



Reg. No.:2003379701/RC

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

Title of the thesis:

DESIGN OF CT SCAN BRAIN IMAGE ANALYSIS SYSTEM

ATTESTED

**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL**

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.

Given under the Seal of the University, Tamil Nadu.



Chennai 600 025
India

December 2010 *Controller of Examinations*

Registrar

Vice-Chancellor



அண்ணாமலைப் பல்கலைக்கழகம்



ANNAMALAI UNIVERSITY



பொறியியற்புலம்
FACULTY OF ENGINEERING & TECHNOLOGY

மார்ச், 2018 இல்

மின் அணு மற்றும் கருவிப் பொறியியல்

பிரிவில் நடத்திய தேர்வுகளில்

பிரதீஷ் ராஜா பா

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 PRATHISH RAAJA B has been admitted to the Degree of DOCTOR OF PHILOSOPHY in ELECTRONICS & INSTRUMENTATION 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 MARCH, 2018.

TITLE OF THE THESIS

"DESIGN APPROACHES FOR MEMS ACCELEROMETERS AND PIEZOELECTRIC ENERGY HARVESTERS FOR WIRELESS STRUCTURAL HEALTH MONITORING (WSHM) APPLICATIONS"

பல்கலைக்கழக முத்திரை பெறுகின்றது
Given under the seal of the University



அண்ணாமலைநகர்
Annamalainagar

நாள்:
Dated: 25/11/2018

Dr. K. Arumugam

பதிவாளர் (பொறுப்பு)
Registrar (i/c)

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Dr. V. Murugesan

துணை வேந்தர்
Vice-Chancellor

Anna University



Reg.No. 2011110102/RG


The Syndicate of the Anna University hereby makes known that **SAKTHIESWARAN N** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the *Faculty of Civil 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:

EXPERIMENTAL INVESTIGATION ON SUSTAINABLE CONCRETE CONTAINING INDUSTRIAL WASTES AND FIBERS

Given under the Seal of the University

ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.





Reg. No.:2002179701/RG



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

Title of the thesis:

COMPARISON AND MODELLING OF ZONE SETTLING DATA FOR CYLINDRICAL AND VARYING CROSS SECTIONAL THICKENERS FOR DIFFERENT TYPES OF SUSPENDED MATERIALS

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Given under the Seal of the University



Chennai 600 025
India

February 2010

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Controller of Examinations

Registrar

Vice-Chancellor

Anna University



Reg.No. 20091032007/RG

The Syndicate of the Anna University hereby makes known that **SIVAKUMAR R** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the **Faculty of Civil 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:

PERFORMANCE EVALUATION OF UASBR FOR TREATING INDUSTRIAL WASTES

Given under the Seal of the University



ATTESTED

[Signature]
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Chennai 600 025
India
January 2016

[Signature]
Controller of Examinations

[Signature]
Registrar

[Signature]
Vice-Chancellor

Sl. No. PT 005550



శ్రీ వేంకటేశ్వర విశ్వవిద్యాలయం

ఫాకల్టీ ఆఫ్ ఇంజనీరింగ్
Faculty of Engineering

ఆనంద్ కుమార్ వర్మ యన్

యన్ రామకృష్ణవర్మ గారి కుమారుడు కు

ఈ విశ్వవిద్యాలయం నుండి క్రింద సూచించిన విధంగా అతను పట్టాకు

నిర్దేశించిన పరీక్షలో ఉత్తీర్ణత వొందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత వొందినట్లు ధృవీకరించడమైంది.

This is to certify that

Anand Kumar Varma I

Son of I Ramakrishnavarma

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 : CIVIL ENGINEERING

SUBJECT OF THE THESIS : "Mathematical Modeling of AIR Pollution in a
Thermal Power Project"

YEAR : 2016

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

విశ్వవిద్యాలయ అధికార ముద్రలో జారీ చేయడమైంది.

Given under the Seal of the University



తిరుపతి / Tirupati

తేది / Date : - 4 MAR 2016



ఉపకులపతి
Vice - Chancellor

Anna University



Reg.No.20091012003/RG



The Syndicate of the Anna University hereby makes known that **ELLISS YOGESH R** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the Faculty of Civil 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:

ADVANCED OXIDATION OF TANNERY WASTEWATER FOR COD REDUCTION

Given under the seal of the University



ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Chennai 600025
India
June 2018

Controller of Examinations

Registrar

Vice-Chancellor



அண்ணாமலைப் பல்கலைக்கழகம்



ANNAMALAI UNIVERSITY



பொறியியற்புலம்
FACULTY OF ENGINEERING & TECHNOLOGY

ஆகஸ்டு, 2016 இல்

குடிமுறை பணிப் பொறியியல்

வினோத்குமார் பா

பிரிவில் நடத்திய தேர்வுகளில்

முக்கியடைந்து ஆய்வேட்டை மதிப்பிட முறையாக அமைக்கப்பெற்ற தேர்வுக்குழுவின் சான்றளித்தபடி.
ஆய்வியல் அறிஞர் பட்டம் பெறுவதற்கு உரியவர் ஆகின்றார்

என அண்ணாமலைப் பல்கலைக்கழக ஆட்சிக் குழு இதன்வழி அறிவிக்கின்றது.

The Syndicate of the **ANNAMALAI UNIVERSITY** hereby makes known that **VINODH KUMAR B** has been admitted to the Degree of **DOCTOR OF PHILOSOPHY in CIVIL 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 **AUGUST, 2016.**

TITLE OF THE THESIS

PERFORMANCE EVALUATION OF MPC - SP MODEL IN NORTH CHENNAI AIR BASIN

பல்கலைக்கழக முத்திரை பெறுகின்றது
Given under the seal of the University



ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

அண்ணாமலைநகர்
Annamalainagar

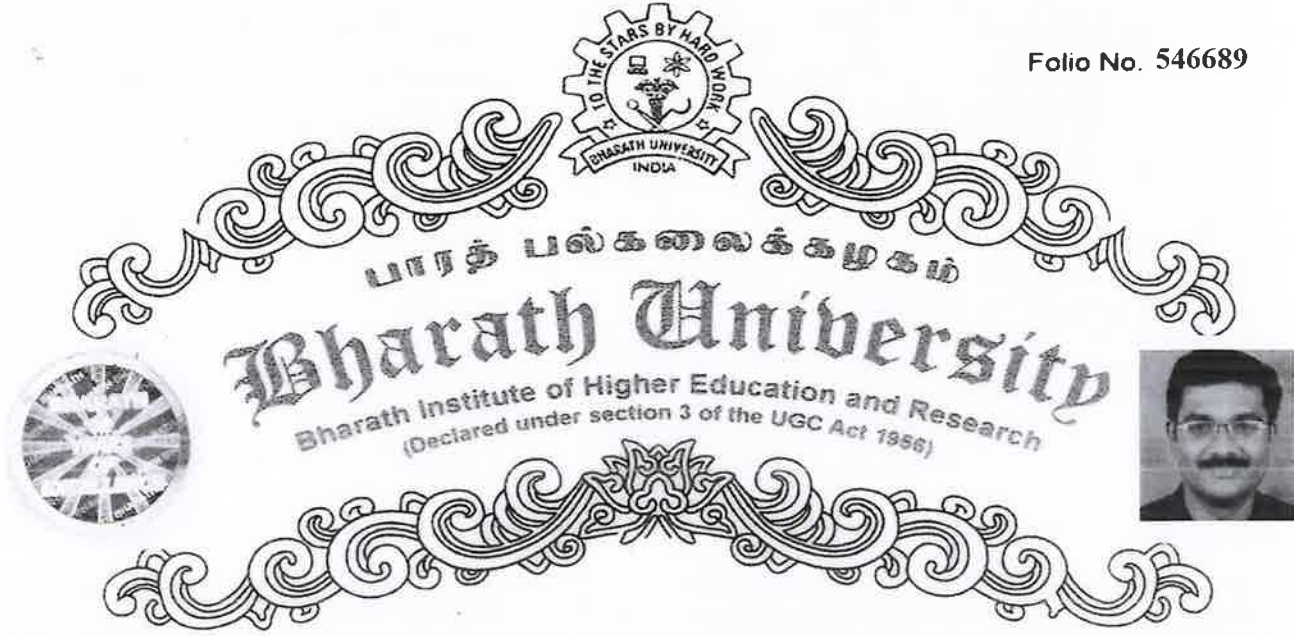
Dr. K. Arumugam

பதிவாளர் (பொறுப்பு)
Registrar (i/c)

Dr. S. Manian

துணை வேந்தர்
Vice-Chancellor

தூள்:
Dated: 31/10/2016



FACULTY OF ENGINEERING

The board of management of the Bharath University here by makes known that **RAJ PRASAD J** born on 16-DEC-1979 has been admitted to the DOCTOR OF PHILOSOPHY in CIVIL ENGINEERING, he/she having satisfactory completed the prescribed programme of study and have been certified by duly appointed Examiner to have qualified to receive the same at the examination held on FEB 2012 with Registration number D07CE009

Thesis Title:

Experimental Investigation on treated recycled Aggregate

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
E.S.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.



Given under the Seal of the University



DATE
173 Agaram Road
Chennai - 600 073
Tamil Nadu

CONTROLLER OF
EXAMINATIONS

DR.M.PREMJEYAKUMAR

REGISTRAR

Dr.Prof. S.M.RAJENDRAN
MD.ERC.P/U.KL.FOMSA

VICE - CHANCELLOR

Dr.K.P.THOOYAMANI
B.E,M.B.A.,M.SC,ENGG..

Anna University



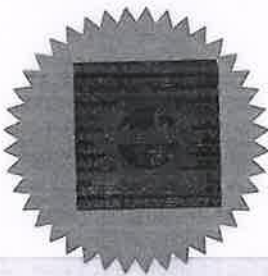
Reg.No. 20104022003/RG

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

Title of the Thesis:

A NOVEL FRAMEWORK FOR OPTIMIZING SCHEDULING ALGORITHMS IN HIGH LEVEL SYNTHESIS TOOLS

Given under the Seal of the University



ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Vagode - 61002,
Nagapattinam (Dt) Tamil Nadu.

Chairman, Convener Committee
Vice-Chancellor

Chennai 600 025
India
May 2017
NABU/17

Controller of Examinations

Registrar



Reg. No.:2004479703/RG



The Syndicate of the Anna University Chennai hereby makes known that **APPAVU alias BALAMURUGAN S** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the **Faculty of Information and Communication Engineering**, having been certified by the aily appointed examiners to be qualified to receive the same in the year **2009**.

Title of the thesis:

ENHANCING THE PERFORMANCE OF CLASSIFICATION ALGORITHMS THROUGH DATASET TUNING, FEATURE SELECTION AND EXCEPTION HANDLING

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Given under the Seal of the University



Chennai 600 025
India
February 2010

Controller of Examinations

Registrar

Vic :-Chancellor



மனோன்மணியம் சுந்தரனார் பல்கலைக்கழகம்
Manonmaniam Sundaranar University



பொறியியற் புலம்
Faculty of Engineering



மனோன்மணியம் சுந்தரனார் பல்கலைக்கழக ஆட்சிக்குழு
கணைசன் தி

கணினி அறிவியல் மற்றும் பொறியியல் பாடப்பிரிவில்

அறிஞர் பட்டம் பெறுவதற்குத் தகுதியுடையவர் என முறையாக அமைக்கப்பெற்ற
தேர்வினோர் சான்றளித்தவாறு ஜூன் 2017 ஆம்
ஆண்டில் இப் பட்டப்பேற்றுக்கு உரியவர் ஆகின்றார் என இதன்வழி அறிவிக்கின்றது.

பல்கலைக்கழக முத்திரையுடன் இது வழங்கப்படுகின்றது.

The Syndicate of the MANONMANIAM SUNDARANAR UNIVERSITY
hereby makes known that **GANESAN**
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.



திருநெல்வேலி, இந்தியா
Tirunelveli, India

நாள் / Dated 06.12.2017

Shihvan
(Dr.S.Prabahar)

தேர்வாணையர்
Controller of Examinations

ATTESTED
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thuthi, Nagore - 611
Nagapattinam (Dt) Tamil Nadu
(Dr.P.Govindaraju) **(Dr.K.Baskar)**

பதிவாளர்
Registrar

துணைவேந்தர்
Vice-Chancellor

0034



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

PRIYA, M.


has been admitted to the Degree of

DOCTOR OF PHILOSOPHY

in Computer Science and Engineering for the thesis entitled "Distributed Processing of Spatial Textual Query Using Probabilistic Technique" in April 2019.



ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.


Registrar

Puducherry
Date


Vice-Chancellor



பொறியியற் புலம்
FACULTY OF ENGINEERING

மனோம்மணியம் சுந்தரனார் பல்கலைக்கழக ஆட்சிக்குழு
கண்ணன் சா

கணினி இயல் மற்றும் பொறியியல் பாடப்பிரிவில்

அறிஞர் பட்டம் பெறுவதற்குத் தகுதியுடையவர் என முறையாக அமைக்கப்பெற்ற
ஜனவரி 2013 தேர்வினோர் சான்றளித்தவாறு ஆம் ஆண்டில்
இப் பட்டப்பேற்றுக்கு உரியவர் ஆகின்றார் என இதன்வழி அறிவிக்கின்றது.

பல்கலைக்கழக முத்திரையுடன் இது வழங்கப்படுகின்றது.

The Syndicate of the MANONMANIAM SUNDARANAR UNIVERSITY
hereby makes known that KANNAN S
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 JANUARY 2013

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.

Nagapattinam (Dt) Tamil Nadu.

Given under the seal of the University.



திருநெல்வேலி, இந்தியா
Tirunelveli, India
Dated 23.09.2013

S. Prabahar
(Dr.S.Prabahar)

தேர்வாணையர்

Controller of Examinations

(Dr.T.Tamizh Chelvam)

பதிவாளர்

Registrar

(Dr.A.K.Kumaraguru)

துணை வேந்தர்

Vice-Chancellor



Reg. No.:2003479727/RG

The Syndicate of the Anna University hereby makes known that **SENTHAMARAI KANNAN 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 2010.

Title of the thesis:

IMPROVING CLUSTERING AND CLASSIFICATION PERFORMANCE THROUGH EFFECTIVE ATTRIBUTE SELECTION

Given under the Seal of the University



ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Registrar

Vice-Chancellor

Chennai 600 025
India
December 2010 *Controller of Examinations*



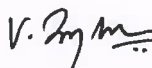
Reg No.80806405008/RG

The Syndicate of the Anna University Chennai hereby makes known that **MURALI N** has been admitted to the **DEGREE OF MASTER OF ENGINEERING** in **COMPUTER SCIENCE AND ENGINEERING** under the *Faculty of Information and Communication Engineering*, having completed the prescribed programme of study and having been certified by the duly appointed examiners to be qualified to receive the same, and has been placed in **FIRST CLASS** at the Examination held in **NOVEMBER 2008**.

Given under the Seal of the University



Chennai 600 025
India
June 2009
ESTD: 1969


Controller of Examinations


Registrar

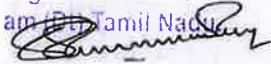
ATTESTED



Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

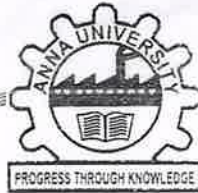
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.

Nagapattinam (Dist. Tamil Nadu)



Vice-Chancellor

Anna University



Reg.No.1414459842/RG

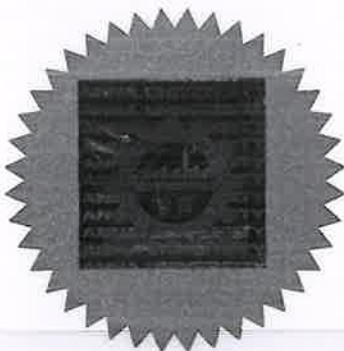


The Syndicate of the Anna University hereby makes known that **MANIVANNAN R** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the Faculty of Information and Communication Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year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

Title of the Thesis:

LOW LATENCY ANONYMITY DETECTION AND PREVENTION USING NOVEL DIVERSITY MIX TECHNIQUES

Given under the seal of the University




ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Chennai 600025

India

June 2018
PAR014209


Controller of Examinations

MANIVANNAN R


Registrar


Vice-Chancellor

REGISTRATION NUMBER: 1414459842/RG

Anna University



Reg.No. 16144597320/RG

The Syndicate of the Anna University hereby makes known that **BALASUBRAMANIAN 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 **2021**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2016".

Title of the Thesis:

TRAFFIC ANALYSIS USING CORRELATION-BASED ATTACKS BASED ON ANONYMITY NETWORKS

ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.

Given under the Seal of the University



Chennai 600 025
India
March 2021
RA/R01/1745


Controller of Examinations
BALASUBRAMANIAN K


Registrar


Vice-Chancellor
REGISTRATION AND EXAMINATIONS



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)

Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119, Tamilnadu, India.

SI.No.: T 18013012

Register No. : 2009791123

Date : 11-02-2021

PROVISIONAL CERTIFICATE - Ph.D.



This is to certify that **SUDHIR SHENAI** has qualified himself for the award of the Degree of Doctor of Philosophy in Faculty of COMPUTER SCIENCE AND ENGINEERING on 25th January 2021 and he having been certified by duly appointed Examiners and approved by the Board of Management of Sathyabama Institute of Science and Technology.

Title : CLOUD COMPUTING FRAMEWORK FOR AUTO FEDERATION OF CLOUD SERVICES WITH SECURE NEGOTIATIONS

Chennai - 600 119.

Date: Thursday, February 11, 2021

Registrar

Dr. S. S. RAO, M.B.A. Ph.D.
REGISTRAR

SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai - 600 119.

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dist) Tamil Nadu.

Controller of Examinations

Dr. S. Igni Sabasti Prabu,
Controller of Examinations,
Sathyabama Institute of Science and Technology,
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai - 600 119.



Anna University

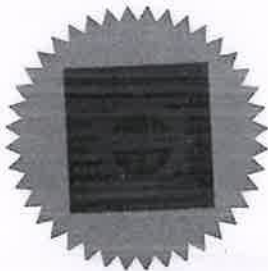


Reg.No. 1323469213/RG

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

TOPIC AND SUBTOPIC DETECTION USING TEXT MINING



Given under the Seal of the University

Chennai 600 025
India
March 2021
KARD14667


Controller of Examinations


Registrar


Vice-Chancellor

ATTESTED



**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL**

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.



**ANNA UNIVERSITY
CHENNAI - 600 025
PROVISIONAL CERTIFICATE**



Folio No.: SAR014201

This is to certify that the candidate has qualified for the award of Degree of Doctor of Philosophy in compliance of the UGC Regulations 2018 as detailed below :

Name : AMBIKA S

Registration Number : 17234591415

Degree : Ph.D.

Department / Centre / Subject : MATHEMATICS

Faculty : INFORMATION AND COMMUNICATION ENGINEERING

Date, Month & Year of Viva-Voce Examination held : 25.08.2021

Title of the Thesis : A STUDY OF EFFICIENT AND SECURE KEY DISTRIBUTION PROTOCOLS FOR AUTHENTICATION IN GROUP COMMUNICATION ENVIRONMENT



ATTESTED

**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.**

Controller of Examinations

Chennai - 600 025
Date: 05-OCT-2021



ANNA UNIVERSITY
CHENNAI - 600 025
PROVISIONAL CERTIFICATE



Folio No.: SAR014526

This is to certify that the candidate has qualified for the award of **Degree of Doctor of Philosophy** in compliance of the UGC Regulations 2016 as detailed below :

Name : KALAIVANI K
Registration Number : 18234591308
Degree : Ph.D.
Department / Centre / Subject : COMPUTER SCIENCE AND ENGINEERING
Faculty : INFORMATION AND COMMUNICATION ENGINEERING
Date, Month & Year of Viva-Voce Examination held : 21.03.2022
Title of the Thesis : EFFICIENT INTRUSION DETECTION MODELS USING DEEP LEARNING TECHNIQUES FOR FOG COMPUTING ENVIRONMENT



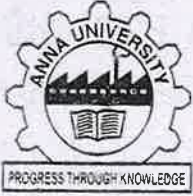
ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.



Chennai - 600 025
Date: 12-APR-2022

Controller of Examinations



ANNA UNIVERSITY
CHENNAI - 600 025
PROVISIONAL CERTIFICATE



Folio No.: TAR014175

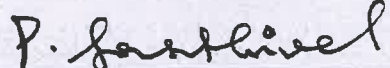
This is to certify that the candidate has qualified for the award of **Degree of Doctor of Philosophy** in compliance of the UGC Regulations 2016 as detailed below :

Name : RAJAKUMARAN M
Registration Number : 17134597135
Degree : Ph.D.
Department / Centre / Subject : MECHANICAL ENGINEERING
Faculty : INFORMATION AND COMMUNICATION ENGINEERING
Date, Month & Year of Viva-Voce Examination held : 23.11.2022
Title of the Thesis : ENHANCED CYBER SECURITY IN ROBOTIC OPERATING SYSTEM FOR BIOMEDICAL APPLICATION USING ENCRYPTION ALONG WITH AN ATTACK DETECTION MODEL

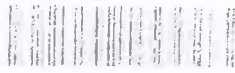


ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.


Controller of Examinations

Chennai - 600 025
Date: 02-DEC-2022



Reg No. 7081051115

The Syndicate of the Anna University Coimbatore hereby makes known that **RAJARAM 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 **2013**.

Title of the thesis:

A TRUST BASED DISTRIBUTED AUTHENTICATION PROTOCOL FOR SECURITY IN MOBILE AD HOC NETWORKS

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.

ANNA UNIVERSITY COIMBATORE ANNA UNIVERSITY COIMBATORE ANNA UNIVERSITY COIMBATORE ANNA

Given under the Seal of the University



Coimbatore 641 047
India
March 2013

Controller of Examinations

Registrar

Vice-Chancellor



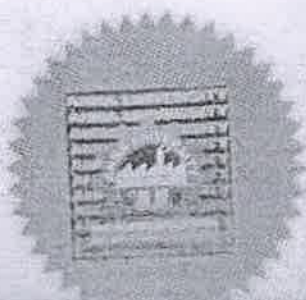
Reg.No. 2007469145/RG

The Syndicate of the Anna University hereby makes known that **RAMESH S 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 2012.

Title of the Thesis:

CERTAIN INVESTIGATIONS ON EFFICIENT ROBUST WATERMARKING ALGORITHMS FOR ENHANCEMENT OF SECURITY IN IMAGES

Given under the Seal of the University



ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL

E.G.S. Pillay Engineering College,
Theruvu Road,
Nagapattinam (City) Tamil Nadu.

Anna University



Reg. No.1418599118/RG

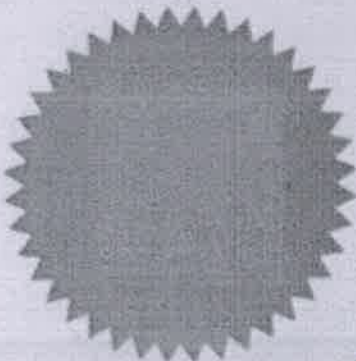


The Syndicate of the Anna University hereby makes known that **IRSHAD AHAMED M** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the *Faculty of Technology*, having been certified by the duly appointed examiners to be qualified to receive the same in the year **2020**. The degree has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


Title of the Thesis:

STUDIES ON Cu_2SnS_3 AND $PbSe_{1-x}S_x$ QUANTUM DOTS FOR OPTOELECTRONIC APPLICATIONS


Given under the seal of the University



Chennai 600025
India
March 2021


Controller of Examinations

ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 502.
Nagapattinam (Dt) Tamil Nadu.


Registrar


Vice-Chancellor

Anna University

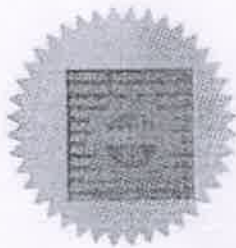


Reg No: 1724459758R/RG

The Syndicate of the Anna University hereby makes known that **SATHIYA 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 2020. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2016".

Title of the Thesis:

EVOLUTIONARY ALGORITHMS BASED MULTI-OBJECTIVE TRAJECTORY PLANNING OF MOBILE ROBOTS



Given under the Seal of the University


Chennai 600 025
India
March 2021


Controller of Examinations


Registrar


Vice-Chancellor

ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.



Reg.No.1414459652, RG

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

Title of the Thesis:

NOVEL SENSING MODELS AND CLUSTERING METHODOLOGIES IN WIRELESS SENSOR NETWORK FOR MANAGING ENERGY UTILIZATION

Given under the seal of the University



ATTESTED

Prof.
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Chennai 600025
India
June 2018

[Signature]
Controller of Examinations

[Signature]
Registrar

[Signature]
Vice-Chancellor

Anna University



Reg.No. 17144591180/RG

The Syndicate of the Anna University hereby makes known that **DEVARAJAN 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 **2021**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2016".

Title of the Thesis:

AN OPTIMIZED LEARNING BASED RETINAL IMAGE SEGMENTATION MODEL FOR EARLY DETECTION OF RETINAL DISORDERS

ATTESTED

[Signature]
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,

Thethi, Nagore - 611 002,

Nagapattinam (Dt) Tamil Nadu.

Given under the Seal of the University



Chennai 600 025

India

March 2021

0188100

[Signature]
Controller of Examinations

[Signature]
Registrar

[Signature]
Vice-Chancellor



Reg.No. 1513439786/RG

The Syndicate of the Anna University hereby makes known that **PRATHAP 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 **2021**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

OPTICAL SOLITON CONTROL THROUGH DISPERSION AND NONLINEARITY MANAGEMENT SCHEME IN AN OPTICAL FIBER

Given under the Seal of the University



ATTESTED
[Signature]

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Chennai 600 025
India
July 2022
6406737

[Signature]
Controller of Examinations

[Signature]
Registrar

[Signature]
Vice-Chancellor



Annamalai University



Register No: 1534080013

PROVISIONAL CERTIFICATE - Ph.D

This is to certify that **PARTHASARADIV** has qualified himself/herself for the award of the Degree of Doctor of Philosophy in **ELECTRICAL ENGINEERING** on **23/10/2020** and has/she having been certified by duly appointed examiners and approved by the Syndicate of the University.

TITLE OF THE THESIS

"**MOTION CONTROL OF INDUSTRIAL ROBOTS THROUGH LI-FI DATA TRANSMISSION**"

"The award of the Degree is in accordance with the provisions of the UGC Regulations, 2009"

Annamalai Nagar - 608 002

Date: 11/11/2020



Handwritten signature
Controller of Examinations

ATTESTED

Handwritten signature
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Anna University



Reg.No.20104012014/RG

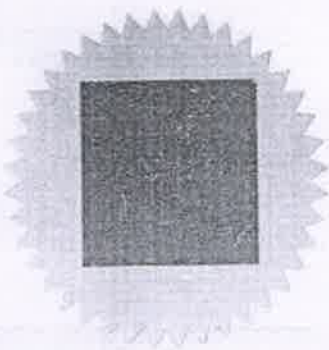


The Syndicate of the Anna University hereby makes known that **PADMANABAN B** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the **Faculty of Information and Communication Engineering**, having been certified by the duly appointed examiners to be qualified to receive the same in the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

Title of the Thesis:

INVESTIGATIONS ON THE CHARACTERISTICS OF GATE ENGINEERED GATE ALL AROUND MOSFET FOR BIOMOLECULE DETECTION

Given under the seal of the University



ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL


E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Chemical 600025

India

June 2018


Controller of Examinations


Registrar


Vice-Chancellor

Anna University



Reg.No. 1523399186/RG

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

Title of the Thesis:

DESIGN OF RF TRANSMITTER SYSTEM USING OVERSAMPLING DSM FOR WIRELESS APPLICATIONS

Given under the Seal of the University



ATTESTED

[Signature]
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

Chennai 600 025
India
July 2022

[Signature]
Controller of Examinations

[Signature]
Registrar

[Signature]
Vice-Chancellor



Reg.No. 20093012012/RG


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

Title of the Thesis:


PERFORMANCE ENHANCEMENT OF AC-DC-AC CONVERTER SYSTEMS

Given under the Seal of the University



ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Chennai 600 025
India
January 2016


Controller of Examinations


Registrar


Vice-Chancellor

Serial No. : C24/15/20703

Register No. : PHD 503

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

SURESH PADMANABHAN, T.

has been admitted to the Degree of

DOCTOR OF PHILOSOPHY

having submitted a thesis entitled

" NOVEL CONTROL STRATEGIES FOR AC-AC POWER CONVERSION SYSTEMS "

and having successfully completed the prescribed requirements in the year MARCH 2015.

Discipline : ELECTRICAL AND ELECTRONICS ENGINEERING.

Given under the Seal of the University




M. Ramalingam
Registrar

Puducherry

Date 4 OCT 2016

ATTESTED


Dr. S. RAMABALAN, M.E. Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.


Anisabasheer
Vice-Chancellor



Faculty of Engineering and Technology

The Board of Management of the SRM University

hereby makes known that

PALANIVEL P

has been admitted to the degree of **Doctor of Philosophy**,

having been certified by duly appointed examiners to be

qualified to receive the same in DECEMBER - 2012

Title of the Thesis: **PERFORMANCE ANALYSIS OF THREE PHASE CASCADED MULTILEVEL INVERTERS USING PULSE WIDTH MODULATION TECHNIQUES (ELECTRICAL AND ELECTRONICS ENGINEERING)**

Given under the seal of the University



ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu

VICE-CHANCELLOR

REGISTRAR

DATED: 28-DEC-2012

SRM NAGAR, KATTANKULATHUR - 603 003
KANCHIPEPURAM (DIST) TAMILNADU, INDIA



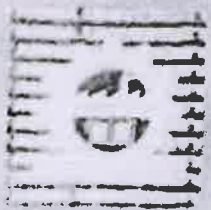
No. 2014/NS/REG

The Syndicate of the Anna University hereby makes known that **THAMIZHARASANS** 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

ADVANCES IN PULSE WIDTH MODULATORS AND TOPOLOGIES IN VOLTAGE SOURCE INVERTER

Given under the Seal of the University



ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College.

Thethi, Nagore - 611 002.

Nagapattinam (Dt) Tamil Nadu.

Handwritten signature in blue ink.

Handwritten initials in blue ink.



Annamalai University



Register No. **1434110002**

PROVISIONAL CERTIFICATE - Ph.D

This is to certify that **GANESAN @ SUBRAMANIAN G** has qualified himself / herself for the award of the Degree of Doctor of Philosophy in **ELECTRICAL ENGINEERING (EXTERNAL)** on **09/03/2020** and he/she having been certified by duly appointed examiners and approved by the Syndicate of the University.

TITLE OF THE THESIS

"PRICE BASED AUTOMATIC GENERATION CONTROL WITH OPTIMAL PLANNING OF ANCILLARY SERVICES IN THE INTEGRATED MARKET SYSTEMS CONSIDERING DIVERSE ENERGY SOURCES IN RESTRUCTURED POWER SYSTEM"

Annamalainagar - 608 002

Date : **22/06/2020**



W. Selvaraj
Controller of Examinations

ATTESTED

[Signature]
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.



**ANNA UNIVERSITY
CHENNAI - 600 025
PROVISIONAL CERTIFICATE**

Folio No.: RAR013215

This is to certify that the candidate has qualified for the award of *Degree of Doctor of Philosophy* in compliance of the UGC Regulations 2016 as detailed below :

Name : CHITRAKALA G
Registration Number : 16243597182
Degree : Ph.D.
Department / Centre / Subject : PETROCHEMICAL TECHNOLOGY
Faculty : ELECTRICAL ENGINEERING
Date, Month & Year of Viva-Voce Examination held : 14.12.2020
Title of the Thesis : DISTORTION REDUCTION, COMPONENTS COUNT WANING AND CONDUCTION PATH CURBING OPTIONS IN MULTILEVEL INVERSION



ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thiruvananthapuram, Kerala



Controller of Examinations

Chennai - 600 025

Date: 07-JAN-2021



ANNA UNIVERSITY CHENNAI - 600 025

PROVISIONAL CERTIFICATE

Folio No.: SAR013082


This is to certify that the candidate has qualified for the award of *Degree of Doctor of Philosophy* in compliance of the UGC Regulations 2009 as detailed below:

Name : **VIJAYAKUMAR M**
Registration Number : 1612379189
Degree : Ph.D.
Department/Centre/Subject : **ELECTRONICS AND COMMUNICATION ENGINEERING**
Faculty : **ELECTRICAL ENGINEERING**
Date, Month & Year of Viva-Voce Examination held : 02.09.2021
Title of the Thesis : **COMPONENT COUNT REDUCED, FILTER LESS H-BRIDGE MULTILEVEL INVERTER WITH SERIES AND PARALLEL CONNECTED SWITCHES FOR STATCOM APPLICATION**



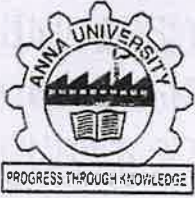
Chennai - 600 025

Date: 05-OCT-2021


Controller of Examinations

ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College,
Thechi Nagore - 691 002,
Nagapattinam (DT) Tamil Nadu



ANNA UNIVERSITY
CHENNAI - 600 025
PROVISIONAL CERTIFICATE



Folio No.: TAR013046

This is to certify that the candidate has qualified for the award of ***Degree of Doctor of Philosophy*** in compliance of the UGC Regulations 2016 as detailed below :

Name : SURESH BABU P J

Registration Number : 17153597221

Degree : Ph.D.

Department / Centre / Subject : ELECTRICAL AND ELECTRONICS ENGINEERING

Faculty : ELECTRICAL ENGINEERING

Date, Month & Year of Viva-Voce Examination held : 23.11.2022

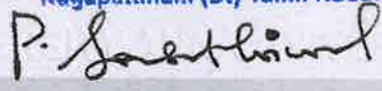
Title of the Thesis : A PERFORMANCE STUDY ON COPPER INDIUM SELENIDE / ZINC SULPHIDE QUANTUM DOTS FOR SOLAR CELL APPLICATIONS



ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.


Controller of Examinations

Chennai - 600 025

Date: 20-DEC-2022



**ANNA UNIVERSITY
CHENNAI - 600 025**

PROVISIONAL CERTIFICATE

Folio No.: PAR014200

This is to certify that the candidate has qualified for the award of *Degree of Doctor of Philosophy* in compliance of the UGC Regulations 2009 as detailed below:

Name : ANAKATH A S
Registration Number : 1513459177
Degree : Ph.D.
Department/Centre : MATHEMATICS
Faculty : INFORMATION AND COMMUNICATION
ENGINEERING
Date, Month & Year of Viva-Voce
Examination held : 11.10.2017
Title of the Thesis : A STUDY OF PRIVACY PRESERVING
AUTHENTICATION WITH ANONYMITY
AND MULTI FACTOR SECURITY IN
CLOUD COMPUTING ENVIRONMENT



Chennai - 600 025

Date: 13-NOV-17

Controller of Examinations

ATTESTED

**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.**

Anna University



Reg.No. 16154597382/RG

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

Title of the Thesis:

DESIGN OF AGENT INTERACTION SYSTEM FOR MONITORING DATA LOGGING IN REMOTE LOCATION

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

Given under the Seal of the University



Chennai 600 025
India
March 2021
B.1000.0041

[Signature]
Controller of Examinations

[Signature]
Registrar

[Signature]
Vice-Chancellor



**ANNA UNIVERSITY
CHENNAI - 600 025
PROVISIONAL CERTIFICATE**




Folio No.: RAR014593

This is to certify that the candidate has qualified for the award of **Degree of Doctor of Philosophy** in compliance of the UGC Regulations 2016 as detailed below :

Name : MANIKANDA KUMARAN K
Registration Number : 16144597379
Degree : Ph.D.
Department / Centre / Subject : COMPUTER SCIENCE AND ENGINEERING
Faculty : INFORMATION AND COMMUNICATION ENGINEERING
Date, Month & Year of Viva-Voce Examination held : 15.10.2020
Title of the Thesis : TASK OFFLOADING OPTIMIZATION FOR CLOUD-ENHANCED ROBOTIC SYSTEM USING HYBRID INTELLIGENT GENERIC ALGORITHM



Chennai - 600 025
Date: 07-NOV-2020


Controller of Examinations

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Anna University



Reg.No.20102012042/RG



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


Title of the Thesis:

STUDY ON THE INFLUENCE OF SURFACTANTS IN IMPROVING THE PERFORMANCE OF TURNING PROCESS

Given under the seal of the University

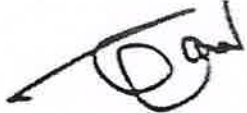


ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

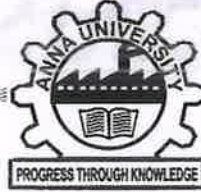
Chennai 600025
 India
 June 2018


Controller of Examinations


Registrar


Vice-Chancellor

Anna University



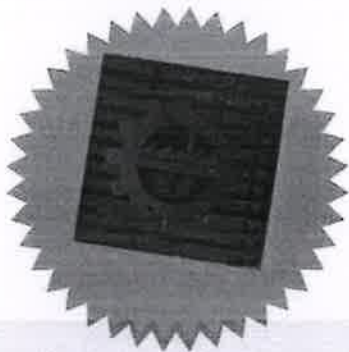
Reg.No. 18244591229/RG

The Syndicate of the Anna University hereby makes known that **LAVANYA 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 **2022**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2016".

Title of the Thesis:

DESIGN AND DEVELOPMENT OF INTRUSION DETECTION SYSTEM FOR VEHICULAR AD HOC NETWORKS

Given under the Seal of the University



ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (TN) Tamil Nadu.

Chennai 600 025

India

July 2022

SA RD14703

P. Senthilvel
Controller of Examinations

P. R. M.
Registrar

R. V. K.
Vice-Chancellor

**ANNA UNIVERSITY
CHENNAI - 600 025
PROVISIONAL CERTIFICATE**

Folio No.: TAR014174



This is to certify that the candidate has qualified for the award of *Degree of Doctor of Philosophy* in compliance of the UGC Regulations 2016 as detailed below :

Name : ANAND BABU R

Registration Number : 18194591230

Degree : Ph.D.

Department / Centre / Subject : COMPUTER SCIENCE AND ENGINEERING

Faculty : INFORMATION AND COMMUNICATION ENGINEERING

Date, Month & Year of Viva-Voce Examination held : 23.11.2022

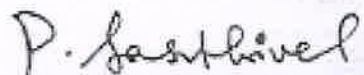
Title of the Thesis : TOWARDS EFFECTIVE ENSEMBLE CLASSIFICATION FOR ANOMALY-BASED INTRUSION DETECTION

ATTESTED

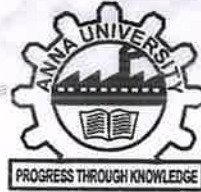

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.



Chennai - 600 025
Date: 02-DEC-2022


Controller of Examinations

Anna University



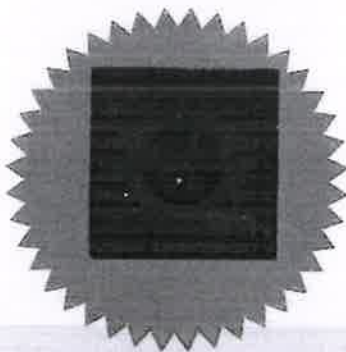
Reg.No. 17144597127/RG

The Syndicate of the Anna University hereby makes known that **RAJU 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 **2022**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2016".

Title of the Thesis:

IDENTITY BASED AUTHENTICATION IN CLOUD ENVIRONMENT USING DEEP LEARNING AND CRYPTOGRAPHIC TECHNIQUES

Given under the Seal of the University



ATTESTED

[Signature]
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Chennai 600 025
India
July 2022
SAR014314

[Signature]
Controller of Examinations

[Signature]
Registrar

[Signature]
Vice-Chancellor



Reg. No. 2005269106/RG

The Syndicate of the Anna University Chennai hereby makes known that **RAMABALAN 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 2009.

Title of the thesis:

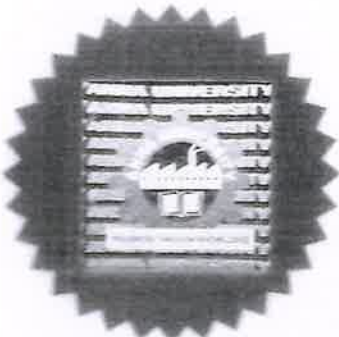
EVOLUTIONARY TRAJECTORY PLANNING FOR INTELLIGENT ROBOTS

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Given under the Seal of the University



Chennai 600 025
India
February 2010

Controller of Examinations

Registrar

Vice-Chancellor

No. 100736



அண்ணாமலைப் பல்கலைக்கழகம்

ANNAMALAI UNIVERSITY



பொறியியற்புலம்

FACULTY OF ENGINEERING & TECHNOLOGY

செப்டம்பர், 2015 இல்

உருவாக்கப் பொறியியல்

பிரிவில் நடத்திய தேர்வுகளில்

கிருஷ்ண மோகன் ச

தேர்ச்சியடைந்து ஆய்விவட்டை மதிப்பிட முறையாக அமைக்கப்பெற்ற தேர்வுக்குழுவின் சான்றளித்தபடி,

ஆய்வியல் அறிஞர்

பட்டம் பெறுவதற்கு உரியவர் ஆகின்றார்

என அண்ணாமலைப் பல்கலைக்கழக ஆட்சிக் குழு இதன்வழி அறிவிக்கின்றது.

The Syndicate of the **ANNAMALAI UNIVERSITY** hereby makes known that **KRISHNAMOHAN S** 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 **SEPTEMBER, 2015**.

TITLE OF THE THESIS

SOME STUDY ON Ti6Al4V/SiCp NANO COMPOSITES.

பல்கலைக்கழக முத்திரை பெறுகின்றது
Given under the seal of the University



அண்ணாமலைநகர்
Annamalainagar

தலை

Dr. K. Arumugam

பதிவாளர் (பொதுப்பு)

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Dr. S. Manian

குணை பேரறிஞர்

Anna University



Reg.No. 1314279202/RG

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

Title of the Thesis:

INVESTIGATION ON MACHINABILITY AND DAMPING PERFORMANCE BY MODIFICATION OF BORING BAR USING PASSIVE DAMPING METHOD

Given under the Seal of the University



Chennai 600 025
India
May 2017
HAR07202


Controller of Examinations
CHOCKALINGAM S


Registrar


Chairman, Convener Committee
Vice-Chancellor


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Anna University



Reg. No. 2002279715/RG

The Syndicate of the Anna University hereby makes known that **KATHIRESAN 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 **2010**.

Title of the thesis:

PROCESSING AND PERFORMANCE CHARACTERISTICS OF ALUMINIUM ALLOY BASED METAL MATRIX COMPOSITES



Chennai 600 025
India

December 2010 Controller of Examinations

V. Jeyaraj

Srinivasan
Registrar

S. Ramabalan
Vice-Chancellor

Given under the Seal of the University

ATTESTED

S. Ramabalan
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

No. 232429



அண்ணாமலைப் பல்கலைக்கழகம்



ANNAMALAI UNIVERSITY



பொறியியற்புலம்
FACULTY OF ENGINEERING & TECHNOLOGY

டிசம்பர், 2017 இல்

உருவாக்கப் பொறியியல்

பிரிவில் நடத்திய தேர்வுகளில்

ராமானுஜம் ந

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 **RAMANUJAM N** 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 **DECEMBER, 2017**.

TITLE OF THE THESIS

STUDY ON WEAR BEHAVIOR OF MAGNESIUM (AZ91) MATRIX WITH SiCp REINFORCED COMPOSITE PRODUCED THROUGH ACCUMULATIVE DIFFUSION BONDING

பல்கலைக்கழக முத்திரை பெறுகின்றது
Given under the seal of the University



அண்ணாமலைநகர்
Annamalainagar

நாள்:

Dated: 17/02/2018

Dr. K. Arumugam

பதிவாளர் (பொறுப்பு)
Registrar (i/c)

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Dr. S. Manian

துணை வேந்தர்
Vice-Chancellor

No. 242802



அண்ணாமலைப் பல்கலைக்கழகம்

ANNAMALAI UNIVERSITY



பொறியியற்புலம்
FACULTY OF ENGINEERING & TECHNOLOGY

டிசம்பர், 2017 இல்

உருவாக்கப் பொறியியல்

பிரிவில் நடத்திய தேர்வுகளில்

சிவராமகிருஷ்ணன் வே

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 SIVARAMAKRISHNAN V 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 DECEMBER, 2017.

TITLE OF THE THESIS

STUDY ON HOT DEFORMATION BEHAVIOR OF MAGNESIUM (AZ91) MATRIX WITH SiC_p REINFORCED COMPOSITES FABRICATED THROUGH ACCUMULATIVE DIFFUSION BONDING

பல்கலைக்கழக முத்திரை பெறுகின்றது
Given under the seal of the University



அண்ணாமலைநகர்
Annamalainagar

நாள்:

Dr. K. Arumugam

பதிவாளர் (பொறுப்பு)

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

14/

Dr. S. Manian

துணை வேந்தர்



Indian Institute of Technology Madras

hereby confers the degree of
Doctor of Philosophy

of the Institute
on

SIVARAMAN V

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

STUDY ON MACHINABILITY OF A FERRITE-BAINITE-MARTENSITE
MICROALLOYED STEEL

Given this day the Twentyfirst of July, 2017
under the seal of the Institute.

V.G.V

Registrar

Director

Chairman, Board of Governors



ME08D011

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thathi, Madurai - 611 302,
Nagapattinam (By) Tamil Nadu.



0034



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

GURUMOORTHY, G.

has been admitted to the Degree of

DOCTOR OF PHILOSOPHY

in Mechanical Engineering for the thesis entitled "Improvement of Oxidation Resistance in Power Plant Alloys by Cr₂ Co₃ and Al₂O₃ Coatings" in November 2018.



ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

P. S. Pillay Engineering College,
Madurai - 611 002,
Tamil Nadu.

Registrar

Puducherry
Date

Vice-Chancellor

Anna University



Reg.No.20112012007/RG



The Syndicate of the Anna University hereby makes known that **JEEVAMALAR J** 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 INVESTIGATIONS AND PARAMETRIC STUDY OF ELECTRIC DISCHARGE DRILLING FOR INCONEL 718 ALLOY

Given under the seal of the University



ATTESTED

[Signature]
Dr. S. RAMABALAN, M.E Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore
Nagapattinam (Dt)

Chennai 600025
India
June 2018
PAR012129

[Signature]
Controller of Examinations
JEEVAMALAR J

[Signature]
Registrar

[Signature]
Vice-Chancellor

DAEHC/ANU/2018/012007/RG/2018



அண்ணாமலைப் பல்கலைக்கழகம்
ANNAMALAI UNIVERSITY



FACULTY OF ENGINEERING & TECHNOLOGY

The Syndicate of the **ANNAMALAI UNIVERSITY** hereby makes

known that **NAVANEETHA KRISHNAN V** 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 **JANUARY, 2019.**

TITLE OF THE THESIS

"MECHANICAL AND TRIBOLOGICAL INVESTIGATION ON POLYMER NANO COMPOSITE"

Given under the seal of the University

ATTESTED

[Signature]
Dr. S. RAMABALAN, M.E., Ph.D.,
 PRINCIPAL
 E.G.S. Pillay Engineering College,
 Thiruvannamalai - 601 302
 Nizampet, (T) Tamil Nadu.



Annamalainagar

Dated: 30/11/2019

[Signature]
Dr. N. Krishnamohan
 Registrar (i/c)

[Signature]
Dr. V. Murugesan
 Vice-Chancellor

G 002810



பாரதிதாசன் பல்கலைக்கழகம் BHARATHIDASAN UNIVERSITY

Approved by the Government of Tamil Nadu in 1987. Recognized by UGC under 2(F) and 12(B) of UGC Act, 1956.
Member A Association of Indian Universities and Association of Universities in India. Accredited by UAM, 2001.

வணிகவியல் புலம் FACULTY OF COMMERCE

பாரதிதாசன் பல்கலைக்கழக ஆட்சிக்குழு ஜூலை 2011

ஆம் ஆண்டு **R. கார்த்தி** என்பவர்
 வணிகவியல் பிரிவில் முனைவர் எனும்
 பட்டத்கிரகை நகுதி பெற்றவர் என்று தக்க தேர்வாளர்கள் சான்றளித்தபடி
 முனைவர் என்னும் பட்டத்தை அவருக்குப் பல்கலைக்கழக
 இலச்சினையுடன் வழங்குகிறது.

The Syndicate of the **BHARATHIDASAN UNIVERSITY** hereby makes
 known that **R. KARTHI** has been admitted
 to the Degree of **DOCTOR OF PHILOSOPHY**, in the subject
COMMERCE, having been certified by duly
 appointed Examiners to be qualified to receive the same in
JULY 2011.

Thesis Title

"A STUDY ON CUSTOMERS ATTITUDE TOWARDS THE SERVICES OF
LIFE INSURANCE CORPORATION OF INDIA AT NAGAPATTINAM
DISTRICT - TAMILNADU"

ATTESTED

**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL**

Given under the seal of the University, **G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.**



திருச்சிராப்பள்ளி
Tiruchirappalli
நாள் : 10th November 2011
Date

பதிவாளர் Registrar

பொதுவகைநாயகர் Vices - Chancellor

ISSUED ON: 10 NOV 2011



பாரதியார் பல்கலைக் கழகம்
Bharathiar University

வணிகவியல் புலம்

FACULTY OF COMMERCE



பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு, சந்திரசேகர் எஸ் ,2013 ஆம் ஆண்டு, ஏப்ரல் 10 ஆம் நாளில் வணிகவியல் 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 **CHANDRASEKAR S** has been admitted to the Degree of **DOCTOR OF PHILOSOPHY in COMMERCE**, having been certified by duly appointed Examiners to be qualified to receive the same on **10th APRIL 2013**.

Given under the Seal of the University.



கோயம்புத்தூர்
Coimbatore
நாள்

Dated: ~~10th~~ June 2013

K. G. Senthilrao

தேர்வாளையர்

Controller of Examinations

பதிவாளர்

Registrar



ATTESTED
N. ABALAN, M.E., Ph.D.,
PRINCIPAL

E. G. S. Pillay Engineering College,
Theedhi, Nagore - 611 002,
Magapattanam, Tiruvarur, India.

துணைவேந்தர்

Vice-Chancellor



Code No. 00161 S.No. 35905

பாரதிதாசன் பல்கலைக்கழகம்
BHARATHIDASAN UNIVERSITY

வணிகவியல் புலம்
FACULTY OF COMMERCE

பாரதிதாசன் பல்கலைக்கழக ஆட்சிக் குழு மே 1998

ஆம் ஆண்டு அ. அப்துல் கபூர் -

என்பவர் வணிகவியல் பிரிவில் முனைவர் என்னும் பட்டத்திற்கு தகுதி பெற்றவர் என்று தக்க தேர்வாளர்கள் சான்றளித்தபடி முனைவர் என்னும் பட்டத்தை அவருக்குப் பல்கலைக்கழக இலச்சினையுடன் வழங்குகிறது.

The Syndicate of the BHARATHIDASAN UNIVERSITY hereby makes known that **A. ABDUL GAFOOR** has been admitted to the Degree of DOCTOR OF PHILOSOPHY, in the subject COMMERCE, having been certified by duly appointed Examiners to be qualified to receive the same in MAY 1998.

Thesis Title

Economic of Marine Fisheries Management In Nagappattinam District-A Current Assessment.



Given under the seal of the University.

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagappattinam (Dt) Tamil Nadu.

திருச்சிராப்பள்ளி
Tiruchirappalli

நாள் : 20th November 1998
Dated :

பதிவாளர் Registrar

துணைவேந்தர் Vice-Chancellor



செயல்பாட்டு இலக்கம்: 100242

செயல்பாட்டு இலக்கம்: 100242



பாரதிதாசன் பல்கலைக்கழகம் BHARATHIDASAN UNIVERSITY

(Accredited with A+ Grade by NAAC in the Third Cycle)

Established by the Government of Tamil Nadu in 1981, Recognized by U.G.C. under 10(A) and 10(B) of U.G.C. Act
Member, Association of Indian Universities and Association of Commonwealth Universities



மேலாண்மையியல் புலம் FACULTY OF MANAGEMENT

பாரதிதாசன் பல்கலைக்கழக ஆட்சிக்குழு செயல்பாட்டு 2021
 ஆம் ஆண்டு ஆஷா டெய்சி பெ என்பவர்
 மேலாண்மையியல் பட்டத்தில் முனைவர் பட்டத்தில் முனைவர்
 பட்டத்திற்குத் தேர்ந்தெடுக்கப்பட்டுள்ளார் என்று தக்க தேர்வுரைகள்
 சான்றிதழ் முனைவர் பட்டத்தை அவருக்குப்
 பல்கலைக்கழக இலச்சினைபுடன் வழங்குகிறது.

The Syndicate of the **BHARATHIDASAN UNIVERSITY** hereby makes
 known that **ASHA DAISY B** has been admitted
 to the Degree of **DOCTOR OF PHILOSOPHY,** in the subject
MANAGEMENT, having been certified
 by duly appointed Examiners to be qualified to receive
 the same in **SEPTEMBER 2021.**

Place of Study: A. VEERTYA VANDAYAR MEMORIAL SRI PUSHPAM COLLEGE(Autonomous), POONDI


"Ph.D Degree has been awarded in accordance with the Minimum Standards and Procedure of the Regulations of the University Grants Commission 2016"

Title of the Thesis

"A STUDY ON EMPLOYEE MOTIVATION AND ENGAGEMENT WITH SPECIAL REFERENCE TO ANCILLARY INDUSTRIES OF BHEL, TIRUCHIRAPPALLI."



Given under the seal of the University.

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
 PRINCIPAL
 E.G.S. Pillay Engineering College,
 Thethi, Nagore - 611 002.
 Nagapattinam (Dt) Tamil Nadu.
 முனைவர் தலைவர் Vice - Chancellor


 பதிவுரைப்பதிவு Registrar

திருச்சிரப்பள்ளி
Tiruchirappalli

திகதி : 09th December 2021
Date

ISSUED ON : 09-12-2021

100242



பாரதியார் பல்கலைக் கழகம்
Bharathi University

அறிவியல் புலம்

FACULTY OF SCIENCE

பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு.
வனிதா ஜா, 2019 ஆம் ஆண்டு, செப்டம்பர் 4 ஆம் நாளில் கணிப்பான் அறிவியல்
என்னும் பிரிவில் ஆய்வியல் அறிஞர் எனும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றளித்ததை
ஏற்று, அவருக்கு அந்தப் பட்டத்தைப் பல்கலைக் கழக இலக்கினையுடன்.

பாரதியார் பல்கலைக் கழக ஆட்சிக் குழு வழங்குகின்றது.

The Syndicate of the Bharathi University hereby makes known that
has been admitted to the Degree of DOCTOR OF PHILOSOPHY in COMPUTER SCIENCE,
having been certified by duly appointed Examiners to be qualified to receive the same on 4th SEPTEMBER 2019.



ATTESTED
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

Given under the Seal of the University.



கோயம்புத்தூர்
Coimbatore
68653703
நாள்

தேர்வாளர்(பொ)

பதிவாளர்(பொ)

E.G.S. Pillay Engineering College,
Thethir Nagore - 611 002,
Nagabhattinallur, Duvalur, Nadi.

துணைவேந்தர்
Vice-Chancellor

Registrar (i/c)

Dated: 18th December 2019 Controller of Examinations i/c

ISSUED ON - 3 OCT 2020

0034



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

ARUNKUMAR, P.

has been admitted to the Degree of

DOCTOR OF PHILOSOPHY

in Computer Science and Engineering for the thesis entitled "A Multi-Objective Pareto based Hyper-Heuristic approach to optimize scientific and big data workflows task scheduling in IAAS cloud" in November 2019.



ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002
Nagapattinam (Dt) Tamil Nadu.

Registrar

Puducherry
Date 26 FEB 2020

Vice-Chancellor

மதுரை காமராசர் பல்கலைக்கழகம்
Madurai Kamaraj University
UNIVERSITY WITH POTENTIAL FOR EXCELLENCE



FACULTY OF SCIENCE - COMPUTER SCIENCE
அறிவியல் புலம் - கணினி அறிவியல்

2015 ஆம் ஆண்டில் மதுரை காமராசர் பல்கலைக்கழகத்தில்

ஆய்வு நிகழ்த்தி வழங்கிய ஆய்வேட்டுக்காக 12-11-2015 நாளன்று முனைவர் பட்டம் பெறத் தகுதியுடையவர் என்று தக்க தேர்வாளர்களால் சான்றளிக்கப்பட்டு

சந்திரபோஸ், அ.

என்பவருக்கு முனைவர் பட்டம் அளிக்கப்படுகிறது என்று மதுரை காமராசர் பல்கலைக்கழக ஆட்சிப் பேரவை அறிவிக்கின்றது.

மதுரை காமராசர் பல்கலைக்கழக இலச்சினையுடன், மதுரையில் 2016 ஆம் ஆண்டு

பிப்ரவரி திங்கள் 12 ஆம் நாள் அளிக்கப்பட்டது.

The Senate of the Madurai Kamaraj University hereby makes known that

CHANDRABOSE, 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 as on 12-11-2015

Given under the seal of the Madurai Kamaraj University, at Madurai this 12th day of February 2016

Title of the Thesis: "A FRAME WORK FOR THE ENGINEERING OF RELIABLE DISTRIBUTED SYSTEM".



Subject Area : COMPUTER SCIENCE

ATTESTED

D. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

रानी दुर्गावती विश्वविद्यालय, जबलपुर

(NAAC ACCREDITED B⁺⁺ UNIVERSITY, 2002-2007)



विद्यावाचस्पति

56085

प्रमाणित किया जाता है कि

श्री मनोज कुमार मिश्रा

को इस विश्वविद्यालय के गणितीय विज्ञान संकाय के अंतर्गत गणित विषय में

विद्यावाचस्पति (डॉक्टर ऑफ फिलासफी)

की उपाधि से वर्ष 2011, में विभूषित किया गया।

इनके शोध प्रबन्ध का विषय है —

"A Study of Some Weak Forms of Continuity in Fuzzy Topology"

Rani Durgavati Vishwavidyalaya, Jabalpur

DOCTOR OF PHILOSOPHY

This is to certify that

Shri Manoj Kumar Mishra

has been awarded the degree of

DOCTOR OF PHILOSOPHY

in the subject Math's

under the Faculty of Mathematical Science of this University in the year 2011.

The title of his thesis is -

"A Study of Some Weak Forms of Continuity in Fuzzy Topology"

Prof. K. N. Singh Yadava

कुलपति

Vice-Chancellor

जबलपुर, दिनांक : 02 नवम्बर, 2012

Jabalpur, Dated : 02nd November, 2012

ATTESTED

**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL**

**E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.**

Centre Code : 13 Reg.No. 6533-Ph.D-MAT



Code no. 7FF59 : 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)



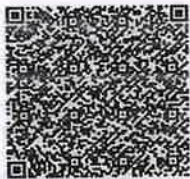
அறிவியல் புலம் FACULTY OF SCIENCE

பாரதிதாசன் பல்கலைக்கழக ஆட்சிக் குழு ஆகஸ்ட் 2021
ஆம் ஆண்டு கணிதவியல் தீபா ரா என்பவர்
பட்டத்திற்குத் தகுதி பெற்றவர் என்று தக்க முனைவர் முனைவர் பாடத்தில் முனைவர்
சான்றளித்தபடி முனைவர் பட்டத்தை தேர்வாளர்கள் அவருக்குப்
பல்கலைக்கழக இலச்சினையுடன் வழங்குகிறது.

The Syndicate of the **BHARATHIDASAN UNIVERSITY** hereby makes
known that **DEEPA R** has been admitted
to the Degree of **DOCTOR OF PHILOSOPHY,** in the subject
MATHEMATICS, having been certified
by duly appointed Examiners to be qualified to receive
the same in **AUGUST 2021.**

Place of Study : A.D.M. COLLEGE FOR WOMEN(Autonomous), NAGAPPATTINAM.

"Ph.D. Degree has been awarded in accordance with the Minimum Standards and
Procedure of the Regulations of the University Grants Commission 2016".



Title of the Thesis
"CONTRIBUTION TO THE STUDY ON FUZZY SOFT GRAPHS"

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Given under the seal of the University

பதிவாளர் Registrar

சுனைவேந்தர் Vice - Chancellor

திருச்சிராப்பள்ளி
Truchirappalli

நாள் :
Date : 9th December 2021

ISSUED ON : 09-12-2021

O 102121

Centre Code : 13 Reg.No. 31539-46-D-MAT



Code no. 58F3C : S.No.



பாரதிதாசன் பல்கலைக்கழகம் BHARATHIDASAN UNIVERSITY

(Accredited with A+ Grade by NAAC In the Third Cycle)

(Established by the Government of Tamil Nadu in 1932; 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 பிப்ரவரி 2019
ஆம் ஆண்டு பிரபாவதி மோ என்பவர்
கணிதவியல் 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 PRABHAVATHI M has been admitted
to the Degree of DOCTOR OF PHILOSOPHY, in the subject
MATHEMATICS, having been certified
by duly appointed Examiners to be qualified to receive
the same in FEBRUARY 2019.

Place of Study : A.D.M. COLLEGE FOR WOMEN(Autonomous), NAGAPPATTINAM.

Title of the Thesis

"A STUDY ON FUZZY RELATIONS AND INVERSES OF SOFT MATRICES AND ITS
APPLICATIONS"



Given under the seal of the University.



O 000680

திருச்சிராப்பள்ளி
Tiruchirappalli

தாள் : 1st October 2019
Date

ISSUED ON : 01-10-2019

பதிவுரைப் பதிவுரை
Registrar

குணைவேந்தர்
Vice-Chancellor

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Theethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.



Centre Code : 15 Reg.No. 31514-Ph.D-MAT

Code no. A95B5 : S.No.



பாரதிதாசன் பல்கலைக்கழகம் BHARATHIDASAN UNIVERSITY

Re-accredited with 'A' Grade by NAAC

(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 அக்டோபர் 2018
ஆம் ஆண்டு தீபா இரா என்பவர்
கணிதவியல் 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 **DEEPA R** has been admitted
to the Degree of **DOCTOR OF PHILOSOPHY,** in the subject
MATHEMATICS, having been certified
by duly appointed Examiners to be qualified to receive
the same in **OCTOBER 2018.**

Place of Study : TRANQUEBAR BISHOP MANICKAM LUTHERAN COLLEGE PORAYAR.

Title of the Thesis

"AN OVERVIEW ON THE DEVELOPMENT OF FUZZY RANDOM VARIABLES"



Given under the seal of the University.



திருச்சிராப்பள்ளி
Tiruchirappalli
23rd October 2018

நாள்:
Date : 12-11-2018
ISSUED ON :

பதிவாளர் Registrar

துணைவேந்தர் Vice - Chancellor

M 050165

ATTACHED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Centre Code : 13 Reg.No. 58860-Ph.D-MAT



Code no. 802CC : 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

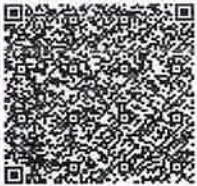
பாரதிதாசன் பல்கலைக்கழக ஆட்சிக் குழு மே 2019
ஆம் ஆண்டு கவிதா த என்பவர்
கணிதவியல் பிரிவில் முனைவர்
என்னும் பட்டத்திற்குத் தகுதி பெற்றவர் என்று தக்க தேர்வாளர்கள்
சான்றளித்தபடி முனைவர் என்னும் பட்டத்தை அவருக்குப்
பல்கலைக்கழக இலச்சினையுடன் வழங்குகிறது.

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

Place of Study : A.D.M. COLLEGE FOR WOMEN(Autonomous), NAGAPPATTINAM.

Title of the Thesis

"A STUDY ON DOMINATION IN FUZZY GRAPHS"



ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagappattinam (Dt) Tamil Nadu.

Given under the seal of the University.



திருச்சிராப்பள்ளி
Tiruchirappalli

நாள் :
Date : 1st October 2019

ISSUED ON : 24-08-2021

பதிவாளர் Registrar

துணைவேந்தர் Vice - Chancellor

0 095153



Centre Code : 15 Reg.No. 49521-Pf.D-MAT



Code no. 4E071 : 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

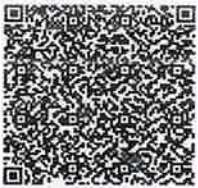
பாரதிதாசன் பல்கலைக்கழக ஆட்சிக் குழு ஜூன் 2019
ஆம் ஆண்டு கமலநாதன் சா என்பவர்
கணிதவியல் பிரிவில் முனைவர்
என்னும் பட்டத்திற்குத் தகுதி பெற்றவர் என்று தக்க தேர்வாளர்கள்
சான்றளித்தபடி முனைவர் என்னும் பட்டத்தை அவருக்குப்
பல்கலைக்கழக இலச்சினையுடன் வழங்குகிறது.

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

Place of Study : TRANQUEBAR BISHOP MANICKAM LUTHERAN COLLEGE PORAYAR.

Title of the Thesis

"CONTRIBUTION TO THE STUDY ON RANKING METHODS ON FUZZY
NUMBERS"



Given under the seal of the University.

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

பதிவாளர் Registrar

P. Manisankar
துணைவேந்தர் Vice - Chancellor

திருச்சிராப்பள்ளி
Tiruchirappalli

நாள் :
Date : 1st October 2019

ISSUED ON : 01-10-2019

0 000678



Bharathidasan University

(Re-accredited with 'A' Grade by NAAC) A+ in 3rd Cycle

Tiruchirappalli



FOLIO NO: 6193

PROVISIONAL CERTIFICATE

This to certify that **MANJU K**

has qualified for the Degree of DOCTOR OF PHILOSOPHY IN MATHEMATICS

he/she having been declared eligible for the same from 5th JANUARY 2022 onwards.

[Handwritten signature]

ATTESTED

[Handwritten signature]

Dr. S. RAMABALAN, M.E., Ph.D.,

PRINCIPAL

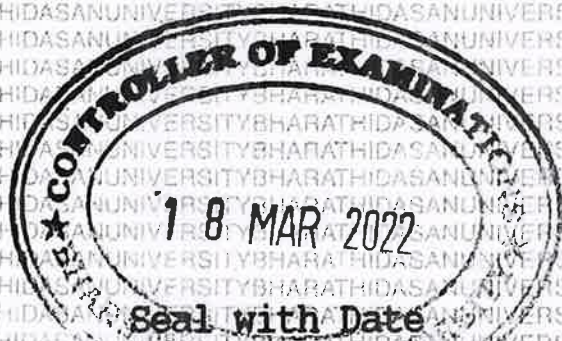
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 602,
Nagapattinam (Dt) Tamil Nadu.

HIGHLY COMMENDED

[Handwritten signature]
M. Sankar

Section Head

[Handwritten signature]
Controller of Examinations



Seal with Date

Centre Code : 13 Reg.No. 14210-Ph.D.-MAT



Code no. A9988 : 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)



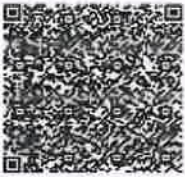
அறிவியல் புலம் FACULTY OF SCIENCE

பாரதிதாசன் பல்கலைக்கழக ஆட்சிக் குழு அக்டோபர் 2021
ஆம் ஆண்டு தாரணி ச என்பவர்
கணிதவியல் பாடத்தில் முனைவர்
பட்டத்திற்குத் தகுதி பெற்றவர் என்று தக்க தேர்வாளர்கள்
சான்றளித்தபடி முனைவர் பட்டத்தை அவருக்குப்
பல்கலைக்கழக இலச்சினையுடன் வழங்குகிறது.

The Syndicate of the **BHARATHIDASAN UNIVERSITY** hereby makes
known that **THARANI S** has been admitted
to the Degree of **DOCTOR OF PHILOSOPHY,** in the subject
MATHEMATICS, having been certified
by duly appointed Examiners to be qualified to receive
the same in **OCTOBER 2021.**

Place of Study : A.D.M. COLLEGE FOR WOMEN(Autonomous), NAGAPPATTINAM.

"Ph.D. Degree has been awarded in accordance with the Minimum Standards and
Procedure of the Regulations of the University Grants Commission 2016".



Title of the Thesis
"A STUDY ON FUZZY SOFT DIGRAPHS AND ITS APPLICATIONS" **ATTESTED**

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

Given under the seal of the University.



திருச்சிராப்பள்ளி
Tiruchirappalli

K
பதிவாளர் Registrar

M
தொண்டைநகர் Vice - Chancellor

O 103493

நாள் :
Date : 9th December 2021

ISSUED ON : 09-12-2021



Code No. 008C7-S.No. 67402

பாரதிதாசன் பல்கலைக்கழகம் BHARATHIDASAN UNIVERSITY

Re-accredited with 'A' Grade by NAAC

(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 மார்ச் 2017

ஆம் ஆண்டு

ப. ஜமுனா தேவி

என்பவர்

கணிதவியல்

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 **P. JAMUNA DEVI** has been admitted to the Degree of **DOCTOR OF PHILOSOPHY**, in the subject **MATHEMATICS**, having been certified by duly appointed Examiners to be qualified to receive the same in **MARCH 2017**.

Thesis Title

"A STUDY ON DECISION MAKING MODELS AND RELATED TOPICS AND ITS APPLICATIONS TO REAL LIFE PROBLEMS"

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL

Given under the seal of the University, E.G.S. Pillay Engineering College,
Thethi Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.


Registrar


Vice - Chancellor

திருச்சிரப்பள்ளி
Tiruchirappalli

நாள்:
Date:

21st February 2018

ISSUED ON :

21-02-2018

L 055642



Code No. 008D8 :S.No. 988813

பாரதிதாசன் பல்கலைக்கழகம் BHARATHIDASAN UNIVERSITY

Re-accredited with 'A' Grade by NAAC

(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 நவம்பர் 2015

ஆம் ஆண்டு ஜி. பார்த்தீபன் என்பவர்
கணிதவியல் 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 J. PARTHEEBAN has been admitted to the Degree of DOCTOR OF PHILOSOPHY, in the subject MATHEMATICS, having been certified by duly appointed Examiners to be qualified to receive the same in NOVEMBER 2015.

Thesis Title

"CONTRIBUTIONS TO THE STUDY ON FUZZY SETS AND FUZZY LOGIC WITH APPLICATIONS"

Given under the seal of the University.



திருச்சிராப்பள்ளி 14th October 2016
Tiruchirappalli

பதிவாளர் Registrar

துணைவேந்தர் Vice-Chancellor

K 057176

நாள் :
Date 14-10-2016

ISSUED ON



ATTESTED
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.



*hereby confers the degree of
Doctor of Philosophy
of the institute
on*

EDWARD ANAND E

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

**CORROSION AND TRIBOLOGICAL STUDIES ON
PULSE ELECTRODEPOSITED COBALT BASED COATINGS
REINFORCED WITH CARBON NANOTUBES**

at the viva-voce examination held on Twenty Ninth June 2015

*Given this day the twenty second of August, 2015
Under the seal of the Institute*



TIRUCHIRAPPALLI - 620 015, INDIA



A. Srinivasan
Registrar

Shuler
Director

K. M. Srinivasan
Chairperson,
Board of Governors

ATTESTED
[Signature]
Dr. S. RAMADALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.



Code No. 008CE S.No. 69032

பாரதிதாசன் பல்கலைக்கழகம் BHARATHIDASAN UNIVERSITY

Re-accredited with 'A' Grade by NAAC

(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 டிசம்பர் 2017

ஆம் ஆண்டு ந. மூர்த்தி என்பவர்
இயற்பியல் 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 **N. MOORTHY** has been admitted
to the Degree of DOCTOR OF PHILOSOPHY, in the subject
PHYSICS, having been certified by duly
appointed Examiners to be qualified to receive the same in
DECEMBER 2017.

Thesis Title

"QUANTUM CHEMICAL CALCULATIONS AND SPECTRAL ANALYSIS OF SOME
ORGANIC NON LINEAR OPTICAL CRYSTALS"

Given under the seal of the University.



திருச்சிராப்பள்ளி
Tiruchirappalli

நாள்: 21st February 2018
Date :
ISSUED ON : 21-02-2018

R. Kamal
பதிவாளர் Registrar

P. Manisankar
தலைவரவர்கள் Vice - Chancellor

L 056252

ATTESTED
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.



Bharathidasan University
(Accredited with A+ Grade by NAAC in the Third Cycle)
Tiruchirappalli

FOLIO NO: 6057

PROVISIONAL CERTIFICATE

This to certify that **PRINCE RICHARD J**

has qualified for the Degree of **DOCTOR OF PHILOSOPHY IN PHYSICS**

he/she having been declared eligible for the same from **24th NOVEMBER 2021 onwards**



HIGHLY COMMENDED

A. K. M.
Section Head

S. Ramabalan
Controller of Examinations

ATTESTED
S. Ramabalan
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Centre Code : 15 Reg.No. 32688-Ph.D-PHY



Code no. F3A4E : 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

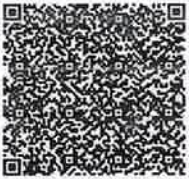
பாரதிதாசன் பல்கலைக்கழக ஆட்சிக் குழு பிப்ரவரி 2019
ஆம் ஆண்டு சதீஷ் குமார் ரா என்பவர்
இயற்பியல் பிரிவில் முனைவர்
என்னும் பட்டத்திற்குத் தகுதி பெற்றவர் என்று தக்க தேர்வாளர்கள்
சான்றளித்தபடி முனைவர் என்னும் பட்டத்தை அவருக்குப்
பல்கலைக்கழக இலச்சினையுடன் வழங்குகிறது.

The Syndicate of the **BHARATHIDASAN UNIVERSITY** hereby makes
known that **SATHISH KUMAR R** has been admitted
to the Degree of **DOCTOR OF PHILOSOPHY,** in the subject
PHYSICS, having been certified
by duly appointed Examiners to be qualified to receive
the same in **FEBRUARY 2019.**

Place of Study : TRANQUEBAR BISHOP MANICKAM LUTHERAN COLLEGE PORAYAR.

Title of the Thesis

"EFFECT OF DOPING Co, Fe AND Mg IN NiO NANOCCLUSERS AND THEIR
OPTIMIZATION TOWARDS ROOM TEMPERATURE FERROMAGNETIC
APPLICATIONS"



Given under the seal of the University.

ATTESTED
[Signature]
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu
[Signature]
P. Manisankar

[Signature]
பதிவாளர் Registrar

துணைவேந்தர் Vice - Chancellor

திருச்சிராப்பள்ளி
Tiruchirappalli

நாள் :
Date : 1st October 2019

ISSUED ON : 01-10-2019

0 000302

Centre Code : 33 Reg.No. 27476-05.0-2017



Code no. D705E4 : 2.90



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 U.C.A. number 20 and 12(B) of 1968 Act;
Member, Association of Indian Universities and Association of Commonwealth Universities)



அறிவியல் புலம் FACULTY OF SCIENCE

பாரதிதாசன் பல்கலைக்கழக ஆட்சிக் குழு ஜனவரி 2019
ஆம் ஆண்டு **செந்தில்அரசன் கு** என்பவர்
இயற்பியல் 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 **SENTHILARASAN K** has been admitted
to the Degree of **DOCTOR OF PHILOSOPHY,** in the subject
PHYSICS, having been certified
by duly appointed Examiners to be qualified to receive
the same in **JANUARY 2019.**

Place of Study: URUMU DHANALAKSHMI COLLEGE KATTUR TRUCHIRAPPALLI

Title of the Thesis

"SYNTHESIS AND CHARACTERIZATION OF NANO COMPOSITES OF
HYDROXYAPATITE WITH BIOPOLYMERS FOR PHARMACEUTICAL
APPLICATIONS"



Given under the seal of the University.



திருச்சிரப்பள்ளி
Truchirappalli

திகதி :
Date : 1st October 2019

ISSUED ON 01-10-2019

R. Srinivasan
பதிவுகாரர் Registrar

P. Manisankar
முகாமலாளர் Vice - Chancellor

000290

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

H 074565



Code No. 00690 :S.No. 733319

பாரதிதாசன் பல்கலைக்கழகம்
BHARATHIDASAN UNIVERSITY

(Established by the Government of Tamil Nadu in 1982; Recognized by UGC under 21 and 12B of UGC Act;
Member, Association of Indian Universities and Association of Commonwealth Universities; Accredited by NAAC with 'A' Grade)

அறிவியல் புலம்
FACULTY OF SCIENCE

பாரதிதாசன் பல்கலைக்கழக ஆட்சிக் குழு ஆகஸ்டு 2013

ஆம் ஆண்டு **சு. பொன்சடை லெஷ்மி** என்பவர்
வேதியியல் பிரிவில் முனைவர் என்னும்
பட்டத்திற்குத் தகுதி பெற்றவர் என்று தக்க தேர்வாளர்கள் சான்றளித்தபடி
முனைவர் என்னும் பட்டத்தை அவருக்குப் பல்கலைக்கழக
இலச்சிணையுடன் வழங்குகிறது.

The Syndicate of the **BHARATHIDASAN UNIVERSITY** hereby makes
known that **S. PONSADAI LAKSHMI** 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
AUGUST 2013.

Thesis Title

"WATER QUALITY ASSESSMENT AND MONITORING IN AND
AROUND MAYILADUTHURAI OF NAGAPATTINAM DISTRICT"



Given under the seal of the University.

திருச்சிரப்பள்ளி
Tiruchirappalli

நாள் : 25th November 2013
Date :

பத்வாணி Registrar

AUTHORIZED SIGNATORY
For
துணைவேந்தர் Vice - Chancellor

ISSUED ON : 25 NOV 2013

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.



அறிவியற் புலம்
FACULTY OF SCIENCE

மனோன்மனியம் சுந்தரனார் பல்கலைக்கழக ஆட்சிக்குழு

கோபி சி

வேதியியல் பாடப்பிரிவில்

அந்நூர் பட்டம் பெறுவதற்குத் தகுதியுடையவர் என முறையாக அமைக்கப்பெற்ற தேர்வினோர் சான்றளித்தவாறு டிசம்பர் 2015 ஆம் ஆண்டில் இப் பட்டப்பேற்றுக்கு உரியவர் ஆகின்றார் என இதன்வழி அறிவிக்கின்றது.

பல்கலைக்கழக முத்திரையுடன் இது வழங்கப்படுகின்றது.

The Syndicate of the MANONMANIAM SUNDARANAR UNIVERSITY hereby makes known that GOPI C has been admitted to the Degree of Doctor of Philosophy in CHEMISTRY.

he/she having been certified by duly appointed Examiners to be qualified to receive the same in the year DECEMBER 2015



Given under the seal of the University.

Shikhar
(Dr.S.Prabakar)

John De Britto
(Dr.A.John De Britto)

Selvi. Apoorva I.A.S.
(Selvi. Apoorva I.A.S.)
(Convenor)

திருநெல்வேலி, இந்தியா
Tirunelveli, India
நாள், Dated13.02.2016

தேர்வாணையர்
Controller of Examinations

பதிவாளர்
Registrar

குணை வேந்தர்
Vice-Chancellor

ATTESTED

Dr. S. Ramabalan
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Tholai, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.



Code No. 0493C -S.No. 869561

பாரதிதாசன் பல்கலைக்கழகம் BHARATHIDASAN UNIVERSITY

Re-accredited with 'A' Grade by NAAC

(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 செப்டம்பர் 2015

ஆம் ஆண்டு

அ. சார்லஸ்

என்பவர்

வேதியியல்

பிரிவில்

முனைவர்

என்னும்

பட்டத்திற்குத் தகுதி பெற்றவர் என்று தக்க தேர்வாளர்கள் சான்றுளித்தபடி

முனைவர்

என்னும்

பட்டத்தை

அவருக்குப்

பல்கலைக்கழக

இலச்சினையுடன் வழங்குகிறது.

The Syndicate of the BHARATHIDASAN UNIVERSITY hereby makes known that A. CHARLES 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 SEPTEMBER 2015.

Thesis Title

"PHYTOCHEMICAL AND BIOACTIVITY STUDIES OF ALSEODAPHNE SEMECARPIFOLIA NEES AND THUNBERGIA FRAGRANS ROXB"

Given under the seal of the University.



திருச்சிரப்பள்ளி
Tiruchirappalli

05th November 2015

தள்ளு :
Date :

ISSUED ON : 05-11-2015

பதிவாளர் Registrar

துணைவேந்தர் Vice-Chancellor

J 033671

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thehti, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.



FACULTY OF SCIENCE

2017 ஆம் ஆண்டில் சென்னைப் பல்கலைக்கழகத்தில் ஆய்வு நிகழ்த்தி வழங்கிய ஆய்வேட்டுக்காக முனைவர் பட்டம் பெறத் தகுதியுடையவர் என்று தக்க தேர்வாளர்களால் சான்றளிக்கப்பட்டு விஜயசுந்தரம் சீ வா என்பவருக்கு முனைவர் பட்டம் அளிக்கப்படுகிறது என்று சென்னைப் பல்கலைக்கழகப் பேரவை அறிவிக்கிறது.

சென்னைப் பல்கலைக்கழக இலச்சினையுடன், சென்னையில் 2017 ஆம் ஆண்டு ஜூலை 15 திங்கள் 15 ஆம் நாள் அளிக்கப்பட்டது.

The Senate of the University of Madras hereby makes known that VIJAYASUNDARAM S V 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 15th day of July 2017.

Title of the Thesis : "SYNTHESIS AND PROPERTY STUDIES OF PURE, Gd AND Co DOPED BISMUTH FERRITE (BiFeO₃) NANOPARTICLES"
ஆய்வுத் தலைப்பு : (Physics)

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

P. Kannan
பதிவாளர்
Registrar



P. P. Manoj
துணை வேந்தர்
Vice-Chancellor

ATTESTED
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Theethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

Folio :D 06354



BHARATHIAR UNIVERSITY

COIMBATORE - 641 046

Ph.D. PROVISIONAL CERTIFICATE

This is to certify that

ADWIN JOSE P

has qualified for

the award of the Degree of

DOCTOR OF PHILOSOPHY

of this University in

CHEMISTRY

on **05/10/2020**

after having

completed the requirements prescribed for the award of the Degree.



Coimbatore 641 046

Date : **03 DEC 2020**

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu

Controller of Examinations

No. 131196



அண்ணாமலைப் பல்கலைக்கழகம்

ANNAMALAI UNIVERSITY



கலையியற்புலம்
FACULTY OF ARTS

நவம்பர், 2014 இல்

ஆங்கிலம்

பிரிவில் நடத்திய தேர்வுகளில்

அசாருதீன் நெ

தேர்ச்சியடைந்து ஆய்வேட்டை மதிப்பிட முறையாக அமைக்கப்பெற்ற தேர்வுக்குழுவினர் சான்றளித்தபடி,

ஆய்வியல் அறிஞர்

பட்டம் பெறுவதற்கு உரியவர் ஆகின்றார்

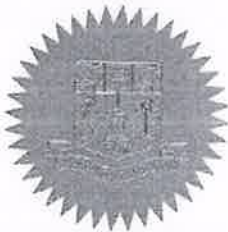
என அண்ணாமலைப் பல்கலைக்கழக ஆட்சிக் குழு இதன்வழி அறிவிக்கின்றது.

The Syndicate of the *ANNAMALAI UNIVERSITY* hereby makes known that **ASHARUDEEN N** 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 **NOVEMBER, 2014**.

TITLE OF THE THESIS

AN ANALYSIS OF FLUSTERED CHARACTERS IN THE SELECT PLAYS OF SAM SHEPARD

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 (t/c)

ATTESTED
Dr. S. Ramabalan
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Dr. S. Manian
Dr. S. Manian
துணை வேந்தர்
Vice-Chancellor

தமிழ் பல்கலைக்கழகம்



TAMIL UNIVERSITY
THANJAVUR
TAMIL NADU, INDIA

தஞ்சாவூர்
தமிழ்நாடு, இந்தியா

வ.எண்: 09050
Folio No:-

வளர்தமிழ்ப் புலம்

Faculty of DEVELOPING TAMIL

தமிழ்ப் பல்கலைக்கழக ஆட்சிக் குழு 2007

The Syndicate of Tamil University hereby makes

ஆம் ஆண்டு மொழிபெயர்ப்புத் துறையில்
முனைவர் பட்டத்திற்குத் தகுதிபெற்றவர் என முறையாக
அமைக்கப்பெற்ற தேர்வாளர்கள் சான்றளித்தவாறு
சு.திருநாவுக்கரசு அவர்களுக்கு முனைவர்
பட்டத்தைப் பல்கலைக்கழக இலச்சினையுடன் வழங்குகிறது.

known that the Degree of **DOCTOR OF PHILOSOPHY**
in **TRANSLATION**
has been conferred upon **S.THIRUNAVUKKARASU**
he / she having been certified by duly appointed examiners
to be qualified to receive the same in the year **2007**.

Given under the Seal of the University.



ஆய்வுத் தலைப்பு : மேல்நிலைப் பள்ளி மாணவர்களின் மொழிபெயர்ப்பு ஆற்றல்

பாடம் : ஆங்கிலம் / ENGLISH

நாள்: 21 DEC 2009 தஞ்சாவூர்
Date: Thanjavur

பதிவாளர்
REGISTRAR

குழைவேந்தர்
VICE CHANCELLOR

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 007
Nagapattinam (Dt) Tamil N.