committee  
Vice-Chancellor



# Anna University



Reg.No.1314469800/RG

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

*Title of the Thesis:*

**BIO-INSPIRED ALGORITHMS FOR AUTOMATIC GENERATION CONTROL OF MULTI-AREA INTERCONNECTED HYDRO-THERMAL POWER SYSTEMS WITH NON-LINEARITY**

18455

*Given under the seal of the University*



Chennai 600025  
India



# Anna University



Reg.No. 1314369135/RG

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

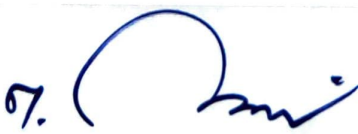
*Title of the Thesis:*

**INVESTIGATIONS ON STABILITY AND FAULT ANALYSIS OF BLDC MOTOR USING AN INTELLIGENT CONTROLLERS**



*Given under the Seal of the University*

Chennai 600 025  
India  
March 2021  
RAR013163

  
Controller of Examinations  
THIRUNAVUKKARASU S

  
Registrar

  
Vice-Chancellor  
ANNAUNIVERSITY/REGISTRATION/2021/03/2021



# Anna University



Reg.No.11260611339/RC



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

*Title of the Thesis:*

**PERFORMANCE ANALYSIS OF AUTHORIZATION AND ATTRIBUTE BASED ENCRYPTION TECHNIQUES FOR SECURED CLOUD DATA SERVICES**

*Given under the seal of the University*



Chennai-600025  
India  
December 2018

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor





மனோன்மனியம் சுந்தரனார் பல்கலைக்கழகம்  
 Manonmaniam Sundaranar University



பொறியியற் புலம்  
 Faculty of Engineering



மனோன்மனியம் சுந்தரனார் பல்கலைக்கழக ஆட்சிக்குழு  
 மடசாமி ராஜா க

கணினி அறிவியல் மற்றும் பொறியியல் மாடலில்

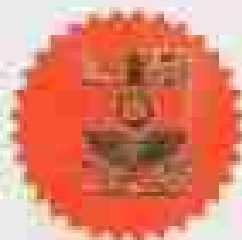
அறிவு மாடல் பெறுவதற்குத் தகுதியுடையவர் என முன்பாக அமைச்சுப்பெற்ற  
 தேர்விலேயே சான்றளித்தவராய் ஜூன் 2017 ஆம்

ஆண்டில் இப் மாடல்பெற்றுக்கு உரியவர் அறிவிக்கப்பட்டார் என இதுவழி அறிவிக்கின்றது.

பல்கலைக்கழக முதுகலைப்படிப்பு இது வழங்கப்படுகின்றது.

The Syndicate of the **MANONMANIAM SUNDARANAR UNIVERSITY**  
 hereby makes known that **MADASAMY RAJA G**  
 has been admitted to the Degree of Doctor of Philosophy in  
**COMPUTER SCIENCE AND ENGINEERING**  
 he/she\* having been certified by duly appointed Examiners to  
 be qualified to receive the same in the year **JUNE 2017**

Given under the seal of the University.



தமிழகம், சென்னை  
 Tirunelveli, India  
 நாள் / Dated : 06/12/2017

**Shikhar**  
 (Dr. S. Prabhakar)  
 இயக்குநர்  
 Controller of Examinations

**P. Govindaraj**  
 (Dr. P. Govindaraj)  
 இயக்குநர்  
 Registrar

**Dr. K. Baskar**  
 இயக்குநர்  
 Vice-Chancellor

# Anna University

Reg.No. 17144597211/RG



The Syndicate of the Anna University hereby makes known that **THIYAGARAJAN P** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the Faculty of Information and Communication Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year **2020**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2016".

Title of the Thesis:

**A FRAMEWORK OF OPTIMIZED ENERGY CONSUMPTION TECHNIQUES FOR EFFICIENT DATA COMMUNICATIONS IN MOBILE AD HOC NETWORKS**

Given under the Seal of the University



Chennai 600 025  
India  
March 2021  
RAB014335

  
Controller of Examinations  
THIYAGARAJAN P

  
Registrar

  
Vice-Chancellor  
DR. G. SAMUELSON



# Anna University



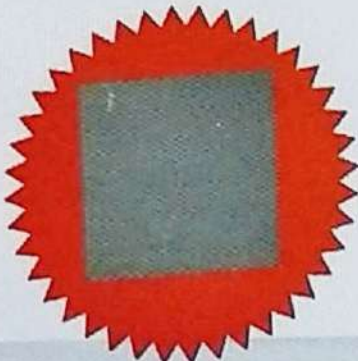
Reg.No.11260331073/RG

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

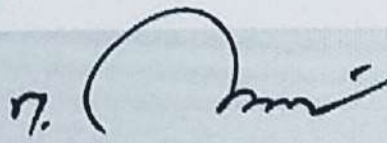
*Title of the Thesis:*

**STUDIES ON THE VARIOUS DESIGN AND MANUFACTURING PARAMETERS OF ROLLER SHAFTS FOR SUGARCANE MILLS**

*Given under the seal of the University*



Chennai 600025  
India  
December 2019

  
Controller of Examinations  
RAJARATHNAM D R P

  
Registrar

  
Vice-Chancellor





Reg.No.20102012001/RG



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

*Title of the Thesis:*

**EXPERIMENTAL INVESTIGATIONS ON NYLON BASED COMPOSITE GEAR MATERIALS**

*Given under the seal of the University*



Chennai 600025  
India  
December 2019  
QABHJ3H

*[Signature]*  
Controller of Examinations  
AJAYKARTHIK R T

*[Signature]*  
Registrar

*[Signature]*  
Vice-Chancellor  
CHENNAI UNIVERSITY



# SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act, 1956)

(A CHRISTIAN MINORITY INSTITUTION)

சத்யபாமா பல்கலைக்கழகம்

(பல்கலைக்கழக மானியக் குழு பிரிவு 3, சட்டம் 1956ன் கீழ் நிறுவப்பட்டது)

(கிறித்தாவ சிறுபான்மையினர் கல்வி நிறுவனம்)

FACULTY OF MECHANICAL ENGINEERING



The Board of Management of Sathyabama University, hereby makes known that

**PREMKUMAR. M**

has been conferred the **DEGREE OF DOCTOR OF PHILOSOPHY**, having been certified by duly appointed examiners to be qualified to receive the same on **JULY 15, 2013** for the thesis entitled

**HEAT TRANSFER STUDIES ON SOLAR THERMAL STORAGE SYSTEM**

Given under the seal of the university, at chennai this **TWENTY SIXTH** day of **April 2014**

Given under the seal of the University

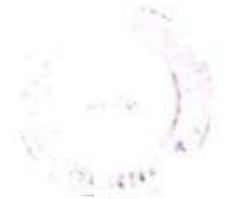


  
Registrar

  
Director

  
Director

  
Vice-Chancellor



Date: April 26, 2014

Jeppiaar Nagar, Chennai - 600119,  
Tamil Nadu, INDIA.

# Anna University



Reg.No. 2006269720/RG

The Syndicate of the Anna University hereby makes known that **SUNDARA MURTHY K** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the Faculty of Mechanical Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year **2013**.

*Title of the Thesis:*

**STUDIES ON INFLUENCE OF CUTTING PARAMETERS IN MACHINING OF 6063 ALUMINUM UNDER MINIMUM QUANTITY LUBRICATION CONDITION**

*Given under the Seal of the University*





# Anna University



Reg.No.10960321034/RG



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

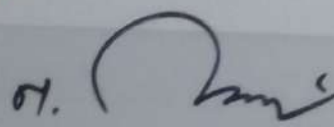
*Title of the Thesis:*

**INVESTIGATION ON HIGH TEMPERATURE OXIDATION AND HOT CORROSION BEHAVIOR OF SA213 T92 STEEL WELDMENT**

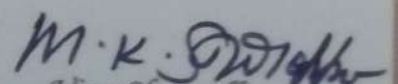
*Given under the seal of the University*



Chennai 600025  
India  
December 2019

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor



# Anna University



Reg.No. 1313269151/RG

*The Syndicate of the Anna University hereby makes known that*  
**VIJAYANAND M S** *has been admitted to the* **DEGREE OF DOCTOR OF PHILOSOPHY** *under the* **Faculty of Mechanical Engineering**, *having been certified by the duly appointed examiners to be qualified to receive the same in the year* **2020**. *The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".*

*Title of the Thesis:*

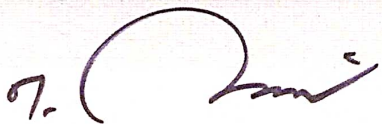
**PERFORMANCE ANALYSIS AND PARAMETRIC OPTIMIZATION OF MICRO EDM OF MONEL ALLOY**

810268



*Given under the Seal of the University*

Chennai 600 025  
India  
March 2021  
RA0012085

  
Controller of Examinations  
VIJAYANAND M S

  
Registrar

  
Vice-Chancellor  
96790482112038.MC76080K.DEN0802



# Anna University



Reg. No.11260331071/RG



The Syndicate of the Anna University hereby makes known that **PUGALENTHI P** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the **Faculty of Mechanical Engineering**, having been certified by the duly appointed examiners to be qualified to receive the same in the year **2020**. The degree has been awarded in compliance with the **“University Grants Commission, Regulations 2009”**.


*Title of the Thesis:*

**STUDY OF MECHANICAL PROPERTIES AND METALLURGICAL CHARACTERISTICS OF Al7075/SiC/Al<sub>2</sub>O<sub>3</sub> HYBRID METAL MATRIX COMPOSITES**

*Given under the seal of the University*



Chennai 600025  
India  
March 2021  
RABR1126

  
Controller of Examinations  
PUGALENTHI P

  
Registrar

  
Vice-Chancellor  
THE ANNA UNIVERSITY, CHENNAI



# Anna University



Reg.No. 17132697202/RG

*The Syndicate of the Anna University hereby makes known that **MANIRAJ S** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the Faculty of Mechanical Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year **2021**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2016".*

*Title of the Thesis:*

**MACHINABILITY STUDY OF METAL MATRIX COMPOSITES THROUGH ELECTROCHEMICAL MICROMACHINING (ECMM)**

087828



*Given under the Seal of the University*

Chennai 600 025  
India  
March 2021  
MANU/2377

Controller of Examinations

Registrar

Vice-Chancellor



# Anna University



Reg. No.1414269184/RG

The Syndicate of the Anna University hereby makes known that **KUMARAVEL S T** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the **Faculty of Mechanical Engineering**, having been certified by the duly appointed examiners to be qualified to receive the same in the year **2021**. The degree has been awarded in compliance with the **“University Grants Commission, Regulations 2009”**.


Title of the Thesis:

**INVESTIGATION ON TYRE OIL DIESEL BLENDS DOPED WITH CERIUM OXIDE NANO PARTICLES IN A DIRECT INJECTION COMPRESSION IGNITION ENGINE**

*Given under the seal of the University*



Chennai 600025  
India  
March 2021  
RA0112393

  
Controller of Examinations  
KUMARAVEL S T

  
Registrar

  
Vice-Chancellor

# Anna University



Reg.No.71030721006/RG

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


*Title of the Thesis:*

**DRYING KINETICS AND MATHEMATICAL MODELING OF DRYING ALOE VERA (*Aloe Barbadensis Miller*) USING DIFFERENT DRYING TECHNIQUES**

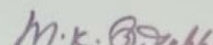
*Given under the seal of the University*



Chennai 600025  
India  
December 2019

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor



**Dr. M.G.R.  
EDUCATIONAL AND RESEARCH INSTITUTE  
DEEMED TO BE UNIVERSITY**



**HUMANITIES AND SCIENCES**

The Board of Management and the Academic Council of

this University hereby make known that

**PRAVEENCUMAR R.**

has been admitted to the Degree of

**DOCTOR OF PHILOSOPHY**

IN

**BIOTECHNOLOGY**

(INTERDISCIPLINARY OF PHARMACEUTICAL BIOTECHNOLOGY / BIOTECHNOLOGY)

having completed all the Academic requirements and having been certified by duly appointed Examiners to be qualified to receive the same in **SEPTEMBER 2018**

Title of the thesis :

**A BIOANALYTICAL METHOD DEVELOPMENT FOR DRUGS IN BIOSAMPLES**



Given under the seal of the University



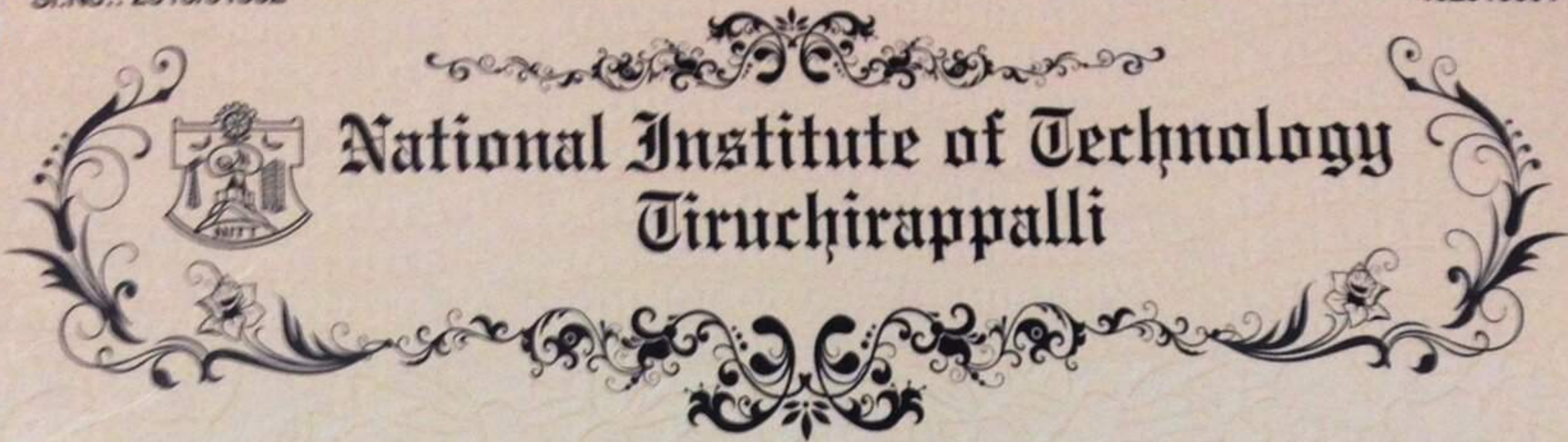
Maduravoyal  
Chennai 600 095  
Date : 20-Oct-2019

*C.P. Sankaranarayanan*  
Registrar

*M. Sankaranarayanan*  
Vice-Chancellor

*X. Sankaranarayanan*  
President





National Institute of Technology  
Tiruchirappalli

*hereby confers the degree of*

*Doctor of Philosophy*

*of the institute*

*on*

**K MUTHAMIZHI**

*for successfully completing the prescribed programme  
of study and presenting the thesis entitled*

**THERMAL PERFORMANCE OF PLATE HEAT EXCHANGER USING  
POWER-LAW FLUIDS**

*at the viva-voce examination held on Fifteenth September 2014*

*Given this day the twenty second of August, 2015*

*Under the seal of the Institute*



TIRUCHIRAPPALLI - 620 015, INDIA

*A. Balasubramanian*  
Registrar

*Shudya*  
Director

*K. M. Srinivasan*  
Chairperson,  
Board of Governors



SLNo. 14/ 100739

Reg.No :2009195203

# SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act, 1956)

சத்யபாமா பல்கலைக்கழகம்

(பல்கலைக்கழக மானியக் கட்டுப்பாட்டு சட்டம் 1956ன் கீழ் நிறுவப்பட்டது)

FACULTY OF BIO ENGINEERING



The Board of Management of Sathyabama University, hereby makes known that

**ARUN KUMAR, T**

has been conferred

the **DEGREE OF DOCTOR OF PHILOSOPHY**, having been certified by duly appointed

examiners to be qualified to receive the same in **APRIL 2017** for the thesis entitled

**STUDIES ON LACCASE PRODUCTION FROM *Pseudomonas* SPECIES AND ITS APPLICATION IN DEGRADATION OF AZO DYES**

given under the seal of the university, at Chennai this **TWENTY NINETH** day of **July 2017**

Given under the seal of the University

Vice Chancellor

Pro Chancellor



Date : July 29, 2017



Jenipaar Nagar, Chennai - 600119,

Tamil Nadu, INDIA.





Reg. No : 09PHP0639 ✓  
College Code : 501 ✓

No.2KM 00157 ✓



பெரியார் பல்கலைக்கழகம்  
PERIYAR UNIVERSITY



FACULTY OF SCIENCE



The Syndicate of the PERIYAR UNIVERSITY hereby makes known that  
CHITRA P has been admitted to the  
Degree of DOCTOR OF PHILOSOPHY in BIOCHEMISTRY  
having been certified by duly appointed Examiners to be qualified to receive the  
same on September 11, 2014 for the thesis entitled,

**A STUDY OF MARKERS IN THE PROGRESSION OF HIV PATIENTS UNDERGOING  
HIGHLY ACTIVE ANTIRETROVIRAL THERAPY.**

This degree is awarded in accordance with the UGC Regulations on Minimum  
Standards and Procedure 2009.



VERIFIED & FOUND CORRECT

*Ruy* *sd*

Given under the seal of the University



Dated : 16-09-2015  
Place : Salem - 636011  
Tamil Nadu, India.

*Leela* Controller of Examinations  
*Saranan* Registrar  
*V. S.* Vice-Chancellor



# Anna University



Reg.No. 11160431003/RG

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

*Title of the Thesis:*

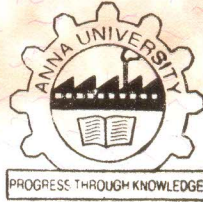
**WIND ENERGY CONVERSION SYSTEM USING NOZZLE AUGMENTED  
WIND TURBINE AND POWER CONVERTERS**

*Given under the Seal of the University*





# Anna University



Reg.No. 2003269711/RG

*The Syndicate of the Anna University hereby makes known that*  
**RAMASAMY K K** *has been admitted to the* **DEGREE OF DOCTOR OF PHILOSOPHY** *under the* **Faculty of Mechanical Engineering**, *having been certified by the duly appointed examiners to be qualified to receive the same in the year* **2012**.

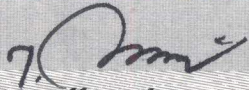
*Title of the Thesis:*

**STUDIES ON THE PERFORMANCE OF NATURAL CIRCULATION, FORCED CIRCULATION AND WIND ASSISTED DOMESTIC SOLAR HOT WATER SYSTEMS**

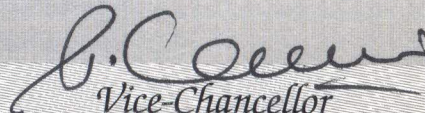
*Given under the Seal of the University*



Chennai 600 025  
India  
March 2013  
IAR012012

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

48675C80F8A8C762AC8B8A800CE



# Anna University



Reg. No.:2003479705/RG

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


*Title of the thesis:*

**PERFORMANCE ENHANCEMENT OF MIMO MOBILE AD HOC NETWORKS FOR IEEE 802.16 WiMAX SYSTEM DEPLOYING CROSS LAYER DESIGN**

*Given under the Seal of the University*



Chennai 600 025  
India  
January 2012

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor





# Bharath

Folio No. : D 14081

Institute of Higher Education and Research  
(Declared under section 3 of the UGC Act 1956)  
173, AGHARAM ROAD, CHENNAI-600 073. TAMIL NADU, INDIA



## PROVISIONAL CERTIFICATE

*for the degree of*

**DOCTOR OF PHILOSOPHY (Ph.D.)**  
**FACULTY OF ENGINEERING**

**Certified that**

**PRAKASH ARUL JOSE J (D13CE001)**

*has successfully completed all prescribed requirements for the Degree of*

**Doctor of Philosophy (Ph.D.) of the University.\***

**Branch**

**Civil Engineering**

Part Time

**The Date of Viva-Voce Examination :** 19-Jul-2019

**Title of the Thesis**

*Technical feasibility study of fibre reinforced  
polymers confined reinforced concrete driven  
piles subjected to vertical loads*

*\*The Degree has been awarded in accordance with the provision of UGC regulation on  
M.Phil / Ph.D -2009*

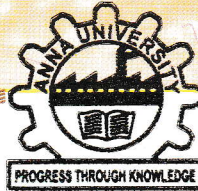
Date : 13 AUG 2019 Registrar



Controller of Examinations



# Anna University



Reg.No.71060622009/RG



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


*Title of the Thesis:*

**AN OPTIMIZED CLUSTERING TECHNIQUE FOR HIGHER DIMENSIONAL DATA**

*Given under the seal of the University*



Chennai 600025  
India  
December 2018  
PAR014704

  
Controller of Examinations  
BANUMATHY D

  
Registrar

  
Vice-Chancellor  
FAB1EDF4C8D1D6E141E827F8C86007B



# Anna University



Reg.No. 7076012133/RG

*The Syndicate of the Anna University hereby makes known that*  
**PRADEEP GNANAM S** *has been admitted to the* **DEGREE OF**  
**DOCTOR OF PHILOSOPHY** *under the Faculty of Science and*  
*Humanities, having been certified by the duly appointed examiners to be qualified*  
*to receive the same in the year* **2014**. *The degree has been awarded in compliance*  
*with the "University Grants Commission, Regulations 2009".*

*Title of the Thesis:*

**DEVELOPMENT AND VALIDATION OF A INSTRUCTIONAL DESIGN  
MODEL FOR WEB BASED LEARNING ENVIRONMENT**



*Given under the Seal of the University*

Chennai 600 025  
India  
November 2014

Controller of Examinations

Registrar

Vice-Chancellor





புலம்

மேலாண்மையியல்

FACULTY OF  
Management Studies

அன்னை தெரசா மகளிர் பல்கலைக்கழக ஆசிரியர்  
எஸ். சுமதி

முனைவர் பட்டம்

பெறுவதற்கு தகுதியுடையவர் என நுழையாக சிபார்சுக்கப்பெற்ற தேர்வினோர்  
ஆகஸ்ட் 2010 இல் நடத்திய தேர்வுகளில் சான்றிதழை  
பின்வரும் \*\*\*\*\* வகுப்பில் தேர்வு பெற்று  
இந்தப் பட்டப்பெற்றுக்கு உரியவர் ஆகின்றார் என்று இதன் வழி சிபார்சுக்கப்பெற்றவர்களுக்கு  
பல்கலைக்கழக நிர்வாகிகள் பெறுகின்றார்

The Executive Council of the MOTHER TERESA WOMEN'S  
UNIVERSITY hereby makes known that S. Sumathi  
has been admitted to the Degree of Doctor of Philosophy  
she having been certified by duly appointed Examiners to be qualified to receive the same  
at the Examination held in August 2010 in the  
\*\*\*\*\* class.

Given under the seal of the University



கொடைக்கானல்,  
Kodaikanal

நாள் Dated : 13.10.2010

சு.சுமதி  
தேர்வுகணியல்  
Controller of Examinations

சு.மணி  
பதிவாளர்  
Registrar

அ.வினாயகாசி  
தலைவரகேள்வி  
Vice-Chancellor





பாரதியார் பல்கலைக் கழகம்  
Bharathiar University



அறிவியல் புலம்  
FACULTY OF SCIENCE

பாரதியார் பல்கலைக் கழகத்தால் முன்னராக அமைக்கப்பட்ட தேர்வரை குழு  
ராஜா க. 2015ஆம் ஆண்டு, மே 6ஆம் திகதியில் வேதியியல் எம்.ஐ.சி.யில்  
ஆய்வியல் அறிஞர் எம்.ஐ.சி.யில் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றிதழை  
உறுது அமைநகருக்கு அந்தப் பட்டத்தைப் பங்காணக் கழக இயக்குநரகம்,  
பாரதியார் பல்கலைக் கழக ஆட்சித் துறை வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby makes known that **RAJA G**  
has been admitted to the Degree of **DOCTOR OF PHILOSOPHY** in **CHEMISTRY**,  
having been certified by duly appointed Examiners to be qualified to receive the same on **6th MAY 2015**.



கொயம்புத்தூர்  
Coimbatore  
நகரம்

Dated: 12th September 2015 Controller of Examinations /c

Given under the Seal of the University.



செல்வாண்டியார்(பெ)ர்  
K.G. Senthilvanan

பதிவரை  
Registrar

தலைவர்(வேந்தர்)  
Vice-Chancellor

B011175





அண்ணாமலைப் பல்கலைக்கழகம்

ANNAMALAI UNIVERSITY



அறிவியற்புலம்  
FACULTY OF SCIENCE

பிப்ரவரி, 2015 இல்

வேதியியல்

பிரிவில் நடத்திய தேர்வுகளில்

ராஜமாணிக்கம் து

தேர்ச்சியடைந்து ஆய்வேட்டை மதிப்பிட முறையாக அமைக்கப்பெற்ற தேர்வுக்குழுவினர் சான்றளித்தபடி,  
ஆய்வியல் அறிஞர் பட்டம் பெறுவதற்கு உரியவர் ஆகின்றார்  
என அண்ணாமலைப் பல்கலைக்கழக ஆட்சிக் குழு இதன்வழி அறிவிக்கின்றது.

The Syndicate of the ANNAMALAI UNIVERSITY hereby makes known that RAJAMANICKAM D has been admitted to the Degree of DOCTOR OF PHILOSOPHY in CHEMISTRY, he/she having been certified by duly appointed Board of Examiners who valued his/her thesis to be qualified to receive the same in FEBRUARY, 2015.

TITLE OF THE THESIS

DEGRADATION OF AZO DYES BY ADVANCED OXIDATION PROCESSES USING MODIFIED TiO<sub>2</sub> CATALYSTS

பல்கலைக்கழக முத்திரை பெறுகின்றது  
Given under the seal of the University



அண்ணாமலைநகர்  
Annamalainagar

நாள்:

Dated: 26/02/2016

*K. Arumugam*  
Dr. K. Arumugam

பதிவாளர் (பொறுப்பு)  
Registrar (i/c)

*S. Manian*  
Dr. S. Manian

துணை வேந்தர்.  
Vice-Chancellor



# Anna University

Reg.No. 11160132024/RG



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

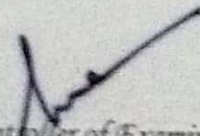
*Title of the Thesis:*

**OXIDATIVE KINETICS OF SUBSTITUTED CHALCONES, BENZALDEHYDES AND MICROBIOLOGICAL ACTIVITY OF QUINOXALINIUM DICHROMATE**

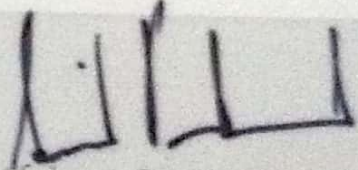
*Given under the Seal of the University*



Chennai 600 025  
India  
May 2017

  
Controller of Examinations

  
Registrar

  
Chairman, Convener Committee  
Vice-Chancellor





DOCTOR OF PHILOSOPHY (Ph.D.)

This is to certify that on approval of the thesis titled: *"Synthesis Reactivity Studies and Structural Aspects of N,N''N"-Triarylguanidines and their Palladium(II) Complexes"* in February, 2011,     K. Gopi     qualified for the degree of Doctor of Philosophy (Ph.D.) of this University which was conferred upon him/her at the Convocation held in 2011 .



    Ras      
Registrar,  
University of Delhi

    D.S.A      
Vice-Chancellor,  
University of Delhi

Delhi, dated the 26th February, 2011

    [Signature]      
PRINCIPAL  
PAAVAI ENGINEERING COLLEGE  
NH-7, PACHAL Post, NAMAKKAL Dis;



Centre Code : 32 Reg.No. 12065-2%0-C/FE



Code no. 84D13 : S.No.



# பாரதிதாசன் பல்கலைக்கழகம் BHARATHIDASAN UNIVERSITY

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



## அறிவியல் புலம் FACULTY OF SCIENCE

பாரதிதாசன் பல்கலைக்கழக ஆட்சிக் குழு ஜூலை 2019  
ஆம் ஆண்டு தனபாலன் ந என்பவர்  
வேதியியல் பிரிவில் முனைவர்  
என்னும் பட்டத்திற்குத் தகுதி பெற்றவர் என்று தக்க தேர்வாளர்கள்  
சான்றளித்தபடி முனைவர் என்னும் பட்டத்தை அவருக்குப்  
பல்கலைக்கழக இலச்சினையுடன் வழங்குகிறது.

The Syndicate of the **BHARATHIDASAN UNIVERSITY** hereby makes  
known that **DHANABALAN N** has been admitted  
to the Degree of **DOCTOR OF PHILOSOPHY,** in the subject  
**CHEMISTRY,** having been certified  
by duly appointed Examiners to be qualified to receive  
the same in **JULY 2019.**

Place of Study: ST. JOSEPH'S COLLEGE(Autonomous), TIRUCHIRAPPALLI.

### Title of the Thesis

"CRYSTALLOGRAPHIC STUDIES AND SPECTROSCOPIC CHARACTERIZATION  
OF ACRIDINE/AMINOPRIDINE-CARBOXYLATE SALTS: IMPLICATION FOR  
CRYSTAL ENGINEERING"



Given under the seal of the University.



திருச்சிராப்பள்ளி  
Tiruchirappalli

நாள் :  
Date : 1st October 2019

ISSUED ON : 01-10-2019

பதிவாளர் Registrar

துணைவேந்தர் Vice - Chancellor

O 000511





# Anna University



Reg. No: 100960121028/RG

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

*Title of the thesis:*

**EFFECT OF METAL ION DOPANTS (Mg, Cu, W & Zr) ON STRUCTURAL, OPTICAL AND PHOTOCATALYTIC ACTIVITIES OF SnO<sub>2</sub> NANOSTRUCTURED THIN FILMS**



*Given under the Seal of the University*

Chennai 600 025  
India  
May 2017

  
Controller of Examinations

VADIVEL S

  
Registrar

  
Chairman, Convener Committee  
Vice-Chancellor

50811DC17819CDE557C4258516C095



Sl. No. 004292

PT



శ్రీ వేంకటేశ్వర విశ్వవిద్యాలయం

పాకల్టీ ఆఫ్ సైన్స్  
Faculty of Science

పిచ్చేరి రోశయ్య

మునుస్వామి గారి కుమారుడు కు

ఈ విశ్వవిద్యాలయం నుండి క్రింద సూచించిన విధంగా అతను పట్టుకు  
నిర్దేశించిన పరీక్షలో ఉత్తీర్ణత వొందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టు ప్రదానానికి అర్హత వొందినట్లు ధృవీకరించడమైంది.

*This is to certify that*

*Pitcheri Rosaiah*

*Son of Munuswamy*

*has been admitted to the Degree of*

**Doctor of Philosophy**

*having been certified by duly appointed Examiners  
to be qualified to receive the same at the Examinations  
prescribed therefor as hereunder:*

DEPARTMENT OF STUDY : PHYSICS

SUBJECT OF THE THESIS :

"Investigations on  $\text{LiFeO}_2$  and  $\text{LiFePO}_4$  Bulk and Thin Film  
Cathodes for Micropower Generation"

YEAR : 2014

విశ్వవిద్యాలయ అధికార ముద్రతో జారీ చేయడమైంది.

*Given under the Seal of the University*

తిరుపతి / Tirupati

తేదీ / Date : 28 JUN 2014



ఉపకులసతి  
Vice - Chancellor





# THE GANDHIGRAM RURAL INSTITUTE

(Deemed to be University)

Approved by the UGC Act and Administered by Ministry of Human Resource Development, Govt. of India  
Accredited by NAAC with 'A' Grade (3<sup>rd</sup> Cycle)  
Gandhigram - 624 302, Tamil Nadu

S.No.Ph.D/ 2019 0056


24.01.2020

## PROVISIONAL CERTIFICATE

This is to certify that Mr.P.Karthikeyan has qualified himself for the award of the degree of Doctor of Philosophy by fulfilling the guidelines issued by the University Grants Commission 2009, in the Department of Physics, for his thesis titled "Synthesis, Structural and Spectroscopic studies on Er<sup>3+</sup>, Sm<sup>3+</sup>, Dy<sup>3+</sup> ions doped Telluroborate glasses for Photonic Applications". He completed his Viva-Voce on 07.01.2020.

Issued this day the 24.01.2020.



  
**PRINCIPAL,**  
**PARVATI ENGINEERING COLLEGE**  
NH-7, PACHAL Post, Namakkal





பெரியார் பல்கலைக்கழகம்  
PERIYAR UNIVERSITY

FACULTY OF SCIENCE



The Syndicate of the PERIYAR UNIVERSITY hereby makes known that  
JAYAKUMAR P has been admitted to the

Degree of DOCTOR OF PHILOSOPHY in MATHEMATICS

having been certified by duly appointed Examiners to be qualified to receive the  
same on July 29, 2016 for the thesis entitled,

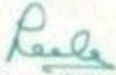
**INVESTIGATIONS ON GENERALIZED  $p^*$  - CLOSED SET IN TOPOLOGICAL SPACES.**

This degree is awarded in accordance with the UGC Regulations on Minimum Standards and Procedure 2009.

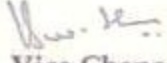


Given under the seal of the University

Dated : 14-10-2016  
Place : Salem - 636011  
Tamil Nadu, India.

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

  
PRINCIPAL  
PAAVAI ENGINEERING COLLEGE  
4H-7, PACHAL Post, NAMAKKAL Dist.





**பெரியார் பல்கலைக்கழகம்**  
**PERIYAR UNIVERSITY**



**FACULTY OF SCIENCE**



The Syndicate of the **PERIYAR UNIVERSITY** hereby makes known that  
**KISHOKKUMAR B** has been admitted to the

Degree of **DOCTOR OF PHILOSOPHY** in **MATHEMATICS**  
having been certified by duly appointed Examiners to be qualified to receive the  
same on **December 28, 2015** for the thesis entitled,

**OSCILLATION AND EXISTENCE OF NON OSCILLATORY SOLUTIONS OF  
EVEN-ORDER NEUTRAL DELAY DIFFERENCE EQUATIONS.**

This degree is awarded in accordance with the UGC Regulations on Minimum  
Standards and Procedure 2009.



Given under the seal of the University



Reg. No : 16PHP1761  
College Code: 521

No.2KN 048785



# பெரியார் பல்கலைக்கழகம் PERIYAR UNIVERSITY



(Established by the Government of Tamil Nadu in 1997; Recognized by UGC under 2(f) and 12(b) of UGC Act;  
Member, Association of Indian Universities and Association of Commonwealth Universities)

FACULTY OF SCIENCE



The Syndicate of the PERIYAR UNIVERSITY hereby makes known that  
SATHISH KUMAR M has been admitted to the  
Degree of DOCTOR OF PHILOSOPHY in MATHEMATICS  
having been certified by the duly appointed Examiners to be qualified to receive the  
same on October 14, 2019 for the thesis entitled,

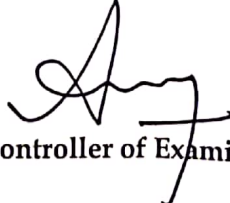
**OSCILLATION AND ASYMPTOTIC BEHAVIOR OF THIRD ORDER NEUTRAL  
DIFFERENTIAL EQUATIONS WITH MIXED DEVIATING ARGUMENTS**

This degree is awarded in accordance with the UGC Regulations on Minimum  
Standards and Procedure 2009.




Given under the seal of the University

Dated : 24-10-2019  
Salem - 636011  
Tamil Nadu, India.

  
Controller of Examinations i/c

  
Registrar i/c

  
Vice-Chancellor





தமிழ்நாடு ஆசிரியர் கல்வியியல் பல்கலைக்கழகம்  
TAMILNADU TEACHERS EDUCATION UNIVERSITY  
(Established under Tamil Nadu Act 33 of 2008)  
Gangaiamunan Koil Street, Karapakkam, Chennai - 600 097.  
E-mail : registrar@tnteu.ac.in /Website: www.tnteu.ac.in

No. TNTEU/COE/Ph.D/2022/081/0253

Date: 01.02.2022

Dr.M.Govindan Ph.D.

Controller of Examinations i/c

To

✓ Mrs.K.Subashini,  
D-3/137-F, Prakasam Nagar,  
11 nd Avenue, Judge road,  
Salem - 636008.

Sir/Madam.

Sub: Award of Ph.D. Degree – reg.

The Meeting of the Syndicate held on 08.10.2021 considered the reports of the Board of Examiners who evaluated the Ph.D thesis entitled "*Values in School Mathematics Content and Strategies to Integrate Values in Mathematics Teaching.*" submitted by Mrs.K.Subashini under the guidance of Dr.T.Nagavalli, Associate Professor, Sri Sarada College of Education, Salem together with the report of the Public Viva-voce Examination held on 19<sup>th</sup> July 2021 in the subject matter of the Ph D thesis of the above candidate and resolved that the reports of the examiners be approved and that Mrs.K.Subashini be declared to have qualified herself for the Degree of Doctor of Philosophy (Ph.D) in Education of this University.

Resolved further that the candidate be informed that, she should *not* publish any part or parts of the thesis without prior permission of the University.

The Candidate is declared to have qualified herself for the degree of Ph.D. from the date of Viva-voce Examination and the candidate may take degree at convocation.



*[Signature]*  
Controller of Examinations i/c

Copy to: 1. Dr.T.Nagavalli,  
Associate Professor,  
Sri Sarada College of Education,  
Salem - 16.

2. The Principal,  
Sri Sarada College of Education,  
Salem - 16.





# பாரதியார் பல்கலைக் கழகம் Bharathiar University

கலையியல் புலம்  
FACULTY OF ARTS

பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு,  
கஸ்தூரி பாய் இரா, 2001ஆம் ஆண்டு, செப்டம்பர் 24ஆம் நாளில் ஆங்கிலம் என்னும் பிரிவில்  
ஆய்வியல் அறிஞர் என்னும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றளித்ததை  
ஏற்று, அவருக்கு அந்தப் பட்டத்தைப் பல்கலைக் கழக இலச்சினையுடன்,  
பாரதியார் பல்கலைக் கழக ஆட்சிக் குழு வழங்குகின்றது.

*The Syndicate of the Bharathiar University hereby makes known that KASTHURI BAI R  
has been admitted to the Degree of DOCTOR OF PHILOSOPHY in ENGLISH,  
having been certified by duly appointed Examiners to be qualified to receive the same on 24th SEPTEMBER 2001.*

*Given under the Seal of the University.*



கோயம்புத்தூர்

Coimbatore

நாள்

Dated: 26th JUNE 2003

r1815065

*H. A. Muthuswamy*

பதிவாளர்

Registrar

*H. A. Muthuswamy*

ஒப்பளிக்கப்பெற்ற கையொப்பாளர்  
துணைவேந்தருக்காக  
Authorised signatory  
For Vice-Chancellor





அண்ணாமலைப் பல்கலைக்கழகம்

ANNAMALAI UNIVERSITY



கலையியற்புலம்  
FACULTY OF ARTS

ஏப்ரல், 2014 இல்

ஆங்கிலம்

பிரிவில் நடத்திய தேர்வுகளில்

சாந்தி ரா

தேர்ச்சியடைந்து அயர்வேட்டை மதிப்பிட முறையாக அமைக்கப்பெற்ற தேர்வுக்குழுவினர் சான்றளித்தபடி,

ஆய்வியல் அறிஞர்

பட்டம் பெறுவதற்கு உரியவர் ஆகின்றார்

என அண்ணாமலைப் பல்கலைக்கழக ஆட்சிக் குழு இதன்வழி அறிவிக்கின்றது.

The Syndicate of the **ANNAMALAI UNIVERSITY** hereby makes known that **SHANTHI R** has been admitted to the Degree of **DOCTOR OF PHILOSOPHY in ENGLISH**, he/she having been certified by duly appointed Board of Examiners who valued his/her thesis to be qualified to receive the same in **APRIL, 2014**.

*TITLE OF THE THESIS*

**COMMITMENT TO THE BLACK CAUSE: A STUDY OF THE SELECT PLAYS OF AMIRI BARAKA**

பல்கலைக்கழக முத்திரை பெறுகின்றது  
Given under the seal of the University



அண்ணாமலைநகர்  
Annamalainagar

நாள்:

Dated: 26/02/2016

*K. Arumagam*  
Dr. K. Arumagam

பதிவாளர் (பொறுப்பு)  
Registrar (i/c)

*S. Manian*  
Dr. S. Manian

துணை வேந்தர்  
Vice-Chancellor