



# COIMBATORE INSTITUTE OF TECHNOLOGY

(Government Aided Autonomous Institution)

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

Established in 1956, A Unit of V.Rangasamy Naidu Educational Trust CIVIL

AERODROME POST, COIMBATORE-641 014, TAMILNADU, INDIA

## Criterion II – Teaching-Learning and Evaluation

### Key Indicator: 2.4 Teacher Profile and Quality

*2.4.2. Percentage of full-time teachers with Ph.D./D.Sc. / D.Litt./ L.L.D during the last five years*

*2.4.2.1: Number of full-time teachers with Ph.D./D.Sc. / D.Litt./ L.L.D during the last five years*

### Contents

- Copies of Ph.D./D.Sc. /D.Litt./ L.L.D awarded by UGC recognized universities.



பாரதியார் பல்கலைக் கழகம்  
Bharathiar University

அறிவியல் புவியியல்  
FACULTY OF SCIENCE

பாரதியார் பல்கலைக் கழகத்தின் முடிவாக அமைக்கப்பட்ட தேர்வுகள் குழு  
செய்தேறுபவர்: **2018** ஆம் ஆண்டு: மார்ச் 26, 2018 ல் **இயற்பியல்**  
மதுரை மலையாள அறிவியல் அறிஞர் மதுரை பல்கலைக் கழகம் தலைமை அறிவுரைகள் மதுரைத்தலை  
மதுரை அறிவியல் அறிஞர் பல்கலைக் கழகம் தலைமை அறிவுரைகள் மதுரைத்தலை  
பாரதியார் பல்கலைக் கழக ஆட்சித் துறை அறிவுரைகள்

The Senate of the Bharathiar University hereby order that **SANJEEVKUMAR R**  
has been admitted to the Degree of **DOCTOR OF PHILOSOPHY** in **PHYSICS**,  
Having been certified by duly appointed Examiners to be qualified to receive the same on **26th MARCH 2018**.

Given under the Seal of the University.



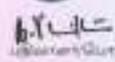
Amesiyar  
Coimbatore  
கி. 2018

Date: 26th February 2018

  
Controller of Examinations (Co)

Controller of Examinations (Co)



  
Registrar (R)

Registrar (R)

  
Vice-Chancellor

Vice-Chancellor



பாரதியார் பல்கலைக் கழகம்  
Bharathiar University

அறிவியல் தரவ  
FACULTY OF SCIENCE

பாரதியார் பல்கலைக் கழகத்தால்  
புள்ளியியல் தரவ 2010-ஆம் ஆண்டு ஏப்ரல் 23-ஆம் திகதி இயற்றிய  
அறிவியல் அறிஞர் மன்றம்  
பாரதியார் பல்கலைக் கழக ஆய்விதழ் குழு அங்கீகரிக்கப்பட்டது

The Synicate of the Bharathiar University hereby inform that  
has been admitted to the Degree of **DOCTOR OF PHILOSOPHY** in **PHYSICS**,  
having been certified by duly appointed Examiners to be qualified to receive the same on **23rd APRIL 2010**.

Given under the Seal of the University.



K. G. Senthil Kumar  
Controller of Examinations

Registrar

Vice-Chancellor



சென்னை  
கொழும்புறை  
தமிழ்நாடு  
பாரதியார் பல்கலைக் கழகம்

Date: 15th July 2010

C No 246274

Reg. No. 05PH 09



**AVINASHILINGAM UNIVERSITY FOR WOMEN**  
(Established under section 3 of the UGC Act 1956 vide Notification No. F-8-2074-2-2 dated 21 June 1983 of the Government of India)  
**COIMBATORE - 43**

**FACULTY OF SCIENCE**

*The Syndicate of the Avinashilingam University for Women hereby makes known that*  
**VASANTHA, S.**

*has been admitted to the Degree of* **DOCTOR OF PHILOSOPHY** *in*  
**PHYSICS** *having been certified by duly appointed*  
*Examiners to be qualified to receive the same, in* **JUNE 2009**



*Given under the Seal of the University.*

*[Signature]*  
Registrar

Date : 15.10.2009

*[Signature]*  
CHANCELLOR

*[Signature]*  
Vice-Chancellor

नमूनांक 06/9480  
Enrollment No.

**जय नारायण व्यास विश्वविद्यालय  
जोधपुर**

(पूर्व जोधपुर विश्वविद्यालय)

प्रमाणित किया जाता है कि

सुरेश पी.

पुत्र/पुत्री श्रीमती कृष्णावेल्ली पी.

एवं श्री पण्णुसामी के.

ने इस विश्वविद्यालय से 2009 में

**डॉक्टर ऑफ फिलॉसॉफी**

भौतिक विज्ञान

की उपाधि प्राप्त की

शोध-प्रबन्ध का विषय निम्नलिखित था

INVESTIGATION OF PHOTOVOLTAIC  
DEVICES BASED ON HYBRID INORGANIC  
-ORGANIC BLENDS

**JAI NARAIN VYAS UNIVERSITY  
JODHPUR**

(EARLYTIME UNIVERSITY OF JODHPUR)

This is to certify that

SURESH, P.

Son/Daughter of Smt. KRISHNAVELLI P.

and Shri. PANNUSAMY K.

obtained the degree of

**DOCTOR OF PHILOSOPHY**

PHYSICS

of this University in 2009

The topic of his/her research was

INVESTIGATION OF PHOTOVOLTAIC  
DEVICES BASED ON HYBRID INORGANIC  
-ORGANIC BLENDS

Prof. Suresh Kumar

Vice-Chancellor

Conferred by Senate on



संख्यांक 06/09332  
Enrolment No.

## जय नारायण व्यास विश्वविद्यालय जोधपुर

( पूर्व जोधपुर विश्वविद्यालय )

प्रमाणित किया जाता है कि  
बालराज पी.

पुत्र/पुत्री श्रीमती अरुक्कानी  
एवं श्री पलानिसामी

ने इस विश्वविद्यालय से 2009 में

### डॉक्टर ऑफ फिलॉसॉफी

भौतिक विज्ञान

की उपाधि प्राप्त की

शोध-प्रबन्ध का विषय निम्नलिखित था

ELECTRICAL AND PHOTOVOLTAIC  
PROPERTIES OF ORGANIC BULK HETERO-  
JUNCTIONS

### JAI NARAIN VYAS UNIVERSITY JODHPUR

( ERSTWHILE UNIVERSITY OF JODHPUR )

This is to certify that

BALRAJU P.

Son/Daughter of Smt. ARUKKANI  
and Shri PALANISAMY

obtained the degree of

### DOCTOR OF PHILOSOPHY

PHYSICS

of this University in 2009

The topic of his/her research was

ELECTRICAL AND PHOTOVOLTAIC  
PROPERTIES OF ORGANIC BULK HETERO-  
JUNCTIONS

Vice-Chancellor

वाइस-चान्सेलर

Conferred by Senate on 17 MAR 2010



P. D. J.



பாரதியார் பல்கலைக் கழகம்  
Bharathiar University

அறிவியல் புலம்  
FACULTY OF SCIENCE

பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட Department of  
மேன்மை ம. 2010ஆம் ஆண்டு, பிப்ரவரி 18ஆம் திகில் இயற்பியல் பட்டம் பெறும்  
ஆய்வியல் அறிஞர் சந்திரன் மட்டம் சேந்திரன் அறிவியல் துறையின்  
பட்டம் பெற்றவர் என்பது உறுதிப்படுத்தப்பட்டுள்ளது. பட்டம் பெற்றவர்  
பாரதியார் பல்கலைக் கழக ஆட்சிக்குழு முன்புள்ளும்

The Senate of the Bharathiar University hereby notify that VIJAY M  
has been admitted to the Degree of DOCTOR OF PHILOSOPHY in PHYSICS,  
having been certified by duly appointed Examiners to be qualified to receive the same on 18th FEBRUARY 2010.



கொடைக்குளம்  
Coimbatore  
Date: 15th July 2010

Given under the Seal of the University  
K. G. Senthirane  
Controller of Examinations



Registrar

Vice-Chancellor

C No 246273



புலியூர் பல்கலைக் கழகம்  
Bharathiar University

அறிவியல் பி.ஓ.  
FACULTY OF SCIENCE

புலியூர் பல்கலைக் கழகம்  
Bharathiar University  
அறிவியல் பி.ஓ.  
Faculty of Science  
2019 ஆம் ஆண்டு ஜூன் 17 ஆம் திகதி  
2019  
புலியூர் பல்கலைக் கழகம்  
Bharathiar University  
அறிவியல் பி.ஓ.  
Faculty of Science  
2019 ஆம் ஆண்டு ஜூன் 17 ஆம் திகதி  
2019

The Syllabus of the Bharathiar University Faculty under which the **VENNELA A B**  
has been admitted to the Degree of **DOCTOR OF PHILOSOPHY** in **PHYSICS**,  
having been verified by duly appointed Examiners to be qualified to receive the same on **17th JULY 2019**.

Given under the seal of the University



செயலாளர்  
Coordinator  
2019

Dated: 18th December 2018. Controller of Examinations (C)

Controller of Examinations (C)

Registrar (R)

Vice-Chancellor



பாரதியார் பல்கலைக் கழகம்  
Bharathiar University



அறிவியல் புலம்  
FACULTY OF SCIENCE

பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு, சோமசுந்தரம் இரா ச, 2014ஆம் ஆண்டு, செப்டம்பர் 8ஆம் நாளில் கணிப்பான் அறிவியல் 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 **SOMASUNDARAM R S** 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 **8th SEPTEMBER 2014**.



கோயம்புத்தூர்

Coimbatore

600014

நாள்

Dated: 22nd December 2014 Controller of Examinations i/c

Given under the Seal of the University.



தேர்வாளர்(பொ)

பதிவாளர்

Registrar

துணைவேந்தர்

Vice-Chancellor

A058605

अनुक्रमांक / Enrol No : 06MPC10



# हैदराबाद विश्वविद्यालय University of Hyderabad

प्रमाणित किया जाता है कि  
सपना पि जी

को

*गणित और कंप्यूटर सूचना विज्ञान*

*संकाय में*

शोध-प्रबंध प्रस्तुत करने एवं सभी अपेक्षाओं को  
सफलतापूर्वक पूर्ण करने पर सन् 2011 में

**डॉक्टर ऑफ़ फ़िलॉसफी**

की उपाधि प्रदान की गयी है



*This is to certify that*

**SAPNA P G**

*having submitted a thesis in the*

*School of Maths & Computer / Info. Sci.*

*and having successfully completed all the requirements*

*has been admitted to the degree of*

**Doctor of Philosophy**

*in the year 2011*

विश्वविद्यालय की महर के अधीन प्रदत्त  
Given under the seal of the University

कुल सचिव  
Registrar

कुलपति  
Vice-Chancellor

हैदराबाद / Hyderabad, दिनांक / Dated 1 OCT 2011

# Anna University



Reg.No. 100910122041/RG

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

**INGENIOUS TECHNIQUES FOR SECURE AND PRIVACY PRESERVING FREQUENT ITEMSET GENERATION FOR IN-HOUSE AND OUTSOURCED DATA MINING**

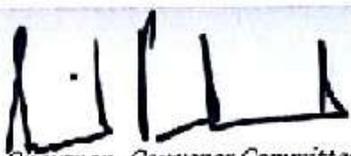
*Given under the Seal of the University*



Chennai 600 025  
India  
May 2017

  
Controller of Examinations

  
Registrar

  
Chairman, Convener Committee  
Vice Chancellor



பாரதியார் பல்கலைக்கழகம்  
BHARATHIAR UNIVERSITY  
அறிவியல் புலம்  
FACULTY OF SCIENCE

பாரதியார் பல்கலைக்கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு சாவித்திரி வே, 2019ஆம் ஆண்டு டிசம்பர் 20ல் ஆய்வியல் அறிஞர் என்னும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றளித்ததை ஏற்று அவருக்கு அந்தப் பட்டத்தைப் பல்கலைக்கழக இலச்சினையுடன் பாரதியார் பல்கலைக்கழக ஆட்சிக்குழு வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby makes known that SAVITHRI V has been admitted to the Degree of DOCTOR OF PHILOSOPHY having been certified by duly appointed Examiners to be qualified to receive the same on 20th DECEMBER 2019.

Title of the Thesis : Design and development of dynamic congestion control approach to improve the quality of voice over MANET

Subject : COMPUTER APPLICATIONS

Given under the seal of the University



தேர்வாளர் (பொ)  
Controller of Examinations i/c

பதிவாளர் (பொ)  
Registrar i/c



செயல்புத்தர  
Coimbatore  
நாள்  
Dated: 13<sup>th</sup> May 2022.  
skphd650

துணைவேந்தர்  
Vice-Chancellor



பாரதியார் பல்கலைக்கழகம்  
BHARATHIAR UNIVERSITY  
அறிவியல் புலம்  
FACULTY OF SCIENCE

பாரதியார் பல்கலைக்கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு சாவித்திரி வே, 2019ஆம் ஆண்டு டிசம்பர் 20ல் ஆய்வியல் அறிஞர் என்னும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றளித்ததை ஏற்று அவருக்கு அந்தப் பட்டத்தைப் பல்கலைக்கழக இலச்சினையுடன் பாரதியார் பல்கலைக்கழக ஆட்சிக்குழு வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby makes known that SAVITHRI V has been admitted to the Degree of DOCTOR OF PHILOSOPHY having been certified by duly appointed Examiners to be qualified to receive the same on 20th DECEMBER 2019.

Title of the Thesis : Design and development of dynamic congestion control approach to improve the quality of voice over MANET

Subject : COMPUTER APPLICATIONS

Given under the seal of the University



தேர்வாளர் (பொ)  
Controller of Examinations i/c

பதிவாளர் (பொ)  
Registrar i/c



செயல்புத்தர  
Coimbatore  
நகர்

Dated: 13<sup>th</sup> May 2022.  
skphd650

துணைவேந்தர்  
Vice-Chancellor

# Anna University



Reg.No.71010122049/RG



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

*Title of the Thesis:*

**COMPRESSION OF DICOM FILE USING UNIFORM SPATIAL PATTERN RUN LENGTH ENCODING**

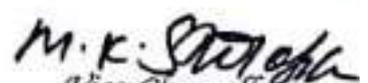
*Given under the seal of the University*



Chennai 600025  
India  
June 2018  
PUNJABI

  
Controller of Examinations  
SIKAPPI S

  
Registrar

  
Vice-Chancellor

# Anna University



Reg.No. U1110131028/RG

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

**FUZZIFICATION OF HUMANOID ROBOTIC SYSTEM BY QUANTIZATION IN NON MONOTONE NEURAL SCHEMA**

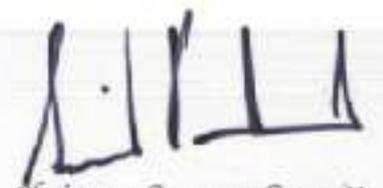
Given under the Seal of the University



Chennai 600 025  
India  
May 2017

  
Controller of Examinations

  
Registrar

  
Chairman, Convener Committee  
Vice-Chancellor

# Anna University



Reg.No. 11110132044/RG

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

*Title of the Thesis:*

**ENHANCEMENT OF REMOTE DATA POSSESSION CHECKING  
PROTOCOL FOR EFFICIENT CLOUD DATA INTEGRITY  
VERIFICATION**



*Given under the Seal of the University*

Chennai 600 025  
India  
March 2021  
KAMITHAN

Controller of Examinations

Registrar

Vice-Chancellor

# Anna University



Reg.No. 2006769146/RG

*The Syndicate of the Anna University hereby makes known that*  
**JONA J B** *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* **2013**.

*Title of the Thesis:*

**NATURE-INSPIRED HYBRID METAHEURISTIC TECHNIQUES FOR FEATURE SELECTION IN DIGITAL MAMMOGRAPHY**

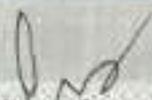
*Given under the Seal of the University*



Chennai 600 025  
India  
November 2013

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor



# பாரதியார் பல்கலைக் கழகம் Bharathiar University

சமூக அறிவியல் புலம்  
FACULTY OF SOCIAL SCIENCES

பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு செந்தில் மு. 2000 ஆம் ஆண்டு, சனவரி 31 ஆம் தாள் மேலாண்மைக்கியல் என்றும் பிரிவில் ஆய்வியல் அறிஞர் என்றும் பட்டம் பெற தகுதியடைந்திருப்பதாக சான்றிதழை ஏற்ற அலகுக்கு அந்தப் பட்டத்தைப் பரிசீலனை ஆக இலாசியலாசிரியர், பாரதியார் பல்கலைக் கழக ஆட்சிக்குழு உறுப்பினர்.

The Syndicate of the Bharathiar University hereby makes known that **SENTHIL M** has been admitted to the Degree of **DOCTOR OF PHILOSOPHY** in **MANAGEMENT**, having been certified by duly appointed Examiners to be qualified to receive the same on **31st JANUARY 2000**.

Given under the Seal of the University.



சென்னைத்தலைநகர்

Coimbatore

சுயர்

Dated: 5th October 2000

mm

*[Signature]*

பேரவை

Registrar

*[Signature]*

கனம் பேரவை

Vice-Chancellor



# பாரதியார் பல்கலைக் கழகம்

## Bharathiar University

### பொறியியல் புலம்

#### FACULTY OF ENGINEERING

பாரதியார் பல்கலைக் கழகத்தால்  
 செல்லுபடியாகும், அக்டோபர் 1994 ஆம் ஆண்டில் இயந்திரப் பொறியியல் என்றும் பிரிவில்  
 ஆய்வியல் அறிஞர் என்னும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகக் கவுன்சிலரின் தலை  
 ஏற்று, அவருக்கு அந்தப் பட்டத்தைப் பஸ்கலைக் கழக இலச்சினைபுடன்,  
 பாரதியார் பல்கலைக் கழக ஆட்சிக் குழு வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby makes known that SELLADURAI V has been admitted to the Degree of DOCTOR OF PHILOSOPHY in MECHANICAL ENGINEERING, having been certified by duly appointed Examiners to be qualified to receive the same in OCTOBER 1994.

Given under the Seal of the University.



கோயம்புத்தூர்  
 Coimbatore  
 நாள்  
 Dated: - 5 SEP 1995  
 17044

*M. D. Ramani*  
 பதிவாளர்  
 Registrar

*P. Subramanian*  
 துணைவேந்தர்  
 Vice-Chancellor



By the authority granted to the Senate, under the Constitution  
of the University

**JOHN RUDOLPH RAJ A/L RICHARD ISREAL**

has this day been admitted to the degree of

**DOCTOR OF PHILOSOPHY**

**15 June 2015**



Academic Registrar



President



பாரதியார் பல்கலைக் கழகம்  
Bharathiar University

சமூக அறிவியல் மூலம்  
FACULTY OF SOCIAL SCIENCES



பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு,  
ஜெயந்திரா, 2014 ஆம் ஆண்டு, ஏப்ரல் 16 ஆம் நாள், மேலாண்மையியல் என்னும் பிரிவில்  
ஆய்வியல் அறிஞர் என்னும் பெறத் தகுதியடைந்திருப்பதாகக் காண்பரித்தமைத்  
ஏற்றி, அவர்க்கு அந்தப் பட்டத்தைப் பஸ்கலைக் கழக குழு இலாசீரினாள் ஏட்டில்,  
பாரதியார் பல்கலைக் கழக ஆட்சிக் குழு வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby informs that JAYANTHI R  
has been admitted to the Degree of DOCTOR OF PHILOSOPHY in MANAGEMENT,  
having been certified by duly appointed Examiners to be qualified to receive the same on 16th APRIL 2014.

Given under the Seal of the University.



கோயம்புத்தூர்

Coimbatore

041330  
நாள்

கோயம்புத்தூர் (செயர்)

பதிவாளர்

கோயம்புத்தூர்

Dated: 22nd December 2014 Controller of Examinations /C

பதிவாளர்

Vice-Chancellor



A058765



பாரதியார் பல்கலைக் கழகம்  
Bharathiar University

சமூக அறிவியல் புலம்

FACULTY OF SOCIAL SCIENCES

பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு,  
கதா அ ரு, 2011 ஆம் ஆண்டு, ஏப்ரல் 9 ஆம் நாளில் மேலாண்மையியல் என்னும் பிரிவில்  
ஆய்வியல் அறிஞர் என்னும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றளித்ததை  
ஏற்று, அவருக்கு அந்தப் பட்டத்தைப் பல்கலைக் கழக இலச்சினைபுடன்,  
பாரதியார் பல்கலைக் கழக ஆட்சிக் குழு வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby makes known that SUDHA A G  
has been admitted to the Degree of DOCTOR OF PHILOSOPHY in MANAGEMENT,  
having been certified by duly appointed Examiners to be qualified to receive the same on 9th APRIL 2011.



கோயம்புத்தூர்  
Coimbatore  
நாள்

Given under the Seal of the University.

K. G. Senthivan  
தேர்வாளரையர்

Dated: 24th November 2011 Controller of Examinations



பதிவாளர்  
Registrar

துணைவேந்தர்  
Vice-Chancellor



பாரதியார் பல்கலைக்கழகம்  
BHARATHIAR UNIVERSITY  
வணிகவியல் புலம்  
FACULTY OF COMMERCE

பாரதியார் பல்கலைக்கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு கோகுல் குமார் செ, 2021ஆம் ஆண்டு சனவரி 22ல் ஆய்வியல் அறிஞர் என்னும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றளித்ததை ஏற்று அவருக்கு அந்தப் பட்டத்தைப் பல்கலைக்கழக இலச்சினையுடன் பாரதியார் பல்கலைக்கழக ஆட்சிக்குழு வழங்குகின்றது

The Syndicate of the Bharathiar University hereby makes known that GOKUL KUMAR S has been admitted to the Degree of DOCTOR OF PHILOSOPHY having been certified by duly appointed Examiners to be qualified to receive the same on 22nd JANUARY 2021.

Title of the Thesis : A Study on the Non-Performing Assets of Selected Public and Private Sector Banks in India

Subject : COMMERCE

Given under the seal of the University



தேர்வுகணியர் (பொ)

Controller of Examinations i/c

திருவிளையாட்டு  
Registrar i/c



கொயம்புத்தூர்  
Coimbatore  
நாள்

Dated 13th May 2022  
akphd205

துணைவேந்தர்  
Vice-Chancellor

A.No. 0493

Read by	
Examined by	





பாரதியார் பல்கலைக்கழகம்  
BHARATHIAR UNIVERSITY  
சமூக அறிவியல் புலம்  
FACULTY OF SOCIAL SCIENCES

பாரதியார் பல்கலைக்கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு சத்யப் பிரியா த. 2020ஆம் ஆண்டு துலை 16ல் ஆய்வியல் அறிஞர் என்னும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றளித்ததை ஏற்று அவருக்கு அந்தப் பட்டத்தைப் பல்கலைக்கழக இலச்சினையுடன் பாரதியார் பல்கலைக்கழக ஆட்சிக்குழு வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby makes known that SATHYA PRIYA T has been admitted to the Degree of DOCTOR OF PHILOSOPHY having been certified by duly appointed Examiners to be qualified to receive the same on 16th JULY 2020.

Title of the Thesis : A study on the impact of job satisfaction of workers on their organisational performance with special reference to SA8000 certified comapnies in Tirupur apparel cluster

Subject : MANAGEMENT

Given under the seal of the University

தேர்வாளர் (பொ)  
Controller of Examinations i/c

பதிவாளர் (பொ)  
Registrar i/c



கோயம்புத்தூர்  
Coimbatore  
நாள்  
Dated: 13<sup>th</sup> May 2022.  
skphd1718

துணைவேந்தர்  
Vice-Chancellor



பாரதியார் பல்கலைக் கழகம்  
Bharathiar University

சமூக அறிவியல் புவம்  
FACULTY OF SOCIAL SCIENCES

பாரதியார் பல்கலைக் கழகத்தால்  
திலகா சி. 2017 ஆம் ஆண்டு மே 9 ஆம் திகதி மேலாண்மையியல்  
ஆய்வியல் அறிஞர் எனவும் மட்டும் பெறக் தகுதியடைந்திருப்பதுடன்  
எனும் அளவுக்கு அங்கம் மட்டும் தரப்படும் பங்குடன் சமூக இயக்கவியல்  
பாரதியார் பல்கலைக் கழக ஆட்சிக்குழு அங்கீகரிக்கப்பட்டுள்ளது

The Syndicate of the Bharathiar University hereby makes known that **THILAGA S**  
has been admitted to the Degree of **DOCTOR OF PHILOSOPHY** in **MANAGEMENT**,  
having been certified by duly appointed Examiners to be qualified to receive the same on **9th MAY 2017**.



கொழும்புத்தி  
Coimbatore  
600 004

Given under the Seal of the University.

*[Signature]*  
பிரதீபா கந்தசாமி  
Controller of Examinations



*[Signature]*  
பி.வி.கி.  
பதிவாளர் (வ.சா.)  
Registrar (i/c)

*[Signature]*  
திரைவிஜய்  
Vice-Chancellor

Dated: 14th November 2017



**பாரதியார் பல்கலைக் கழகம்**  
**Bharathiar University**

சமூக அறிவியல் புலம்

**FACULTY OF SOCIAL SCIENCES**

பாரதியார் பல்கலைக் கழகத்தால்

தீபா ஜெ, 2017 ஆம் ஆண்டு, மே 9 ஆம்

ஆய்வியல் அறிஞர்

ஏற்று, அவருக்கு

பாரதியார் பல்கலைக் கழக ஆட்சிக் குழு வழங்குகின்றது.

முறைப்பாக

நாளில்

பட்டம்

பட்டத்தைப்

அமைக்கப்பட்ட

மேலாண்மையியல்

பெறத் தகுதியடைந்திருப்பதாகச்

பல்கலைக் கழக

தேர்வாளர்

என்றும்

சான்றளித்ததை

இலக்கினைமுடவர்,

குழு,

பீசியில்

The Syndicate of the Bharathiar University hereby makes known that DEEPA J has been admitted to the Degree of DOCTOR OF PHILOSOPHY in MANAGEMENT, having been certified by duly appointed Examiners to be qualified to receive the same on 9th MAY 2017.

Given under the Seal of the University.



கேள்யடிபஞ்சூர்

Coimbatore

நாள்

  
கேள்யடிபஞ்சூர்

Dated: 14th November 2017 Controller of Examinations

  
புத்வாரணி(பெள)

Registrar(i/c)

  
துவாரகேவந்தர்

Vice-Chancellor

SL NO.: 000145



**Avinashilingam Institute for Home Science and Higher Education for Women**

*(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)*

*Recognized by UGC Under Section 12 B*

Coimbatore - 641 043, Tamil Nadu, India

Roll No. 13PHMAP002

**FACULTY OF SCIENCE**

*The Board of Management of the Avinashilingam Institute for Home Science and Higher Education for Women hereby makes known*

that **Sangeethamani S** 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 in **August, 2020.**



*Given under the Seal of the Institute*

Coimbatore

Date 22-01-2021

Chancellor

Registrar

Vice Chancellor



Reg.No. 4081012104/RG



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

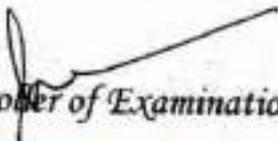
*Title of the Thesis:*

**CONTRIBUTIONS TO SPECIAL PURPOSE MARKOVIAN QUEUEING SYSTEM AND ITS APPLICATIONS IN QUALITY CONTROL**

*Given under the Seal of the University*

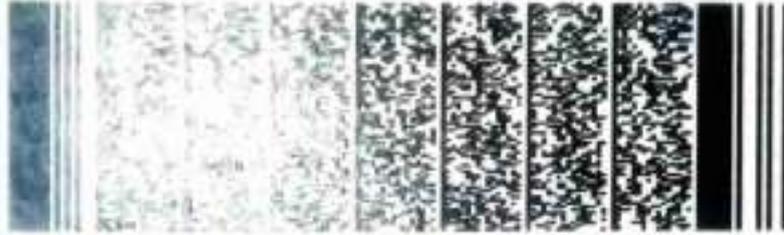


Chennai 600 025  
India  
January 2016

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor



Sl. No. 249747

Read by	<i>D. S. Kish</i>
Verified by	<i>R. Iyer</i>

SL NO.: 000026



**Avinashilingam Institute for Home Science and Higher Education for Women**

*(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)*

*Recognized by UGC Under Section 12.B  
Coimbatore - 641 043, Tamil Nadu, India*

Roll No. 12PHMAP001

### **FACULTY OF SCIENCE**

*The Board of Management of the Avinashilingam Institute for Home  
Science and Higher Education for Women hereby makes known*

*that **Jayasri S** 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 in September, 2017.*

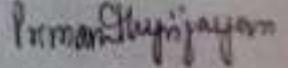


*Given under the Seal of the Institute*

Coimbatore  
Date : 07-01-2018

  
Chancellor

  
Registrar

  
Vice Chancellor



பாரதியார் பல்கலைக் கழகம்  
Bharathiar University



அறிவியல் புலம்  
FACULTY OF SCIENCE

பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு.  
டயானா மேரி செ, 2014ஆம் ஆண்டு, நவம்பர் 17ஆம் திகதியில் கணிதவியல் என்றும் பிரிவில்  
ஆய்வியல் அறிஞர் என்றும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றளித்தவர  
என்று அவருக்கு அந்தப் பட்டத்தைப் பங்களிவுக் கழக இயக்குனரேயுடன்,  
பாரதியார் பல்கலைக் கழக ஆட்சிக் குழு வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby makes known that **DAYANA MARY S**  
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 **17th NOVEMBER 2014**.



A058467

Given under the Seal of the University.



கோயம்புத்தூர்  
Coimbatore  
நகர்

Dated: 22nd December 2014 Controller of Examinations /c

*SRM*  
தேர்வாளர் (பொ)

*Prayanarayana*  
பதிவாளர்  
Registrar

*Joe*  
தலைவர்  
Vice-Chancellor



Code No. 00900 S.No. 868888

# 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 ஜூலை 2015

ஆம் ஆண்டு ரா. பிரபாகரன் 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 **R. PRABAKARAN** 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  
**JULY 2015.**

Thesis Title

"A STUDY ON EXISTENCE AND CONTROLLABILITY OF QUASILINEAR  
IMPULSIVE INTEGRODIFFERENTIAL SYSTEMS IN BANACH SPACE"

Given under the seal of the University.



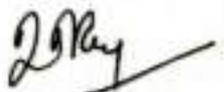
திருச்சிரப்பள்ளி  
Tiruchirappalli

05th November 2015

நாள் :  
Date :

ISSUED ON : 05-11-2015

  
பதிவாளர் Registrar

  
கூலையாளர் Vice-Chancellor

J 033240





பாரதியார் பல்கலைக் கழகம்  
Bharathiar University

அறிவியல் புலம்

FACULTY OF SCIENCE

பாரதியார் பல்கலைக் கழகத்தால்  
லாவண்யா ரா, 2009 ஆம் ஆண்டு, ஆகஸ்ட் 7 ஆம் நாளில் கணினித் துறையில்  
ஆய்வியல் அறிஞர் என்னும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றளித்ததை  
ஏற்று, அவருக்கு அந்தப் பட்டத்தைப் பஸ்கலைக் கழக இலச்சினை யுடன்,  
பாரதியார் பல்கலைக் கழக ஆட்சிக் குழு வழங்குகின்றது.

முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு,  
என்னும் பிரிவில்  
சான்றளித்ததை  
கழக இலச்சினை யுடன்.

The Syndicate of the Bharathiar University hereby makes known that LAVANYA R  
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 7th AUGUST 2009.



கோயம்புத்தூர்  
Coimbatore  
நாள்

Given under the Seal of the University.



B.K.  
தேர்வாளர்

Controller of Examinations

Dated: 24th November 2009

105134

P.M.  
பதிவாளர்

Registrar

V.V.  
துணைவேந்தர்

Vice-Chancellor



# பாரதியார் பல்கலைக் கழகம் Bharathiar University

அறிவியல் புலம்

## FACULTY OF SCIENCE

பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் நாகவேணி நா. 2000 ஆம் ஆண்டு ஏப்ரல் 20 ஆம் நாள் கணிதவியல் எண்ணும் பிரிவில் ஆய்வியல் அறிஞர் என்னும் பெயர் கணிதவியல் எண்ணும் பிரிவில் ஆய்வியல் அறிஞர் அந்தப் பெயர் தகுதியடைந்திருப்பதாகச் சான்றளித்ததை பாரதியார் பல்கலைக் கழக ஆட்சிக்குழு பங்கலைக் கழக இலச்சினைபட்டன் வழங்குகிறது.

The Syndicate of the Bharathiar University hereby makes known that NAGAVENI N 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 20th APRIL 2000.

Given under the Seal of the University.



கொயம்புத்தூர்

Coimbatore

நாள்

Dated: 5th October 2000

மணி

  
பதிவாளர்

Registrar

  
விசைகாவந்தர்  
Vice-Chancellor

# Anna University



Reg. No.17137697180/RG



The Syndicate of the Anna University hereby makes known that **MURUGAN M** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the **Faculty of Science and Humanities**, having been certified by the duly appointed examiners to be qualified to receive the same in the year **2023**. The degree has been awarded in compliance with the **"University Grants Commission, Regulations 2016"**.

*Title of the Thesis:*

**TOTAL MONOPHONIC SETS AND RELATED PARAMETERS IN GRAPHS**

*Given under the seal of the University*

8024-101



Chennai 600025  
India  
September 2023  
10/2023

*P. Senthilvel*  
Controller of Examinations

*D. S. S.*  
Registrar

*R. V. Vijay*  
Vice-Chancellor

# Anna University



Reg.No. 2010150101/RG

*The Syndicate of the Anna University hereby makes known that*  
**GANESAMOORTHY K** 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 **2013**.

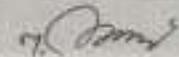
*Title of the Thesis:*

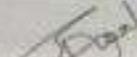
**A STUDY OF MONOPHONIC NUMBER AND ITS VARIANTS**

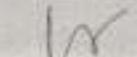
*Given under the Seal of the University*



Chennai 600 023  
India  
November 2013

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor



பாரதியார் பல்கலைக் கழகம்  
Bharathiar University

அறிவியல் புலம்  
FACULTY OF SCIENCE

பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு  
வீபா தே. 2019ஆம் ஆண்டு நவீ 14ஆம் திகதி கணிதவியல் பட்டமும் பி.ஃபி.ம்  
ஆய்வியல் அறிஞர் எண்ணம் ம.ப.சி. பெருத் தந்திரவியல் திருவாரூர் சான்றிதழை  
உடைய அய்யாச்சி அந்தர் மட்டத்தைப் பரிசீலனை செய்து கழக இயக்குநரகம்  
பாரதியார் பல்கலைக் கழக ஆட்சிக்குழு அங்கீகரிக்கிறது.

The Syndicate of the Bharathiar University hereby makes known that SHEEBA D  
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 14th JUNE 2019.

Given under the Seal of the University.



கொயம்புத்தூர்  
Coimbatore  
பிரிவு  
புலம்

Dated: 18th December 2019 Controller of Examinations (ic)  
ISSUED ON - 3 OCT 2020

பதிவாளர்(பெ)ர்



பதிவாளர்(பெ)ர்  
Registrar(ic)

பதிவாளர்(பெ)ர்  
Vice-Chancellor

# Anna University



Reg. No.1624769187/RG



The Syndicate of the Anna University hereby makes known that **JAYANTHI D** 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 **2022**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

*Title of the Thesis:*

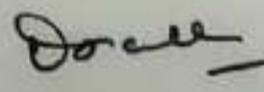
**OUTER CONNECTED GEODETIC SETS AND RELATED PARAMETERS IN GRAPHS**

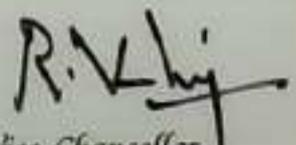
*Given under the seal of the University*



Chennai 600025  
India  
September 2023

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

# Anna University



Reg. No.:2003749109/RG

*The Syndicate of the Anna University hereby makes known that*  
**GOKILA 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 **2011**.

*Title of the thesis:*

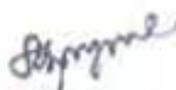
**NUMERICAL ANALYSIS OF MAGNETOCONVECTION IN SQUARE ENCLOSURES WITH DIFFERENTIALLY THERMALLY ACTIVE VERTICAL WALLS**

*Given under the Seal of the University*



Chennai 600 025  
India  
January 2012

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

# Anna University



Reg.No. 71010122057/RG



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

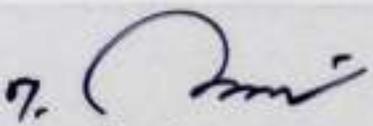
*Title of the Thesis:*

**REALIZATION OF FAULT DETECTION USING REMOTE TESTING**

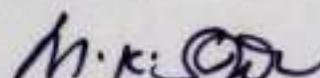


*Given under the Seal of the University*

Chennai 600 025  
India  
March 2021  
BUBM1101

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

# Anna University



Reg.No. 11210131028/RG

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

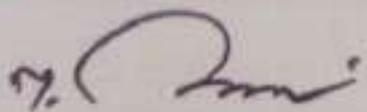
*Title of the Thesis:*

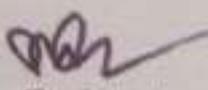
**DESIGN AND ANALYSIS OF ADAPTIVE AND SECURED HYPERVISOR FOR PARALLEL EXECUTION OF HETEROGENEOUS OPERATING SYSTEMS ON A STAND ALONE MACHINE**

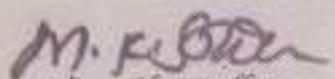


*Given under the Seal of the University*

Chennai 600 025  
India  
March 2021

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor



பாரதியார் பல்கலைக்கழகம்  
BHARATHIAR UNIVERSITY  
அறிவியல் புலம்  
FACULTY OF SCIENCE

பாரதியார் பல்கலைக்கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு ஸ்டேன்லி பெலிக்ஸ் கி. 2020ஆம் ஆண்டு துலை 27ல் ஆய்வியல் அறிஞர் என்னும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றளித்ததை ஏற்று அவருக்கு அத்தப் பட்டத்தைப் பல்கலைக்கழக இலச்சினையுடன் பாரதியார் பல்கலைக்கழக ஆட்சிக்குழு வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby makes known that STANLY FELIX C has been admitted to the Degree of **DOCTOR OF PHILOSOPHY** having been certified by duly appointed Examiners to be qualified to receive the same on 27th JULY 2020.

Title of the Thesis : Real time embedded design and development of an energy efficient economically viable chicken EGG incubator model and its performance analysis.

Subject : **ELECTRONICS**

Given under the seal of the University



தேர்வாளர் (பொ)  
Controller of Examinations i/c

பதிவாளர் (பொ)  
Registrar i/c

கொயம்புத்தூர்  
Coimbatore  
தூள்

Dated: 13<sup>th</sup> May 2022.

spnd764

புள்ளிவேந்தர்  
Vice-Chancellor

# Anna University



Reg.No.100910121041/RG



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

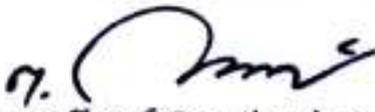
*Title of the Thesis:*

**A TRUSTWORTHY FRAMEWORK FOR PREVENTING WEB APPLICATIONS AGAINST CRITICAL SECURITY RISKS**

*Given under the seal of the University*



Chennai 600025  
India  
June 2018

  
Controller of Examinations  
SARAVANAN A

  
Registrar

  
Vice-Chancellor

# Anna University



Reg.No. 2006769137/RG

*The Syndicate of the Anna University hereby makes known that*  
**SAKTHI MALA K** *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:*

**EXPLOITING CROSS-LAYER FEEDBACK TO ENHANCE UP-LINK TCP PERFORMANCE FOR BEST-EFFORT APPLICATIONS IN IEEE 802.16 BWA SYSTEMS**



*Given under the Seal of the University*

# Anna University



Reg.No.11110132035/RG



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

*Title of the Thesis:*

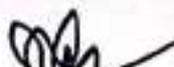
**EFFECTIVE MODELING OF AGGREGATED INTRUSION DETECTION SYSTEM FOR PERFORMANCE ENHANCEMENT**

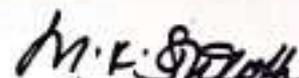
*Given under the seal of the University*



Chennai 600025  
India  
December 2019

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

# Anna University



Reg.No. 71010622022/RG

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

*Title of the Thesis:*

**APPLICATION OF QUANTUM COMPUTING FOR COST REDUCTION TECHNOLOGY USING REVERSIBLE LOGIC SYNTHESIS**

*Given under the Seal of the University*



# Anna University



Reg.No. 2006769145/RG

*The Syndicate of the Anna University hereby makes known that*  
**JEYARANI R** 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 **2013**.

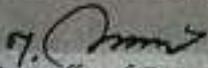
*Title of the Thesis:*

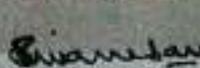
**EVOLUTIONARY DESIGN OF POWER-AWARE META-SCHEDULER WITH COMPUTATIONAL INTELLIGENCE FOR CLOUD COMPUTING ENVIRONMENT**

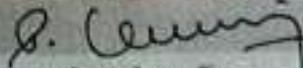
*Given under the Seal of the University*



Chennai 600 025  
India  
March 2013

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor



பாரதியார் பல்கலைக் கழகம்  
Bharathiar University

அறிவியல் புலம்  
FACULTY OF SCIENCE

பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு.  
சித்ரா அ. து. 2019 ஆம் ஆண்டு, சனவரி 19 ஆம் நாளில் கணியபாள் அறிவியல்  
என்றும் பரிசீலி அறிஞர் என்னும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகக் காரணமளித்ததை  
எற்று. அவருக்கு அந்தப் பட்டத்தைப் பல்கலைக் கழக இலாசீனையுடன்,  
பாரதியார் பல்கலைக் கழக ஆட்சிக் குழு வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby makes known that CHITRA A D  
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 19th JANUARY 2019.

Given under the Seal of the University.



கோயம்புத்தூர்  
Coimbatore  
மேலவை  
நகர்

*[Handwritten Signature]*  
தேர்வாளர்(பொ)  
Dated: 18th December 2019 Controller of Examinations i/c

*[Handwritten Signature]*  
திவாளர்(பொ)  
Registrar(i/c)

*[Handwritten Signature]*  
துணைவேந்தர்  
Vice-Chancellor

# Anna University



Reg.No. 11110132028/RG

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

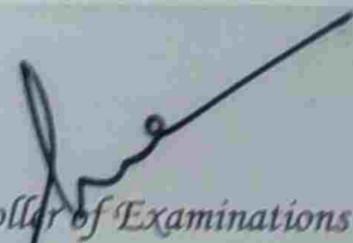
*Title of the Thesis:*

**CERTAIN INVESTIGATIONS ON SWARM INTELLIGENCE BASED VIRTUAL MACHINE ALLOCATION AND CONSOLIDATION ALGORITHMS FOR EFFICIENT USAGE OF POWER AND RESOURCE IN CLOUD COMPUTING ENVIRONMENT**

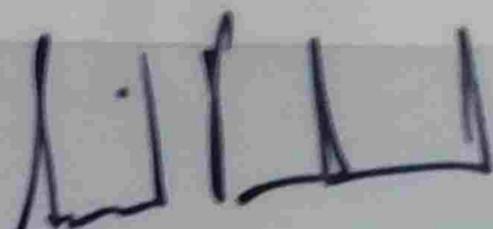
*Given under the Seal of the University*



Chennai 600 025  
India  
May 2017  
U.A.A. 17297

  
Controller of Examinations  
ARUNA P

  
Registrar

  
Chairman, Convener Committee  
Vice-Chancellor



பாரதியார் பல்கலைக் கழகம்  
Bharathiar University

அறிவியல் புலம்  
FACULTY OF SCIENCE

பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு  
ஆனந்தி தா, 2019ஆம் ஆண்டு, துலை 3ஆம் நாளில் கணிப்பான் அறிவியல்  
என்னும் பிரிவில் ஆய்வியல் அறிஞர் என்னும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றிதழை  
ஏற்று, அவருக்கு அந்தப் பட்டத்தைப் பல்கலைக் கழக இலச்சிணையால்  
பாரதியார் பல்கலைக் கழக ஆட்சிக் குழு வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby makes known that **ANANDHI D**  
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 **3rd JULY 2019**.

Given under the Seal of the University.

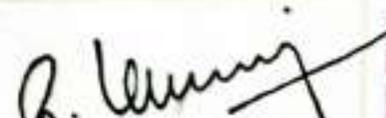


கோயம்புத்தூர்  
Coimbatore  
கோயம்புத்தூர்  
நாள்

Dated: 18th December 2019 Controller of Examinations i/c  
ISSUED ON - 3 OCT 2020

  
தேர்வாளர்(பொ)

  
பதிவாளர்(பொ)  
Registrar(i/c)

  
துணைவேந்தர்  
Vice-Chancellor



# Anna University



Reg.No. 11110532005/RG

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

Title of the Thesis:

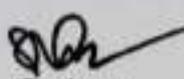
**CONTRIBUTIONS TO 3D RECONSTRUCTION USING PASSIVE AND ACTIVE METHODS**

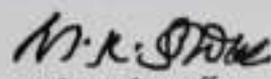


Given under the Seal of the University

Chennai 600 025  
India  
March 2021

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

# Anna University



Reg.No. 1422469825/RG

*The Syndicate of the Anna University hereby makes known that DEEPA 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 2022. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".*

*Title of the Thesis:*

**A DEEP LEARNING FRAMEWORK FOR EARLY DETECTION OF GLAUCOMA IN RETINAL FUNDUS IMAGES**

*Given under the Seal of the University*



Chennai 600 025  
India  
July 2022

*P. Sathish*  
Controller of Examinations

*J. Radh*  
Registrar

*R. V. Vijay*  
Vice-Chancellor

# Anna University



Reg.No. 1315369128/RG

*The Syndicate of the Anna University hereby makes known that*  
**MUTHU SUBRAMANIAN P** *has been admitted to the* **DEGREE OF DOCTOR OF PHILOSOPHY** *under the Faculty of Electrical Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2022. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".*

*Title of the Thesis:*

**SECURITY ARCHITECTURE FOR EMBEDDED DEVICES USING WATERMARKING AND SIDE CHANNEL ANALYSIS**

*Given under the Seal of the University*



Chennai 600 025  
India  
July 2022

*P. Sathish*  
Controller of Examinations

*A. N. N.*  
Registrar

*R. V. Vijay*  
Vice-Chancellor

# Anna University



Reg.No. 1213119103/RG

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

*Title of the Thesis:*

**ANALYSING AND MANAGING POTENTIAL RISKS IN CONSTRUCTION PROJECTS**

*Given under the Seal of the University*



Chennai 600 025  
India  
July 2022  
SABDH

*P. Senthil*  
Controller of Examinations

*f. R. R.*  
Registrar

*R. V. Vijay*  
Vice-Chancellor



SI.No: MJ 1088144

Read by	<i>P. Sikanary</i>
Verified by	<i>[Signature]</i>

# Anna University



Reg.No.1424169104/RG



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

**STUDIES ON STRENGTH AND DURABILITY OF GGBS BASED FIBROUS GEOPOLYMER CONCRETE BEAMS**

*Given under the seal of the University*



Chennai 600025  
 India  
 December 2018

*[Signature]*  
 Controller of Examinations

*[Signature]*  
 Registrar

*[Signature]*  
 Vice-Chancellor

# Anna University Chennai



Reg. No.:2004169108/RG

The Syndicate of the Anna University Chennai hereby makes known that **SUYAMBURAJA ARULSELVAN** 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 **2008**.

*Title of the thesis:*

**INFLUENCE OF INFILL AND SLAB ON TWO-DIMENSIONAL AND THREE-DIMENSIONAL R.C. FRAMES FOR SEISMIC RESISTANCE**

*Given under the Seal of the University*



Chennai 600 025  
India  
December 2008

Controller of Examinations

Registrar

Vice-Chancellor

# Anna University



Reg.No. 1524169108/RG

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

*Title of the Thesis:*

**MECHANICAL AND DURABILITY STUDIES ON THE PROPERTIES OF CEMENT MORTAR AND CONCRETE IN PARTIAL REPLACEMENT OF FINE AGGREGATE WITH WATER TREATMENT SLUDGE**

*Given under the Seal of the University*



Chennai 600 025  
India  
July 2022

*P. Sankaralingam*  
Controller of Examinations

*J.M.*  
Registrar

*R.V. Vijay*  
Vice-Chancellor

# Anna University



Reg. No. 100930221005 RGJ

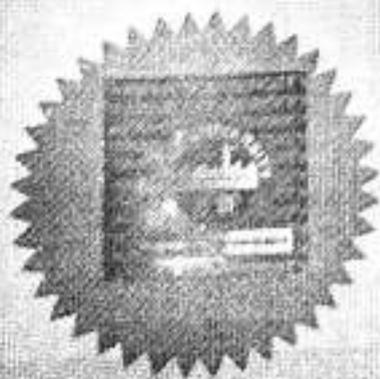


The Syndicate of the Anna University hereby makes known that **BALASUBRAMANIAM T** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the Faculty of Civil Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year **2016**. The degree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

*Title of the Thesis:*

**EXPERIMENTAL INVESTIGATION ON PROPERTIES OF CONCRETE USING MANUFACTURED SAND, GRANITE POWDER AND BOTTOM ASH AS FINE AGGREGATE**

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. 11210532003/RG

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

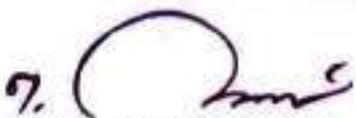
*Title of the Thesis:*

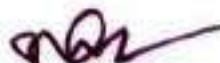
**CERTAIN INVESTIGATIONS ON THE DEVELOPMENT OF PLANAR ANTENNAS FOR UNLICENSED MICROWAVE WIRELESS COMMUNICATIONS**

*Given under the Seal of the University*



Chennai 600 025  
India  
March 2021

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

# Anna University



Reg.No. 1424469165/RG



*The Syndicate of the Anna University hereby makes known that*  
**MALARVIZHI 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 2009".*

*Title of the Thesis:*

**INVESTIGATION OF COMPUTATIONAL ALGORITHMS FOR ENHANCING DATA CLUSTERING TECHNIQUES USING FEATURE LINKAGE WEIGHT BASED FEATURE REDUCTION**

*Given under the Seal of the University*



Chennai 600 025  
 India  
 1074 3025

*P. Sankaranarayanan*  
Controller of Examinations

*A. U.*  
Registrar

*R. V. Jayaraman*  
Vice-Chancellor

# Anna University



Reg.No. 2003469214/RG

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

**IMPROVED ALGORITHMIC TECHNIQUES FOR MINING AND  
PRIVACY PRESERVATION OF FREQUENT ITEMSETS**

Attested  
ijj

Given under the Seal of the University



Chennai 600 025  
India  
March 2013

Controller of Examinations

Registrar

Vice-Chancellor



பாரதியார் பல்கலைக் கழகம்  
Bharathiar University

பொறியியல் புலம்  
FACULTY OF ENGINEERING

பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு  
நாகராஜன் வெ. 2008ஆம் ஆண்டு அக்டோபர் 23ஆம் தளில் கட்டிடப் பொறியியல் என்றும் பிரிவில்  
ஆய்வியல் அறிஞர் என்றும் பட்டம் பெறத் தகுதியடைந்திருப்பதாக சான்றிதழைத்  
எழுது அவருக்கு அந்தப் பட்டத்தைப் பல்கலைக் கழக இயக்குனர்படவ.  
பாரதியார் பல்கலைக் கழக ஆட்சித் குழு வழங்குகின்றது.

The *Synopsis* of the Bharathiar University hereby made known that **NAGARAJAN V**  
has been admitted to the Degree of **DOCTOR OF PHILOSOPHY** in **CIVIL ENGINEERING**,  
having been certified by duly appointed Examiners to be qualified to receive the same on **23rd OCTOBER 2008**.



கொம்புத்தூர்  
Coimbatore  
நகரம்

Dated: 9th APRIL 2009 Controller of Examinations

Given under the Seal of the University.



B. U.  
தேர்வாளர்

R. Natarajan  
பதிவாளர்/Registrar

V. S. S. S.  
தலைவர்/விகி-  
Vice-Chancellor

C No 171088

# Anna University Chennai

Reg. No.:2004419702/RG



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

*Title of the thesis:*

**OPTIMAL RESOURCE UTILISATION IN CELLULAR NETWORKS**

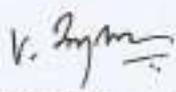
*Given under the Seal of the University*



Chennai 600 025  
India

February 2010

12004419

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

# Anna University



Reg.No. 4081022204/RG

*The Syndicate of the Anna University hereby makes known that*  
**KALPANA V G** *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* **2013**.

*Title of the Thesis:*

**INFLUENCE OF FABRIC STRUCTURE AND REINFORCING EFFICIENCY OF TEXTILE REINFORCEMENTS ON THE FLEXURAL BEHAVIOUR OF RC BEAMS**

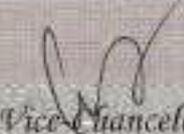
*Given under the Seal of the University*



Chennai 600 025  
India  
November 2013

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

# Anna University



Reg.No. 1324469276/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 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:*

**EFFICIENT CROSS DOMAIN RANKING IN INFORMATION RETRIEVAL**

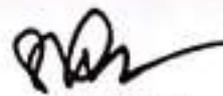
13-4-2021



*Given under the Seal of the University*

Chennai 600 025  
India  
March 2021

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

# Anna University



Reg.No. 16244697253/REG

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

*Title of the Thesis:*

**EMBRACE CLOUD NATIVE PRINCIPLES AND SERVERLESS RUNTIME TO ORCHESTRATE CYBER FORAGING**

*Given under the Seal of the University*



Chennai 600 025  
India  
July 2022

*P. Senthil*  
Controller of Examinations

*J. R.*  
Registrar

*R. V. K.*  
Vice-Chancellor

# Anna University



Reg.No. 2006169701/RG

*The Syndicate of the Anna University hereby makes known that*  
**MUTHURAJ M P** *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* **2013**.

*Title of the Thesis:*

**ANALYTICAL AND EXPERIMENTAL STUDIES ON THE BEHAVIOUR  
OF GLASS FIBRE REINFORCED PLASTIC BRIDGE DECK PANELS**

*Given under the Seal of the University*



# Anna University



Reg.No. 100910221010/RG

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

*Title of the Thesis:*

**BEHAVIOUR OF FIBROUS HIGH PERFORMANCE CONCRETE CONTAINING RECYCLED CONCRETE AND QUARRY DUST AS FINE AGGREGATE**

*Given under the Seal of the University*



Chennai 600 025  
India  
May 2017  
ANU/1009

  
Controller of Examinations  
ANU/1009

  
Registrar  
ANU/1009

  
Chairman, Convener Committee  
Vice-Chancellor  
ANU/1009

# Anna University



Reg.No. 100910622024/RG

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

*Title of the Thesis:*

**DEVELOPMENT OF FRONTAL RELIABILITY MODELS USING INTELLIGENT TECHNIQUES TO IMPROVE SOFTWARE QUALITY**

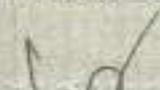
*Given under the Seal of the University*



Chennai 600 025  
India  
November 2013

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

# Anna University



Reg.No. 1224169709/RG



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

*Title of the Thesis:*

**STRUCTURAL EQUATION MODELLING TO INVESTIGATE THE FACTORS INFLUENCING QUALITY, SAFETY AND PRODUCTIVITY IN CONSTRUCTION PROJECTS**

*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. 1414169109/RG

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

*Title of the Thesis:*

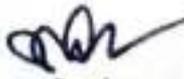
**EFFECT OF BAGASSE ASH AS POZZOLAN IN CEMENT COMPOSITES**

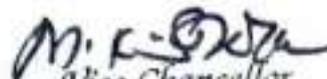


*Given under the Seal of the University*

Chennai 600 025  
India  
March 2021  
BARBDO

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

# Anna University



Reg.No. 1624469379/RG

The Syndicate of the Anna University hereby makes known that **SANGEETHA MARIAMMAL 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 **2022**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

*Title of the Thesis:*

**ENHANCED FLIP AND ADDITIVE ROTATION PERTURBATION APPROACHES FOR PRIVACY PRESERVING DATA MINING**

*Given under the Seal of the University*



Chennai 600 025  
India  
July 2022

*P. Sathish*  
Controller of Examinations

*f. Rd-*  
Registrar

*R. V. Vijay*  
Vice-Chancellor



பாரதியார் பல்கலைக் கழகம்  
Bharathiar University

பொறியியல் புலம்  
FACULTY OF ENGINEERING

பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு,  
மாரிமுத்து கி, 2007ஆம் ஆண்டு, துலை 7ஆம் நாளில் உற்பத்திப் பொறியியல் 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 **MARIMUTHU K**  
has been admitted to the Degree of **DOCTOR OF PHILOSOPHY** in **PRODUCTION ENGINEERING**,  
having been certified by duly appointed Examiners to be qualified to receive the same on **7th JULY 2007**.

Given under the Seal of the University.



கோயம்புத்தூர்

Coimbatore

நாள்

Dated: 8th February 2008

46222

Controller of Examinations

BICU -  
தேர்வாளர்  
Dr. V. SELLADURAI M.E., Ph.D.  
Professor and Head  
Registrar

Department of Mechanical Engineering  
Coimbatore Institute of Technology  
COIMBATORE - 641 014, INDIA.

தலைவரேந்தர்  
Vice-Chancellor

C No 130812



LOUGHBOROUGH UNIVERSITY

*This is to certify that*

*on 17 July 2008*

*Rajesh Ranganathan*

*was admitted to the degree of*

*Doctor of Philosophy*

*Shirley Peace*

VICE-CHANCELLOR



# பாரதியார் பல்கலைக் கழகம் Bharathiar University

பொறியியல் புலம்  
FACULTY OF ENGINEERING

பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு.  
இராமும் இராமசாமி ந, 2002ஆம் ஆண்டு, டிசம்பர் 7ஆம் தளில் இயந்திரப் பொறியியல் என்னும் பிரிவில்  
ஆய்வியல் அறிஞர் எனலும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றளித்ததை  
ஏற்று அவருக்கு அதைப் பட்டத்தைப் பல்கலைக் கழக இயக்குநரின்  
பாரதியார் பல்கலைக் கழக ஆட்சிக் குழு வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby makes known that **RAJAM RAMASAMY N**  
has been admitted to the Degree of **DOCTOR OF PHILOSOPHY** in **MECHANICAL ENGINEERING**,  
having been certified by duly appointed 'Examiners to be qualified to receive the same on **7th DECEMBER 2002**.

Given under the Seal of the University.



கோயம்புத்தூர்

Coimbatore

நாள்

Dated: 25th Dec 2002

25/12/02

*[Signature]*

பதிவாளர்

Registrar

*[Signature]*

ஒப்பளிக்கப்பெற்ற கையொப்பப்பாளர்

துணைவேந்தருக்காக

Authorised signatory

For Vice-Chancellor

# Anna University



Reg.No 7071032155086

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

**A STUDY ON THERMAL RELATED CONSTRAINTS AND THEIR  
EFFECTS ON MICRO TUBULAR COIL HEATERS**

*Given under the Seal of the University*





# Indian Institute of Technology Madras

*hereby confers the degree of*  
**Doctor of Philosophy**  
*of the Institute*

on

**KRISHNAN A S**

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

**EXPERIMENTAL STUDIES ON FREE AND MIXED  
CONVECTION WITH SURFACE RADIATION IN  
ISOLATED AND PARALLEL VERTICAL HEATED PLATES**

*Given this day the Twentieth of July, 2005  
under the seal of the Institute.*



*Yama Kumar*  
Registrar

*[Signature]*  
Director

*A. M. S. Dasgupta*  
Chairman, Board of Governors

# Anna University



Reg.No. 11110331077/RG



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

*Title of the Thesis:*

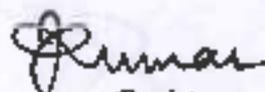
**EXPERIMENTAL AND SIMULATION STUDIES OF PERFORMANCE AND EMISSION CHARACTERISTICS ON ETHANOL FUELED DIRECT INJECTION HIGH COMPRESSION CI ENGINE**

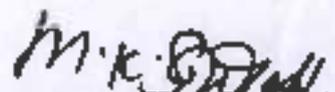
*Given under the seal of the University*



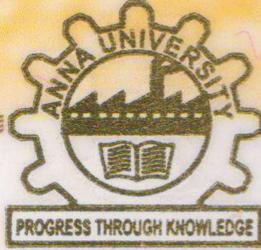
Chennai 600025  
India  
December 2018

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

# Anna University



Reg.No.1324269714/RG

The Syndicate of the Anna University hereby makes known that **SUGANYA PRIYADHARSHINI G** 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:*

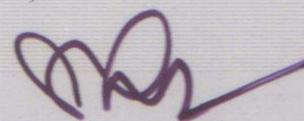
**INVESTIGATIONS ON PRODUCTION AND CHARACTERIZATION OF SURFACE MODIFIED CuNi COMPOSITE USING FRICTION STIR PROCESSING**

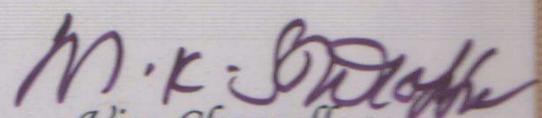
Given under the seal of the University



Chennai 600025  
India  
December 2019  
QAR012020

  
Controller of Examinations  
SUGANYA PRIYADHARSHINI G

  
Registrar

  
Vice-Chancellor



# ANNA UNIVERSITY CHENNAI - 600 025

## PROVISIONAL CERTIFICATE

Folio No.: UAR012039

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 : KARTHIKEYAN M  
Registration Number : 1313269703  
Degree : Ph.D.  
Department/Centre/Subject : ROBOTICS AND AUTOMATION ENGINEERING  
Faculty : MECHANICAL ENGINEERING  
Date, Month & Year of Viva-Voce Examination held : 24.11.2023  
Title of the Thesis : INVESTIGATION ON DISSIMILAR FRICTION STIR WELDING OF MARAGING STEEL M250 WITH ALUMINIUM ALLOY AA6061 T6



*P. Senthivel*  
Controller of Examinations

Chennai - 600 025

Date: 23-DEC-2023

# Anna University



Reg. No.1512269763/RG

The Syndicate of the Anna University hereby makes known that **BALAJI AYYANAR C** 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*

AN INVESTIGATION ON SURFACE MORPHOLOGY, THERMAL STABILITY, MECHANICAL CHARACTERISATION, AND *IN-VITRO* STUDIES OF THE NATURAL PARTICULATES FILLED BIOPOLYMER COMPOSITES

Given under the seal of the University



Chennai 600025  
India

P. Senthilvel  
Registrar

J. Ramesh  
Vice-Chancellor

R. V. Vijay  
Vice-Chancellor

# Anna University



Reg.No. 7076032115/RG

*The Syndicate of the Anna University hereby makes known that*  
**KARTHIKEYAN A** *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* **2014**. *The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".*

*Title of the Thesis:*

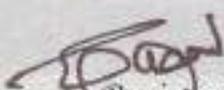
**INVESTIGATION ON TENSILE, FLEXURAL AND IMPACT BEHAVIOR OF SODIUM LAURYL SULFATE (SLS) TREATED COIR FIBER REINFORCED EPOXY COMPOSITE**



*Given under the Seal of the University*

Chennai 600 025  
India  
November 2014

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

# Anna University



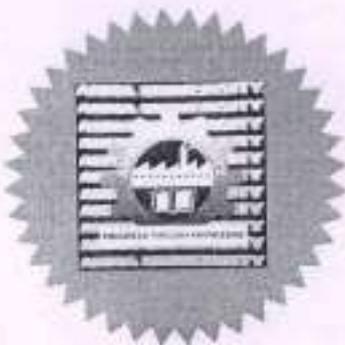
Reg No. 100911021049.RG

The Syndicate of the Anna University hereby makes known that **THANGARASU A** 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 FRICTION STIR PROCESSING OF ALUMINIUM SURFACE COMPOSITES**

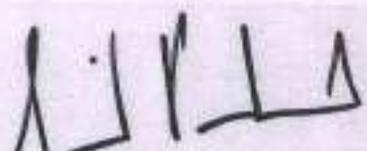
*Given under the Seal of the University*



Chennai 600 025  
India  
May 2017

  
Controller of Examinations  
THANGARASU A

  
Registrar

  
Chairman, Convener Committee  
Vice-Chancellor

# Anna University



Reg.No. 71110331068/RG

*The Syndicate of the Anna University hereby makes known that **SELVAM 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 2009".*

*Title of the Thesis:*

**STUDIES ON TRIBOLOGICAL PROPERTIES OF UHMWPE HYBRID COMPOSITES USING RESPONSE SURFACE METHODOLOGY AND ARTIFICIAL NEURAL NETWORK**

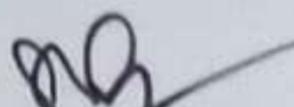
ENR021

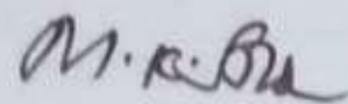
*Given under the Seal of the University*



Chennai 600 025  
India  
March 2021  
K4801200

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

# Anna University



Reg.No. 10910321007-RC

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

*Title of the Thesis:*

**INVESTIGATION ON PLASMA TRANSFERRED ARC HARDFACING OF STRUCTURAL STEEL WITH TITANIUM CARBIDE**

*Given under the Seal of the University*

# Anna University



Reg.No.100910021056/REG



The Syndicate of the Anna University hereby makes known that **VIVEK C** 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".

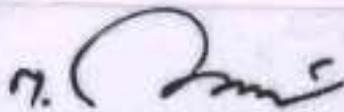
*Title of the Thesis:*

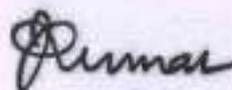
**APPLICATION OF FUTURE PROJECTED DESIGN FOR MANUFACTURE USING RAPID PROTOTYPING / RAPID MANUFACTURING TECHNOLOGY**

*Given under the seal of the University*



Chennai 600025  
India  
December 2018

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

# Anna University



Reg.No.100910321044/RG



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

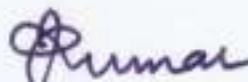
**IDENTIFICATION AND APPLICATION OF INNOVATIVE MANUFACTURING METHODS IN HEALTHCARE ENGINEERING**

*Given under the seal of the University*



Chennai 600025  
India  
December 2018

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

# Anna University



Reg.No.71010321047/RG

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

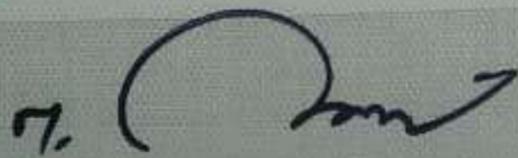
Title of the Thesis:

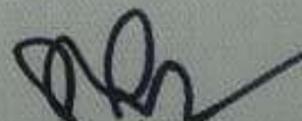
**INTEGRATING LEAN, AGILE AND MODULARITY IN HEALTHCARE THROUGH ADDITIVE MANUFACTURING**

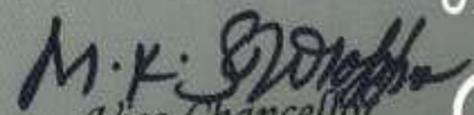
Given under the seal of the University



Chennai 600025  
India  
December 2019

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

SHOT ON REDMI Y3  
AI DUAL CAMERA

# Anna University



Reg.No. 71010321045/RG

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

**DEVELOPMENT OF ABC - FSN INTEGRATED MODEL AND STRATEGY FOR SUPPLIER SELECTION ADOPTING FUZZY AHP AND FUZZY TOPSIS TECHNIQUES IN PHARMACY**

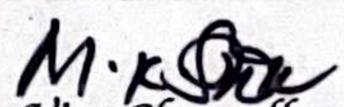
Given under the Seal of the University



Chennai 600 025  
India  
March 2021  
RAB1233

  
Controller of Examinations  
MANIVEL P

  
Registrar

  
Vice-Chancellor  
SIBHALLASA A (1210)E (MARCH 2021) 2020

# Anna University



Reg.No. 711103214006/RC

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

*Title of the Thesis:*

**DESIGN AND DEVELOPMENT OF A RESEARCH METHODOLOGY TOWARDS IMPROVING THE SUPPLY CHAIN EFFICIENCY AND ENHANCING ASSEMBLY LINE IMPROVEMENTS OF A SMALL SCALE INDUSTRY**

Given under the Seal of the University



# Anna University



Reg.No. 11210331005/RG



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

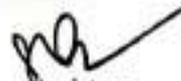
**PROCESS PARAMETER OPTIMIZATION IN ELECTRICAL DISCHARGE MACHINING OF PH 15-5 STAINLESS STEEL MATERIAL USING MULTI CRITERIA DECISION MAKING (MCDM) METHOD**

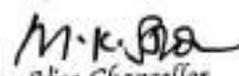
*Given under the Seal of the University*



Chennai 600 025  
India  
March 2021

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

# Anna University



Reg.No. 11110311029/RG

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

**MODELLING AND SIMULATION OF INDIAN TRADITIONAL AGRICULTURE SUPPLY CHAIN TO RETAIN FRESHNESS AND REDUCE POST-HARVEST LOSSES**

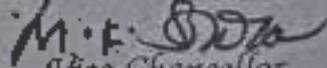
Given under the Seal of the University



Chennai 600 025  
India  
March 2021

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

# Anna University



Reg.No. 1414269128/RG

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

**EXPLORATION ON THE EFFECTS OF PROCESS PARAMETERS IN SQUEEZE CASTING AND WEDM MACHINING OF LM13 ALUMINIUM ALLOY AND ALUMINIUM MATRIX COMPOSITES (LM13/SiC)**



*Given under the Seal of the University*

Chennai 600 025  
India  
March 2021

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

# Anna University



Reg.No. 1614269135/RG

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

**EXPERIMENTAL INVESTIGATION ON DOUBLE-PASS SOLAR AIR HEATER WITH INTERNAL HEAT STORAGE**

*Given under the Seal of the University*



Chennai 600 025  
India  
July 2022

*P. Senthil*  
Controller of Examinations

*J. M.*  
Registrar

*R. V. Vijay*  
Vice-Chancellor

# Anna University



Reg No : BT 11064 RG

*The Syndicate of the Anna University hereby makes known that*  
**SATHISKUMAR R** *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* **2014**. *The degree has been awarded in compliance with the 'University Grants Commission, Regulations 2009'.*

*Title of the Thesis:*

**PRODUCTION AND CHARACTERIZATION OF COPPER SURFACE COMPOSITES USING FRICTION STIR PROCESSING**



*Given under the Seal of the University*

Chennai 600 025  
India  
November 2014

Controller of Examinations

Registrar

Vice-Chancellor

# Anna University



Reg. No.19132697122/RG



*The Syndicate of the Anna University hereby makes known that* **RAMKUMAR G** *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* **2023**. *The degree has been awarded in compliance with the* **"University Grants Commission, Regulations 2016"**.

*Title of the Thesis:*

**ENHANCEMENT OF DAMPING CHARACTERISTICS OF POLYMER CANTILEVER WITH MR FLUID AND PIEZOELECTRIC MFC**

*Given under the seal of the University*



Chennai 600025  
India  
September 2023

*P. Senthil*  
Controller of Examinations

*Doval*  
Registrar

*R. V. Vijay*  
Vice-Chancellor



பாரதியார் பல்கலைக்கழகம்  
BHARATHIAR UNIVERSITY  
அறிவியல் புலம்  
FACULTY OF SCIENCE

பாரதியார் பல்கலைக்கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு ராதாமணி வ, 2023ஆம் ஆண்டு மார்ச் 27ல் ஆய்வியல் அறிஞர் என்னும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றளித்ததை ஏற்று அவருக்கு அந்தப் பட்டத்தைப் பல்கலைக்கழக இலச்சிணையுடன் பாரதியார் பல்கலைக்கழக ஆட்சிக்குழு வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby makes known that RADHAMANI V has been admitted to the Degree of DOCTOR OF PHILOSOPHY having been certified by duly appointed Examiners to be qualified to receive the same on 27th MARCH 2023.

Title of the Thesis : A Novel Approach for Load Balancing in Cloud Computing Environment Using RL-OPT-IRIAL

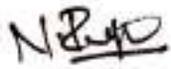
Subject : COMPUTER SCIENCE

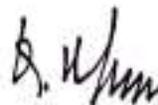
Given under the seal of the University



செயல்புத்தளம்  
Coimbatore  
நகர்

Dated: 24<sup>th</sup> August 2023.  
aphd0704

  
செவ்வாணையர் (பொ)  
Controller of Examinations i/c

  
பதிவாளர் (பொ)  
Registrar i/c

  
புனைவேந்தருக்காக  
for Vice-Chancellor



# Indian Institute of Technology Madras

honourably confer the degree of  
**Doctor of Philosophy**

of the Institute  
on

**SARANYAN**

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

**EVALUATION OF ENGINEERING BEHAVIOUR OF FINE-GRAINED  
GEOMATERIALS BASED ON SURFACE PROPERTIES**



CE100006



Given this day the Tenth of March, 2018  
under the seal of the Institute.

*(S. V.)*  
Registrar

*(S. V.)*  
Director

*(S. V.)*  
Chairman, Board of Governors

ASST. *[Signature]* CHECKED  
AR / DR *[Signature]*



Reg. No. 2004169101/RG

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

*Title of the thesis:*

**STUDIES ON COASTAL DYNAMICS OF CAUVERY DELTA SHORELINE  
USING REMOTELY SENSED DATA**

*Given under the Seal of the University*



Chennai 600 025

India

December 2010 *Controller of Examinations*

*V. Srinivasan*

*Srinivasan*  
Registrar

*Srinivasan*  
Vice-Chancellor

# Anna University



Reg. No.16144697252/RG



The Syndicate of the Anna University hereby makes known that **KARTHIKEYAN G** 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 **2023**. The degree has been awarded in compliance with the **"University Grants Commission, Regulations 2016"**.

*Title of the Thesis:*

**AUGMENTING WEARABLE MONITORS WITH IoT - BLOCKCHAIN OVERSIGHT FOR DETECTING AND MITIGATING ERRATIC EPISODES OF DISEASE PROJECTIONS**

*Given under the seal of the University*



Chennai 600025  
India  
September 2023

*P. Senthil*  
Controller of Examinations

*Dr. S. S. Senthil*  
Registrar

*R. V. V. V.*  
Vice-Chancellor

# Anna University

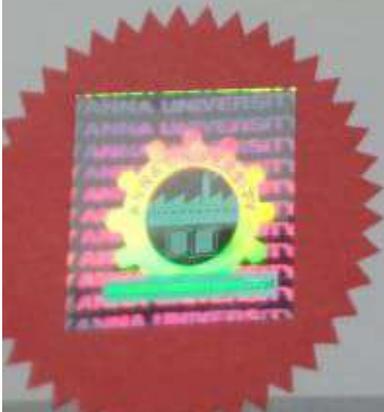


Reg.No. 4081062201/RG

*The Syndicate of the Anna University hereby makes known that **AMSHAKALA 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 **2014**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".*

*Title of the Thesis:*

**INFORMATION THEORY BASED DATA DEPENDENCY EXTRACTION AND ITS APPLICATION IN DATA INTEGRATION**



*Given under the Seal of the University*

# Anna University



Reg.No 7071032155086

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

**A STUDY ON THERMAL RELATED CONSTRAINTS AND THEIR EFFECTS ON MICRO TUBULAR COIL HEATERS**

*Given under the Seal of the University*



# Indian Institute of Technology Madras



has hereby conferred the degree of  
**Doctor of Philosophy**  
of the Institute

**KRISHNAN A S**

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

**EXPERIMENTAL STUDIES ON FREE AND MIXED  
CONVECTION WITH SURFACE RADIATION IN  
ISOLATED AND PARALLEL VERTICAL HEATED PLATES**

From this day the Twenty-sixth of July, 2005  
under the seal of the Institute.



*Uma T. S.*  
Registrar

*M. S.*  
Director

*K. M. D. V. S.*  
Chairman, Board of Governors



# Anna University



Reg.No. 11110331077/RG



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

*Title of the Thesis:*

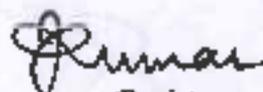
**EXPERIMENTAL AND SIMULATION STUDIES OF PERFORMANCE AND EMISSION CHARACTERISTICS ON ETHANOL FUELED DIRECT INJECTION HIGH COMPRESSION CI ENGINE**

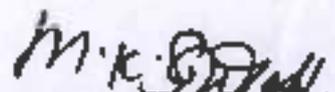
*Given under the seal of the University*



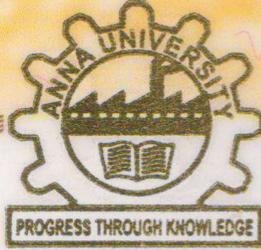
Chennai 600025  
India  
December 2018

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

# Anna University



Reg.No.1324269714/RG

The Syndicate of the Anna University hereby makes known that **SUGANYA PRIYADHARSHINI G** 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:*

**INVESTIGATIONS ON PRODUCTION AND CHARACTERIZATION OF SURFACE MODIFIED CuNi COMPOSITE USING FRICTION STIR PROCESSING**

Given under the seal of the University



Chennai 600025

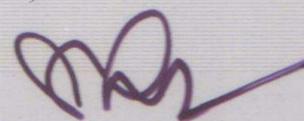
India

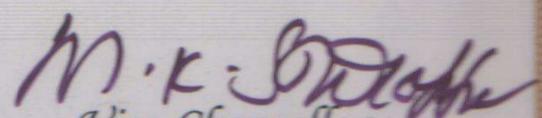
December 2019

QAR012020

  
Controller of Examinations

SUGANYA PRIYADHARSHINI G

  
Registrar

  
Vice-Chancellor

# Anna University



Reg. No.1512269763/RC

The Syndicate of the Anna University hereby makes known that **BALAJI AYYANAR C** 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*

AN INVESTIGATION ON SURFACE MORPHOLOGY, THERMAL STABILITY, MECHANICAL CHARACTERISATION, AND *IN-VITRO* STUDIES OF THE NATURAL PARTICULATES FILLED BIOPOLYMER COMPOSITES

Given under the seal of the University



Chennai 600025  
India

P. Senthilvel  
Registrar

[Signature]

R.V. Vijay  
Vice-Chancellor

# Anna University



Reg.No. 7076032115/RG

*The Syndicate of the Anna University hereby makes known that*  
**KARTHIKEYAN A** 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 **2014**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

*Title of the Thesis:*

**INVESTIGATION ON TENSILE, FLEXURAL AND IMPACT BEHAVIOR OF SODIUM LAURYL SULFATE (SLS) TREATED COIR FIBER REINFORCED EPOXY COMPOSITE**



*Given under the Seal of the University*

Chennai 600 025  
India  
November 2014  
14 NOV 2014

*W. P. S.*  
Controller of Examinations

*[Signature]*  
Registrar

*[Signature]*  
Vice-Chancellor

# Anna University



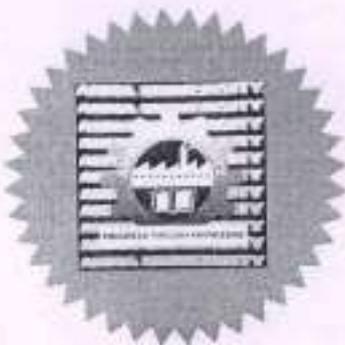
Reg No. 100911021049.RG

The Syndicate of the Anna University hereby makes known that **THANGARASU A** 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 FRICTION STIR PROCESSING OF ALUMINIUM SURFACE COMPOSITES**

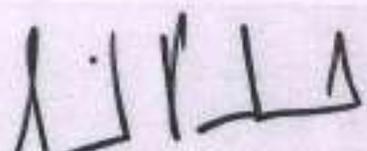
*Given under the Seal of the University*



Chennai 600 025  
India  
May 2017

  
Controller of Examinations  
THANGARASU A

  
Registrar

  
Chairman, Convener Committee  
Vice-Chancellor

# Anna University



Reg.No. 71110331068/RG

*The Syndicate of the Anna University hereby makes known that **SELVAM 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 2009".*

*Title of the Thesis:*

**STUDIES ON TRIBOLOGICAL PROPERTIES OF UHMWPE HYBRID COMPOSITES USING RESPONSE SURFACE METHODOLOGY AND ARTIFICIAL NEURAL NETWORK**

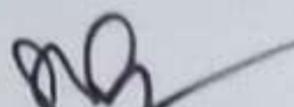
ENR023

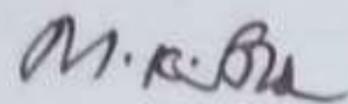
*Given under the Seal of the University*



Chennai 600 025  
India  
March 2021  
K4801200

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

# Anna University



Reg.No. 10910321007-RC

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

*Title of the Thesis:*

**INVESTIGATION ON PLASMA TRANSFERRED ARC HARDFACING OF STRUCTURAL STEEL WITH TITANIUM CARBIDE**

*Given under the Seal of the University*

# Anna University



Reg.No.100910021056/REG



*The Syndicate of the Anna University hereby makes known that VIVEK C 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".*

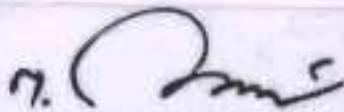
*Title of the Thesis:*

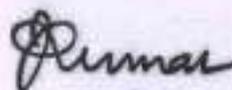
**APPLICATION OF FUTURE PROJECTED DESIGN FOR MANUFACTURE USING RAPID PROTOTYPING / RAPID MANUFACTURING TECHNOLOGY**

*Given under the seal of the University*



Chennai 600025  
India  
December 2018

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

# Anna University



Reg.No.100910321044/RG



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

**IDENTIFICATION AND APPLICATION OF INNOVATIVE MANUFACTURING METHODS IN HEALTHCARE ENGINEERING**

*Given under the seal of the University*



Chennai 600025  
India  
December 2018

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

# Anna University



Reg.No.71010321047/RG

The Syndicate of the Anna University hereby makes known that **MOHAN 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:*  
**INTEGRATING LEAN, AGILE AND MODULARITY IN HEALTHCARE THROUGH ADDITIVE MANUFACTURING**

*Given under the seal of the University*



Chennai 600025

India

December 2019

*[Signature]*  
Controller of Examinations

*[Signature]*  
Registrar

*[Signature]*  
M.K. Senthil  
Vice-Chancellor

# Anna University



Reg.No. 711103214006/RC

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

*Title of the Thesis:*

**DESIGN AND DEVELOPMENT OF A RESEARCH METHODOLOGY TOWARDS IMPROVING THE SUPPLY CHAIN EFFICIENCY AND ENHANCING ASSEMBLY LINE IMPROVEMENTS OF A SMALL SCALE INDUSTRY**

*Given under the Seal of the University*



# Anna University



Reg.No. 11210331005/RG



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

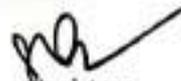
**PROCESS PARAMETER OPTIMIZATION IN ELECTRICAL DISCHARGE MACHINING OF PH 15-5 STAINLESS STEEL MATERIAL USING MULTI CRITERIA DECISION MAKING (MCDM) METHOD**

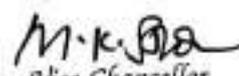
*Given under the Seal of the University*



Chennai 600 025  
India  
March 2021

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

# Anna University



Reg.No. 11110311029/RG

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

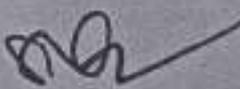
**MODELLING AND SIMULATION OF INDIAN TRADITIONAL AGRICULTURE SUPPLY CHAIN TO RETAIN FRESHNESS AND REDUCE POST-HARVEST LOSSES**

Given under the Seal of the University



Chennai 600 025  
India  
March 2021

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

# Anna University



Reg.No. 1614269135/RG

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

**EXPERIMENTAL INVESTIGATION ON DOUBLE-PASS SOLAR AIR HEATER WITH INTERNAL HEAT STORAGE**

*Given under the Seal of the University*



Chennai 600 025  
India  
July 2022

*P. Senthil*  
Controller of Examinations

*J. M.*  
Registrar

*R. V. Vijay*  
Vice-Chancellor

# Anna University



Reg No : BT 11064 RG

*The Syndicate of the Anna University hereby makes known that*  
**SATHISKUMAR R** 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 **2014**. The degree has been awarded in compliance with the *University Grants Commission, Regulations 2009*.

*Title of the Thesis:*

**PRODUCTION AND CHARACTERIZATION OF COPPER SURFACE COMPOSITES USING FRICTION STIR PROCESSING**



*Given under the Seal of the University*

Chennai 600 025  
India  
November 2014

Controller of Examinations

Registrar

Vice-Chancellor

# Anna University



Reg. No.19132697122/RG



*The Syndicate of the Anna University hereby makes known that* **RAMKUMAR G** *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* **2023**. *The degree has been awarded in compliance with the* **"University Grants Commission, Regulations 2016"**.

*Title of the Thesis:*

**ENHANCEMENT OF DAMPING CHARACTERISTICS OF POLYMER CANTILEVER WITH MR FLUID AND PIEZOELECTRIC MFC**

*Given under the seal of the University*



Chennai 600025  
India  
September 2023

*P. Senthil*  
Controller of Examinations

*Doval*  
Registrar

*R. V. Vijay*  
Vice-Chancellor

# Anna University



Reg.No.11210632002/RG



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

*Title of the Thesis:*

**DESIGN AND DEVELOPMENT OF QoS-AWARE SECURITY MODEL FOR WEB SERVICE SELECTION AND COMMUNICATION**

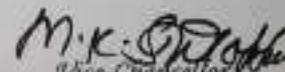
*Given under the seal of the University*



Chennai 600025  
India  
December 2019

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

# Anna University



Reg.No.1414469104/RG



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

*Title of the Thesis:*

CERTAIN INVESTIGATIONS ON FILE SYSTEM SHIELD AGAINST FILE SYSTEM STELLAR

*Given under the seal of the University*



Chennai 600025

India

June 2018

*[Signature]*  
Controller of Examinations

*[Signature]*  
Registrar

*[Signature]*  
Vice-Chancellor

SI.No: MJ 327407

Read by	<i>L. Mahesh</i>
Verified by	<i>John</i>



பாரதியார் பல்கலைக் கழகம்  
Bharathiar University

பொறியியல் புலம்  
FACULTY OF ENGINEERING

பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு,  
மாரிமுத்து கி, 2007 ஆம் ஆண்டு, துலை 7 ஆம் நாளில் உற்பத்திப் பொறியியல் என்னும்  
பிரிவில் ஆய்வியல் அறிஞர் என்னும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றளித்ததை  
ஏற்று, அவருக்கு அந்தப் பட்டத்தைப் பல்கலைக் கழக இலாச்சியைப் பட்டம்,  
பாரதியார் பல்கலைக் கழக ஆட்சித் குழு வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby informs that **MARIMUTHU K**  
has been admitted to the Degree of **DOCTOR OF PHILOSOPHY in PRODUCTION ENGINEERING,**  
having been certified by duly appointed Examiners to be qualified to receive the same on **7th JULY 2007.**

Given under the Seal of the University.



செயல்புத் துறை  
Coimbatore  
நாள்

Dated: 8th February 2008

Controller of Examinations and Registrar

Department of Mechanical Engineering

Coimbatore Institute of Technology  
COIMBATORE - 641 014, INDIA.

Dr. V. SELTADURAI  
B.V. Seltadurai

Vice-Chancellor

C No 130812



பாரதியார் பல்கலைக் கழகம்  
Bharathiar University



கலையியல் புலம்  
FACULTY OF ARTS

பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு,  
ஆர்த்தி வெ, 2014ஆம் ஆண்டு, சூலை 15ஆம் நாளில் ஆங்கிலம் என்னும் பிரிவில்  
ஆய்வியல் அறிஞர் என்னும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றளித்ததை  
ஏற்று, அவருக்கு அந்தப் பட்டத்தைப் பல்கலைக் கழக இலச்சிணையுடன்,  
பாரதியார் பல்கலைக் கழக ஆட்சிக் குழு வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby makes known that **ARTHY V**  
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 **15th JULY 2014**.



Given under the Seal of the University.

கோயம்புத்தூர்  
Coimbatore  
கோயம்புத்தூர்  
நாள்

Dated: 22nd December 2014 Controller of Examinations i/c

தேர்வாளர்(பொ)

பதிவாளர்

Registrar

தலைணையேந்தர்

Vice-Chancellor

A058656



பாரதியார் பல்கலைக்கழகம்

BHARATHIAR UNIVERSITY

கலையியல் புலம்

FACULTY OF ARTS

பாரதியார் பல்கலைக்கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு ஜஸ்டின் ரூபன் எ. 2022ஆம் ஆண்டு மே 28ல் ஆய்வியல் அறிஞர் என்னும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றளித்ததை ஏற்று அவருக்கு அந்தப் பட்டத்தைப் பல்கலைக்கழக இலச்சினையுடன் பாரதியார் பல்கலைக்கழக ஆட்சிக்குழு வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby makes known that JUSTIN RUBEN E has been admitted to the Degree of DOCTOR OF PHILOSOPHY having been certified by duly appointed Examiners to be qualified to receive the same on 28th MAY 2022.

Title of the Thesis : The Decolonisation of English: A Postcolonial Critique of Salman Rushdie's Select Fiction

Subject : ENGLISH

Given under the seal of the University



*N. P. S.*

தேர்வாளர் (பொ)

Controller of Examinations i/c

*K. V. S.*

பதிவுச்சி (பொ)

Registrar i/c



கொயம்புத்தூர்

Coimbatore

நாள்

Dated: 24<sup>th</sup> August 2023.

slphd0821

*J. H.*

துணைவேந்தருக்காக  
for Vice-Chancellor

SL.NO. 000034



**Avinashilingam**  
Institute for Home Science and Higher Education for Women  
**University**  
(Est. w/s of UGC Act 1956)  
Coimbatore - 641 043, Tamil Nadu, India

Reg. No. 08PH 18



## **FACULTY OF HUMANITIES**

*The Board of Management of the Avinashilingam Institute for Home Science and Higher Education for Women hereby makes known that **Maheshvari, R. Doctor of Philosophy in Economics** has been admitted to the Degree of **Economics** having been certified by duly appointed Examiners to be qualified to receive the same in July, 2013.*

*Given under the Seal of the Institute.*



*Shashi Rameshbabu*  
Registrar  
Date : 25.11.2013

*P. S. L. Manjula Kumaran*  
Chancellor

*P. S. L. Manjula Kumaran*  
Vice Chancellor



பாரதியார் பல்கலைக் கழகம்  
*Bharathiar University*

கலையியல் புலம்  
FACULTY OF ARTS

பாரதியார் பல்கலைக் கழகத்தால் முடிவாக அமைக்கப்பட்ட தேர்வாளர் குழு  
சாந்தி ப, 2010ஆம் ஆண்டு, டிசம்பர் 14ஆம் திகதி ஆங்கிலம் என்றும் பி.ஈ.ஈ.  
ஆய்வியல் அறிஞர் என்றும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றித்தலை  
எழு. அயற்கு அறியப் பட்டதற்குப் பல்கலைக் கழக இயக்குனரடையுள்,  
பாரதியார் பல்கலைக் கழக ஆட்சிக் குழு வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby notifies that SANTI P  
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 14th DECEMBER 2010.



செயல்புத்தரர்  
Coimbatore  
கி.டி.

Dated: 24th November 2011 Controller of Examinations

Given under the Seal of the University.



K. G. Senthil  
பதிவாளர்

பதிவாளர்  
Registrar

தலைவர்  
Vice-Chancellor



பாரதியார் பல்கலைக்கழகம்  
BHARATHIAR UNIVERSITY  
கலையியல் புலம்  
FACULTY OF ARTS

பாரதியார் பல்கலைக்கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு சாந்தா தேவி எ, 2021ஆம் ஆண்டு டிசம்பர் 15ல் ஆய்வியல் அறிஞர் என்னும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றளித்ததை ஏற்று அவருக்கு அந்தப் பட்டத்தைப் பல்கலைக்கழக இலச்சினையுடன் பாரதியார் பல்கலைக்கழக ஆட்சிக்குழு வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby makes known that **SANTHA DEVI A** has been admitted to the Degree of **DOCTOR OF PHILOSOPHY** having been certified by duly appointed Examiners to be qualified to receive the same on **15th DECEMBER 2021**.

Title of the Thesis : Social Aspects in the Select Novels of U.R. Ananthamurthy

Subject : ENGLISH

Given under the seal of the University



தேர்வாளர் (பொ)  
Controller of Examinations i/c

பதிவாளர் (பொ)  
Registrar i/c



கொயம்புத்தூர்  
Coimbatore

நாள்  
Dated **13th May 2022**

akphd2420

துணைவேந்தர்  
Vice-Chancellor

A.No. 2759

Read by	
Examined by	



# Anna University



Reg.No.1424469723/RG



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

*Title of the Thesis:*

**CERTAIN APPROACHES TO IMPROVE NETWORK LIFETIME IN WIRELESS SENSOR NETWORKS**

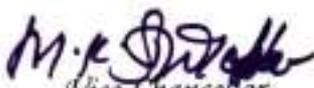
*Given under the seal of the University*



Chennai 600025  
India  
December 2019

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor



# ANNA UNIVERSITY

## CENTRE FOR RESEARCH

Sardar Patel Road, Chennai - 600 025, India



Dr. C. UMARANI, M.E., Ph.D., PDF(NZ)

Director

Ref : No. 17244691305/Ph.D./AR6

Date : 03.11.2022

### TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms.M.Prabhavathy**, has registered for Ph.D. Programme in **Computer Science and Engineering** during January-2017. The scholar has submitted the thesis entitled, "**PREVENTION OF MALWARE INJECTION OVER CLOUD DATA SERVICES IN RUN TIME ENVIRONMENT**" and has successfully completed the oral examination held on 27.10.2022 for the award of Ph.D. Degree under the Faculty of **Information and Communication Engineering**.

The Ph.D. Degree awarded by this University is in compliance of UGC Regulations 2016.

*W. Umami*  
3/11/22

DIRECTOR (RESEARCH)

*W. Umami*  
3/11/22

# Anna University

Reg.No.11110631029/RG



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

*Title of the Thesis:*

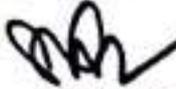
**GRAPH ISOMORPHISM, NEAR-ISOMORPHISM - A STUDY FOR NETWORKS AND MOLECULAR STRUCTURES**

*Given under the seal of the University*



Chennai 600025  
India  
December 2019

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor



**UNIVERSITI SAINS MALAYSIA**

**This is to certify that**

**VALLIAPPAN RAMAN**

**was conferred the degree of**

**DOCTOR OF PHILOSOPHY**

**25 APRIL 2015**

**Vice Chancellor**

**(Signed)**

**Registrar**

**(Signed)**

**Certified Translation**

**For Registrar**



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



**Dr. C.UMARANI**  
**DIRECTOR**

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 12.05.2023

**Lr. No: SUPR/AR2**

To  
Dr. Valliappan Raman  
Professor  
Department of Artificial Intelligence and Data Science  
Coimbatore Institute of Technology  
Coimbatore-641014

Sir/Madam,

Sub : Ph.D.Programme - Supervisor Recognition - **Approved** - Orders - Issued.  
Ref : Your application for Supervisor Recognition.

\*\*\*\*\*

I am by direction to inform that you are recognized as a Supervisor ( **Ref.No: 4140188** ) for guiding Ph.D. scholars of this University under the faculty of **Information and Communication Engineering**.

Area of Specialization: "**Artificial Intelligence, Data Science, Computer Vision and Pattern Recognition, Internet of Things**"

The functions and responsibilities of the supervisor are described under clause (7) of the Ph.D.regulations of this University and applicable as and when amendments are made to the Regulations from time to time.

*It is to be noted that, "Supervisors working in the recognized R&D Centre of Industries/non-recognized research Departments of Engineering College/Architecture Schools situated within Tamil Nadu shall function only as Joint Supervisor".*

I request you to adhere strictly the Ph.D. regulations (available in <https://cfr.annauniv.edu/research/instructions.php> ) when you start guiding the scholars.

Further for any correspondence in future quote **4140188** for reference.

*S. Kumar*  
DIRECTOR  
12/5/23

**Copy to:**

The Head  
Department of Artificial Intelligence and Data Science  
Coimbatore Institute of Technology  
Coimbatore-641014

*W.P.*  
12/5/23  
*W.P.*  
12/5/23

# Anna University



Reg.No. 100910122041/RG

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

**INGENIOUS TECHNIQUES FOR SECURE AND PRIVACY PRESERVING FREQUENT ITEMSET GENERATION FOR IN-HOUSE AND OUTSOURCED DATA MINING**

Given under the Seal of the University



Chennai 600 025  
India  
May 2017

Controller of Examinations

Registrar

Chairman, Convener Committee  
Vice-Chancellor

# Karunya UNIVERSITY

(Karunya Institute of Technology and Sciences)  
Declared as Deemed to be University under Sec. 3 of the UGC Act, 1956

KARUNYA NAGAR, COIMBATORE - 641 114, TAMILNADU, INDIA



The Board of Management  
of  
Karunya University  
hereby makes known that

**E CHANDRA BLESSIE**

has been admitted to the Degree of  
Doctor of Philosophy  
in  
Computer Applications

**under the Faculty of Science**

having been certified by duly appointed examiners to be  
qualified to receive the same in March 2015

*Title of the Thesis :*

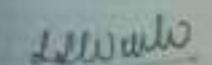
*Preprocessing techniques for continuous attributes to improve the performance of the classifier*

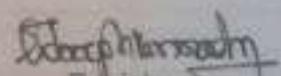


Given under the seal of the University

Dated: 1<sup>st</sup> July 2015

  
Chancellor

  
Vice Chancellor

  
Registrar



**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  
**MAHALAKSHMI S B** has been admitted to the

Degree of **DOCTOR OF PHILOSOPHY** in **COMPUTER SCIENCE**

having been certified by the duly appointed Examiners to be qualified to receive the  
same on **November 19, 2018** for the thesis entitled,

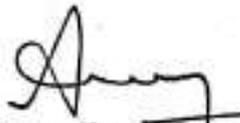
**CONTENT BASED IMAGE RETRIEVAL IN VIDEOS USING HYBRIDIZED  
EVOLUTIONARY TECHNIQUE**

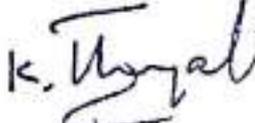
This degree is awarded in accordance with the UGC Regulations on Minimum  
Standards and Procedure 2009.

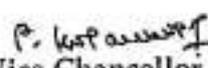


Given under the seal of the University

Dated: 27-11-2018  
Salem - 636011  
Tamil Nadu, India.

  
Controller of Examinations i/c

  
Registrar i/c

  
Vice-Chancellor

SL. NO.: 00036



**Avinashilingam Institute for Home Science and Higher Education for Women**

(Deemed to be University under Category A by MHRD, Estd. u/s 3 of UGC Act 1956)

Recognised by UGC Under Section 12 B

Coimbatore - 641 043, Tamil Nadu, India.

Roll No. 17PHCSF005

**FACULTY OF SCIENCE**

*The Board of Management of the Avinashilingam Institute for Home  
Science and Higher Education for Women hereby makes known*

*that **Kavitha D** 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 in **November, 2021.***



*Given under the Seal of the Institute*

Coimbatore

Date : 19-03-2022

*C. Louisalyn*  
Registrar

*Ashamgini*  
Vice Chancellor

*Arjun*  
Chancellor

Folio :D 09698



# BHARATHIAR UNIVERSITY

COIMBATORE - 641 046

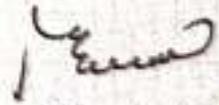
## Ph.D. PROVISIONAL CERTIFICATE

This is to certify that **SWATHINE K** has qualified for  
the award of the Degree of **DOCTOR OF PHILOSOPHY** of this University in  
**COMPUTER SCIENCE** on **10/02/2023** after having  
completed the requirements prescribed for the award of the Degree.

Coimbatore 641 046

Date : **02 MAY 2023**



  
Controller of Examinations **UC**



LOUGHBOROUGH UNIVERSITY

*This is to certify that*

*on 17 July 2008*

*Rajesh Ranganathan*

*was admitted to the degree of*

*Doctor of Philosophy*

*Shirley Peace*

VICE-CHANCELLOR

