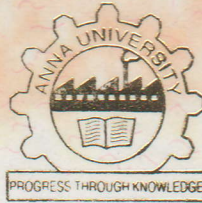


# Anna University



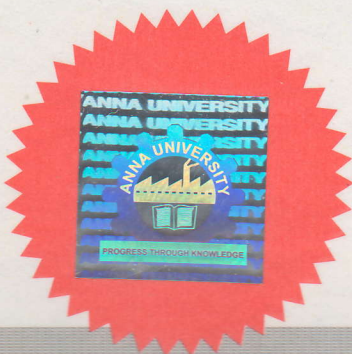
Reg.No. 2824119703/RG

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

*Title of the Thesis:*

**BEHAVIOUR OF CONCRETE-FILLED STEEL COLUMNS SUBJECTED TO LATERAL CYCLIC LOADING**

*Given under the Seal of the University*

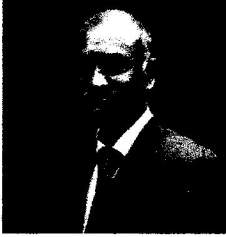


SL. No.: A 011413

**B.S.ABDUR RAHMAN**  
Institute of Science & Technology  
(A Muslim Minority Institution)  
Deemed to be University  
Estd. u/s.3 of the UGC Act, 1956  
Accredited by NAAC with "A" Grade



Reg. No. : 1087202



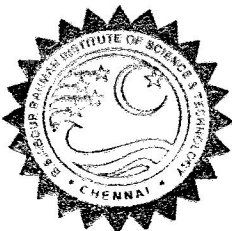
*By the authority of the Board of Management  
and upon the recommendation of  
School of Computer, Information and Mathematical Sciences*

*B. S. Abdur Rahman Institute of Science & Technology  
confers upon*

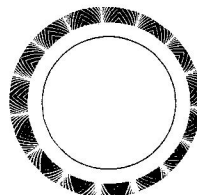
*Gnanasekaran. P*

*the degree of Doctor of Philosophy in  
Information Technology  
with all its rights, privileges and honours  
for successfully completing the prescribed programme of study and  
presenting the thesis entitled  
"Relative Stability Based Routing Protocol for  
Mobile Ad-hoc Network"  
in October 2018.*

*Given under the seal of the Institute,  
this Sixteenth day of December, Two Thousand and Eighteen.*



Registrar



Vice Chancellor

Date: 16/12/2018



**BABASAHEB BHIMRAO AMBEDKAR UNIVERSITY, LUCKNOW**  
(A Central University)

BABASAHEB  
BHIMRAO  
AMBEDKAR  
UNIVERSITY



प्रज्ञा नीति कठणा  
ESTABLISHED 1996

*This is to certify that*  
MR. GUFAN AHMAD ANSARI

*has been admitted to the degree of*

**Doctor of Philosophy**

*after submitting the thesis entitled*  
UML Based Modeling on Domain Driven Software  
Architecture System.

*in the Department of* Computer Science  
*School for* Information Science & Technology

*and successfully completing all the requirements*  
*in the year 20.09.....*

*Given under the Seal of the University*



Registrar Singh

Dated the 18-08-2011

R. Hail  
Vice Chancellor

Dated the 18-08-2011

By the authority of the Board of Governors of the  
**BIRLA INSTITUTE OF TECHNOLOGY**

and upon recommendation of the Technical Council

GULSAZ SHAMIM

---

has been admitted to the Degree of

DOCTOR OF PHILOSOPHY (Science)

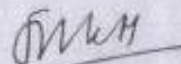
and is entitled to all rights and honours thereto appertaining.

Witness the seal of the Institute and the signatures of its Officers

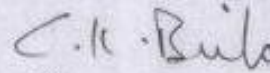
this twenty sixth day of November, two thousand fourteen.



a deemed University U.S. 3 of U.G.C. Act, 1956  
Mesra, Ranchi (INDIA)

  
Vice Chancellor

  
Registrar

  
Chairman.

Board of Governors



20070092



# Jadavpur University

*Certified that*

**Sri K. F. Hajja Nazeer Ahamed**

*was admitted to the Degree of Doctor of Philosophy in Pharmacy of this University on 03/10/2007 and that the degree was conferred on him / her at the Convocation held in December 2007 with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signatures of the Chancellor and the Vice-Chancellor of Jadavpur University are herunto affixed.*

*P. N. Ghosh*

Vice-Chancellor  
The 24th December, 2007



*[Signature]*  
Chancellor



अनुक्रमांक / Enrol No : 09SEPH08



# हैदराबाद विश्वविद्यालय University of Hyderabad

प्रमाणित किया जाता है कि  
मुहम्मद जमशीर टी.पी.  
को

**अर्थशास्त्र में अर्थशास्त्र**

संकाय में शोध प्रबंध प्रस्तुत करने एवं सभी अपेक्षाओं को सफलतापूर्वक पूर्ण करने पर  
सन् 2017 में

**डॉक्टर ऑफ़ फ़िलासोफी**

की उपाधि प्रदान की गयी है



*This is to certify that*

**MUHAMMED JAMSHEER T P**

*having pursued research in **Economics** at the*

**School of Economics**

*and having submitted a thesis and successfully completed all the  
requirements has been admitted to the degree of*

**Doctor of Philosophy**

*in the year 2017*

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

कुल सचिव  
Registrar

कुलपति  
Vice-Chancellor

हैदराबाद / Hyderabad, दिनांक / Dated **01 OCT 2018**





हैदराबाद विश्वविद्यालय  
University of Hyderabad

(A Central University established by an Act of Parliament)

**Title Sheet of Dissertation / Thesis**

Enrolment No. : 09SEPH08

Name of the Scholar : MUHAMMED JAMSHEER T P

Course of Study : Ph.D.  
Economics

Title of Dissertation/Thesis : Agrarian Structure and Migrants; An Investigation in  
two Villages

Name/s of the Supervisor/s : Prof. R. Vijay

Department/Centre/School : School of Economics

Dated 01 OCT 2018

Prepared by

Checked by

Controller of Examinations



No. 52878

# PATNA UNIVERSITY



This is to certify that

*Afzalus Rahman*

who passed the Examination

for the degree of

Doctor of Philosophy in *Commexce*

held in the month of

*August 2011*

was this day admitted

to the degree





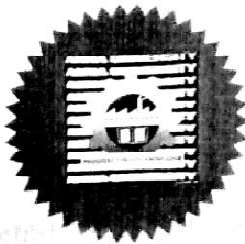
Reg.No. 20084022001/RG

The Syndicate of the Anna University hereby makes known that AISHA BANU W 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:

AN ADAPTIVE FRAMEWORK FOR EFFECTIVE INFORMATION RETRIEVAL

Given under the Seal of the University



Chennai 600 025  
India  
March 2013

*[Signature]*  
Controller of Examinations

*[Signature]*  
Registrar

*[Signature]*  
Vice-Chancellor

The Trustees  
of  
The University of Tennessee

on the recommendation of the Faculty have conferred on

Ashoke Ghosh

the degree of

Doctor of Philosophy

with all the Rights Privileges and Honors thereunto appertaining  
In witness whereof this diploma is granted and the Seal of the  
University and the signatures of the President of the University and the  
Secretary of the Board of Trustees are herewith affixed.

Given at Knoxville in the State of Tennessee this tenth day of December  
in the year of our Lord nineteen hundred and eighty-four  
and of the University the one hundred and ninety-first.



Bennett E. Boggs  
Secretary of the Board of Trustees

Edward Soling  
President of The University of Tennessee





அறிவியல் புலம்  
FACULTY OF SCIENCE

2011

ஆம் ஆண்டில் சென்னைப் பல்கலைக்கழகத்தில் ஆய்வு நிகழ்த்தி

வழங்கிய ஆய்வேட்டுக்காக முனைவர் பட்டம் பெறத் தகுதியுடையவர் என்று தக்க  
தேர்வாளர்களால் சான்றளிக்கப்பட்டு அசோக் குமார் பா

என்பவருக்கு முனைவர் பட்டம் அளிக்கப்படுகிறது என்று சென்னைப் பல்கலைக்கழகப் பேரவை  
அறிவிக்கிறது.

சென்னைப் பல்கலைக்கழக இலச்சினையுடன், சென்னையில் 2011 ஆம் ஆண்டு  
நவம்பர் திங்கள் 4 ஆம் நாள் அளிக்கப்பட்டது.

*The Senate of the University of Madras hereby makes known that  
ASHOK KUMAR P has been conferred the*

**DEGREE OF DOCTOR OF PHILOSOPHY**

*he/she having been certified by duly appointed examiners to be qualified to  
receive the same in the year 2011*

*Given under the seal of the University of Madras, at Chennai this  
4<sup>th</sup> day of November 2011*

*Title of the Thesis* : "Elucidation of the role of Luteolin against  
ஆய்வுத் தலைப்பு : Azoxymethane-induced colon carcinogenesis-in vivo  
and in vitro: Involvement of Wnt/ $\beta$ -Catenin  
signaling" (Bio-Chemistry)



  
பதிவாளர்  
Registrar



  
துணை வேந்தர்  
Vice-Chancellor





UNIVERSITY OF ELECTRONIC  
SCIENCE AND TECHNOLOGY OF CHINA

The Degree Awarding Committee, in accordance with "The Regulations Concerning Academic Degrees in the People's Republic of China", has conferred upon

**Khan Asif**

the degree of

DOCTOR OF Engineering

In Computer Science and Technology

With all its rights, privileges and honors

given at **Chengdu**, China, on the **23rd**

day of **June**,

in the year of **2016**

**李言荣**

president

**李言荣**

Chair, Degree Awarding Committee

No.

**1061422016000104**



Seen in the Embassy

E-002/2017

03.01.2017



Pr

Prakash Swaroop  
Asstt. Consular Officer  
Embassy Of India  
Beijing



வணிகவியல் புலம்  
.....  
**FACULTY OF COMMERCE**  
.....

2005 ஆம் ஆண்டில் சென்னைப் பல்கலைக்கழகத்தில் ஆய்வு நிகழ்த்தி வழங்கிய ஆய்வேட்டுக்காக முனைவர் பட்டம் பெறத் தகுதியுடையவர் என்று தக்க தேர்வாளர்களால் சான்றளிக்கப்பட்டு ஆயுப் கான் தாவுத் தா என்பவருக்கு முனைவர் பட்டம் அளிக்கப்படுகிறது என்று சென்னைப் பல்கலைக்கழகப் பேரவை அறிவிக்கிறது.

சென்னைப் பல்கலைக்கழக இலச்சினையுடன், சென்னையில் 2005 ஆம் ஆண்டு நவம்பர் 30 திங்கள் 30 ஆம் நாள் அளிக்கப்பட்டது.

*The Senate of the University of Madras hereby makes known that*  
**AYUB KHAN DAWOOD D** *has been conferred the*

**DEGREE OF DOCTOR OF PHILOSOPHY**

*he/she having been certified by duly appointed examiners to be qualified to receive the same in the year 2005 .*

*Given under the seal of the University of Madras, at Chennai this*  
30<sup>th</sup> *day of* November 2005 *.*

*Title of the Thesis :* "Entrepreneurial Performance in Small Scale Industrial Units in the Post-Globalisation Era"  
ஆய்வுத் தலைப்பு : (Commerce)



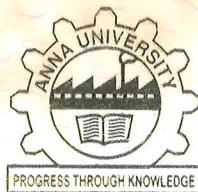
  
பதிவாளர்  
Registrar



  
துணை வேந்தர்  
Vice-Chancellor



# Anna University



Reg.No. 4080013134/RG

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

*Title of the Thesis:*

**SOFT COMPUTING DESIGN AND DEVELOPMENT OF A MULTI CRITERIA DECISION SUPPORT SYSTEM FOR INDIAN GREEN COFFEE GLOBAL SUPPLY CHAIN PREDICTIVE ANALYTICS**

*Given under the Seal of the University*





Sl. No. 614264

Read by	<i>D. S. Khan</i>
Verified by	<i>R. Iqbal</i>





TOKYO INSTITUTE  
OF  
TECHNOLOGY

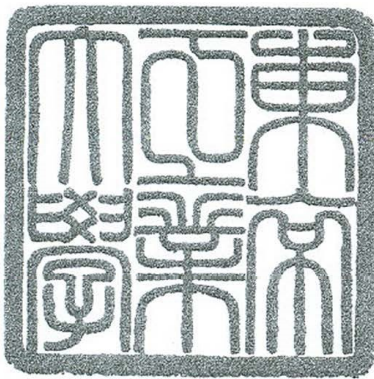
GRADUATION CERTIFICATE

No. 0393040

Date September 30, 2003

THIS IS TO CERTIFY THAT  
BERNADETTA KWINTIANA ANE

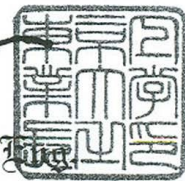
*a national of Indonesia with date of birth as June 6,  
1973 pursued the prescribed course of Industrial  
Engineering and Management at the Tokyo Institute of  
Technology, and is awarded the Degree of DOCTOR of  
PHILOSOPHY*



Masuo Aizawa D.Eng.

President

TOKYO INSTITUTE OF TECHNOLOGY



*This is a certified transcript of the authentic diploma in Japanese.*







# Indian Institute of Technology Madras

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

*on*

**S BHAGAVATHY**

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

**SYNTHETIC STUDIES ON GLYCALS (PART A) AND 2-  
AZETIDINONES (PART B)**

*Given this day the Ninth of August, 2003  
under the seal of the Institute.*



*Usha Titus  
Registrar*

*M. S. Subramanian  
Director*

*[Signature]  
Chairman, Board of Governors*



# Gandhigram Rural University

(Established under Section 3 of the UGC Act, 1956  
vide notification No.F.9-1/76.U.3 dated 3<sup>rd</sup> August, 1976  
of the Govt. of India)

The Syndicate of  
Gandhigram Rural University  
hereby confers the Degree of  
Doctor of Philosophy

on

*P. Devi*

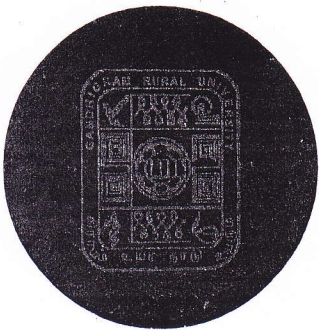
for successfully completing the prescribed programme  
of study and presenting the thesis entitled

*"Sexual and Reproductive Health Behaviour of*

*Adolescent Mothers in Rural Tamilnadu"*

Given this day the ~~Eighteenth~~ of *July* 2009.....

*under the seal of the University*



Gandhigram

Tamilnadu

Dated : 18 JUL 2009

*Ashishah*  
Registrar

*M. Karabalu*  
Vice-Chancellor

# Anna University



Reg. No.:2006419106/RG

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

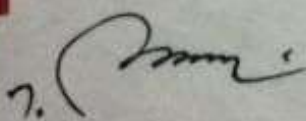
*Title of the thesis:*

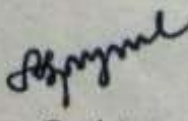
**A PRAGMATIC APPROACH TOWARDS AUTOMATIC STORY GENERATION AND REASONING**

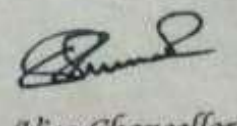
*Given under the Seal of the University*



Chennai 600 025  
India  
January 2012

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor





Reg. No.:2001399702/RG

The Syndicate of the Anna University Chennai hereby makes known that **JAYASHREE R** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the Faculty of Electrical Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2008.

*Title of the thesis:*

**ASSESSMENT AND ENHANCEMENT OF AVAILABLE TRANSFER CAPABILITY AND COST EFFECTIVE CONGESTION MANAGEMENT IN DEREGULATED POWER SYSTEM**



Chennai 600 025  
India  
December 2008

*Given under the Seal of the University*

Controller of Examinations

Registrar

Vice-Chancellor





# Pondicherry University



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

**KALILUTHIN A K**

*has been admitted to the Degree of*

**DOCTOR OF PHILOSOPHY**

*in Civil Engineering for the thesis entitled "Studies on the Behavior of R.C. Exterior Beam-Column Joints with "Core Reinforcement" " in March 2018.*

*Given under the Seal of the University*



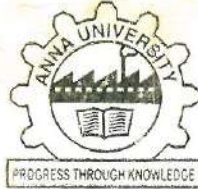
*[Signature]*  
Registrar

Puducherry  
Date 15 FEB 2019

*[Signature]*  
Vice-Chancellor



# Anna University



Reg.No. 20083082013/RG

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

*Title of the Thesis:*

**AN INTEGRATED FRAMEWORK FOR PERFORMANCE ENHANCEMENT IN HIERARCHICAL CLUSTER BASED WIRELESS SENSOR NETWORK**



*Given under the Seal of the University*





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

2010 ஆம் ஆண்டில் சென்னைப் பல்கலைக்கழகத்தில் ஆய்வு நிகழ்த்தி  
வழங்கிய ஆய்வேட்டுக்காக முனைவர் பட்டம் பெறத் தகுதியுடையவர் என்று தக்க  
தேர்வாளர்களால் சான்றளிக்கப்பட்டு கார்த்திகேயன் கே  
என்பவருக்கு முனைவர் பட்டம் அளிக்கப்படுகிறது என்று சென்னைப் பல்கலைக்கழகப் பேரவை  
அறிவிக்கிறது.

சென்னைப் பல்கலைக்கழக இலச்சினையுடன், சென்னையில் 2011 ஆம் ஆண்டு  
மார்ச் திங்கள் 5 ஆம் நாள் அளிக்கப்பட்டது.

*The Senate of the University of Madras hereby makes known that*  
**KARTHIKEYAN K** *has been conferred the*

## **DEGREE OF DOCTOR OF PHILOSOPHY**

*he/she having been certified by duly appointed examiners to be qualified to*  
*receive the same in the year 2010 .*

*Given under the seal of the University of Madras, at Chennai this*  
*5<sup>th</sup> day of March 2011 .*

*Title of the Thesis :*

ஆய்வுத் தலைப்பு : "Synthesis of Nitrogen and Oxygen Based  
Heterocycles by 1,3-Dipolar Cycloaddition and  
Baylis- Hillman Reaction"  
(Chemistry - Organic Chemistry)



பதிவாளர்  
Registrar



  
துணை வேந்தர்  
Vice-Chancellor



அண்ணாமலைப்  
ANNAMALAI



பல்கலைக்கழகம்  
UNIVERSITY



அறிவியற்புலம்  
FACULTY OF SCIENCE

ஆகஸ்டு, 2007

இல்

கடல்வாழ் உயிரியல்

பிரிவில்

நடத்திய தேர்வுகளில் கார்த்திகேயன் இரா தேர்ச்சியடைந்து ஆய்வேட்டை  
மதிப்பிட முறையாக அமைக்கப்பெற்ற தேர்வுக்குழுவினர் சான்றளித்தபடி, ஆய்வியல் அறிஞர்  
பட்டம் பெறுவதற்கு உரியவர் ஆகின்றார் என அண்ணாமலைப் பல்கலைக்கழக  
ஆளவை இதன்வழி அறிவிக்கின்றது.

The Senate of the ANNAMALAI UNIVERSITY hereby makes  
known that KARTHIKEYAN R has been admitted  
to the Degree of DOCTOR OF PHILOSOPHY in MARINE BIOLOGY,  
he/she having been certified by duly appointed Board of Examiners who valued his/her  
thesis to be qualified to receive the same in AUGUST, 2007.

TITLE OF THE THESIS

Distribution of sea snakes in the Coromandel coast (Southeast Coast  
of India), Captive breeding and pharmacological aspects of annulated  
sea snake, Hydrophis cyanocinctus

பல்கலைக்கழக முத்திரை பெறுகின்றது  
Given under the seal of the University



அண்ணாமலைநகர்  
Annamalainagar

நாள்:  
Dated: 05/02/2008

Dr. M. Ramanathan

துணை வேந்தர்  
Vice-Chancellor





Code No. B2093 S.No. 67674

# 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)

வணிகவியல் புலம்  
FACULTY OF COMMERCE

பாரதிதாசன் பல்கலைக்கழக ஆட்சிக் குழு செப்டம்பர் 2017

ஆம் ஆண்டு ந. கோகிலா என்பவர்  
வணிகவியல் பிரிவில் முனைவர் என்னும்  
பட்டத்திற்குத் தகுதி பெற்றவர் என்று தக்க தேர்வாளர்கள் சான்றளித்தபடி  
முனைவர் என்னும் பட்டத்தை அவருக்குப் பல்கலைக்கழக  
இலச்சினையுடன் வழங்குகிறது.

The Syndicate of the BHARATHIDASAN UNIVERSITY hereby makes known that N. KOGILA has been admitted to the Degree of DOCTOR OF PHILOSOPHY, in the subject COMMERCE, having been certified by duly appointed Examiners to be qualified to receive the same in SEPTEMBER 2017.

Thesis Title

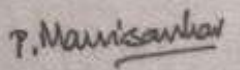
"THE IMPACT OF ANNOUNCEMENTS OF CORPORATE ACTIONS IN THE DERIVATIVES MARKET IN INDIA (WITH SPECIAL REFERENCE TO FUTURE MARKET)"

Given under the seal of the University.



திருச்சிரப்பள்ளி  
Tiruchirappalli

  
பதிவாளர் Registrar

  
துணைவேந்தர் Vice - Chancellor

நாள்: 21st February 2018

Date:

ISSUED ON: 21-02-2018

L 055499







# Madurai Kamaraj University

அறிவியற் புலம்

FACULTY OF SCIENCE

மதுரை காமராசர் பல்கலைக்கழக ஆட்சிப்பேரவை

உத. ஈ.ஸ்வராமூர்த்தி -

அறிஞர் பட்டம் பெறுதற்குத் தகுதியுடையவர் என முறையாக அமைக்கப்  
பெற்ற தேர்வீனோர் சான்றளித்தவாறு 1991 ஆம்  
ஆண்டில் இந்தப் பட்டப்பேற்றுக்கு உரியவர் ஆகின்றார் என இதன்வழி  
அறிவிக்கின்றது.

பல்கலைக்கழக முத்திரையுடன் இது வழங்கப்படுகின்றது

The Senate of the MADURAI KAMARAJ UNIVERSITY  
hereby makes known that D. Easwaramoorthy  
has been admitted to the Degree of Doctor of Philosophy,  
he/she having been certified by duly appointed Examiners to be  
qualified to receive the same in the year 1991.

Given under the seal of the University



பல்கலைநகர்  
Palkalai Nagar

DR

*(Handwritten signature)*



THE EXECUTIVE BOARD  
OF THE  
**INDIAN SCHOOL OF MINES**



upon the recommendation of the Academic Council  
hereby confers on

TIRUMALACHETTY HARINARAYANA

THE DEGREE OF  
**DOCTOR OF PHILOSOPHY**

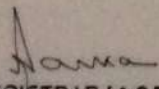
IN

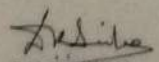
**APPLIED GEOPHYSICS**


with all the Honours Privileges and Obligations thereunto Pertaining

Given at Dhanbad on this Fourth day of April

Nineteen Hundred and Eighty Eight

  
REGISTRAR (ACTG)

  
CHAIRMAN  
ACADEMIC COUNCIL

  
CHAIRMAN  
EXECUTIVE BOARD



# Anna University Chennai



Reg. No. 2004719706/RG

The Syndicate of the Anna University Chennai hereby makes known that **HERBERT MABEL 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 **2008**.

*Title of the thesis:*

**CATALYTIC APPLICATIONS OF PHOSPHORIC ACID MODIFIED ZSM-5 ZEOLITE**

*Given under the Seal of the University*



Chennai 600 025  
India  
December 2008

*V. Srinivasan*  
Controller of Examinations

*S. Srinivasan*  
Registrar

*S. Srinivasan*  
Vice-Chancellor

# Anna University



Reg. No.:2007719117/RG

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

*Title of the thesis:*


**STUDIES ON SELENIDE SEMICONDUCTING THIN FILMS PREPARED FROM NANOPARTICLES**

*Given under the Seal of the University*



Chennai 600 025  
India  
January 2012

HAR01706A

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

BBUC2KAC671EB4BEDA8E94B93





*By the authority of the Board of Management  
and upon the recommendation of  
School of Computer, Information and Mathematical Sciences*

*B. S. Abdur Rahman Institute of Science & Technology  
confers upon*

*Javubar Sathick, K*

*the degree of Doctor of Philosophy in  
Computer Science  
with all its rights, privileges and honours  
for successfully completing the prescribed programme of study and  
presenting the thesis entitled  
"Personalized and Optimal Ranking System (PORS) for Recommendation  
in Heterogeneous Social Media Environment"  
in October 2018.*

*Given under the seal of the Institute,  
this Sixteenth day of December, Two Thousand and Eighteen.*



Registrar



Vice Chancellor

Date: 16/12/2018

Chennai - 600 048, Tamil Nadu, India



கலையியல் புலம்  
FACULTY OF ARTS

2012

ஆம் ஆண்டில் சென்னைப் பல்கலைக்கழகத்தில் ஆய்வு நிகழ்த்தி  
வழங்கிய ஆய்வேட்டுக்காக முனைவர் பட்டம் பெறத் தகுதியுடையவர் என்று தக்க  
தேர்வாளர்களால் சான்றளிக்கப்பட்டு ரத்னா பெ

என்பவருக்கு முனைவர் பட்டம் அளிக்கப்படுகிறது என்று சென்னைப் பல்கலைக்கழகப் பேரவை  
அறிவிக்கிறது.

சென்னைப் பல்கலைக்கழக இலச்சினையுடன், சென்னையில் 2013 ஆம் ஆண்டு  
ஆகஸ்ட் திங்கள் 17 ஆம் நாள் அளிக்கப்பட்டது.

*The Senate of the University of Madras hereby makes known that  
Rathna P has been conferred the*

**DEGREE OF DOCTOR OF PHILOSOPHY**

*he/she having been certified by duly appointed examiners to be qualified to  
receive the same in the year 2012*

*Given under the seal of the University of Madras, at Chennai this  
17<sup>th</sup> day of August 2013*

*Title of the Thesis* : "Predicament and the Prospects of the Marginalised: A Study of  
Selected Dalit and Aboriginal Autoethnographies" (English)  
ஆய்வுத் தலைப்பு :



*Rased*

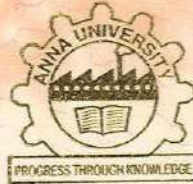
பதிவாளர்  
Registrar



*[Signature]*  
துணை வேந்தர்  
Vice-Chancellor



# Anna University



Reg.No. 2824499709/RG

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

*Title of the Thesis:*

**SECURE DYNAMIC ADAPTIVE ROUTE MAINTENANCE PROTOCOL FOR MOBILE AD HOC NETWORKS**



*Given under the Seal of the University*

Chennai 600 025  
India  
November 2014  
KAROLIA

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor  
THE ANNA UNIVERSITY, CHENNAI 600 025



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

ANDHRA PRADESH, INDIA



*S H G Ganesh*

*S/o S H Gopalan*

having fulfilled the academic requirements in April - 2005

has this day been admitted by the Executive Council to the Degree of

*Doctor of Philosophy*  
(Management Science)

Topic : A Study Examining Influences on Business Consumer Behaviour in Using System Products and Training Services in Hyderabad, India.

Given under the Seal of the University



H.T.No : 02303MGT

Hyderabad

Date : 25 March, 2006 Director of Evaluation

*[Signature]*  
Director of Evaluation

*[Signature]*  
Registrar



AL00297











# B.S.ABDUR RAHMAN UNIVERSITY

B.S.Abdur Rahman Institute of Science & Technology  
(Deemed University u/s 3 of the UGC Act, 1956)  
Accredited by NAAC with "A" Grade



*By the authority of the Board of Management  
and upon the recommendation of  
School of Computer, Information and Mathematical Sciences*

*B. S. Abdur Rahman Institute of Science & Technology  
confers upon*

*Nandakumar. C.D*

*the degree of Doctor of Philosophy in  
Mathematics  
with all its rights, privileges and honours  
for successfully completing the prescribed programme of study and  
presenting the thesis entitled  
"Some Stochastic Models for Determination  
of Optimal Reserve Inventory"  
in April 2017.*

*Given under the seal of the University,  
this Seventh day of October, Two Thousand and Seventeen.*



Registrar

Vice Chancellor



Date : 07/10/2017

Chennai - 600 048, Tamil Nadu, INDIA

*We, the Chancellor,  
the Vice Chancellor and  
the Members of the Management Council  
and the Academic Council of the  
University of Pune certify that*

*Nasir Ahmed*

*Mother's Name : Nazira Khatun*

*having been examined and found duly  
qualified for the degree of*

**Doctor of Philosophy**  
( *Biotechnology* )

*The said degree has been conferred on him.*

*In testimony whereof is set  
the seal of the said University.*



**University  
Of  
Pune**

(Formerly  
University of Poona)



**पुणे  
विद्यापीठ**

आम्ही, पुणे विद्यापीठाचे कुलपति,  
कुलगुरु आणि  
व्यवस्थापन परिषद  
व विद्या परिषद सदस्य,  
प्रमाणित करितो की,

निसार अहमद

आईचे नाव : हज़िरा खातून

**विद्यावाचस्पति**  
( *जीवतंत्रविज्ञान* )

पदवीस पात्र झाल्याबद्दल त्यांना

ही पदवी प्रदान करण्यात येत आहे.

याची साक्ष म्हणून विद्यापीठाची अधिकृत मुद्रा  
येथे अंकित करण्यात येत आहे.

9th February 2013



# Anna University Chennai

Reg. No.:2003439704/RG



The Syndicate of the Anna University Chennai hereby makes known that **JAWAHAR P 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 **2010**.

*Title of the thesis:*

**STUDIES ON RECONFIGURABLE ARCHITECTURES AND PARALLEL ARCHITECTURES FOR QoS ENHANCEMENT IN VoIP NETWORKS**

*Given under the Seal of the University*



Chennai 600 025  
India  
February 2010

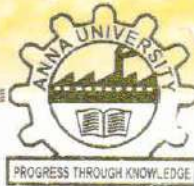
*V. Jayaraman*  
Controller of Examinations

*S. Jayaraman*  
Registrar

*S. Jayaraman*  
Vice-Chancellor



# Anna University



Reg.No.20084022015/RG

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

*Title of the Thesis:*

**PERSONALIZED ONTOLOGY BASED ADAPTIVE E-LEARNING SYSTEM**

Given under the seal of the University




Chennai 600025

India

June 2018

PAIR014212

  
Controller of Examinations  
PAKIR MOITHEEN T

  
Registrar

  
Vice-Chancellor  
OFFICE OF THE VICE-CHANCELLOR



# B.S.ABDUR RAHMAN UNIVERSITY

B.S.Abdur Rahman Institute of Science & Technology  
(Deemed University u/s 3 of the UGC Act, 1956)  
Accredited by NAAC with "A" Grade



*By the authority of the Board of Management  
and upon the recommendation of  
School of Computer, Information and Mathematical Sciences*

*B. S. Abdur Rahman Institute of Science & Technology  
confers upon*

*Pervaiz Iqbal*

*the degree of Doctor of Philosophy in  
Mathematics  
with all its rights, privileges and honours  
for successfully completing the prescribed programme of study and  
presenting the thesis entitled  
"Mathematical Modelling, Performance Analysis and Optimization  
of Operating System of Paper Plant"  
in July 2017.*

*Given under the seal of the University,  
this Seventh day of October, Two Thousand and Seventeen.*



  
Registrar

  
Vice Chancellor



Date : 07/10/2017

Chennai - 600 048, Tamil Nadu, INDIA





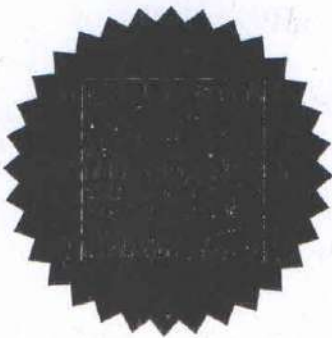
*Faculty of Science and Humanities*

*The Syndicate of the Anna University hereby makes known that KUTTI RANI 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 in the year 2004.*

*Title of the thesis :*

**METAL ION CATALYSED OXIDATIVE DECARBOXYLATION OF AMINO ACID ANIONS BY PEROXOMONOSULPHATE**

*Given under the Seal of the University*



Chennai 600 025  
India  
December 2004

*K. Jeyaraman*  
Registrar

*[Signature]*  
Vice-Chancellor





## *Faculty of Mechanical Engineering*

*The Syndicate of the Anna University hereby makes known that RASOOL MOHIDEEN 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 in the year 2006.*

*Title of the thesis:*

**FRACTURE ANALYSIS OF CRYOGENICALLY TREATED LOW ALLOY STEEL WELDMENTS**



*Given under the Seal of the University*

Chennai 600 025  
India  
November 2006

*K. J. Srinivasan*  
Registrar

*Alliwanathan*  
Vice-Chancellor



# Anna University



Reg.No. 2814799705/RG

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

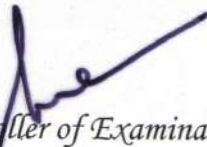
*Title of the Thesis:*

**FIRST PRINCIPLES CALCULATION OF THE ELECTRONIC AND  
MAGNETIC PROPERTIES OF SOME RARE EARTH NITRIDES AND  
TRANSITION METAL NITRIDES**

*Given under the Seal of the University*



Chennai 600 025  
India  
May 2017  
NAR017195

  
Controller of Examinations  
MOHAMED SHEIK SIRAJUDEEN M

  
Registrar

  
Chairman, Convener Committee  
Vice-Chancellor



20090280



# Jadavpur University

*Certified that*

**Sri Soumen Bera**

*was admitted to the Degree of Doctor of Philosophy in Science of this University on 26/08/2009 and that the degree was conferred on him/her at the Convocation held in December 2009 with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signatures of the Chancellor and the Vice-Chancellor of Jadavpur University are hereunto affixed.*

*P. N. Ghosh*  
Vice-Chancellor



The 24th December, 2009

A handwritten signature in blue ink, likely belonging to the Chancellor.

Chancellor



AA21



Code No. 000DD 5.90. 479228

பாரதிதாசன் பல்கலைக்கழகம்  
BHARATHIDASAN UNIVERSITY

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

அறிவியல் புலம்  
FACULTY OF SCIENCE

பாரதிதாசன் பல்கலைக்கழக ஆட்சிக் குழு மார்ச் 2009

ஆம் ஆண்டு

ச. சீனிவாசன்

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 **S. SRINIVASAN** has been admitted to the Degree of **DOCTOR OF PHILOSOPHY**, in the subject **MATHEMATICS**, having been certified by duly appointed Examiners to be qualified to receive the same in **MARCH 2009**.

Thesis Title

"A STUDY ON SOME STOCHASTIC MODELS FOR INVENTORY CONTROL"

*S. Chandra Mouli*

S. CHANDRA MOULI

INCOME TAX OFFICER  
MEDIA WARD - III

ROOM No: 315, III FLOOR,  
NEW BLOCK, AYAKAR BHAVAN  
121, M.G. ROAD, CHENNAI - 600 009

Given under the seal of the University.

திருச்சிராப்பள்ளி  
Tiruchirappalli

நாள் : 27th November 2009

Dated :

௧ ௨ ௨ 1 9 0

ISSUED ON 27 NOV 2009

*KL*

பதிவாளர் Registrar

*B. S.*

துணைவேந்தர் Vice-Chancellor





## भारतीय प्रौद्योगिकी संस्थान गुवाहाटी

विद्या परिषद की अनुशंसा पर

**जैवप्रौद्योगिकी** में

विद्या वाचस्पति की उपाधि

**शुभमय बनर्जी**

को इस उपाधि के प्रदान हेतु विनियम विहित अपेक्षाएँ अप्रैल 2014 में सफलतापूर्वक पूर्ण करने पर प्रदान करता है।

भारतीय गणराज्य के अंतर्गत गुवाहाटी में आज 13 जुलाई 2014 को संस्थान की यह मुद्रा अंकित उपाधि दी गई।

## INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI

upon the recommendation of the Senate hereby confers the degree of

**Doctor of Philosophy**

in

**Biotechnology**

on

**Subhamoy Banerjee**

who has successfully completed in April 2014, the requirements prescribed under the regulations for the award of this degree.

Given this day, under the seal of the Institute at Guwahati in the Republic of India, the 13th day of July, 2014.

Thesis Title : Nanocarrier Encapsulated Recombinant I $\kappa$ B $\alpha$  as Potential Therapeutic Agent

*Gautam Biswas*

निदेशक एव  
अध्यक्ष, विद्या परिषद  
Director and  
Chairman, Senate

*B. B. Saha*

कुलसचिव  
Registrar

*M. K. Saha*

अध्यक्ष,  
शासी मंडल  
Chairman  
Board of Governors





# Indian Institute of Technology Madras

hereby confers the degree of  
Doctor of Philosophy

of the Institute  
on

**WASIMA M**

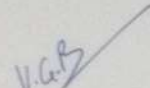
for successfully completing the prescribed programme of study and  
presenting the thesis entitled

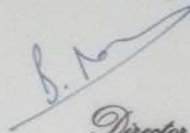
MOLECULAR GENETIC CHARACTERIZATION OF A PUTATIVE  
PROTEIN KINASE C IN *DICTYOSTELIUM*

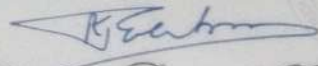


BT09D045

Given this day the Twentysecond of July, 2016  
under the seal of the Institute.

  
Registrar

  
Director

  
Chairman, Board of Governors







Reg.No. 2004219110/RG

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

*Title of the Thesis:*

**EXPERIMENTAL AND THEORETICAL STUDIES ON TUBE FORMABILITY CHARACTERISTICS USING HYDROFORMING PROCESS**

*Given under the Seal of the University*



Chennai 600 025  
India  
March 2013

*[Signature]*  
Controller of Examinations

*[Signature]*  
Registrar  
*[Signature]*  
Vice-Chancellor



Serial No. : 232

Enrollment No. : 10046



# Integral University

Lucknow (India)

hereby confers the degree of

## Doctor of Philosophy

on

Serajul Haque

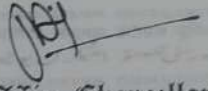


who has successfully completed the requirements prescribed by the University for the award of this degree in the  
*Department of Mechanical Engineering, Faculty of Engineering*  
in the year 2017. The title of his/her Thesis is  
*Effect of Process parameters on mechanical properties of AL6061 4% Cu - SiCp Metal Matrix composite*

Date of Issue : 03 Nov, 2017

Lucknow (U.P.), India



  
Vice Chancellor



# Anna University



Reg.No. 2007529106/RG

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

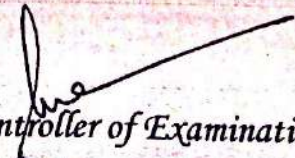
*Title of the Thesis:*

**STUDIES ON DECOLOURISATION OF TANNERY DYE WASTEWATER**

*Given under the Seal of the University*



Chennai 600 025  
India  
January 2016

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor



Faculty of ..... COMMERCE .....

The Senate of the **UNIVERSITY OF MADRAS** hereby makes known that

..... M. SHANMUGAM .....

has been conferred the *Degree of Doctor of Philosophy*,  
he/she having been certified by duly appointed examiners to be qualified to  
receive the same in the year ..... 1999 ..... for the thesis entitled

"A New Approach Towards Corporate Performance Evaluation" (Commerce)



Given under the seal of the University, at Madras this ..... 25th ..... day of ..... January 1999

  
Registrar

  
Vice-Chancellor





Reg.No. 2824499137/RG

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

**A GREEDY CROSS-LAYER FAULT TOLERANT ROUTING PROTOCOL  
FOR DENSE MANETS**

*Given under the Seal of the University*



# جامعہ ملیہ اسلامیہ



## ڈاکٹر آف فلاسفی

تصدیق کی جاتی ہے کہ شازیہ جمال کو سہ ۲۰۱۱ء میں

"اسٹرکچرل، فنکشنل اینڈ تھرموڈائنامک اسٹڈیز آف وی پی ایچ ڈیپینڈنس آف وی پروٹین فولڈنگ کی وابستگی آف آئینائزیشنل کیمیکل شیپرڈس" پر تحقیقی مقالہ منظور ہونے کے بعد اس یونیورسٹی نے ڈاکٹر آف فلاسفی کا مستحق قرار دیا۔

## JAMIA MILLIA ISLAMIA

(A Central University by an Act of Parliament)

## DOCTOR OF PHILOSOPHY

*This is to certify that* **Shazia Jamal**  
*after approval of his/her thesis on "Structural, Functional and Thermodynamic Studies of the pH Dependence of the Protein Folding Abilities of the Ionizable Chemical Chaperones" in 2011 has been admitted to the Degree of Doctor of Philosophy in this University.*

Musajil  
(Registrar) مسجل



Shaikhul Jamia  
(Vice-Chancellor) شیخ الجامعہ

Jamia Nagar, New Delhi-110025

16 NOV 2011

جامعہ ملیہ اسلامیہ - نئی دہلی - ۱۱۰۰۲۵

(Date of Issue)

N<sup>o</sup> 001794



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Ph.D./15/Nº 000388

مَالِمُ الْعِلْمِ



عِلْمُ الْأَنْبِيَاءِ

## Doctor of Philosophy

This is to certify

that *Sibghatullah Naesir*,  
Enrol. No. *PGD-5941*, has been awarded  
the degree of Doctor of Philosophy (Ph.D.)  
in *Commerce*  
of this University for the year *2016*.

ALIGARH MUSLIM UNIVERSITY  
ALIGARH - 202 002 (INDIA)

28.11.2016

Date of issue \_\_\_\_\_

*James Mah*  
Vice-Chancellor





அறிவியல் புலம்  
FACULTY OF SCIENCE

2013

ஆம் ஆண்டில் சென்னைப் பல்கலைக்கழகத்தில் ஆய்வு நிகழ்த்தி வழங்கிய ஆய்வேட்டுக்காக முனைவர் பட்டம் பெறத் தகுதியுடையவர் என்று தக்க தேர்வாளர்களால் சான்றளிக்கப்பட்டு சிந்து ஜெ குமார் என்பவருக்கு முனைவர் பட்டம் அளிக்கப்படுகிறது என்று சென்னைப் பல்கலைக்கழகப் பேரவை அறிவிக்கிறது.

சென்னைப் பல்கலைக்கழக இலச்சினையுடன், சென்னையில் 2014 ஆம் ஆண்டு ஏப்ரல் திங்கள் 30 ஆம் நாள் அளிக்கப்பட்டது.

*The Senate of the University of Madras hereby makes known that*  
Sindhu J Kumar *has been conferred the*

**DEGREE OF DOCTOR OF PHILOSOPHY**

*he/she having been certified by duly appointed examiners to be qualified to receive the same in the year 2013.*

*Given under the seal of the University of Madras, at Chennai this*  
30<sup>th</sup> *day of* April 2014.

*Title of the Thesis : "Studies on Pattern and Pure Pattern Languages"*  
(Mathematics)  
ஆய்வுத் தலைப்பு :

The Ph.D. Degree has been awarded in accordance with the provisions of the regulations of the UGC

*R. Jeyaraj*  
பதிவாளர்  
Registrar



துணை வேந்தர்  
Vice-Chancellor



# National Institute of Technology

TIRUCHIRAPPALLI - 620 015 INDIA

hereby confers the degree of

**Doctor of Philosophy**

of the Institute

on

**M THIRUMURUGAN**

for successfully completing the prescribed programme of study

and presenting the thesis entitled

**MICROSTRUCTURE AND TEXTURE DEPENDENCE OF MECHANICAL PROPERTIES IN ZM21 AND**

**AZ91 MAGNESIUM ALLOYS**

Given this day the Third of August, 2013

Under the Seal of the Institute.



Registrar  
G. J. S.

Director  
S. S. S.

Chairman, Board of Governors

R. S. S.



# Indian Institute of Technology Madras

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

**PRIYA V S**

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

**DEVELOPMENT AND PERFORMANCE EVALUATION OF  
A HYBRID TREATMENT SYSTEM FOR THE COMPLETE TREATMENT OF  
PHARMACEUTICAL WASTEWATER**



CE09D013

*Given this day the Twentyfourth of July, 2015*  
*under the seal of the Institute.*



*V.G.B.*  
Registrar

*S. Anand*  
Director

*R. Venkatesh*  
Chairman, Board of Governors



# Anna University Chennai



Reg. No.:2004719718/RG

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

*Title of the thesis:*

**SYNTHESIS AND CHARACTERIZATION OF DI-SITE PHASE TRANSFER CATALYSTS: KINETIC APPLICATION IN RADICAL POLYMERIZATION OF ALKYL METHACRYLATES**

*Given under the Seal of the University*



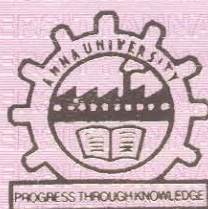
Chennai 600 025  
India  
December 2008

Controller of Examinations

Registrar

Vice-Chancellor





# ANNA UNIVERSITY CHENNAI

CHENNAI - 600 025

## PROVISIONAL CERTIFICATE

Folio No. : **CAR017025**

*This is to certify that the undermentioned candidate has qualified for the award of Degree as detailed below :*

**Name** : **VAJJIRAVEL M**

**Registration No.** : **2004719718/Ph.D/AR5**

**Degree** : **Doctor of Philosophy - Ph.D.**

**Branch** : **CHEMISTRY**

**Faculty** : **SCIENCE AND HUMANITIES**

**Date, Month & Year  
of Viva Voce**

**Examination Held** : **09.04.2008**

**Syndicate Resolution**

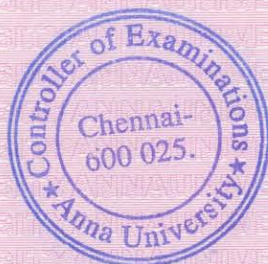
**Number** : **188.6.3 of the 188th Meeting of the Syndicate held on  
28.04.2008**

**Title of Thesis**

**: SYNTHESIS AND CHARACTERIZATION OF DI-SITE PHASE  
TRANSFER CATALYSTS: KINETIC APPLICATION IN RADICAL  
POLYMERIZATION OF ALKYL METHACRYLATES**

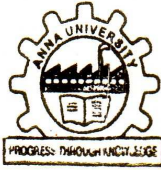
Chennai - 600 025.

Date : **23-JUN-08**



*V. Srinivasan*  
Controller of Examinations





**COLLEGE OF ENGINEERING, GUINDY**  
**ANNA UNIVERSITY, CHENNAI - 600 025.**  
 (An Autonomous Constituent Institution of Anna University)

CEG 0012983

**DEGREE EXAMINATIONS**  
**GRADE SHEET**

Folio No.

NAME OF THE CANDIDATE		VAJJIRAVEL M					REGISTER NO.	2004719718			
DATE OF BIRTH		25.06.1980		SEX	M		MONTH & YEAR OF EXAM.				
PROGRAMME & BRANCH		Ph.D					DATE OF PUBLICATION		29.06.2005		
Sem. No.	Course Code	Course Title				Credits	Letter Grade	Grade Point	Result		
	CM701	Research Methodology and Analytical Techniques Dec'04				4	C	28	Pass		
	CM702	Concepts in Chemistry		Dec'04		4	B	32	Pass		
	CM705	Concepts and Techniques in Catalysis		Dec'04		3	D	18	Pass		
	CM703	Physical Organic Chemistry		May'05		3	C	21	Pass		
Semester		I	II	III	IV	V	VI	VII	VIII	IX	X
Credits Registered		14.0									
Credits Earned		14.0									
Grade Point Average (GPA)		7.7									
Total Credits Earned		14.0					Cumulative Grade Point Average (CGPA)			7.7	

Grade	Points
S	10
A	9
B	8
C	7
D	6
E	5
U	0

Chennai - 600 025.  
 Date :



*B. Arund*  
 Controller of Examinations

I - Incomplete due to shortage of attendance (denoted as INCP)  
 W - Withdrawn (denoted as 'WRDN')



**Anna**
  
**Bambhigram Rural Institute**
  
**( Remedial University )**

Re-Accredited by NAAC with 'A' Grade

The Board of Management of the  
 Bambhigram Rural Institute  
 hereby confers the Degree of  
 Doctor of Philosophy

on  
*Vasimalai N*

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

"ULTRASENSITIVE AND SELECTIVE DETERMINATION OF TOXIC CHEMICALS  
 AND DRUGS USING METAL AND SEMICONDUCTOR NANOPARTICLES AS  
 FLUOROPHORES"

(Date of Viva Voce: 24.10.2013 )

Given this day the *Twenty Second* of *January* 2014  
 under the seal of the Institute



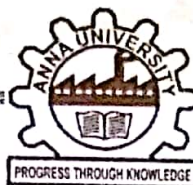
Bambhigram  
 Tamilnadu  
 Dated : 22 JAN 2014

Registrar

Vice-Chancellor



# Anna University



Reg.No. 2715799720/RG



*The Syndicate of the Anna University hereby makes known that*  
**VIJAYARAGHAVAN G V** *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".*

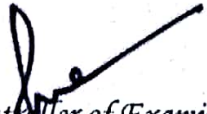
*Title of the Thesis:*

**SPECTRAL AND TUNABLE LASER STUDIES ON EXCITATION ENERGY TRANSFER DISTRIBUTED FEEDBACK DYE LASERS**

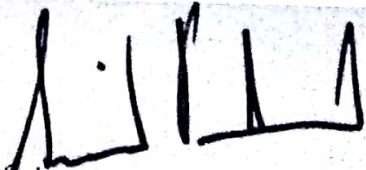
*Given under the Seal of the University*



Chennai 600 025  
India  
May 2017  
NANNI 7038

  
Controller of Examinations  
VIJAYARAGHAVAN G V

  
Registrar

  
Chairman, Convener Committee  
Vice-Chancellor  
1570873438/2017/REGISTRATION/ANNA/UNIV





# SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act, 1956)

(A CHRISTIAN MINORITY INSTITUTION)

**சத்யபாமா பல்கலைக்கழகம்**

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

(கிறித்துவ சிறுபான்மையினர் கல்வி நிறுவனம்)

**FACULTY OF ELECTRONICS ENGINEERING**



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

**VIJAYALAKSHMI. B**

has been conferred

the **DEGREE OF DOCTOR OF PHILOSOPHY**, having been certified by duly appointed examiners to be qualified to receive the same in **APRIL 2011** for the thesis entitled

**DEVELOPMENT OF STEREO VISION BASED ALGORITHMS FOR OBSTACLE DETECTION THROUGH 3D SCENE GENERATION FROM 2D IMAGES**

given under the seal of the university, at chennai this **TWELFTH** day of **May 2011**

Given under the seal of the University



Registrar

Director

Director

Vice-Chancellor



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

Date : May 12, 2011



The Rector of Universiteit Gent grants

**Vimal Kumar Udhayakumar**

born on 4 February 1990 in Kancheepuram Tamilnadu (India)

the Academic Degree of

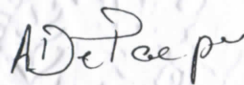
**Doctor in de wetenschappen: biochemie en biotechnologie**

**(Doctor of Science: Biochemistry and Biotechnology)**

The holder of this degree can use the title of Doctor and of Doctor of Philosophy (PhD). This degree corresponds to level 8 of the Flemish Qualifications Structure, as laid down in the Decree of 30 April 2009 concerning the Qualifications Structure, and to level 8 of the European Qualifications Framework for Lifelong Learning.

The diploma is given in accordance with the Higher Education Code dated 11 October 2013, ratified by the Decree dated 20 December 2013.

Issued in Ghent, 24 May 2017



Prof. Dr. Anne De Paepe  
Rector Universiteit Gent

ref. 01210863/D0090557

The diploma and the diploma supplement are one and indivisible.

Check the authenticity on <http://attesting.UGent.be> with code 5f9ea-45bc7-13ef8-5b742





*By the authority of the Board of Management  
and upon the recommendation of  
School of Social Sciences and Humanities*

*B. S. Abdur Rahman Institute of Science & Technology  
confers upon*

*Vijayakumar. S*

*the degree of Doctor of Philosophy in  
English  
with all its rights, privileges and honours  
for successfully completing the prescribed programme of study and  
presenting the thesis entitled  
"Teaching Academic Writing to the Students of Engineering Using  
Multimedia Supported Process Approach: An Experimental Study"  
in December 2017.*

*Given under the seal of the Institute,  
this Sixteenth day of December, Two Thousand and Eighteen.*



*[Handwritten signature]*

Registrar



*[Handwritten signature]*

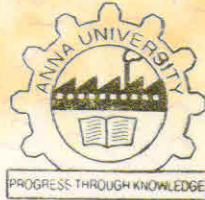
Vice Chancellor

Date: 16/12/2018

Chennai - 600 048, Tamil Nadu, India



# Anna University



Reg.No. 2824499136/RG

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

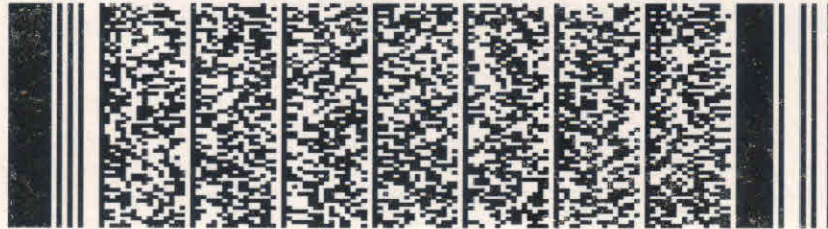
*Title of the Thesis:*

**INVULNERABLE SECURITY METHODS FOR MOBILE RFID ENVIRONMENT**

*Given under the Seal of the University*







SI. No. 030172

Read by	<i>iceber</i>
Verified by	<i>T.he</i>

# Anna University



Reg.No. 2007299200/RG

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

**DEVELOPMENT OF Co-BASED WALLEX-50 AND Ni-BASED TRIBALLOY-700 COATINGS BY LASER SURFACE ALLOYING AND LASER TRANSFORMATION HARDENING FOR HYDROTURBINE APPLICATIONS**


*Given under the Seal of the University*

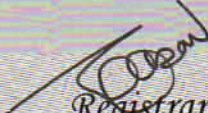


Chennai 600 025

India

January 2016

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor



179

Reg. No. ....7399.....



கலையியற் புலம்  
FACULTY OF ARTS



மனோன்மணியம் சுந்தரனார் பல்கலைக்கழக ஆட்சிக்குழு  
செல்வந்தோணி அ

நூலகம் மற்றும் தகவல் அறிவியல் பாடப்பிரிவில்

அறிஞர் பட்டம் பெறுவதற்குத் தகுதியுடையவர் என முறையாக அமைக்கப்பெற்ற  
தேர்வினோர் சான்றளித்தவாறு ஏப்பிரல் 2016 ஆம் ஆண்டில்  
இப் பட்டப்பேற்றுக்கு உரியவர் ஆகின்றார் என இதன்வழி அறிவிக்கின்றது.

பல்கலைக்கழக முத்திரையுடன் இது வழங்கப்படுகின்றது.

The Syndicate of the **MANONMANIAM SUNDARANAR UNIVERSITY**  
hereby makes known that **SELVANTONY A**  
has been admitted to the Degree of **Doctor of Philosophy in**  
**LIBRARY AND INFORMATION SCIENCE**  
he/she having been certified by duly appointed Examiners to be qualified  
to receive the same in the year. **APRIL 2016**



Given under the seal of the University.

திருநெல்வேலி, இந்தியா  
Tirunelveli, India  
நாள், Dated 28/12/2016

*Selvaraj*  
(Dr.S.Prabakar)  
தேர்வாணையர்  
Controller of Examinations

*John De Britto*  
(Dr.A.John De Britto)  
பதிவாளர்  
Registrar

*Baskar*  
(Dr.K.Baskar)  
துணை வேந்தர்  
Vice-Chancellor



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

*The Senate has conferred upon*

**SHAFAAAT AHMED SALAHUDEEN**

THE DEGREE OF

**DOCTOR OF PHILOSOPHY  
(POLYMER ENGINEERING)**

FOR THESIS ENTITLED:

DESIGN OF ROTOR FOR INTERNAL BATCH MIXER AND MIXING ELEMENTS FOR  
TWIN SCREW EXTRUDER FOR POLYOLEFIN PROCESSING

**Vice Chancellor**

UNIVERSITI TEKNOLOGI MALAYSIA

**Registrar**

UNIVERSITI TEKNOLOGI MALAYSIA



2017P-000316



APRIL 5, 2017







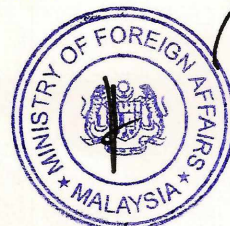
058340

**NORDIANA BINTI RIJALUDDIN**  
SENIOR ASSISTANT DIRECTOR  
ACADEMIC DEVELOPMENT MANAGEMENT DIVISION  
DEPARTMENT OF HIGHER EDUCATION  
MINISTRY OF HIGHER EDUCATION

3 1 MAY 2017

This is to certify that the signature  
appears on this document/Certificate/Marriage  
Certificate/Birth/Death Certificate is that of  
**Nor Diana binti Rijaluddin** who  
is **Ministry of Higher Education**

The Ministry of Foreign Affairs, Malaysia is not  
responsible of the accuracy of the information  
contained therein.



**ZULKIPLY ENDUT**  
Consular Officer  
Consular Division  
Ministry of Foreign Affairs  
Putrajaya Malaysia

3 1 MAY 2017

NAME	: SHAFAT AHMED SALAHUDEEN	DATE OF ADMISSION	: 13 FEBRUARY 2012
STUDENT NO.	: PK113157	MODE OF STUDY	: RESEARCH
IC/ISID NO.	: 201202M10038	STATUS OF STUDY	: COMPLETED
PASSPORT/OLD IC NO.	: L3804156	FINAL CGPA	: 4.00
DATE OF BIRTH	: 19 DECEMBER 1986	DATE OF COMPLETION	: 05 APRIL 2017
CITIZENSHIP	: INDIA	DEGREE AWARDED	: DOCTOR OF PHILOSOPHY (POLYMER ENGINEERING)
GENDER	: MALE		
FACULTY	: CHEMICAL AND ENERGY ENGINEERING		
PROGRAMME OF STUDY	: DOCTOR OF PHILOSOPHY (POLYMER ENGINEERING)	AWARDING INSTITUTION	: UNIVERSITI TEKNOLOGI MALAYSIA
		TEACHING INSTITUTION	: UNIVERSITI TEKNOLOGI MALAYSIA
		LANGUAGE OF INSTRUCTION	: ENGLISH

CODE	COURSE	CREDIT COURSE	GRADE	STATUS	CODE	COURSE	CREDIT COURSE	GRADE	STATUS
------	--------	---------------	-------	--------	------	--------	---------------	-------	--------

**CREDIT TRANSFERRED :**

TOTAL CREDITS TRANSFERRED : 0

**CREDIT EXEMPTED :**

TOTAL CREDITS EXEMPTED : 0

**SESSION 2011/2012 SEMESTER II**

MKR1100	RESEARCH	0	MM
CREDITS EARNED (THIS SEMESTER) : 0			
CUMULATIVE CREDITS EARNED (TOTAL SEMESTER) : 0			
GPA : 0.00			
CGPA : 0.00			

**SESSION 2012/2013 SEMESTER I**

MKR1200	RESEARCH	0	MM
CREDITS EARNED (THIS SEMESTER) : 0			
CUMULATIVE CREDITS EARNED (TOTAL SEMESTER) : 0			
GPA : 0.00			
CGPA : 0.00			

**SESSION 2012/2013 SEMESTER II**

PKR2100	RESEARCH	0	MM
CREDITS EARNED (THIS SEMESTER) : 0			
CUMULATIVE CREDITS EARNED (TOTAL SEMESTER) : 0			
GPA : 0.00			
CGPA : 0.00			

**SESSION 2012/2013 SEMESTER III**

UH26123	MALAYSIAN SOCIETY AND CULTURE	3	A	
ULP0010	RESEARCH METHODOLOGY	0	HL	HW
CREDITS EARNED (THIS SEMESTER) : 3				
CUMULATIVE CREDITS EARNED (TOTAL SEMESTER) : 3				
GPA : 4.00				
CGPA : 4.00				

**SESSION 2013/2014 SEMESTER I**

PKR2200	RESEARCH	0	MM
CREDITS EARNED (THIS SEMESTER) : 0			
CUMULATIVE CREDITS EARNED (TOTAL SEMESTER) : 3			
GPA : 0.00			
CGPA : 4.00			

**SESSION 2013/2014 SEMESTER II**

PKR3100	RESEARCH	0	MM
CREDITS EARNED (THIS SEMESTER) : 0			
CUMULATIVE CREDITS EARNED (TOTAL SEMESTER) : 3			
GPA : 0.00			
CGPA : 4.00			

**SESSION 2014/2015 SEMESTER I**

PKR3200	RESEARCH	0	MM
CREDITS EARNED (THIS SEMESTER) : 0			
CUMULATIVE CREDITS EARNED (TOTAL SEMESTER) : 3			
GPA : 0.00			
CGPA : 4.00			

**SESSION 2014/2015 SEMESTER II**

PKR4100	RESEARCH	0	MM
CREDITS EARNED (THIS SEMESTER) : 0			
CUMULATIVE CREDITS EARNED (TOTAL SEMESTER) : 3			
GPA : 0.00			
CGPA : 4.00			

Continue...

- ✓ This transcript is valid when it bears the signature of the Deputy Registrar (Academic Management Division) and embossed seal of Universiti Teknologi Malaysia
- ✓ See reverse for explanation of transcript guide
- ✓ Release of this information to a third party requires written consent from the student



## TRANSCRIPT GUIDE

### 1. ACADEMIC STANDING

ACADEMIC STANDING	TAUGHT COURSE	RESEARCH GRADE	CONDITION TO PROCEED WITH THE STUDY	AWARD OF THE DEGREE
Good Pass (KB)	CGPA $\geq$ 3.00	Satisfactory (MM)	Qualified	Qualified
Conditional Pass (KS)	$2.67 \leq$ CGPA $<$ 3.00	Unsatisfactory (TM)	Qualified	Not Qualified
Fail (KG)	CGPA $<$ 2.67	Fail (GG)	Terminated	Not Qualified

### 2. GRADING SYSTEM

#### 2.1 Grading

MARKS	GRADE	GRADE POINT
90-100	A+	4.00
80-89	A	4.00
75-79	A-	3.67
70-74	B+	3.33
65-69	B	3.00
60-64	B-	2.67
55-59	C+	2.33
50-54	C	2.00
45-49	C-	1.67
40-44	D+	1.33
35-39	D	1.00
30-34	D-	0.67
00-29	E	0.00

#### 2.2 Other Grades/Status

GRADE / STATUS	EXPLANATION	CREDIT ATTEMPTED	CREDIT EARNED
HL	Passed Attendance	No	Yes
HG	Fail Attendance	No	No
HS	Attendance Only	No	No
TS	Incomplete	Yes	No
TD	Couse Withdrawal	No	No
UM	Replacement Course	Yes	No
CE	Credit Exemption	No	Yes
CT	Credit Transfer	Yes	Yes
UG	Grade Replacement	Yes	No
MN	Minor	Yes	Yes
L	Pass on Re-sit	No	No

### 3. EXPLANATION FOR DISSERTATION AND THESIS

Dissertation or Thesis has to be registered every semester.

	DISSERTATION (20 credit hours)	THESIS (40 credit hours)
MASTER	[ 20 credit x 40 = 800 SLT ]	[ 40 credit x 40 = 1600 SLT ]
PHD	[ 50 credit x 40 = 2000 SLT ]	[ 90 credit x 40 = 3600 SLT ]

\* SLT = student learning time

### 4. EXPLANATION ON TRANSCRIPT NOTATIONS

**Credit Hours :** The credit value assigned to a subject to reflect the academic workload of the subject. One credit hour usually represents one hour of lecture per week. The total credit hours for a semester represent the total academic workload for that semester.  
**Cumulative Credit Hours :** Total number of credits earned and accumulated up to the current semester.  
**Grade Point Average (PNG) :** Grade point average obtained by the student in a semester.  
**Cumulative Grade Point Average (PNGK) :** Cumulative grade point average obtained by the student in all the semesters completed.

### 6. STATUS OF STUDY

**COMPLETED :** Students who have fulfilled the requirements for graduation and are qualified to be awarded a diploma or degree.  
**ON-GOING :** Student undergoing the course.  
**INCOMPLETE :** Student who do not meet the requirements for graduation but who have completed the maximum duration of study allowed and who therefore do not qualify to be awarded a diploma or degree.  
**TERMINATED :** Student who have withdrawn from the course with permission from University.  
**FAIL :** Student who do not meet the pass level for the course or student whose study in the University has been terminated under the or the Course and Subject Registration Procedure.

This is to certify that the signature appears on this document/Certificate/Marriage Certificate/Birth/Death Certificate is that of Nor Diana binti Rijaluddin who is Ministry of Higher Education. The Ministry of Foreign Affairs, Malaysia is not responsible of the accuracy of the information contained therein.



**ZULKIPLY ENDUT**  
 Consular Officer  
 Consular Division  
 Ministry of Foreign Affairs  
 Putrajaya Malaysia

31 MAY 2017

ACADEMIC MANAGEMENT DIVISION,  
 OFFICE OF THE DEPUTY  
 VICE-CHANCELLOR (ACADEMIC & INTERNATIONAL)  
 UNIVERSITI TEKNOLOGI MALAYSIA, 81310 UTM SKUDAI,  
 JOHOR BAHRU, JOHOR, MALAYSIA.  
 TEL: 607-5530351 FAX: 607-5581791

**NORDIANA BINTI RIJALUDDIN**  
 SENIOR ASSISTANT DIRECTOR  
 ACADEMIC DEVELOPMENT MANAGEMENT DIVISION  
 DEPARTMENT OF HIGHER EDUCATION  
 MINISTRY OF HIGHER EDUCATION

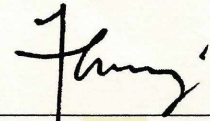
31 MAY 2017

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		TEACHING INSTITUTION	: UNIVERSITI TEKNOLOGI MALAYSIA
		LANGUAGE OF INSTRUCTION	: ENGLISH

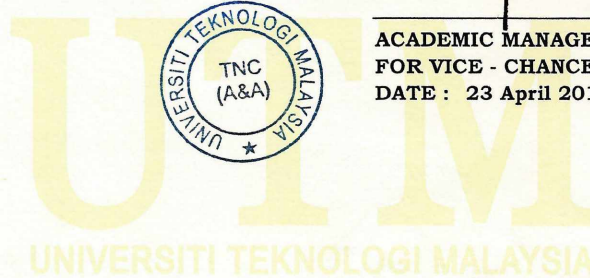
CODE	COURSE	CREDIT COURSE	GRADE	STATUS	CODE	COURSE	CREDIT COURSE	GRADE	STATUS
<b>SESSION 2015/2016 SEMESTER I</b>					<b>SESSION 2015/2016 SEMESTER II</b>				
PKR4200	RESEARCH	0	MM		PKR5100	RESEARCH	0	MM	
CREDITS EARNED (THIS SEMESTER) : 0					CREDITS EARNED (THIS SEMESTER) : 0				
CUMULATIVE CREDITS EARNED (TOTAL SEMESTER) : 3					CUMULATIVE CREDITS EARNED (TOTAL SEMESTER) : 3				
GPA : 0.00					GPA : 0.00				
CGPA : 4.00					CGPA : 4.00				

**TITLE OF THESIS :**  
 DESIGN OF ROTOR FOR INTERNAL BATCH MIXER AND MIXING ELEMENTS FOR TWIN SCREW EXTRUDER FOR POLYOLEFIN PROCESSING

**THIS TRANSCRIPT WAS ISSUED BY ACADEMIC MANAGEMENT DIVISION**



**ACADEMIC MANAGEMENT DIVISION  
 FOR VICE - CHANCELLOR  
 DATE : 23 April 2017**





## TRANSCRIPT GUIDE

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65-69	B	3.00
60-64	B-	2.67
55-59	C+	2.33
50-54	C	2.00
45-49	C-	1.67
40-44	D+	1.33
35-39	D	1.00
30-34	D-	0.67
00-29	E	0.00

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**ZULKIPLY ENDUT**  
 Consular Officer  
 Consular Division  
 Ministry of Foreign Affairs  
 Putrajaya Malaysia

3 1 MAY 2017

ACADEMIC MANAGEMENT DIVISION,  
 OFFICE OF THE DEPUTY  
 VICE-CHANCELLOR (ACADEMIC & INTERNATIONAL)  
 UNIVERSITI TEKNOLOGI MALAYSIA, 81310 UTM SKUDAI,  
 JOHOR BAHRU, JOHOR, MALAYSIA.  
 TEL: 607-5530351 FAX: 607-5581791

**NORDIANA BINTI RIJALUDDIN**  
 SENIOR ASSISTANT DIRECTOR  
 ACADEMIC DEVELOPMENT MANAGEMENT DIVISION  
 DEPARTMENT OF HIGHER EDUCATION  
 MINISTRY OF HIGHER EDUCATION  
 3 1 MAY 2017



SL. No.: A 011414

**B.S.ABDUR RAHMAN**  
Institute of Science & Technology  
(A Muslim Minority Institution)  
Deemed to be University  
Estd. u/s.3 of the UGC Act, 1956  
Accredited by NAAC with "A" Grade



Reg. No. : 1187204



*By the authority of the Board of Management  
and upon the recommendation of  
School of Computer, Information and Mathematical Sciences*

*B. S. Abdur Rahman Institute of Science & Technology  
confers upon*

*Shakkeera. L*

*the degree of Doctor of Philosophy in  
Information Technology  
with all its rights, privileges and honours  
for successfully completing the prescribed programme of study and  
presenting the thesis entitled  
"Energy-Efficient Adaptive Optimization  
Framework for Mobile Cloud Computing"  
in October 2018.*

*Given under the seal of the Institute,  
this Sixteenth day of December, Two Thousand and Eighteen.*



Registrar



Vice Chancellor

Date: 16/12/2018

Chennai - 600 048, Tamil Nadu, India





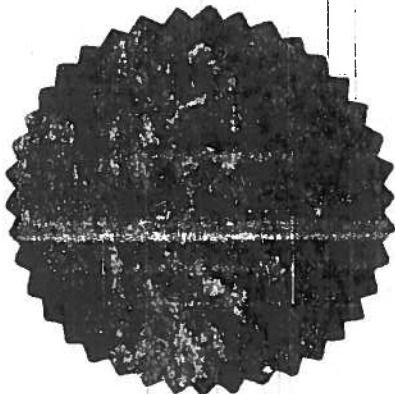
*Faculty of Science and Humanities*

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

**SHAMEEM BANU . I . B .**

*has been admitted to the Degree of Doctor of Philosophy  
having been certified by duly appointed Examiners to be qualified to  
receive the same in the year 2001*

*Title of the thesis* **THEORETICAL INVESTIGATION OF HIGH PRESSURE  
BEHAVIOUR OF STRONTIUM AND CALCIUM MONOCHALCOGENIDES AND  
BONDING PROPERTIES OF ALKALINE EARTH DINICKEL AND DIRHODIUM  
DIPHOSPHIDES**



*Given under the Seal of the University*

*University Buildings,  
Chennai - 600 025*

*Month and Year* .....  
SEPTEMBER 2001

  
Registrar

  
Vice-Chancellor



# جامعہ ملیہ اسلامیہ



## ڈاکٹر آف فلاسفی

تصدیق کی جاتی ہے کہ شیزا خاں کو  
”افیکٹس آف نان میتھیلامن آسمولائٹس ان کاؤنٹر ایکٹنگ دی ڈیلیٹیو ایس افیکٹس  
آف یوریا آن اسٹریکچر، فنکشن اینڈ اسٹیبلٹی آف لائسوزائم“  
پر تحقیقی مقالہ منظور ہونے کے بعد اس یونیورسٹی نے ڈاکٹر آف فلاسفی کا مستحق قرار دیا۔  
۲۰۱۳ء میں

## JAMIA MILLIA ISLAMIA

(A Central University by an Act of Parliament)

## DOCTOR OF PHILOSOPHY

This is to certify that Sheeza Khan

after approval of his / her thesis on “Effects of Non-methylamine Osmolytes  
in Counteracting the Deleterious Effects of Urea on Structure, Function  
and Stability of Lysozyme” in

has been admitted to the Degree of Doctor of Philosophy in this University.

Shahid Ashraf

Musajil  
(Registrar) مسجل



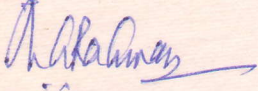
Shaikhul Jamia  
(Vice-Chancellor) شیخ الجامعہ

28 NOV 2013



CHECKED BY

  
.....  
(RUKHSANA IRFAN)  
URDU TYPIST



M. Hifzur Rahman  
Development Officer  
Jamia Millia Islamia  
New Delhi-110025





AA19



Code No. 000B9 S.No. 479227

பாரதிதாசன் பல்கலைக்கழகம்  
BHARATHIDASAN UNIVERSITY

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

அறிவியல் புலம்  
FACULTY OF SCIENCE

பாரதிதாசன் பல்கலைக்கழக ஆட்சிக்குழு மார்ச் 2009

ஆம் ஆண்டு

ப.ச. சேக் உதுமான்

என்பவர்

கணிதவியல்

பிரிவில்

முனைவர்

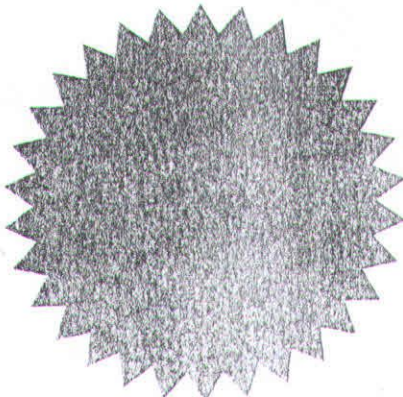
என்னும்

பட்டத்திற்குத் தகுதி பெற்றவர் என்று தக்க தேர்வாளர்கள் சான்றளித்தபடி முனைவர்  
என்னும் பட்டத்தை அவருக்குப் பல்கலைக்கழக இலச்சினையுடன் வழங்குகிறது.

The Syndicate of the **BHARATHIDASAN UNIVERSITY** hereby makes  
known that **P.S. SEHIK UDUMAN** has been admitted  
to the Degree of **DOCTOR OF PHILOSOPHY**, in the subject  
**MATHEMATICS**, having been certified by duly  
appointed Examiners to be qualified to receive the same in  
**MARCH 2009**.

Thesis Title

A STUDY ON INVENTORY PROBLEMS USING SCBZ PROPERTY.



Given under the seal of the University.

திருச்சிராப்பள்ளி  
Tiruchirappalli

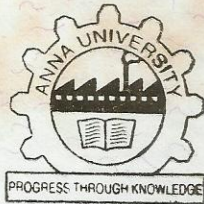
நாள் : 27th November 2009  
Dated :

பதிவாளர் Registrar

துணைவேந்தர் Vice-Chancellor



# Anna University



Reg.No. 2006239116/RG

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

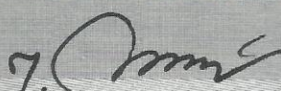
*Title of the Thesis:*

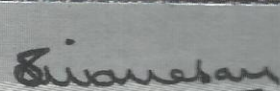
**DEVELOPMENT AND INVESTIGATION OF PROPERTIES OF ALUMINIUM SILICON ALLOY-FLY ASH COMPOSITES PRODUCED BY POWDER METALLURGICAL TECHNIQUE**

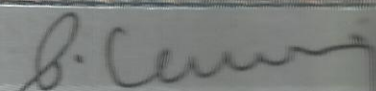
*Given under the Seal of the University*



Chennai 600 025  
India  
March 2013

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor



Reg. No. 96. 41. 15



*Faculty of Science and Humanities*

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

**SYED MOHAMED ABDUL MAJEED. 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 in the year 2002.*

*Title of the thesis* **STUDIES ON DEVELOPMENT AND CHARACTERISATION  
OF VINYLTRIEHOXYSILANE GRAFTED ETHYLENE PROPYLENE DIENE  
TERPOLYMER / LINEAR LOW DENSITY POLYETHYLENE (EPDM-g-VTES/LLDPE)  
BLENDS**



*Given under the Seal of the University*

*University Buildings,  
Chennai - 600 025*

*Month and Year* **..AUGUST.2002.....**

  
Registrar

  
Vice-Chancellor



# NATIONAL UNIVERSITY OF SINGAPORE



This is to certify that

*SUDARKODI SUKUMAR*

having fulfilled the requirements prescribed  
by the University under the Singapore-MIT  
Alliance was conferred the degree of

**DOCTOR OF PHILOSOPHY**

on

30 September 2013

A handwritten signature in black ink, appearing to be 'A. H. Tan', written over a faint circular watermark of the National University of Singapore crest.

*Chair, Board of Trustees*

A handwritten signature in black ink, appearing to be 'Tan Chuan-Jin', written over a faint circular watermark of the National University of Singapore crest.

*President*









Code No. 05629 :S.No. 537186

# பாரதிதாசன் பல்கலைக்கழகம் BHARATHIDASAN UNIVERSITY

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

## அறிவியல் புலம் FACULTY OF SCIENCE

பாரதிதாசன் பல்கலைக்கழக ஆட்சிக் குழு செப்டம்பர் 2010

ஆம் ஆண்டு ம. ஆஷா ஜோன்ஸி என்பவர்  
வேதியியல் பிரிவில் முனைவர் என்னும்  
பட்டத்திற்குத் தகுதி பெற்றவர் என்று தக்க தேர்வாளர்கள் சான்றளித்தபடி  
முனைவர் என்னும் பட்டத்தை அவருக்குப் பல்கலைக்கழக  
இலச்சினையுடன் வழங்குகிறது.

The Syndicate of the **BHARATHIDASAN UNIVERSITY** hereby makes  
known that **M. ASHA JHONSI** has been admitted  
to the Degree of **DOCTOR OF PHILOSOPHY**, in the subject  
**CHEMISTRY**, having been certified by duly  
appointed Examiners to be qualified to receive the same in  
**SEPTEMBER 2010.**

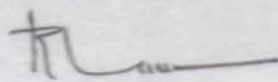
Thesis Title

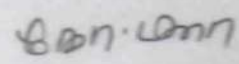
"INVESTIGATIONS ON THE PHOTOINDUCED INTERACTION OF  
CERTAIN PORPHYRINS, XANTHENE DYES AND ALBUMINS  
WITH COLLOIDAL CdX (X = SULPHUR, SELENIUM AND TELLURIUM)  
SEMICONDUCTOR NANOPARTICLES"

Given under the seal of the University.

திருச்சிராப்பள்ளி  
Tiruchirappalli

தாள் : 12th November 2010  
Dated :

  
பதிவாளர் Registrar

  
துணைவேந்தர் Vice-Chancellor

F.019930 12 NOV 2010





*By the authority of the Board of Management  
 and upon the recommendation of  
 School of Computer, Information and Mathematical Sciences*

*B. S. Abdur Rahman Institute of Science & Technology  
 confers upon*

*Abdul Azeez Khan. A*

*the degree of Doctor of Philosophy in  
 Computer Science  
 with all its rights, privileges and honours  
 for successfully completing the prescribed programme of study and  
 presenting the thesis entitled  
 "Externalization of Experts' Knowledge in  
 E-learning Environment"  
 in September 2018.*

*Given under the seal of the Institute,  
 this Sixteenth day of December, Two Thousand and Eighteen.*



Registrar



Vice Chancellor

Date: 16/12/2018

Chennai - 600 048, Tamil Nadu, India





*Faculty of Science and Humanities*

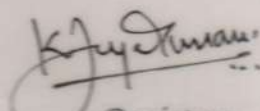
*The Syndicate of the Anna University hereby makes known that*  
**BASHEER AHAMED M** *has been admitted to the* **DEGREE OF**  
**DOCTOR OF PHILOSOPHY** *having been certified by duly appointed*  
*examiners to be qualified to receive the same in the year 2004.*

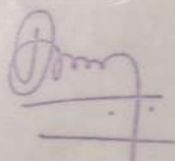
*Title of the thesis :*

**ULTRASHORT PULSE GENERATION BY ENERGY TRANSFER DISTRIBUTED  
FEEDBACK DYE LASERS**



*Given under the Seal of the University*

  
Registrar

  
Vice-Chancellor



திருவள்ளூர் பல்கலைக்கழகம்

Thiruvalluvar University



வணிகவியல் புலம்  
FACULTY OF ..... COMMERCE

2017 ஆம் ஆண்டில் திருவள்ளூர் பல்கலைக்கழகத்தில் ஆய்வு நிகழ்த்தி வழங்கிய ஆய்வேட்டுக்காக முனைவர் பட்டம் பெறத் தகுதியுடையவர் என்று தக்க சீனிவாசன் சி தேர்வாளர்களால் சான்றளிக்கப்பட்டு என்பவருக்கு முனைவர் பட்டம் அளிக்கப்படுகிறது என்று திருவள்ளூர் பல்கலைக்கழக ஆட்சிக்குழு அறிவிக்கிறது.

திருவள்ளூர் பல்கலைக்கழக இலச்சினையுடன், வேலூரில் 2018 மார்ச் 09 திங்கள் ஆம் நாள் அளிக்கப்பட்டது

*The Syndicate of Thiruvalluvar University hereby makes known that*  
SRINIVASAN C *has been conferred the*

**DEGREE OF DOCTOR OF PHILOSOPHY**  
IN COMMERCE

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

*Given under the seal of the Thiruvalluvar University at Vellore this*  
09<sup>th</sup> *day of* MARCH 2018

*Title of the Thesis* : A STUDY ON HUMAN RESOURCE MANAGEMENT PRACTICES AND JOB SATISFACTION AMONG LINE STAFF IN THE LEATHER COMPANIES AT VELLROE DISTRICT  
ஆய்வுத்தலைப்பு :



Dr. B. SENTHILKUMAR  
தேர்வணையர் (பொ)  
Controller of Examinations (FAC)

Dr. V. PERUVALLUTHI  
பதிவாளர் (பொ)  
Registrar (I/C)

Dr. K. MURUGAN  
துணைவேந்தர்  
Vice-Chancellor

நாள் : 306 - XIII

Dated : 09 MARCH, 2018

வேலூர் - 632 115, தமிழ் நாடு, இந்தியா

Vellore - 632 115, Tamil Nadu, India







PHDMS07P762



புலம்

மேலாண்மையியல்

FACULTY OF  
MANAGEMENT STUDIES



அன்னை தெரசா மகளிர் பல்கலைக்கழக ஆட்சிக்குழு  
சந்திரிகா. கி

முனைவர் பட்டம்

பெறுவதற்கு தகுதியுடையவர் என முறையாக அமைக்கப்பெற்ற தேர்வினோர்  
பிப்ரவரி 2016

இல் நடத்திய தேர்வுகளில் சான்றளித்தபடி அன்னவர் தேர்வுபெற்று  
இந்த பட்டப்பேற்றுக்கு உரியவர் ஆகின்றார் என்று இதன்வழி அறிவித்துக்கொள்கின்றது.

பல்கலைக்கழக முத்திரையுடன் பெறுகின்றது

The Executive Council of the **MOTHER TERESA WOMEN'S UNIVERSITY**

hereby makes known that..... **CHANDRIKA. K**

has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY**, she having been  
certified by duly appointed Examiners to be qualified to receive the same at the Examination held in  
**FEBRUARY 2016**

Given under the seal of the University



கொடைக்கானல்  
Kodaikanal  
நாள் Dated : 13.02.2016

*D. Kumaran*  
தேர்வணையர்  
Controller of Examinations

*M. Kala*  
பதிவாளர்  
Registrar



*[Signature]*  
கட்டுரை  
Convener  
தலைவரவர்கள்  
Vice-Chancellor





கலையியல் புலம்  
FACULTY OF ARTS

2017 ஆம் ஆண்டில் சென்னைப் பல்கலைக்கழகத்தில் ஆய்வு நிகழ்த்தி  
வழங்கிய ஆய்வேட்டுக்காக முனைவர் பட்டம் பெறத் தகுதியுடையவர் என்று தக்க  
தேர்வாளர்களால் சான்றளிக்கப்பட்டு அப்துஸ் ஸமது

என்பவருக்கு முனைவர் பட்டம் அளிக்கப்படுகிறது என்று சென்னைப் பல்கலைக்கழகப் பேரவை  
அறிவிக்கிறது.

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

*The Senate of the University of Madras hereby makes known that  
ABDUS SAMAD has been conferred the*

**DEGREE OF DOCTOR OF PHILOSOPHY**

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

*Given under the seal of the University of Madras, at Chennai this  
15<sup>th</sup> day of July 2017.*

*Title of the Thesis :* "AN NATHRU AL FANNI FEE AL QURAN AL KAREEM"  
(Arabic)  
ஆய்வுத் தலைப்பு :

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

S. Srinivasulu  
பதிவாளர்  
Registrar



P. D. Dhanraj  
துணை வேந்தர்  
Vice-Chancellor





*By the authority of the Board of Management  
and upon the recommendation of  
School of Arabic and Islamic Studies*

*B. S. Abdur Rahman Crescent Institute of Science & Technology  
confers upon*

*Ali Ibrahim. A.M*

*the degree of Doctor of Philosophy in  
Islamic Studies*

*with all its rights, privileges and honours*

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

*"Leadership in Islamic Perspective with A Special Focus on Ethics in  
Leadership Practices"  
in September 2019.*

*Given under the seal of the Institute,  
this Fifth day of October, Two Thousand and Nineteen.*



Registrar

Vice Chancellor



Date: 05/10/2019

Chennai - 600 048, Tamil Nadu, India



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Ph.D./18/ N<sup>o</sup> 001073

مَالِئٌ سَعَادَةً



عِلْمٌ أَلَانِيَا

## Doctor of Philosophy

This is to certify

that *Ansari Sarwar Alam Noor Alam*,

Enrol. No. *GH-7118* has been awarded

the degree of Doctor of Philosophy (Ph.D.)

in *Commerce*

of this University for the year *2018*.

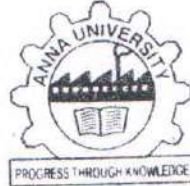
ALIGARH MUSLIM UNIVERSITY  
ALIGARH - 202 002 (INDIA)

Date of issue 27.09.2018

*Tariq Masood*

Vice-Chancellor





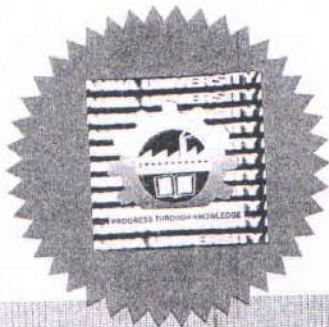
Reg.No. 2006719724/RG

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


Title of the Thesis:

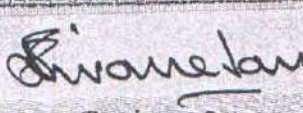
**BANDWIDTH REDUCTION OF SPARSE SYMMETRIC MATRICES**

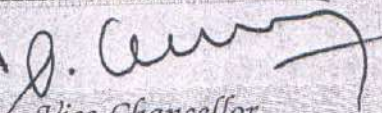
Given under the Seal of the University



Chennai 600 025  
India  
March 2013

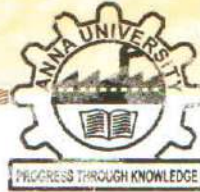
  
Controller of Examinations

  
Registrar

  
Vice-Chancellor



# Anna University



Reg.No. 2914219121/RG

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

**EXPERIMENTAL AND NUMERICAL STUDIES ON GLASS/CARBON-EPOXY AND GLASS/KEVLAR-EPOXY HYBRID LAMINATES**

*Given under the Seal of the University*



Chennai 600 025  
India  
May 2017  
NAR012016

  
Controller of Examinations  
AROCKIA JULIAS A

  
Registrar

  
Chairman, Convener Committee  
Vice-Chancellor  
KJENR170222CBER004715RANA



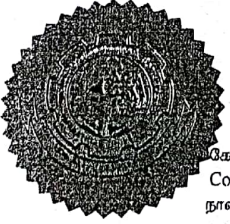


பாரதியார் பல்கலைக் கழகம்  
Bharathiar University  
சமூக அறிவியல் புலம்  
FACULTY OF SOCIAL SCIENCES



பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு, சீனிவாசன் மு ப, 2012 ஆம் ஆண்டு, ஆகஸ்ட் 13 ஆம் நாளில் நூலகம் மற்றும் தகவல் அறிவியல் 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 SRINIVASAN M P has been admitted to the Degree of DOCTOR OF PHILOSOPHY in LIBRARY & INFORMATION SCIENCE, having been certified by duly appointed Examiners to be qualified to receive the same on 13th AUGUST 2012 .*



A000145

கோயம்புத்தூர்  
Coimbatore  
நாள்

Dated: 6th June 2013

Given under the Seal of the University.

K. G. Senthil Kumar

தேர்வாளையர்

Controller of Examinations

பதிவாளர்

Registrar



*[Signature]*

துணைவேந்தர்

Vice-Chancellor



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

HYDERABAD - 500 085, TELANGANA STATE, INDIA

TS 500047



H. T No. : 410831EC/PH

*Mr. M Mohamed Ismail*  
*Sh. M A Mohamed Mustafa*

having fulfilled the academic requirements in *April, 2014*  
has this day been admitted by the Executive Council to the Degree of

*Doctor of Philosophy*  
*Electronics & Communication Engineering*

Topic : Efficient Mixed Radix 8-2 FFT Algorithm for VLSI  
Implementation.

Given under the Seal of the University

Date: 04-09-2014



DIRECTOR OF EVALUATION

REGISTRAR

VICE CHANCELLOR



4500014161881

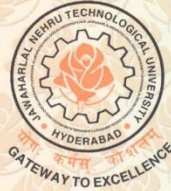
PC No  
19725854163



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

HYDERABAD - 500 085, TELANGANA STATE, INDIA

TS 683309



H.T No. : 0803PH0741

*Mr. Mohamed Shuaib*  
*S/o. Mohamed Yassin*

having fulfilled the academic requirements in *November, 2015*  
has this day been admitted by the Executive Council to the Degree of

*Doctor Of Philosophy*  
*Electrical And Electronics Engineering*

Topic : Analysis of Radial Distribution System for Loss Minimization  
Using Artificial Intelligence Techniques

Given under the Seal of the University

Date: 27-05-2016



DIRECTOR OF EVALUATION

REGISTRAR

VICE CHANCELLOR



46005146992

PC No  
315000068



Enrolment No. 2012/3015

# वनस्थली विद्यापीठ

विद्यापीठ द्वारा निर्धारित  
सभी अर्हताएं पूरी करने पर  
मोहम्मद अशफ़ाक

को

**डॉक्टर ऑफ़ फ़िलासॉफ़ि**  
**बायोटैक्नोलॉजी**

की उपाधि में आज के दिन दीक्षित किया गया।  
प्रमाण स्वरूप विद्यापीठ की मुद्रा एवं कुलपति के  
हस्ताक्षर अंकित किये जाते हैं।

## BANASTHALI UNIVERSITY

On having fulfilled the requirements  
laid down by the University

*Mohammad Ashfaq*

has been

admitted this day to the degree of

**DOCTOR OF PHILOSOPHY**  
**BIOTECHNOLOGY**

In token whereof are inscribed the seal of the University  
and the signature of the Vice-Chancellor.



तारीख 14 October, 2016  
Date

कुलपति  
Vice-Chancellor



प्रमाणित किया जाता है कि मोहम्मद अशफ़क

को डॉक्टर ऑफ़ फ़िलॉसॉफ़ि के प्रत्याशी के रूप में

बायोटेक्नोलॉजी

में पंजीकृत किया गया था और शोध-प्रबन्ध का विषय निम्नलिखित था :

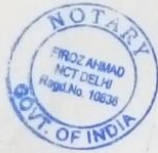
Certified that **Mohammad Ashfaq**

was registered as a candidate for Doctor of Philosophy in

**Biotechnology**

and the title of thesis was :

**'Novel Polymer-Nanometals - Carbon Nanofibers  
Composite Biomaterials: Synthesis and Applications'**



**NOTARY ATTESTED**

NOTARY PUBL No. F. 9-6/81-U. 3  
DELHI (India) Government of India

Ministry of Education and Culture  
(Department of Education)

New Delhi, the 25th October, 1983

Handwritten signature and initials.

3864  
15 JAN 2007  
सं० दिनांक  
No. Date  
निसा न्यायालय/उप विधायक न्यायालय/  
विद्यापीठ न्यायालय के इलाखर सहायक न्यायाधीश  
The Signatures of District Judge/  
Sub Divisional Magistrate/Registrar  
of Marriage Attested.  
प्रिदत मंत्रालय इस दस्तावेज के केंद्रों की विषय वस्तु से  
जिम्मेदारी नहीं लेता।  
Ministry of External Affairs accepts  
no responsibility for the contents of this  
document.



B. K. JHA  
SDM (Civil Lines)  
Govt. of NCT of Delhi  
Tis Hazari Court, Delhi

**NOTIFICATION**

In exercise of the powers conferred by Section 3 of the University Grants Commission Act, 1956 (3 of 1956) the Central Government, on the advice of the Commission, hereby declare that Banasthali Vidyapith P. O. Banasthali Vidyapith (Rajasthan) shall be deemed to be a University for the purpose of the aforesaid Act.



(पुष्पा रानजान)  
(PUSHPA RANJAN)  
ऑफिस ऑफिसर, (अटैस्टेशन)  
Commission Officer (Attestation)  
एन.पी.ओ. ऑफिस, एन.पी.ओ. बिल्डिंग  
विदेश मंत्रालय, नई दिल्ली  
Ministry of External Affairs  
New Delhi

M. R. Kolhatkar  
(M. R. Kolhatkar)

Joint Secretary to the Government of India

- 1. Degree checked by.....
- 2. Degree checked by.....

Offg. Secretary  
Banasthali Vidyapith

Addl. Registrar  
Banasthali Vidyapith

तारीख/Date 14 October, 2016

44581905  
AUTHENTICATION  
该文件内容在印度外交部印章和该处官员  
PUSHPA RANJAN的签字均属实。  
中华人民共和国  
驻印度大使馆  
二等秘书  
2017年01月06日  
(2017) 印领证字第 0000080 号



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Ph.D./18/ N<sup>o</sup> 000853

مَالِمْ عَلِيمِ



عِلْمِ الْإِنْسَانِ

## Doctor of Philosophy

This is to certify

that *Mohsin Khan*.....,

Enrol. No. *GD-7340* has been awarded

the degree of Doctor of Philosophy (Ph.D.)

in *Commerce*.....

of this University for the year *2017*.....

ALIGARH MUSLIM UNIVERSITY  
ALIGARH - 202 002 (INDIA)

Date of issue 22.05.2018

*Tariq Mansoor*  
Vice-Chancellor



# North-Eastern Hill University

## पूर्वोत्तर पर्वतीय विश्वविद्यालय



DOCTOR OF PHILOSOPHY

डॉक्टर ऑफ फिलासफी

*This is to certify that*

MOON MOON HUSSAIN

*has been admitted to the Degree of DOCTOR OF PHILOSOPHY in  
Economics under the School of  
ECONOMICS, MANAGEMENT AND INFORMATION SCIENCES  
in the year 2012.*

प्रमाणित किया जाता है कि

MOON MOON HUSSAIN

को इस विश्वविद्यालय के अर्थशास्त्र प्रबंधन एवं सूचना विज्ञान संकाय  
के अंतर्गत अर्थशास्त्र

विषय में डॉक्टर ऑफ फिलासफी की उपाधि वर्ष 2012 में प्रदान की गयी ।

*Given under the seal of the University.*

विश्वविद्यालय की मुहर के अंतर्गत प्रदत्त

Serial No. / कम संख्या 75

Registration No./ पंजीकरण संख्या 988 of 28.10.2005

Shillong / शिलांग

Date / दिनांक 6th November 2012

*Anamulatai*

Vice – Chancellor

कुलपति



H 033815



Code No. 04DDBF-S.No. 662324

## பாரதிதாசன் பல்கலைக்கழகம் BHARATHIDASAN UNIVERSITY

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

### அறிவியல் புலம் FACULTY OF SCIENCE

பாரதிதாசன் பல்கலைக்கழக ஆட்சிக் குழு அக்டோபர் 2012

ஆம் ஆண்டு டி. முபாரக் அலி என்பவர்  
நுண்ணுயிரியல் 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 **D. MUBARAKALI** has been admitted  
to the Degree of **DOCTOR OF PHILOSOPHY**, in the subject  
**MICROBIOLOGY**, having been certified by duly  
appointed Examiners to be qualified to receive the same in  
**OCTOBER 2012.**

Thesis Title

"SURVEY, MOLECULAR SYSTEMATICS AND NANOBIOLOGICAL  
POTENTIALS OF MARINE CYANOBACTERIA AND DIATOM"



Given under the seal of the University.

திருச்சிரப்பள்ளி  
Tiruchirappalli  
நாள் : 06th March 2013  
Date :

பதிவாளர் Registrar

துணைவேந்தர் Vice - Chancellor



ISSUED ON : 6 MAR 2013





2015

ஆம் ஆண்டில் சென்னைப் பல்கலைக்கழகத்தில் ஆய்வு நிகழ்த்தி வழங்கிய ஆய்வேட்டுக்காக முனைவர் பட்டம் பெறத் தகுதியுடையவர் என்று தக்க தேர்வாளர்களால் சான்றளிக்கப்பட்டு நஹ்வி அ மு முஹ்யித்தீன் லெப்பை என்பவருக்கு முனைவர் பட்டம் அளிக்கப்படுகிறது என்று சென்னைப் பல்கலைக்கழகப் பேரவை அறிவிக்கிறது.

சென்னைப் பல்கலைக்கழக இலச்சினையுடன், சென்னையில் 2015 ஆம் ஆண்டு மார்ச் திங்கள் 26 ஆம் நாள் அளிக்கப்பட்டது.

*The Senate of the University of Madras hereby makes known that Nahvi A M Muhiyadeen Lebbai has been conferred the*

### DEGREE OF DOCTOR OF PHILOSOPHY

*he/she having been certified by duly appointed examiners to be qualified to receive the same in the year 2015 .*

*Given under the seal of the University of Madras, at Chennai this 26<sup>th</sup> day of March 2015 .*

*Title of the Thesis :* "DAWRU AL-MADARIS AL-ARABIYYA FEE TAMIL NADU FEE TARVEEJI AL-DIRASAT AL-ARABIYYA WA AL-ஆய்வுத் தலைப்பு : ISLAMIYYA" (Modern Arabic)

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

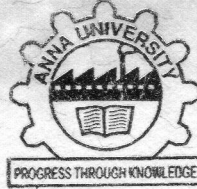
*[Signature]*  
பதிவாளர்  
Registrar



*[Signature]*  
துணை வேந்தர்  
Vice-Chancellor



# Anna University



Reg.No. 2007479182/RG

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

*Title of the Thesis:*

**SOME INVESTIGATIONS ON NUMERICAL SIMULATION OF PHOTODETECTORS FOR FUTURE GENERATION OPTICAL COMMUNICATION SYSTEM**



*Given under the Seal of the University*



# Anna University Chennai



Reg. No.:2002599103/RG

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

*Title of the thesis:*

**MECHANICAL AND BALLISTIC BEHAVIOURAL STUDY OF HTPB BASED COMPOSITE SOLID PROPELLANTS**



*Given under the Seal of the University*

Chennai 600 025

India

February 2010

CAR012122

Controller of Examinations

Registrar

Vice-Chancellor

6702DACC381536014F102187A0D08E



# Anna University Chennai



Reg. No.:2003419104/RG

The Syndicate of the Anna University Chennai hereby makes known that **KAJA MOHIDEEN 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 **2008**.

*Title of the thesis:*

**SIMULATION STUDY OF NEWLY CONFIGURED LOW POWER DOUBLE EDGE TRIGGERED FLIP-FLOP AND ITS APPLICATION IN ASYNCHRONOUS MICROPIPELINE ARCHITECTURES**

*Given under the Seal of the University*



Chennai 600 025  
India  
December 2008

Controller of Examinations

Registrar

Vice-Chancellor



**NATIONAL INSTITUTE OF TECHNOLOGY, DURGAPUR**  
MAHATMA GANDHI AVENUE, DURGAPUR-713209, WEST BENGAL, INDIA  
Website: www.nitdgp.ac.in

February 20, 2015

TO WHOM IT MAY CONCERN

This is to certify that by **R. Karunanithi** has successfully completed all prescribed requirements of the Institute for the degree of **Doctor of Philosophy (PhD)**, Department of **Metallurgical & Materials Engineering Department**.

The date of viva voce: **February 12, 2015**

Title of the PhD thesis: **Synthesis and Characterization of TiO<sub>2</sub> Dispersed Al 7075 Alloy Composite**

Department: **Metallurgical & Materials Engineering Department**

Registration No: **NITD/MME/11/PhD/00309**

  
Deputy Registrar (Academic & Examination)

  
Dean (Research & Consultancy)

उपकुल सचिव (शैक्षणिक एवं परीक्षा)  
DEPUTY REGISTRAR (ACAD & EXAMS)  
राष्ट्रीय प्रौद्योगिकी संस्था  
NATIONAL INSTITUTE OF TECHNOLOGY  
दुर्गापुर / DURGAPUR

Dean, Research & Consultancy  
National Institute of Technology  
Durgapur - 713209, INDIA

*Note: Validity of this certificate will expire on the award of the degree in the next convocation.*







ASD/04/ N<sup>o</sup> 000963

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

مَدِينَةُ



عِلْمُ الْأَنْبِيَاءِ

## Doctor of Philosophy

This is to certify

that Khalid Waheed,

Enrolment No. BB-3187, has been admitted

to the degree of Doctor of Philosophy

in Economics in this

University at the Convocation of 2009.

ALIGARH MUSLIM UNIVERSITY  
ALIGARH—202 002 (INDIA)

Dated 7<sup>th</sup> June, 2009

Vice-Chancellor



# جامعہ ملیہ اسلامیہ



## ڈاکٹر آف فلاسفی

تصدیق کی جاتی ہے کہ محمد خورشید عالم خاں کو  
۲۰۰۹ء میں "رول آف کنزرویوڈ ریزیڈیووز ان دی فولڈنگ اینڈ اسٹیبلائزیشن آف ہارس  
سائٹوکروم - سی"

پر تحقیقی مقالہ منظور ہونے کے بعد اس یونیورسٹی نے ڈاکٹر آف فلاسفی کا مستحق قرار دیا۔

## JAMIA MILLIA ISLAMIA

(A Central University by an Act of Parliament)

## DOCTOR OF PHILOSOPHY

This is to certify that *Md. Khurshid Alam Khan*  
after approval of his / her thesis on "*Role of Conserved Residues  
in the Folding and Stabilization of Horse Cytochrome-C*"  
in *2009*  
has been admitted to the Degree of Doctor of Philosophy in this  
University.

Musajjil  
(Registrar) مسجل



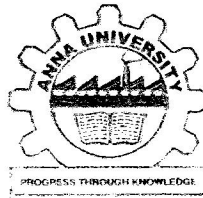
Shaikhul Jamia  
(Vice-Chancellor) شیخ الجامعہ

Jamia Nagar, New Delhi, Dated the

23 NOV 2010

جامعہ گریجویٹ، نئی دہلی، مورخہ





Reg. No.:2004419106/RG

*The Syndicate of the Anna University Chennai hereby makes known that*  
**LATHA TAMILSELVAN** *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* **2008**.

*Title of the thesis:*

**PROTOCOLS FOR ROUTING SECURITY IN MOBILE AD-HOC NETWORKS**



*Given under the Seal of the University*

Chennai 600 025  
India  
December 2008

*Controller of Examinations*

*Registrar*

*Vice-Chancellor*





UNIVERSITÀ  
di CAMERINO

**Reg. certificati**

**n. 2278**

This is to certify that Dr. **RAFIK RAJJAK SHAIKH** , born in Nanded (Maharashtra State India) on 10<sup>th</sup> August 1984, attended a three-year doctoral course in " Chemical Sciences " (XXII cycle) at the International School of Advanced Studies of the University of Camerino.

Dr. **RAFIK RAJJAK SHAIKH** has obtained the title of "Dottore di ricerca" (Research doctorate degree or Ph.D.) in "Chemical Sciences" on 19<sup>th</sup> February 2010.

Camerino, 25<sup>th</sup> February 2010

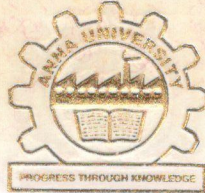
**The Officer in charge**  
**(Dr. Alessandra Zampetti)**



**The Director**  
**(Dr. Giulio Bolzonetti)**



# Anna University Chennai



Reg. No.:2002719736/RG

The Syndicate of the Anna University Chennai hereby makes known that **RAJA MOHAMED I** 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 **2008**.

*Title of the thesis:*

**BIFURCATION, STOCHASTIC RESONANCE, COMPUTATION AND COMMUNICATION ASPECTS OF CERTAIN CHAOTIC CIRCUITS AND SYSTEMS**

Given under the Seal of the University



Chennai 600 025  
India  
December 2008

Controller of Examinations

Registrar

Vice-Chancellor





*Faculty of Electrical Engineering*

*The Syndicate of the Anna University hereby makes known that RAJA PRABU R has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY having been certified by duly appointed examiners to be qualified to receive the same in the year 2006.*

*Title of the thesis:*

**INSULATION CHARACTERISTICS OF SILICONE AND EPDM POLYMERIC BLENDS FOR HIGH VOLTAGE APPLICATIONS**

*Given under the Seal of the University*



Chennai 600 025  
India  
November 2006

*K. Jayaraman*  
Registrar

*Alhambra*  
Vice-Chancellor



Sl.No. 037574

Reg. No. 131412836



The Board of Management and the Academic Council of

this University hereby make known that

*RAMACHANDRAN.A*

has been admitted to the Degree of

*DOCTOR OF PHILOSOPHY IN COMPUTER SCIENCE AND ENGINEERING*

having completed all the Academic requirements and having been certified by duly appointed Examiners to be qualified to receive the same with *COMMENDED*.

in the Examination conducted during *FEBRUARY 2018*



Thanjavur  
Tamil Nadu India

Given under the seal of the University

*S. Velumy*  
Registrar

*N. Arumugam*  
Vice-Chancellor





2014

ஆம் ஆண்டில் சென்னைப் பல்கலைக்கழகத்தில் ஆய்வு நிகழ்த்தி

வழங்கிய ஆய்வேட்டுக்காக முனைவர் பட்டம் பெறத் தகுதியுடையவர் என்று தக்க  
தேர்வாளர்களால் சான்றளிக்கப்பட்டு ரமேஷ் ராவ் து ரா

என்பவருக்கு முனைவர் பட்டம் அளிக்கப்படுகிறது என்று சென்னைப் பல்கலைக்கழகப் பேரவை  
அறிவிக்கிறது.

சென்னைப் பல்கலைக்கழக இலச்சினையுடன், சென்னையில் 2015 ஆம் ஆண்டு  
மார்ச் திங்கள் 26 ஆம் நாள் அளிக்கப்பட்டது.

*The Senate of the University of Madras hereby makes known that  
Ramesh Rao T R has been conferred the*

## DEGREE OF DOCTOR OF PHILOSOPHY

*he/she having been certified by duly appointed examiners to be qualified to  
receive the same in the year 2014*

*Given under the seal of the University of Madras, at Chennai this  
26<sup>th</sup> day of March 2015*

*Title of the Thesis* : "Examination of Critical Factors in the Application of Lot  
Quality Assurance Sampling for Assessing Disease Control  
ஆய்வுத் தலைப்பு : Programmes" (Mathematics - Biostatistics) Inter-Disciplinary

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

  
பதிவாளர்  
Registrar



  
துணை வேந்தர்  
Vice-Chancellor





கலையியல் புலம்  
FACULTY OF ARTS

2011

ஆம் ஆண்டில் சென்னைப் பல்கலைக்கழகத்தில் ஆய்வு நிகழ்த்தி

வழங்கிய ஆய்வேட்டுக்காக முனைவர் பட்டம் பெறத் தகுதியுடையவர் என்று தக்க  
தேர்வாளர்களால் சான்றளிக்கப்பட்டு ராதிகா மேகநாதன்

என்பவருக்கு முனைவர் பட்டம் அளிக்கப்படுகிறது என்று சென்னைப் பல்கலைக்கழகப் பேரவை  
அறிவிக்கிறது.

சென்னைப் பல்கலைக்கழக இலச்சினையுடன், சென்னையில் 2011 ஆம் ஆண்டு  
நவம்பர் திங்கள் 4 ஆம் நாள் அளிக்கப்பட்டது.

*The Senate of the University of Madras hereby makes known that*  
RATHIKA MEGANATHAN *has been conferred the*

**DEGREE OF DOCTOR OF PHILOSOPHY**

*he/she having been certified by duly appointed examiners to be qualified to*  
*receive the same in the year 2011*

*Given under the seal of the University of Madras, at Chennai this*  
*4<sup>th</sup> day of November 2011*

*Title of the Thesis* : “ஜெயகாந்தன் நாவல்களில் ஆண் மாந்தர்கள்” (தமிழ்  
ஆய்வுத் தலைப்பு : இலக்கிய இயல்)



  
பதிவாளர்  
Registrar



  
ஆணை வேந்தர்  
Vice-Chancellor



क्रमांक  
S.No. 2016 4430



नामांकन क्रमांक  
Enrollment No. : PU11-9390

## पेसिफिक उच्चतर शिक्षा और अनुसंधान अकादमी विश्वविद्यालय, उदयपुर

यह प्रमाणित किया जाता है कि

**एस. एम. शाहीदा**

द्वारा विश्वविद्यालय के सम्बन्धित विनियमनों में विहित अपेक्षाओं को सफलतापूर्वक पूर्ण  
कर लेने पर विश्वविद्यालय के प्रबन्ध मण्डल की अनुशंसा पर इन्हें

### फार्मैसी संकाय

के फार्मैसी विभाग में

### विद्या-वाचस्पति

की उपाधि वर्ष 2016 में प्रदान की गयी है।

इनके शोध का विषय 'पारंपरिक भारतीय जड़ी-बूटियों के औषधीय  
और पादप रसायन का तुलनात्मक अध्ययन' रहा है।

**Pacific Academy of Higher Education and Research  
University, Udaipur**

This is to certify that on the recommendation of  
the Board of Management of the University

**S. M. SHAHEEDHA**

has been conferred the degree of

### Doctor of Philosophy

in the Department of Pharmacy

in the year 2016 in the

### Faculty of Pharmacy

on successful fulfilment of the requirements prescribed  
under the relevant regulations of the University.

The topic of research was 'Comparative Phytochemical  
and Pharmacological study of Traditional Indian Herb'.

निर्गमन दिनांक:  
06 जून, 2017

Date of Issue:  
06 June, 2017



*[Signature]*

प्रेसिडेन्ट  
President



**NORTH ORISSA UNIVERSITY**



**ଉତ୍ତର ଓଡ଼ିଶା ବିଶ୍ୱବିଦ୍ୟାଳୟ**

Sl. No. : 13

**DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph.D.)**

**ବିଭୂଷଣ ଉପାଧି ପତ୍ର**

*This is to certify that*

**NOOR AMAN AHRAR MUNDARI**

*who passed the examination for the degree of*

**DOCTOR OF PHILOSOPHY**

*in.....* **CHEMISTRY** *held in the*  
*month of.....* **DECEMBER, 2012**, *was this day*  
*admitted to the Degree.*

୨୦୧୨ ..... ମସିହା..... ତିସେମ୍ବର ..... ମାସରେ ଅନୁଷ୍ଠିତ  
..... ବିଜ୍ଞାନ ..... ବିଭୂଷଣ  
ଉପାଧି ପରୀକ୍ଷାରେ..... ରସାୟନ ବିଜ୍ଞାନ ..... ରେ ଉତ୍ତୀର୍ଣ୍ଣ  
..... ହେଉ ଅମଳ ଅହରର ମୁହାଁରା ..... ହେ

ଅବ୍ୟ ବହି ଉପାଧି ପ୍ରଦାନ ହେଲା ।

**NORTH ORISSA UNIVERSITY**  
**SRIRAM CHANDRA VIHAR, BARIPADA**

The 1st February, 2014

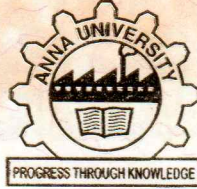
  
**VICE-CHANCELLOR**

ଉତ୍ତର ଓଡ଼ିଶା ବିଶ୍ୱବିଦ୍ୟାଳୟ  
ଶ୍ରୀରାମ ଚନ୍ଦ୍ର ବିହାର, ବାରିପଦା  
ତା ୧ ଫେବୃଆରୀ, ୨୦୧୪

ସଂସମିତ୍ର ମହାନ୍ତି  
ହୁକମତି



# Anna University



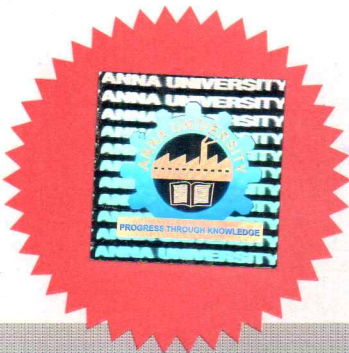
Reg.No. 2007239117/RG

*The Syndicate of the Anna University hereby makes known that*  
**JEYAKUMAR P D** *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:*

**FRONTAL IMPACT ANALYSIS AND IMPROVEMENT ON A CHASSIS MOUNTED BUS BODY STRUCTURE**

*Given under the Seal of the University*







PHDMS06P300



புலம்

மேலாண்மையியல்.....

FACULTY OF

MANAGEMENT STUDIES



அன்னை தெரசா மகளிர் பல்கலைக்கழக ஆட்சிக்குழு  
ச. பண்பொளி

முனைவர் பட்டம்

பெறுவதற்கு தகுதியுடையவர் என முறையாக அமைக்கப்பெற்ற தேர்வினோர்  
ஏப்ரல் 2015 இல் நடத்திய தேர்வுகளில் சான்றளித்தபடி அன்னவர் தேர்வுபெற்று  
இந்த பட்டப்பேற்றுக்கு உரியவர் ஆகின்றார் என்று இதன்வழி அறிவித்துக்கொள்கின்றது.

பல்கலைக்கழக முத்திரையுடன் பெறுகின்றது

The Executive Council of the **MOTHER TERESA WOMEN'S UNIVERSITY**

hereby makes known that..... **S. PANBOLI**

has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY**, she having been  
certified by duly appointed Examiners to be qualified to receive the same at the Examination held in  
**APRIL 2015**

Given under the seal of the University



*Dharmaraj*

*M. Kala*

*[Signature]*

கொடைக்கானல்

Kodaikanal

நாள் Dated : 13.02.2016

தேர்வணைவர்  
Controller of Examinations

பதிவாளர்  
Registrar

கூட்டுநர்  
Convener  
துணைவேந்தர்  
Vice-Chancellor





அறிவியல் புலம்  
FACULTY OF SCIENCE.....

2009 ஆம் ஆண்டில் சென்னைப் பல்கலைக்கழகத்தில் ஆய்வு நிகழ்த்தி  
வழங்கிய ஆய்வேட்டுக்காக முனைவர் பட்டம் பெறத் தகுதியுடையவர் என்று தக்க  
தேர்வாளர்களால் சான்றளிக்கப்பட்டு பன்னீர்செல்வம் ப  
என்பவருக்கு முனைவர் பட்டம் அளிக்கப்படுகிறது என்று சென்னைப் பல்கலைக்கழகப் பேரவை  
அறிவிக்கிறது.

சென்னைப் பல்கலைக்கழக இலச்சினையுடன், சென்னையில் 2009 ஆம் ஆண்டு  
ஜனவரி திங்கள் 19 ஆம் நாள் அளிக்கப்பட்டது.

*The Senate of the University of Madras hereby makes known that*  
**PANNEERSELVAM P** *has been conferred the*

**DEGREE OF DOCTOR OF PHILOSOPHY**

*he/she having been certified by duly appointed examiners to be qualified to*  
*receive the same in the year 2009 .*

*Given under the seal of the University of Madras, at Chennai this*  
*19<sup>th</sup> day of January 2009 .*

*Title of the Thesis :* "Organizational Climate of Engineering College  
Libraries in Tamil Nadu" (Library and Information  
Science)

ஆய்வுத் தலைப்பு :



*[Signature]*  
பதிவாளர்  
Registrar

*[Signature]*  
துணை வேந்தர்  
Vice-Chancellor





பாரதியார் பல்கலைக் கழகம்  
Bharathiar University

சமூக அறிவியல் புலம்

FACULTY OF SOCIAL SCIENCES

பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு.  
பட்டாபி ராமன் த, 2016 ஆம் ஆண்டு, டிசம்பர் 28 ஆம் நாளில் தூலகம் மற்றும் தகவல்  
அறிவியல் என்னும் பிரிவில் ஆய்வியல் அறிஞர் என்னும்  
பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றளித்ததை ஏற்று, அவருக்கு அந்தப் பட்டத்தைப்  
பல்கலைக் கழக இலச்சியையுடன், பாரதியார் பல்கலைக் கழக ஆட்சிக் குழு வழங்குகின்றது.  
The Syndicate of the Bharathiar University hereby makes known that PATTABHI RAMAN T  
has been admitted to the Degree of DOCTOR OF PHILOSOPHY in LIBRARY & INFORMATION  
SCIENCE, having been certified by duly appointed  
Examiners to be qualified to receive the same in 28th DECEMBER 2016.

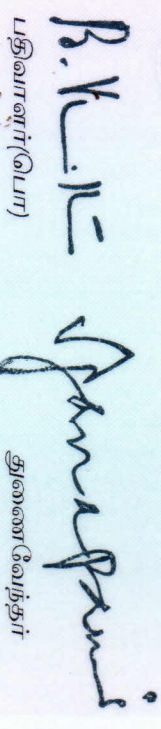
Under external part time mode  
Given under the Seal of the University.



கோயம்புத்தூர்  
Coimbatore  
agerR10102  
நாளர்

  
தேர்வாளர்

Controller of Examinations

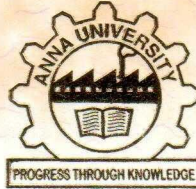
  
பதிவாளர்(பொ)  
துணைவேந்தர்  
Vice-Chancellor

Registrar (I/c)

Dated: 7th February 2017  
ISSUED ON - 4 MAY 2017



# Anna University



Reg.No. 2712499742/RG

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

*Title of the Thesis:*

**COVERAGE BASED TEST CASE PRIORITIZATION FOR REGRESSION TESTING**

*Given under the Seal of the University*

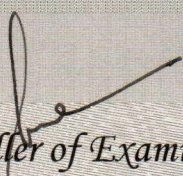


Chennai 600 025

India

January 2016

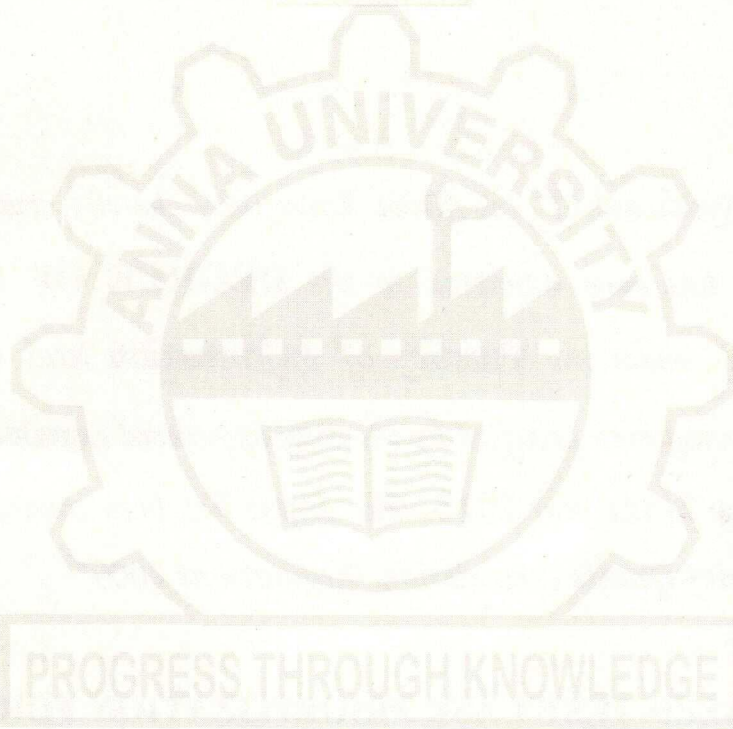
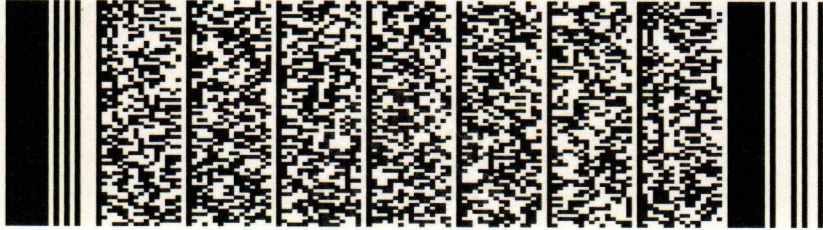
MA1001124

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor





Sl. No. **614488**

Read by	<i>Dr. S. Khas</i>
Verified by	<i>Seal</i>



NITD/PhD/MME/2011/00309



DPHD/11TH/0001

**NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR**  
**West Bengal, India**



The Board of Governors of the Institute upon the  
recommendation of the Senate hereby confers the  
degree of

**Doctor of Philosophy**

**Department of METALLURGICAL & MATERIALS ENGINEERING**

*On*

**R. KARUNANITHI**

*who submitted a thesis entitled*

**Synthesis and Characterization of TiO<sub>2</sub> Dispersed Al 7075  
Alloy Composite**

and successfully completed the requirement as  
prescribed under regulation on 12.02.2015

*A. Saha*

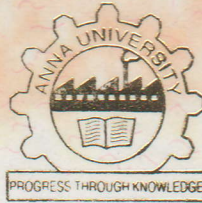
Chairman  
Senate

*A. Bhattacharya*

Chairman  
Board of Governors



# Anna University



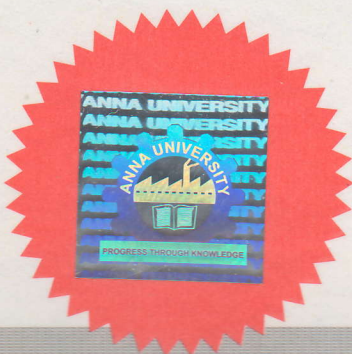
Reg.No. 2824119703/RG

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

*Title of the Thesis:*

**BEHAVIOUR OF CONCRETE-FILLED STEEL COLUMNS SUBJECTED TO LATERAL CYCLIC LOADING**

*Given under the Seal of the University*



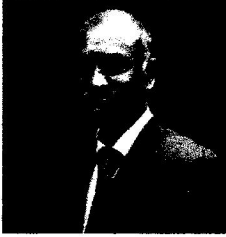


SL. No.: A 011413

**B.S.ABDUR RAHMAN**  
Institute of Science & Technology  
(A Muslim Minority Institution)  
Deemed to be University  
Estd. u/s.3 of the UGC Act, 1956  
Accredited by NAAC with "A" Grade



Reg. No. : 1087202



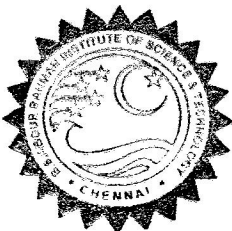
*By the authority of the Board of Management  
and upon the recommendation of  
School of Computer, Information and Mathematical Sciences*

*B. S. Abdur Rahman Institute of Science & Technology  
confers upon*

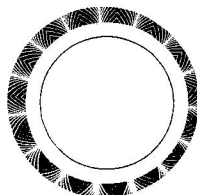
*Gnanasekaran. P*

*the degree of Doctor of Philosophy in  
Information Technology  
with all its rights, privileges and honours  
for successfully completing the prescribed programme of study and  
presenting the thesis entitled  
"Relative Stability Based Routing Protocol for  
Mobile Ad-hoc Network"  
in October 2018.*

*Given under the seal of the Institute,  
this Sixteenth day of December, Two Thousand and Eighteen.*



Registrar



Vice Chancellor

Date: 16/12/2018



**BABASAHEB BHIMRAO AMBEDKAR UNIVERSITY, LUCKNOW**  
(A Central University)

BABASAHEB  
BHIMRAO  
AMBEDKAR  
UNIVERSITY



प्रज्ञा नीति कठण  
ESTABLISHED 1996

*This is to certify that*  
MR. GUFAN AHMAD ANSARI

*has been admitted to the degree of*

**Doctor of Philosophy**

*after submitting the thesis entitled*  
UML Based Modeling on Domain Driven Software  
Architecture System.

*in the Department of Computer Science*  
*School for Information Science & Technology*

*and successfully completing all the requirements*  
*in the year 2009.....*

*Given under the Seal of the University*



Registrar *Singh*

Dated the 18-08-2011

*R. Hail*  
Vice Chancellor

Dated the 18-08-2011



By the authority of the Board of Governors of the  
**BIRLA INSTITUTE OF TECHNOLOGY**

*and upon recommendation of the Technical Council*

**GULSAZ SHAMIM**

---

*has been admitted to the Degree of*

**DOCTOR OF PHILOSOPHY (Science)**

*and is entitled to all rights and honours thereto appertaining.*

*Witness the seal of the Institute and the signatures of its Officers*

*this twenty sixth day of November, two thousand fourteen.*



a deemed University U.S. 3 of U.G.C. Act, 1956  
Mesra, Ranchi (INDIA)

*M. M. H.*  
Vice Chancellor

*[Signature]*  
Registrar

*C. K. Birla*  
Chairman

Board of Governors



20070092



# Jadavpur University

*Certified that*

**Sri K. F. Haja Nazeer Ahamed**

*was admitted to the Degree of Doctor of Philosophy in Pharmacy of this University on 03/10/2007 and that the degree was conferred on him / her at the Convocation held in December 2007 with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signatures of the Chancellor and the Vice-Chancellor of Jadavpur University are herunto affixed.*

*P. N. Ghosh*

Vice-Chancellor  
The 24th December, 2007



*[Signature]*  
Chancellor



अनुक्रमांक / Enrol No : 09SEPH08



# हैदराबाद विश्वविद्यालय University of Hyderabad

प्रमाणित किया जाता है कि

मुहम्मद जमशीर टी.पी.

को

अर्थशास्त्र में अर्थशास्त्र

संकाय में शोध प्रबंध प्रस्तुत करने एवं सभी अपेक्षाओं को सफलतापूर्वक पूर्ण करने पर

सन् 2017 में

**डॉक्टर ऑफ़ फ़िलासोफी**

की उपाधि प्रदान की गयी है



*This is to certify that*

**MUHAMMED JAMSHEER T P**

*having pursued research in **Economics***

*at the*

**School of Economics**

*and having submitted a thesis and successfully completed all the requirements has been admitted to the degree of*

**Doctor of Philosophy**

*in the year 2017*

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

कुल सचिव  
Registrar

कुलपति  
Vice-Chancellor

हैदराबाद / Hyderabad, दिनांक / Dated **01 OCT 2018**





हैदराबाद विश्वविद्यालय  
University of Hyderabad

(A Central University established by an Act of Parliament)

**Title Sheet of Dissertation / Thesis**

Enrolment No. : 09SEPH08

Name of the Scholar : MUHAMMED JAMSHEER T P

Course of Study : Ph.D.  
Economics

Title of Dissertation/Thesis : Agrarian Structure and Migrants; An Investigation in two Villages

Name/s of the Supervisor/s : Prof. R. Vijay

Department/Centre/School : School of Economics

Dated 01 OCT 2018

Prepared by

Checked by

Controller of Examinations



No. 52878

# PATNA UNIVERSITY



This is to certify that

*Afzalus Rahman*

who passed the Examination

for the degree of

**Doctor of Philosophy in *Commexce***

held in the month of

*August 2011*

was this day admitted

to the degree





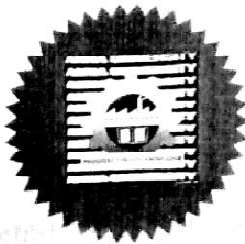
Reg.No. 20084022001/RG

The Syndicate of the Anna University hereby makes known that AISHA BANU W 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:

AN ADAPTIVE FRAMEWORK FOR EFFECTIVE INFORMATION RETRIEVAL

Given under the Seal of the University



Chennai 600 025
India
March 2013

[Signature]
Controller of Examinations

[Signature]
Registrar

[Signature]
Vice-Chancellor



The Trustees  
of  
The University of Tennessee

on the recommendation of the Faculty have conferred on

Ashoke Ghosh

the degree of

Doctor of Philosophy

with all the Rights Privileges and Honors thereunto appertaining  
In witness whereof this diploma is granted and the Seal of the  
University and the signatures of the President of the University and the  
Secretary of the Board of Trustees are herewith affixed.

Given at Knoxville in the State of Tennessee this tenth day of December  
in the year of our Lord nineteen hundred and eighty-four  
and of the University the one hundred and ninety-first.



Benton E. Boggs  
Secretary of the Board of Trustees

Edward Soling  
President of The University of Tennessee





அறிவியல் புலம்  
FACULTY OF SCIENCE

2011

ஆம் ஆண்டில் சென்னைப் பல்கலைக்கழகத்தில் ஆய்வு நிகழ்த்தி

வழங்கிய ஆய்வேட்டுக்காக முனைவர் பட்டம் பெறத் தகுதியுடையவர் என்று தக்க  
தேர்வாளர்களால் சான்றளிக்கப்பட்டு அசோக் குமார் பா

என்பவருக்கு முனைவர் பட்டம் அளிக்கப்படுகிறது என்று சென்னைப் பல்கலைக்கழகப் பேரவை  
அறிவிக்கிறது.

சென்னைப் பல்கலைக்கழக இலச்சினையுடன், சென்னையில் 2011 ஆம் ஆண்டு  
நவம்பர் திங்கள் 4 ஆம் நாள் அளிக்கப்பட்டது.

*The Senate of the University of Madras hereby makes known that*  
ASHOK KUMAR P *has been conferred the*

**DEGREE OF DOCTOR OF PHILOSOPHY**

*he/she having been certified by duly appointed examiners to be qualified to*  
*receive the same in the year* 2011 *.*

*Given under the seal of the University of Madras, at Chennai this*  
4<sup>th</sup> *day of* November 2011 *.*

*Title of the Thesis* : "Elucidation of the role of Luteolin against  
ஆய்வுத் தலைப்பு : Azoxymethane-induced colon carcinogenesis-in vivo  
and in vitro: Involvement of Wnt/ $\beta$ -Catenin  
signaling" (Bio-Chemistry)



  
பதிவாளர்  
Registrar



  
துணை வேந்தர்  
Vice-Chancellor





UNIVERSITY OF ELECTRONIC  
SCIENCE AND TECHNOLOGY OF CHINA

The Degree Awarding Committee, in accordance with "The Regulations Concerning Academic Degrees in the People's Republic of China", has conferred upon

**Khan Asif**

the degree of

DOCTOR OF Engineering

In Computer Science and Technology

With all its rights, privileges and honors

given at **Chengdu**, China, on the **23rd**

day of **June**,

in the year of **2016**

**李言荣**

president

**李言荣**

Chair, Degree Awarding Committee

No.

**1061422016000104**



Seen in the Embassy

E-002/2017

03.01.2017



Pr

Prakash Swaroop  
Asstt. Consular Officer  
Embassy Of India  
Beijing





வணிகவியல் புலம்  
.....  
**FACULTY OF COMMERCE**  
.....

2005 ஆம் ஆண்டில் சென்னைப் பல்கலைக்கழகத்தில் ஆய்வு நிகழ்த்தி வழங்கிய ஆய்வேட்டுக்காக முனைவர் பட்டம் பெறத் தகுதியுடையவர் என்று தக்க தேர்வாளர்களால் சான்றளிக்கப்பட்டு ஆயுப் கான் தாவுத் தா என்பவருக்கு முனைவர் பட்டம் அளிக்கப்படுகிறது என்று சென்னைப் பல்கலைக்கழகப் பேரவை அறிவிக்கிறது.

சென்னைப் பல்கலைக்கழக இலச்சினையுடன், சென்னையில் 2005 ஆம் ஆண்டு நவம்பர் 30 திங்கள் 30 ஆம் நாள் அளிக்கப்பட்டது.

*The Senate of the University of Madras hereby makes known that*  
**AYUB KHAN DAWOOD D** *has been conferred the*

**DEGREE OF DOCTOR OF PHILOSOPHY**

*he/she having been certified by duly appointed examiners to be qualified to receive the same in the year* 2005 *.*

*Given under the seal of the University of Madras, at Chennai this*  
30<sup>th</sup> *day of* November 2005 *.*

*Title of the Thesis :* "Entrepreneurial Performance in Small Scale Industrial Units in the Post-Globalisation Era"  
ஆய்வுத் தலைப்பு : (Commerce)



  
பதிவாளர்  
Registrar



  
துணை வேந்தர்  
Vice-Chancellor









Sl. No. 614264

Read by	<i>D. S. Khan</i>
Verified by	<i>R. Iqbal</i>





TOKYO INSTITUTE  
OF  
TECHNOLOGY

GRADUATION CERTIFICATE

No. 0393040

Date September 30, 2003

THIS IS TO CERTIFY THAT  
BERNADETTA KWINTIANA ANE

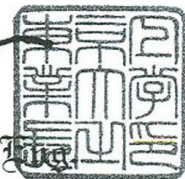
*a national of Indonesia with date of birth as June 6,  
1973 pursued the prescribed course of Industrial  
Engineering and Management at the Tokyo Institute of  
Technology, and is awarded the Degree of DOCTOR of  
PHILOSOPHY*



Masuo Aizawa D.Eng.

President

TOKYO INSTITUTE OF TECHNOLOGY



*This is a certified transcript of the authentic diploma in Japanese.*







# Indian Institute of Technology Madras

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

*on*

**S BHAGAVATHY**

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

**SYNTHETIC STUDIES ON GLYCALS (PART A) AND 2-  
AZETIDINONES (PART B)**

*Given this day the Ninth of August, 2003  
under the seal of the Institute.*



*Usha Titus  
Registrar*

*M. S. Subramanian  
Director*

*[Signature]  
Chairman, Board of Governors*



# Gandhigram Rural University

(Established under Section 3 of the UGC Act, 1956  
vide notification No.F.9-1/76.U.3 dated 3<sup>rd</sup> August, 1976  
of the Govt. of India)

The Syndicate of  
Gandhigram Rural University  
hereby confers the Degree of  
Doctor of Philosophy

on

*P. Devi*

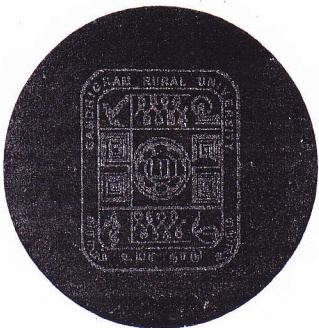
for successfully completing the prescribed programme  
of study and presenting the thesis entitled

*"Sexual and Reproductive Health Behaviour of*

*Adolescent Mothers in Rural Tamilnadu"*

Given this day the ~~Eighteenth~~ of *July* 2009.....

*under the seal of the University*



Gandhigram

Tamilnadu

Dated : 18 JUL 2009

*Ashishah*  
Registrar

*M. Karabalu*  
Vice-Chancellor