

### Indian Institute of Technology, Madras

hereby confers the degree of

Doctor of Philosophy

of the Institute

#### V S BHAGAVANULU DURBHA

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

AN EXPERIMENTAL INVESTIGATION OF THREE-DIMENSIONAL WALL JET ON CONVEX CYLINDRICAL SURFACES

Given this day the Twentysixth of July, 1996 under the seal of the Institute.

D & Roundber Registrar Director Chairman Board of Governors

ou 400472

## Osmania University





Faculty of Science



This is to certify that Venkala Subba Reddy M

son / daughter of Venkala Reddy M

having pursued a course of study prescribed by this University and having passed the requirements by Examination and by thesis has been admitted to the Degree of

#### Doctor Of Philosophy

in the Subject of Geology

The title of the Thesis is:

Integrated studies of Hydrogeological Investigations and Remote

Sensing Techniques in Badaballa Vanka Basin, Chittoor District, Andhra Pradesh.

The candidate has been declared qualified for the award of the Degree of Ph.D. on 13 Sep 2010

CN051300003

Hyderabad

Buted F7 7 MAY 2013

Hice-Chancellor

## Pational Institute of Technology Karnataka, Surathkal MANGALORE - 575 025, KARNATAKA STATE, INDIA.

#### Provisional Degree Certificate

for the degree of

#### Doctor of Philosophy

Certified that Mr. Sreenivasulu D (Reg. 090706AM09F02) in the Department of Applied Mechanics & Hydraulics has successfully completed all prescribed requirements for the degree of Doctor Of Philosophy (Ph.D.) of the Institute.

The date of viva voce examination was February 18, 2013.

The title of the thesis submitted is "GroundWater Level

Forecasting Using Radial Basis Function And Generalized

Regression Neural Networks".

This certificate is issued this day, the March 8, 2013 with the approval of the authorities.



DEAN (Academic)

Dr. Suman David S.

Dean (Academic)

National Institute of Technology Karnataka, Surathkal
Srinivasnagar-575025, Karnataka, India



ఫాకల్టీ ఆఫ్ ఇంజిసీరింగ్ Haculty of Angineering

పర్ల పల్లి రమేష్

పి చిన్నసుబ్బ రెడ్డి గారి కుమారుడు కు

ఈ పిశ్వపిద్యాలయం నుండి క్రింద సూచించిన పిధంగా అతను పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్హత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత హొందినట్లు ధృవీకరించడమైంది.

This is to certify that

Parla Palli Ramesh

Son of P Chinnasubba Reddy has been admitted to the Degree of

Doctor of Philosophy

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

DEPARTMENT OF STUDY: CIVIL ENGINEERING

SUBJECT OF THE THESIS :"Modification of Geotechnical Properties of an expansive Clay through Inorganic Chemicals"

YEAR: 2013

విశ్వపిద్యాలయ అధికార ముద్ర తో జారీ చేయడమైంది. Given under the Seal of the University

ම්රා්නම් / Tirupati ම්ඨ / Date :

7 JUL 2013



ఉపకులపతి Vice – Chancellor Regn. No.: SP11CEDA118



St. PETER'S INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared under Section 3 of the UGC Act, 1956)



The Board of Management of the
St. Peter's University hereby makes known that

#### **HEMADRI PRASAD RAJU**

has been admitted to the Degree of

#### **DOCTOR OF PHILOSOPHY**

in

#### **CIVIL ENGINEERING**

he having been certified by duly appointed examiners
to be qualified to receive the same
at the VIVA-VOCE examination held in JULY 2015.



Date: 07-10-2015

Avadi, Chennai-600 054 Tamilnadu, India



Given under the seal of the University

Yal K. -Registrar S. Kr. Charlessor

#### JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

HYDERABAD - 500 085, TELANGANA STATE, INDIA

TS 703348







410525CE/PH

Mr. O Eswara Reddy Slo. O Vema Reddy

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

> Doctor Of Philosophy Livil Engineering

Topic: "Pallout Response of Granular Pile Anchors".

Given under the Seal of the University

Date: 21-04-2017

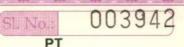




ICE CHANCELLOR









#### శ్రీ వేంకటేశ్వర విశ్వవిద్యాలయం

ఫాకల్టీ ఆఫ్ ఇంజినీరింగ్ Haculty of Engineering

టి నాగేశ్వర ప్రసాద్

టి ప్రభాకర్ నాయుడు గారి కుమారుడు కు ఈ విశ్వవిద్యాలయం నుండి క్రింద సూచించిన విధంగా అతను పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్హత పొందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత హొందినట్లు ధృవీకరించడమైంది.

This is to certify that

T Nageswara Prasad

Son of T Prabhakar Naidu has been admitted to the Degree of

Doctor of Philosophy

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

**ELECTRICAL & ELECTRONICS ENGINEERING** DEPARTMENT OF STUDY :

SUBJECT OF THE THESIS: "Studies on Methods of Integration of Wind Farm to Electrical Distribution Systems"

YEAR: 2014

విశ్వవిద్యాలయ ఆధికార ముద్రతో జారీ చేయడమైంది. he University Siven under the Sect

ම්රාන්ම් / Tirupati 9 JAN 2014 ತೆದಿ / Date :

ఉపకులపతి

#### JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

KAKINADA - 533 003, ANDHRA PRADESH, INDIA

College University College of Engineering JNTU Kakinada

Hall Ticket No0603PH0747



SI. No. K 00151580 PC. No.



#### PROVISIONAL CERTIFICATE

This is to certify that Mr/Mrs. P UMAPATHI REDDY
son/daughter of Shri. P VASUDEVA REDDY
has satisfied all the requirements for the award of <u>Doctor of Philosophy</u>
in the faculty of <u>ELECTRICAL AND ELECTRONICS ENGINEERING</u> for
the Thesis entitled "Certain Loss Minimization Techniques of Unbalanced
Radial Distribution Systems Using Particle Swarm Optimization".

Date

18-07-2013

**Controller of Examinations** 

Director of Evaluation

Registrar

CC076012

# CO76012 NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR. MANTAPUR.





**ANANTHAPURAMU - 515 002, ANDHRA PRADESH, INDIA** 

H.T.No: 0603PH0912

Sujatha M S

D/o Sanjeevappa MD

having fulfilled the academic requirements in October, 2014 has this day been admitted by the Monitoring & Development Committee to the Degree of

> Doctor of Philosophy (Energy Systems)

for the Thesis entitled, "KEY PERFOMANCE INDICATORS FOR ENERGY MANAGEMENT"

Wednesday, 24 December, 2014.

Given under the Seal of the University

Director of Evaluation

O04693

#### **శ్రీ వేంకటేశ్వర చిశ్వవిద్యాలయం**

సాకట్టీ ఆవ్ ఇంజినీరింగ్ Haculty of Angineering

కుమార్ యన్ యమ్ జి

మునిరత్నం శెట్టి యన్ గారి కుమారుడు కు ఈ విశ్వవిద్యాలయం నుండి క్రింద సూచించిన విధంగా అతను పట్<mark>టాకు</mark> నిర్దేశించిన పరీక్షలో ఉత్తీర్హత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత హిందినట్లు ధృవీకరించడమైంది.

This is to certify that

Kumar NM G X

Son of Municathnam Chetty N has been admitted to the Degree of

#### Doctor of Philosophy

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

DEPARTMENT OF STUDY: ELECTRICAL & ELECTRONICS ENGINEERING

SUBJECT OF THE THESIS :"Studies on Reliability Evaluation of Electrical
Transmission Systems"

YEAR: 2014

విశ్వపిద్యాలయ అధికార ముద్ర లో జారీ చేయడమైంది. Siven under the Seal of the University

తిరుపతి / Tirupati తేది I Date . 0 ఏ FEB 2015

III WAN II WALLEY

ఉపకులపతి Vice – Chancellor



శ్రీ వేంకటేశ్వర చిశ్వవిద్యాలయం

ఫాకల్టీ ఆఫ్ ఇంజిసీరింగ్ Haculty of Engineering

హేమ చంద్ర సద్యన

నీలకంట రెడ్డి యస్ గారి కుమారుడు కు ఈ విశ్వపిద్యాలయం నుండి క్రింద సూచించిన విధంగా అతను పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్ణత పొందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత హొందినట్లు ధృవీకరించడమైంది.

This is to certify that

Hema Chandra Sadguna

Son of Neelakanta Reddy 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 at the Examinations prescribed therefor as hereunder:

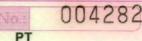
DEPARTMENT OF STUDY: ELECTRICAL AND ELECTRONICS ENGINEERING

SUBJECT OF THE THESIS: "Intelligent Techniques for Electrical Load Forecasting-Ann and Neuro-Fuzzy YEAR: 2016 Approaches"

> విశ్వవిద్యాలయ అధికార ముద్రతో జారీ చేయడమైంది. Siven under the Sec of the University

తిరుపతి / Tirupati

ತೆದೆ / Date: 30th, June, 2018.



ಕ್ರೆ ವೆಂಕಪೆಸ್ಯರ ಏಕ್ಯವಿದ್ಯಾಲಯಂ

ఫాకల్టీ ఆవ్ ఇంజిసీరింగ్ Maculty of Angineering

యన్ పరూక్

యస్ ఎ సలీం గారి కుమారుడు కు

ఈ పిశ్వపిద్యాలయం నుండి క్రింద సూచించిన పిధంగా అతను పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్హత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత హొందినట్లు ధృవీకరించడమైంది.

This is to certify that 9 Farook

Son of S A Saleem has been admitted to the Degree of

Doctor of Philosophy

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

DEPARTMENT OF STUDY: ELECTRICAL & ELECTRONICS ENGINEERING

SUBJECT OF THE THESIS: "Feasibility Analysis of AGC Controllers in

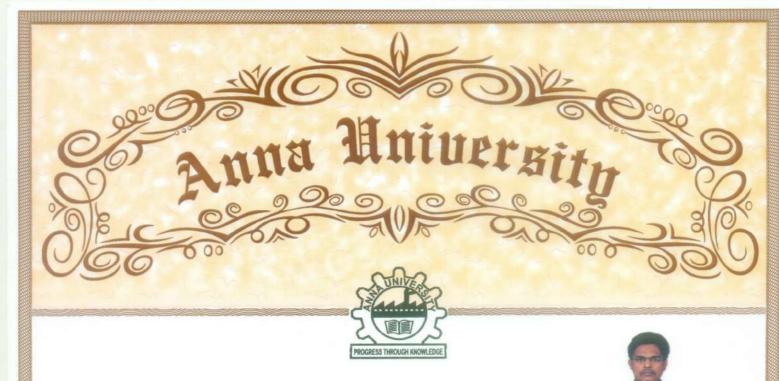
Deregulated Power Systems using YEAR: 2014 **Evolutionary Algorithms**"

> ತಿಕ್ಕತಿದ್ದಾಲಯ ಅಧಿಕಾರ ಮುದ್ರತ್ ಹಾರಿ ವೆಯಡ್ಡಮಂದಿ. the University T. Myund Given under the Sea

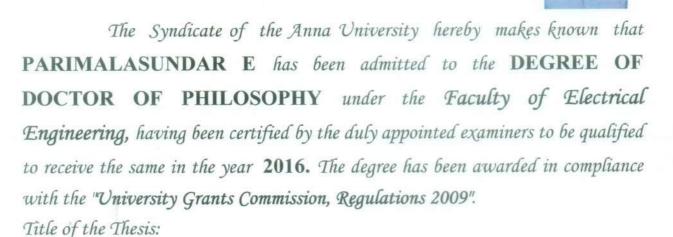
తిరుపతి / Tirupati

'2 6 JUN 2014 ම්ඨ 1 Date :

ఉపక్కులపతి Vice - Chancellor



Reg.No. 11120431018/RG



DEVELOPMENT OF DIAGNOSTIC TECHNIQUES FOR OPEN-SWITCH AND SHORT-SWITCH FAILURE OF CASCADED MULTILEVEL INVERTERS

Given under the Seal of the University



Chennai 600 025 India

May 2017

Controller of Examinations



Chairman, Convener Committee
Vice-Chancellor

Reg. No: 2009793105

## SATHYABAMA UNIVERSITY (Established under section 3 of UGC Act, 1956)

#### சத்யபாமா பல்கலைக்கழகம்

(பல்<mark>கலைக்கழக மானியக்</mark> குழு பிரிவு 3, சட்டம் 1956ன் கீழ் நிறுவப்பட்டது)

#### FACULTY OF ELECTRONICS ENGINEERING



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

HARI KRISHNAN. G

has been conferred

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

examiners to be qualified to receive the same in

OCTOBER 2015

for the thesis entitled

#### ALTERNATIVE APPROACH FOR DIAGNOSIS OF ARTHRITIS

given under the seal of the university, at chennai this

Registrar

SIXTEENTH

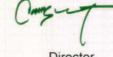
day of

September 2016

Given under the seal of the University



September 16, 2016 Date:



Director

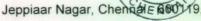


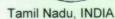
Director



Vice-Chancellor







AAMA UN



#### அண்ணாமலைப் பல்கலைக்கழகம்

#### ANNAMALAI UNIVERSITY



பொறியியற்புலம் FACULTY OF ENGINEERING & TECHNOLOGY

அக்டோபர் 2016 இல்

கருவிப் பொறியியல்

பிரிவில் நடத்திய தேர்வுகளில்

அருண் வி

தேர்ச்சியடை<mark>ந்து ஆய்வேட்டை மதிப்பி</mark>ட முறையாக அமைக்கப்பெற்ற தேர்வுக்குழுவினர் சான்றளித்தபடி,

ஆய்வியல் அறிஞர்

பட்டம் பெறுவதற்கு

உரியவர் ஆகின்றார்

என **அண்ணாமலைப் பல்கலைக்கழக ஆட்சிக் குழு** இதன்வழி அறிவிக்கின்றது.

The Syndicate of the  $\emph{ANNAMALAI UNIVERSITY}$  hereby makes known that  $\emph{ARUN V}$ 

Degree of DOCTOR OF PHILOSOPHY in INSTRUMENTATION ENGINEERING,

he/she having been certified by duly appointed Board of Examiners who valued his/her thesis to be qualified to receive the same in OCTOBER, 2016.

TITLE OF THE THESIS

ASYMMETRICAL SINGLE PHASE MULTILEVEL INVERTERS WITH REDUCED NUMBER OF SWITCHES

பல்கலைக்கழக முத்திரை பெறுகின்றது Given under the seal of the University



அண்ணாமலைநகர் Annamalainagar

நாள்:

Dated: 31/10/2016

**Dr.K.Arumugam** பதிவாளர் (பொறுப்பு) Registrar (i/c)

Dr.S.Manian துணை வேந்தர் Vice-Chancelloi











**担**arte : 20 - JAN - 2016



Registrar

FEEDBACK CONTROLLER

Title of the thesis:

ni anusz **JULY 2015** 

**ELECTRONICS AND COMMUNICATION ENGINEERING** 

has been admitted to the Begree of

DOCTOR OF PHILOSOPHY

The Board of Management and the Academic Council of

**ENGINEERING AND TECHNOLOGY** 

this University hereby make known that

SRINIVASA RAO PODUGU

having completed all the Academic requirements and having been

certified by duly appointed Txaminers to be qualified to receive the

INNOVATIVE ÅPPROACH FOR STABILIZATION OF MULTIPLE INTERACTIVE TANK PROCESS WITH FEED FORWARD CONTROLLER AND

(Tiben under the seal of the University

EDUCATIONAL UNIVERSITY AND RESEARCH INSTITUTE Dr. M.G.R.

(Declared u/s 3 of the UGC Act 1956)

Reg. No. EC09D004

#### JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

HYDERABAD - 500 085, TELANGANA STATE, INDIA

TS 684912



H.T No.: 0803PH0736





Mr. Selvarasu R Slo. Ranganathan G

having fulfilled the academic requirements in May, 2016 has this day been admitted by the Executive Council to the Degree of

> Doctor Of Philosophy Electrical And Electronics Engineering

Topic: Optimal Location of FACTS Devices to Improve Power System Performance

Given under the Seal of the University

Date: 02-07-2016



VICE CHANCELLOR



PC No 316000300 CC 126034

# 126034 NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR.





**ANANTHAPURAMU - 515 002, ANDHRA PRADESH, INDIA** 

H.T.No: 10PH0216

Venkatesan K

No Kuppan P

having fulfilled the academic requirements in August, 2016 has this day been admitted by the Executive Council to the Degree of

Doctor of Philosophy

(Electrical Engineering)

for the Thesis entitled, "UNIT COMMITMENT USING AI TECHNIQUES UNDER DE-REGULATED ENVIRONMENT"

Wednesday, 28 December, 2016.

Given under the Seal of the University

Director of Evaluation

Vice Chancellor

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR

ANANTHAPURAMU - 515 002, ANDHRA PRADESH, INDIA

CC 005770

H.T.No:0900PH0341

Aadhar No: 777666301666







Katta Lakshminarasimhamu

Sto. K Narasimhulu

having fulfilled the academic requirements in July, 2017 has this day

been admitted by the Executive Council to the Degree of

Doctor of Philosophy

(Mechanical Engineering)

for the Thesis entitled. "CLOSED QUEUEING NETWORK ANALYSYS FOR OPTIMUM BUFFER ALLOCATION IN A CONWIP BASED JIT SYSTEM USING PSO AND SOS ALGORITHMS"

Date of Viva Voce : 03.07.2017

Given under the Seal of the University

Monday, 19 February, 2018.





තී බි්රු නිත්තු කිස්තු කිස්තු

ఫాకల్టీ ఆవ్ ఇంజినీరింగ్ Haculty of Angineering

కృష్ణమాచారి పి సి పి వెంకటరమణాచారి గారి కుమారుడు కు

ఈ విశ్వవిద్యాలయం నుండి క్రింద సూచించిన విధంగా అతను పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్హత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి ఆర్హత హొందినట్లు ధృవీకరించడమైంది.

This is to certify that

Krishnamachary PC ×

Son of P Venkataramanachari
has been admitted to the Degree of

Doctor of Philosophy

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

DEPARTMENT OF STUDY: Mechanical Engineering

SUBJECT OF THE THESIS: "Development of an Integrated Approach with CAD and Feature Based Modelling for Fixture

YEAR: 2007 Design in Machining of Prismatic Parts"

విశ్వపిద్యాలయ అధికార ముద్రతో జారీ చేయడమైంది. Siven under the Seal of the University

ම්රා්තම / *Tirupati* ම්ඨ *1 Date : "*1 5 OCT 2007



h russ

ఉపకులపతి Vice – Chancellor



### அண்ணாமலைப் பல்கலைக்கழகம்



### ANNAMALAI UNIVERSITY



GUT PHUM PHOE TECHNOLOGY

ஜுன், 2017 இல்

உருவாக்கப் பொறியியல்

ஸ்ரீசபரி ச

பிரிவில் நடத்திய தேர்வுகளில்

தேர்ச்சியடைந்து ஆய்வேட்டை மதிப்பிட முறையாக அமைக்கப்பெற்ற தேர்வுக்குழுவினர் சான்றளித்தபடி,

ஆய்வியல் அறிஞர்

பட்டம் பெறுவதற்கு உரியவர்

டிரியவர் ஆகின்றார்

என அண்ணாமலைப் பல்கலைக்கழக ஆட்சிக் குழு

இதன்வழி

அறிவிக்கின்றது.

The Syndicate of the ANNAMALAI UNIVERSITY hereby makes known that SREE SABARIS has been admitted to the

Degree of DOCTOR OF PHILOSOPHY in MANUFACTURING ENGINEERING,

he/she having been certified by duly appointed Board of Examiners who valued his/her thesis to be qualified to receive the same in JUNE, 2017.

TITLE OF THE THESIS

EVALUATION OF PERFORMANCE OF FRICTION STIR WELDED AA2519-T87 ALUMINIUM ALLOY JOINTS

பல்கலைக்கழக முத்திரை பெறுகின்றது Given under the seal of the University



அண்ணாமலைநகர் Annamalainagar

நாள்:

Dated: 31/10/2017

**Dr.K.Arumuyam** பதிவாளர் (பொறுப்பு)

Registrar (i/c)

Dr.S.Manian துணை வேந்தர் Vice-Chancellor CC 031134

## CO31134 NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUP





**ANANTAPUR - 515 002, ANDHRA PRADESH, INDIA** 

H.T.No: 401530ME-PH

Karu Clement Varaprasad

No K James

having fulfilled the academic requirements in September 2011 has this day been admitted by the Monitoring & Development Committee to the Degree of

> Doctor of Philosophy (Mechanical Engineering)

for the Thesis entitled, "ARTIFICIAL NEURAL NETWORK APPROACH FOR DESIGN AND EVALUATION OF FLEXIBLE CELLS OF CELLULAR FLEXIBLE MANUFACTURING SYSTEM LAYOUT"

Thursday, 27 December, 2012.

Given under the Seal of the University

**Director of Evaluation** 



Certified that

#### Anindya Jana

was admitted to the Degree of Bortor of Philosophy in Engineering of this University on 26.11.2015 and that the degree was conferred on him her at the Convocation held in December 2015 with all the Rights and Privileges thereto appertaining.

In Witness whereof the Signature of the Vice-Chancellor of Indaupur University is hereunto affixed.

JADAVPUR UNIVERSITY
The 24th December, 2015



Sulanjan Drs Vice-Chancellor CC 031110

C 031110
NEHRU TECHNOLOGICAL UNIVERSITY
ANANTAPUR
ANANTAPUR





**ANANTAPUR - 515 002, ANDHRA PRADESH, INDIA** 

H.T.No: 0603PH1557

Hariprasad Tarigonda

No Rajanna T

having fulfilled the academic requirements in January, 2012 has this day been admitted by the Monitoring & Development Committee to the Degree of

Doctor of Philosophy

(Mechanical Engineering)

for the Thesis entitled, "EXPERIMENTAL STUDIES ON THE PERFORMANCE OF C.I ENGINE WITH BIO-DIESEL AS FUEL FOR VARIOUS BLENDS OF DIESEL AND LPG"

Thursday, 27 December, 2012.

Given under the Seal of the University

**Director of Evaluation** 

#### JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

HYDERABAD - 500 085, TELANGANA STATE, INDIA

TS 703966







H.T No.: 0903PH06A7

Mr. Narendra Kumar Rao B S/o. Ramamurthy Rao B

having fulfilled the academic requirements in *February*, 2016 has this day been admitted by the Executive Council to the Degree of

Doctor Of Philosophy

Computer Science And Engineering

Topic: "Test Suite Size and Fault Reduction Methods".

Given under the Seal of the University

Date: 21-04-2017

6.52.

DIRECTOR OF EVALUATION



Acleanly

VICE CHANCELLOR



PC No 316000172



ఫాకల్టీ ఆఫ్ ఇంజిసీరింగ్ Haculty of Angineering

ఎకె దామోదరం

ఎ ప్రిక్రిషనన్ గారి కుమారుడు కు

ఈ విశ్వవిద్యాలయం నుండి క్రింద సూచించిన పిధంగా అతను పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్హత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత హిందినట్లు ధృవీకరించడమైంది.

This is to certify that

A.K Damodaram

Son of AV Krishanan has been admitted to the Degree of

Doctor of Philosophy

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

DEPARTMENT OF STUDY: MECHANICAL ENGINEERING

SUBJECT OF THE THESIS : Design and Development of a Framework for IT Enablement of SCM Implementation in the

YEAR: 2014 Context of Indian Industries'

> విశ్వవిద్యాలయ అధికార ముద్ర తో జారీ చేయడమైంది. Siven under the Seal of the University

ම්රා්ම / Jirupati

15 OCT 2014 ම්ඨ 1 Date :

ఉపకులపతి Vice – Chancellor

CC 200044

200044
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WELL TECHNOLOGICA

WILLIAM TECHNOLOGICA



HYDERABAD, ANDHRA PRADESH, INDIA

Mr. V Venkata Rama Prasad Slo V Rattaigh

October - 2007 having fulfilled the academic requirements in has this day been admitted by the Executive Council to the Degree of

> Doctor of Philosophy ( Computer Science )

Topic: Entropy and Gray level Difference Techniques For Fast Fractal Images Compression

Given under the Seal of the University

H.T.No: 98330CS

Date: 02 April, 2008

47690

B. Dean Kumas

Controller of Examinations

Director of Evaluation



SRI CHANDRASEKHARENDRA SARASWATHI VISWA MAHAVIDYALAYA (University established under Section 3 of U.G.C. Act 1956)

#### डॉक्टर् ऑफ् फिलासँफी Doctor of Philosophy

श्रीचन्द्रशेखरेन्द्रसरस्वतीविश्वमहाविद्यालयस्य निर्वाहकसमितिः स्वीयेन मुद्राधिकारेण उद्घोषयति

#### ए.वी.श्रीहर्षा

प्रबन्धम् मल्टी-लेवल्, मल्टी-की ट्रस्ट् इन् पी पी डी एम् यूसिङ् सिन्टाक्टिक् अनानिमिटी आन् सेन्सिटिव् डेटा नामानमुपस्थाप्य मार्च्-२०१७ तमे वर्षे इन्फर्मेषन् टेक्नालजी डाँक्टर् आँफ् फिलासँफी इत्युपाधिधारणे अधिकृताः/अधिकृता इति।

The Board of Management of Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya hereby makes known that

#### A.V.SRIHARSHA

has been duly 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 MARCH-2017 in INFORMATION TECHNOLOGY for his/her thesis entitled "MULTI-LEVEL, MULTI-KEY TRUST IN PPDM USING SYNTACTIC ANONYMITY ON SENSITIVE DATA".

Given under the seal of the University.

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

Date: 18.11.2017

कलसचिवः

Registrar

C.No.: 171369

·M.

एनातूर्, काञ्चीपुरम् - ६३१ ५६१, तमिलनाडु, इण्डिया. Enathur, Kanchipuram - 631 561, Tamil Nadu, India उप-कुलपतिः Vice-Chancellor

Register Number RM14IT124



Reg.No. 1214289723/RG



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

DISCARDED FRUIT FIBER REINFORCED POLYMER COMPOSITES

Title of the Thesis:

PROCESSING AND CHARACTERIZATION O

Given under the Seal of the University

AMBER EDITION FOR THE AMBER EMPLE ASSET VALUE OF THE AMBER EMP

Chennai 600 025 India May 2017

Controller of Examinations

Registrar

Chairman, Convener Committee
Vice-Chancellor



**శ్రీ వేంకటేశ్వర విశ్వవిద్యాలయం** 

ఫాకల్టీ ఆఫ్ ఇంజినీరింగ్ Haculfy of Engineering

యం సునీల్ కుమార్

యం ఆదయ్య గారి కుమారుడు కు 🗡 ఈ విశ్వవిద్యాలయం నుండి క్రింద సూచించిన విధంగా అతను పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్హత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత హిందినట్లు ధృవీకరించడమైంది.

This is to certify that

M Sunil Kumar

Son of M Audaiah has been admitted to the Degree of

Doctor of Philosophy

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

DEPARTMENT OF STUDY: COMPUTER SCIENCE AND ENGINEERING

SUBJECT OF THE THESIS:

"A Framework of Architectural Knowledge Modeling for Identifying the Eminence YEAR: 2015 Functional Requirements in Software Architecture"

> విశ్వవిద్యాలయ అధికార ముద్రతో జారీ చేయడమైంది. Siven under the Set of the University

తిరుపతి / Tirupati ತೆದಿ 1 Date :- 2 DEC 2015

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棚

ఉపకులపతి Vice - Chancellor



ఫాకల్టీ ఆఫ్ ఇంజిసీరింగ్ Haculty of Angineering

గుర్గం సునీత

జీ శివరామ క్రిష్ణ గారి కుమార్తె కు ఈ విశ్వవిద్యాలయం నుండి క్రింద సూచించిన విధంగా ఆమె పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్హత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత హొందినట్లు ధృవీకరించడమైంది.

This is to certify that

Gurram Sunitha

Daughter of G Sivarama Krishna has been admitted to the Degree of

Doctor of Philosophy

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

DEPARTMENT OF STUDY: COMPUTER SCIENCE AND ENGINEERING

SUBJECT OF THE THESIS: "Enhanced Interestingness Measures and

YEAR: 2016

Algorithms for Mining Relative and Regional
Sequential Patterns from Spatio-Temporal

**Event Databases**"

పిశ్వపిద్యాలయ అధికార ముద్ర లో జారీ చేయడమైంది. Given under the Seezed the University

ම්රාර්ම / Tirupati

3å 1 Date: 1- 9 FFR 2016

- 9 FEB ZU

esseses Vice – Chancellor CC001632

# CO01632 NEHRU TECHNOLOGICAL UNIVERSITY ANALYMENTAPUR.





**ANANTAPUR - 515 002, ANDHRA PRADESH, INDIA** 

H.T.No: 30835EC/PH

Chennapalli Subhas

No & Anjanaiah

having fulfilled the academic requirements in May, 2010 has this day been admitted by the Monitoring & Development Committee to the Degree of

Doctor of Philosophy

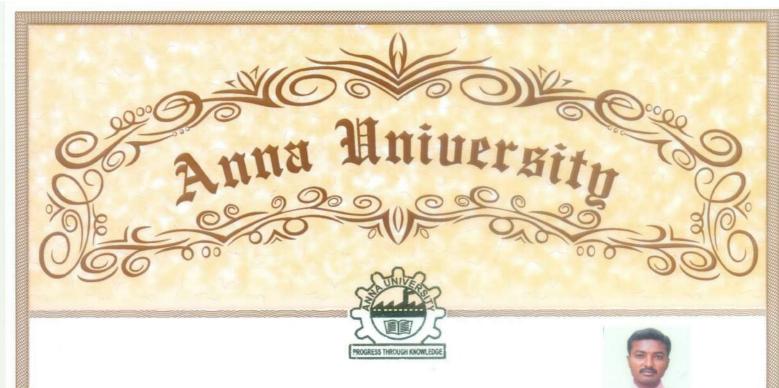
(Electronics & Communication Engineering)

for the Thesis entitled. "SIGNAL PRECODING SCHEMES FOR MOBILE RADIO CHANNELS OF CDMA SYSTEMS"

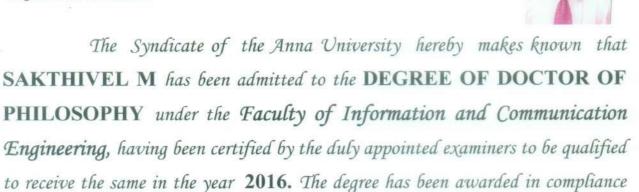
Monday, 16 August, 2010.

Given under the Seal of the University

H. Zingachi



Reg.No. 10950621088/RG



Title of the Thesis:

ENERGY ADEPT ROUTING PROTOCOL FOR MANETS WITH LOAD BALANCING AND LINK FAILURE PREDICTION

with the "University Grants Commission, Regulations 2009".

Given under the Seal of the University

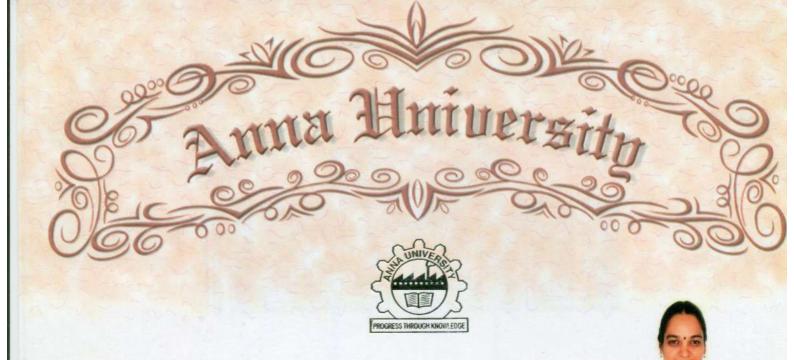


Chennai 600 025 India

May 2017

Controller of Examinations Registrar

Chairman, Convener Committee
Vice-Chancellor



Reg.No. 1408501001/RG

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

SEMANTIC SIMILARITY BASED CLUSTERING OF WEB DOCUMENTS USING PSO AND FUZZY

Given under the Seal of the University



Chennai 600 025 India

January 2016

Controller of Examinations

Registrar

Vice-Chancellor



ఫాకల్టీ ఆఫ్ ఇంజినీరింగ్ Haculty of Engineering

వెంకట్ రమణ పి

భూపాల్ నాయుడు పి గారి కుమారుడు కు ఈ పిశ్వపిద్యాలయం నుండి క్రింద సూచించిన పిధంగా అతను పట్మాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్హత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత హొందినట్లు ధృవీకరించడమైంది.

This is to certify that

Venkat Ramana P

Son of Bhupal Naidu P has been admitted to the Degree of

Doctor of Philosophy

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

DEPARTMENT OF STUDY: ELECTRONICS AND COMMUNICATION ENGINEERING

SUBJECT OF THE THESIS: "Performance Improvement of Cooperative Spectrum Sensing in Cognitive Radio Networks Using Energy and Cyclostationary

Detection"

పిశ్వపిద్యాలయ అధికార ముద్రత్తో జారీ చేయడమైంది. Siven under the Secon the University

ම්රාන්ම් / Tirupati

Sl. No. PT

ತೆದೆ / Date: 30th, June, 2018.

YEAR: 2015



ఉపక్కల్గపతి

CC 126078

## C 126078 C 1260





ANANTHAPURAMU - 515 002, ANDHRA PRADESH, INDIA

H.T.No: 11PH0520

Konduru Reddy Madhavi

D/o K Oli Ramaraju

having fulfilled the academic requirements in September, 2016 has this day been admitted by the Executive Council to the Degree of

Doctor of Philosophy

(Computer Science & Engineering)

for the Thesis entitled, "EFFICIENT CLUSTERING ALGORITHMS FOR CONCEPT-DRIFT CATEGORICAL DATA"

Wednesday, 28 December, 2016.

Given under the Seal of the University

Director of Evaluation

Vice Chancellor



## அண்ணாமலைப் பல்கலைக்கழகம்



#### ANNAMALAI UNIVERSITY



பொறியியற்புலம் FACULTY OF ENGINEERING & TECHNOLOGY

டி ச**ம்பர், 2016** ்இல்

கணிப்பொறி அறிவியல் மற்றும் பொறியியல்

பிரிவில் நடத்திய தேர்வுகளில்

ஆனந்த நடராஜன் வை

தேர்ச்சியடைந்து ஆய்வேட்டை மதிப்பிட முறையாக அமைக்கப்பெற்ற தேர்வுக்குழுவினர் சான்றளித்தபடி, ஆய்வியல் அறிஞர் LILLIO பெறுவதற்கு உரியவர் ஆகின்றார் என அண்ணாமலைப் பல்கலைக்கழக ஆட்சிக் குழு

அறிவிக்கின்றது.

The Syndicate of the ANNAMALAI UNIVERSITY hereby makes known that ANANTHA NATARAJAN V has been admitted to the

Degree of DOCTOR OF PHILOSOPHY in COMPUTER SCIENCE &

he/she having been certified by duly appointed Board of Examiners who valued his/her thesis to be qualified to receive the same in DECEMBER, 2016.

TITLE OF THE THESIS

TEXT TO THREE DIMENSIONAL VISUAL SPEECH SYNTHESIS

பல்கலைக்கழக முத்திரை பெறுகின்றது Given under the seal of the University



அண்ணாமலைநகர் Annamalainagar

நாள்:

Dated: 31/10/2017

பதிவாளர் (பொறுப்பு)

Registrar (i/c)

Dr.S.Manian துணை வேந்தர்

Vice-Chancellor



ఫాకల్టీ ఆఫ్ ఇంజినీరింగ్ Haculty of Angineering

గిరీష్ నామినేసి

నామినేని యల్ యన్ చౌదరి గారి కుమారుడు కు ఈ విశ్వవిద్యాలయం నుండి క్రింద సూచించిన విధంగా అతను పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్ణత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత హిందినట్లు ధృవీకరించడమైంది.

This is to certify that

Gireesh Namineni

Son of Namineni L N Chaudary has been admitted to the Degree of

Doctor of Philosophy

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

DEPARTMENT OF STUDY: ELECTRONICS AND COMMUNICATION ENGINEERING

SUBJECT OF THE THESIS: "Design and Performance Evaluation of Different Controllers for Control of Nonlinear

YEAR: 2016 Process"

విశ్వపిద్యాలయ అధికార ముద్రతో జారీ చేయడమైంది. Siven under the Sectof the University

ම්රාపම් / *Tirupati* ම්ඨ *I Date* : **0 9 MA**Y 2018

Cice - Chancellor



Reg.No. 1324489714/RG



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

DETECTION OF NEW BLOOD VESSELS IN DIABETIC RETINOPATHY USING SOFT COMPUTING TECHNIQUES

Given under the Seal of the University



Chennai 600 025 India

May 2017

Contro ler of Examinations

Chairman, Convener Committee

Vice-Chancellor



Reg.No.2011141046/RG



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

DESIGN AND **DEVELOPMENT** OF INFORMATION RETRIEVAL SYSTEMS FOR. **GEOSPATIAL QUERY PROCESSING** INGRID ENVIRONMENT



Given under the seal of the University

Chennai 600025

India

June 2018

Controller of Examinations





**జ్రీ వేంకటేశ్వర విశ్వవిద్యాలయం** 

సాకల్టీ ఆఫ్ ఇంజినీరింగ్ Haculty of Angineering

అనిత పి ఆర్

రాజా రెడ్డి గారి కుమార్తె కు ఈ విశ్వవిద్యాలయం నుండి క్రింద సూచించిన విధంగా ఆమె పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్హత ఏొందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత పొందినట్లు ధృవీకరించడమైంది.

This is to certify that

Anitha VR

Daughter of Raja Reddy
has been admitted to the Degree of

Doctor of Philosophy

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

DEPARTMENT OF STUDY: ELECTRICAL AND ELECTRONICS ENGINEERING

SUBJECT OF THE THESIS: "Design and Analysis of a Square Micro Strip Planar Array for Wind Profiling Radars"

YEAR: 2010

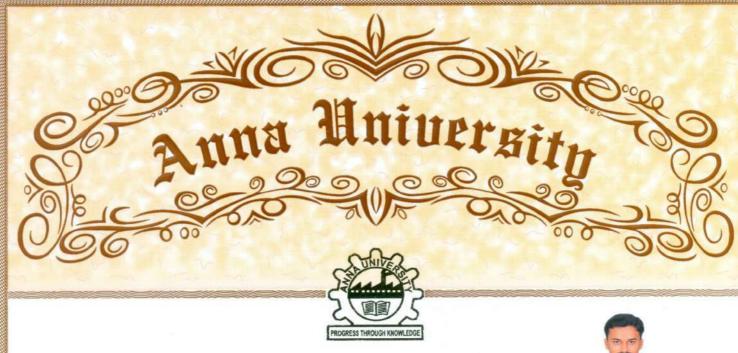
పిశ్వపిద్యాలయ అధికార ముద్దతో జారీ చేయడమైంది. Given under the Societ the University

తిరుపతి / Tirupati

ತೆದಿ 1 Date : 1 2 MAR 2010

ఉపకులపతి Vice – Ghancellor

MA



Reg.No. 11260631011/RG



The Syndicate of the Anna University hereby makes known that GNANAPRAKASAM 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:

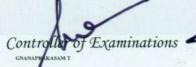
OPTIMAL ECC BASED DUAL ENCRYPTION TECHNIQUE FOR DATA SECURITY IN CLOUD

Given under the Seal of the University



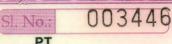
Chennai 600 025 India

May 2017





Chairman, Convener Committee
Vice-Chancellor





**శ్రీ వేంకటేశ్వర విశ్వవిద్యాలయం** 

ఫాకల్టీ ఆఫ్ ఇంజిసీరింగ్ Maculty of Angineering

నిమ్మగడ్డ పద్మజ 🗡

నిమ్మగడ్డ సుబ్బారావు గారి కుమార్తె కు ఈ పిశ్వపిద్యాలయం నుండి క్రింద సూచించిన పిధంగా ఆమె పట్మకు నిర్దేశించిన పరీక్షలో ఉత్తీర్హత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత హొందినట్లు ధృవీకరించడమైంది.

This is to certify that

Nimmagadda Padmaja 🖯

Daughter of Nimmagadda Subbarao 🗡 has been admitted to the Degree of

Doctor of Philosophy

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

**ELECTRONICS AND COMMUNICATION ENGINEERING** 

SUBJECT OF THE THESIS:

"Atmospheric Signal Processing using Wavelets and Hilbert Huang Transform"

YEAR: 2012

విశ్వవిద్యాలయ అధికార ముద్రతో జారీ చేయడమైంది.

Siven under the Seal of the University

తిరుపతి / Tirupati

ತೆದೆ 1 Date: 2 0 FEB 2013

ఉపకులపతి Vice - Chancellor



2006	<sub>யூம் ஆண்டில்</sub> <b>சென்னைப் பல்கன</b>	<b>லைக்கழகத்தில்</b> ஆய்வு நிகழ்த்தி
வழங்கிய ஆய்வேட்	_டுக்காக முனைவர் பட்டம்	பெறத் தகுதியுடையவர் என்று தக்க
தோவாளாகளால் சான்ற	ளிக்கப்பட்டு <b>செங்கு</b>	நட்டுவன் அ
என்பவருக்கு முனை	<b>வர் பட்டம்</b> அளிக்கப்படுகிறது என்று (	சென்னைப் பல்கலைக்கழகப் பேரவை
அறிவிக்கிறது.		
சென்னைப் பல்கலைக்க	கழக இலச்சினையுடன், சென்னையில்	2006 ஆம் ஆண்டு
நவம்பர்	திங்கள் 14 ஆம் நாள் அளிக்க	ப்பட்டது.
DEGRI he/she having been receive the same in  Given under to  14 <sup>th</sup> day of  Title of the The	: Curriculum of Computer (Electronics Engineering	has been conferred the PHILOSOPHY examiners to be qualified to Madras, at Chennai this
	Inter-disciplinary	

பதிவாளர் Registrar



துணை வேந்தர் Vice-Chancellor



Reg.No. 1014419772/RG

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

Title of the Thesis:

AN EFFICIENT MITIGATION FRAMEWORK TO DETECT AND DEFEND AGAINST MULTI-VECTOR DDOS ATTACKS

Given under the Seal of the University



Chennai 600 025 India

January 2016

Controller of Examinations

Registrar

Vice Chancellor



SI. No. 614565

Read by	10
Verified by	Jall



**శ్రీ వేంకటేశ్వర విశ్వవిద్యాలయం** 

ఫాకల్టీ ఆఫ్ ఇంజిసీరింగ్ Haculty of Engineering

#### లీలారాణి దమరపాటి

డి శ్రీనివాసులు నాయుడు గారి కుమార్తె కు ఈ విశ్వవిద్యాలయం నుండి క్రింద సూచించిన విధంగా ఆమె పట్నకు నిర్దేశించిన పరీక్షలో ఉత్తీర్హత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత హిందినట్లు ధృవీకరించడమైంది.

This is to certify that

Leelarani Damarapati

Daughter of D Prinivasulu Naidu has been admitted to the Degree of

Doctor of Philosophy

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

DEPARTMENT OF STUDY: ELECTRONICS AND COMMUNICATION ENGINEERING

SUBJECT OF THE THESIS: "Design and Implementation of Algorithms for

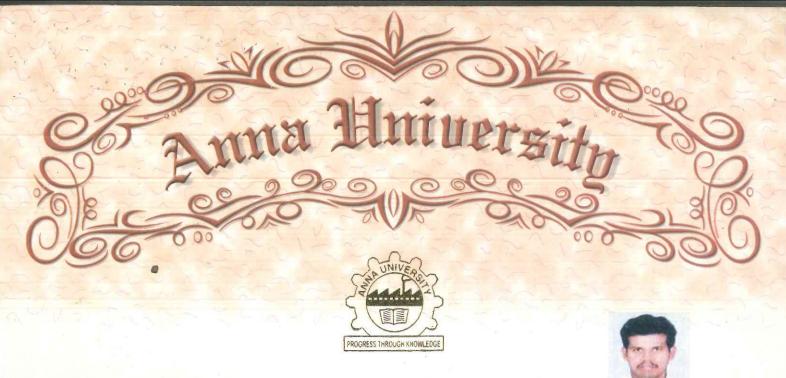
Denoising and Temperature Profiles of MST YEAR: 2016 Radar Signal Using Complex Wavelets"

> విశ్వవిద్యాలయ అధికార ముద్రతో జారీ చేయడమైంది. Siven under the Sea of the University

తిరుపతి / Tirupati

ತೆದಿ 1 Date: - 4 MAR 2016

ఉపక్కల్గపతే



Reg.No. 4086062162/RG

The Syndicate of the Anna University hereby makes known that SIVAKUMAR P has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Information and Communication Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2013.

Title of the Thesis:

NOISE FREE INFORMATION RETRIEVAL USING WEB CONTENT
MINING ON WEB PAGES



Given under the Seal of the University

Chennai 600 025 India November 2013 7. Controller of Examinations

Registrar

Vice-Chancellor

Ch Sear 19439791

الت التعليم المالية ا



22375

No.
Date
No.
Town सरकार के सचिव /अपर सचिव /उप
सचिव /अवर सचिव /सहायक सचिव /अनुमाग
अधिकारी के हस्ताक्षर सत्यापित किए जाते हैं
The Signature of Secretary/Additional
Secretary/Beputy Secretary/Under
Secretary/Asstt. Secretary/Section
Officer of State Government Attested



(GETT বেলা)
(PUSHPA RANJAN)
অনুমান অবিকাশ, বিজ্ঞানত স্থানিকাশ, বিজ্ঞানিকাশ, ব

VERHIED AND AUTHENTICATED

UNDER SECRETARY TO GOVERNMENT

PUBLIC FOREIGNERS) DEPARTMENT GOVERNMENT OF TAMILNADU CHENNAI-600 009, INDIA

Gevt. Lr. No: 11141/2017 Dt 19:1:2017 Ret. Anna Uni/ DV/AVN 110657 Df 18:1:2017



تصادق سفارة الملكة العربية السعودية 268424 (القسط الملكة العربية على صحة الملكة العربية على صحة المنويات الختم والتوقيع دون مستوليتها عن المتويات

1936 PROBATION TREVALLE

Marica

## भारतीय प्रौद्योगिकी संस्थान काशी हिन्दू विश्वविद्यालय

S.No.: P14-019

Roll No.: 09605EN004

भारतीय प्रौद्योगिकी संस्थानम् (काशी हिन्दू विश्वविद्यालयः) वाराणसी द्वारा

२०७१ विक्रमसंवत्सरे

श्री अनिरूद्ध बहादुर यादव विद्यावारिधि

इत्युपाधिना अलङ्क्रियते।

6-44 PHR 6-420

भारतीय प्रौद्योगिकी संस्थान (काशी हिन्दू विश्वविद्यालय) वाराणसी द्वारा २०१४ ईसवी (विक्रम संवत्सर २०७१) में श्री अनिरूद्ध बहादुर यादव को

विद्यावारिधि

की उपाधि से अलङ्कृत किया जाता है।



The Indian Institute of Technology (Banaras Hindu University) Varanasi

hereby confers the Degree of

**Doctor of Philosophy** 

in 2014

on Shri Aniruddh Bahadur Yadav.



Title of the Thesis -

Fabrication and Characterization of ZnO Thin Films and Pd/ZnO Schottky contacts for Electronic and Gas Sensing Applications.



भारतीयगणराज्यान्तर्गते वाराणस्याम् २०७२ विक्रमसंवत्सरे आश्विनमासस्य शुक्लपक्षस्य चतुर्थी तिथौ संस्थानस्य मुद्रांकित उपाधिः प्रदत्तः।

भारतीय गणराज्य के अन्तर्गत वाराणसी में सत्रह अक्टूबर दो हजार पन्द्रह को संस्थान की मुद्रांकित उपाधि प्रदान की गई।

Given under the seal of the Institute at Varanasi in the Republic of India on the Seventeenth day of October, Two Thousand Fifteen.

कुलसचिव Registrar

अध्यक्ष, सीनेट

Chairman, Senate

अध्यक्ष, संचालक मण्डल

Chairman, Board of Governors



## Faculty of Science

The Board of Management of Sri Venkateswara University

hereby makes known that G. Mani Waidu.

has been certified by duly appointed examiners to be qualified to receive the Degree of Doctor of Philosophy

and has been admitted to that Degree

Department of study Dhysics Subject of the thesis X- Ray crystallographic

Studies of Some organophosphorus heterocyclic compounds

YEAR 1991

Given under the Seal of the University

Marcal 8 APR 1993

Vice- Chanceller.





# National Institute of Technology Rourkela

Upon the recommendation of the Senate, hereby confers the degree of

Poctor of Philosophy

on

Prasanta Kumar Pradhan

who has successfully defended the thesis entitled "On Effcient Signal Processing Algorithms for Signal Detection and PAPR Reduction in OFDM Systems"

and has fulfilled all other requirements for the degree in the Department of Electronics and Communication Engineering.

Given this day, under the seal of the Institute at Rourkela in the Republic of India, the 21st Pay of January 2017.

Registrar

Director



Faculty of Science

This is to Certify that

(J. Hazipzasad Lun)

Son/Daughter of J. Ananthasayanam Law has been certified by duly appointed Examiners

to be qualified to receive the Degree of Poctor of Philosophy

and has been admitted to that Degree

SUBJECT OF THE THESIS Gentain, Modulations ins

Cambohydnote Metabolism of

Jiny and Jingenlings of

Cupninus Campio duning Recoveny

Inom Induced Ambient Ammonia

YEAR 1999 Stress "

Given under the Seal of the University

Sirupati
Dated 2 8 OCT 2000

Vice- Chancellor



# Haculty of Science

This is to Certify that

MM Resavulu x

Son of M Munikrishnaiah X

has been certified by duly appointed Examiners
to be qualified to receive the Degree of

# Dactor of Philosophy

and has been admitted to that Degree

DEPARTMENT OF STUDY : BIOCHEMISTRY

SUBJECT OF THE THESIS: "A Study on Vascular Complications of Diabetes Mellitus: Effect of w-3 Fatty Acids."

YEAR: 2001

Siven under the Seal of the University

Tirupati
Dated 26 MAR 2002

Vice - Chancellor



Reg.No. 7087052206/RG

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

Title of the Thesis:

OPTICAL CHARACTERISTICS OF GATE WRAP AROUND DOUBLE-WALLED ARRAY CARBON NANOTUBE FIELD EFFECT TRANSISTOR

Given under the Seal of the University



Chennai 600 025 India January 2016

Controller of Examinations

Registrar

Vice-Chancellor



# Haculty of Science

This is to Certify that

AV Mallikarjuna Prasad

Son of A Sreerama Murthy

has been certified by duly appointed Examiners
to be qualified to receive the Degree of

# Doctor of Philosophy

and has been admitted to that Degree

DEPARTMENT OF STUDY: MATHEMATICS

SUBJECT OF THE THESIS: "A Study of Some Partition Problems in Number Theory"

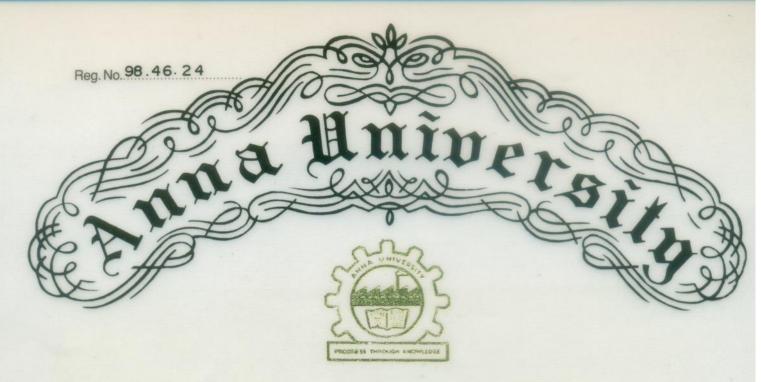
YEAR: 2001

Siven under the Seal of the University

Tirupati
Dated 14 MAR 2003

P.T.

Vice - Chancellor



# Faculty of Science and Humanities

The Syndicate of the Anna University hereby makes known that SUDARSAN KUMAR.1.

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 2003.

Title of the thesis CATALYTIC PERFORMANCE OF MODIFIED

BASIC Y,B AND ZSM-5 ZEOLITES.



Given under the Seal of the University

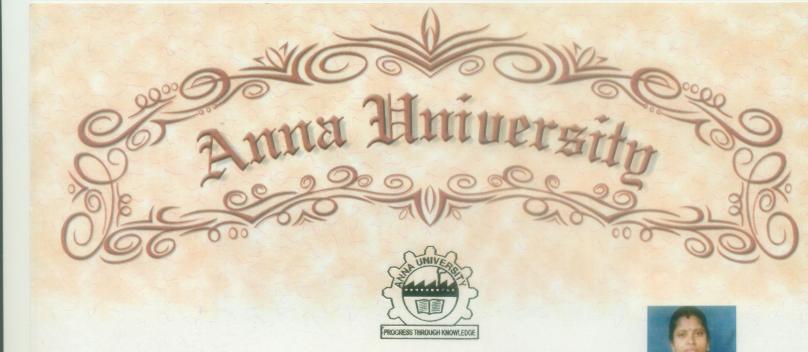
University Buildings,

Chennai - 600 025

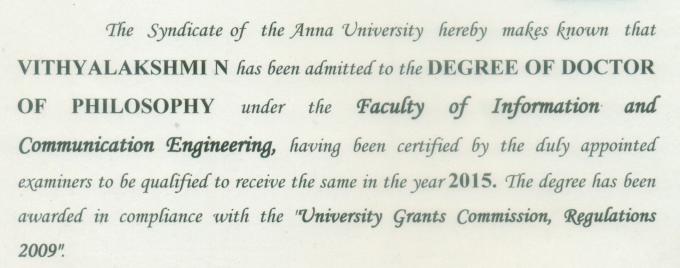
Month and Year NOVEMBER 200:

Registrarije

Vice-Chancelox



Reg.No. 2009740132/RG



Title of the Thesis:

MINIMIZING POWER DISSIPATION THROUGH TRANSITION
ACTIVITY IN VLSI INTERCONNECTS

Given under the Seal of the University



Chennai 600 025 India January 2016

Controller of Examinations

Registrar

Vice-Chancellor



# Haculty of Science

This is to Certify that

V Hari Krishna

Son of V Rameswara Rao 🔌

has been certified by duly appointed Examiners to be qualified to receive the Degree of

## Doctor of Philosophy

and has been admitted to that Degree

DEPARTMENT OF STUDY: CHEMISTRY

SUBJECT OF THE THESIS: "An Investigation in Analysis of Water Pollutants (Determination of Carbamate Insecticides)"

YEAR: 2006

Siven under the Seal of the University

Tirupati Dated 9 AUG 2006

Vice - Chancellor



# Hacultry of Science

This is to Certify that

Kiran Y B

Son of Y Bathal Reddy

has been certified by duly appointed Examiners
to be qualified to receive the Degree of

## Doctor of Philosophy

and has been admitted to that Degree

DEPARTMENT OF STUDY: CHEMISTRY

SUBJECT OF THE THESIS: " Synthesis of Organophosphorus Compounds of Biological and Industrial Importance"

YEAR: 2006

Siven under the Seal of the University

Tirupati Dated 25 JAN 2007

Olice - Chancellor

Regn. No.: SP12ECD040



St. PETER'S INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared under Section 3 of the UGC Act, 1956)



The Board of Management of the St. Peter's University hereby makes known that

SENTHIL KUMAR B

has been admitted to the Degree of

DOCTOR OF PHILOSOPHY

in

## **ELECTRONICS AND COMMUNICATION ENGINEERING**

he having been certified by duly appointed examiners to be qualified to receive the same at the VIVA-VOCE examination held in SEPTEMBER 2016.



Date: 05-11-2016

Avadi, Chennai-600 054 Tamilnadu, India



Given under the seal of the University

Vice-Chancellor



# Haculty of Science

This is to Certify that

Gandavaram Syam Prasad Son of Gopal Reddy

has been certified by duly appointed Examiners to be qualified to receive the Degree of

## Doctor of Philosophy

and has been admitted to that Degree

DEPARTMENT OF STUDY: CHEMISTRY

SUBJECT OF THE THESIS: "Synthesis, Spectral Characterisation and Bioassay of some New Organophosphorus Compounds"

YEAR: 2007

Siven under the Seal of the University

Tirupati Dated 25 APR 2007 Vice - Chancellor

Regn. No.: SP11ECDA131



St. PETER'S INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared under Section 3 of the UGC Act, 1956)



The Board of Management of the

St. Peter's University hereby makes known that

### SARAVANAN M

has been admitted to the Degree of

#### **DOCTOR OF PHILOSOPHY**

in

#### **ELECTRONICS AND COMMUNICATION ENGINEERING**

he having been certified by duly appointed examiners to be qualified to receive the same at the VIVA-VOCE examination held in APRIL 2015.





Given under the seal of the University

Date: 07-10-2015

0 054

Yal W.

S. Kr. Chehum



## **శ్రీ వేంకటేశ్వర విశ్వవిద్యాలయం**

# ఫాకల్టీ ఆఫ్ సైన్స్ Maculty of Science

జీ రామక్రి ష్ణయ్య

జీ భద్రయ్య గారి కుమారుడు కు ఈ విశ్వవిద్యాలయం నుండి క్రింద సూచించిన విధంగా అతను పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్హత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత హిందినట్లు ధృవీకరించడమైంది.

This is to certify that

G Ramakrishnaiah

Son of G Bhadraiah has been admitted to the Degree of

# Doctor of Philosophy

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

DEPARTMENT OF STUDY : BIO-TECHNOLOGY

SUBJECT OF THE THESIS:

YEAR: 2008

"Studies on effect of Vam Fungi, Nitrogen Fixing and Phosphate Solubilizing Bacteria on Growth and Biochemical Aspects of Stevia rebaudiana (Bert.) - An Emerging Neutraceutical Plant"

పిశ్వపిద్యాలయ అధికార ముద్రతో జారీ చేయడమైంది. Given under the Second the University

මීරාන්ම / Tirupati ತೆದೆ 1 Date : 2 2 OCT 2008

ఉపకులపతి Vice - Chancellor CC000013





KAKINADA - 533 003, ANDHRA PRADESH, INDIA

Ms. Ramani Kasarapu D/o Prakash K

having fulfilled the academic requirements in June-2010 has this day been admitted by the Executive Council to the Degree of

Doctor of Philosophy

(Computer Science & Engineering)

Topic: Enhanced Information hiding through Integer, Discrete and Complex Wavelet Transforms .

Given under the Seal of the University

HTNo:

0603PH0646

Date :

03 February, 2011

VICE-CHANCELLOR



ఫాకల్టీ ఆఫ్ సైన్స్ Haculty of Science

పి విష్ణు ప్రశాంత్ పి లక్ష్మయ్య గారి కుమారుడు కు ఈ విశ్వవిద్యాలయం నుండి క్రింద సూచించిన విధంగా ఆతను పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్హత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి ఆర్హత పొందినట్లు ధృవీకరించడమైంది.

This is to certify that

Prasanth

Son of P Lakshamaiah
has been admitted to the Degree of

Doctor of Philosophy

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

DEPARTMENT OF STUDY : PHYSICS

SUBJECT OF THE THESIS: "Broadband Resonance Lidar Studies of Mesospheric Sodium at a Tropical Station"

YEAR: 2008

విశ్వపిద్యాలయ ఆధికార ముద్రతో జారీ చేయడమైంది. Given under the Seal of the University

తిరుపతి / *Tirupati* తేది *1 Date* : <mark>2 6</mark> FEB 2008



Of Minu

ఉపకులపతి Vice – Chancellor



ఫాకల్టీ ఆఫ్సైన్స్ Haculty of Science

కె నంద గోపాల్

కె కృష్ణా మూర్తి గారి కుమారుడు కు ఈ విశ్వవిద్యాలయం నుండి క్రైంద సూచించిన విధంగా అతను పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్ణత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత పొందినట్లు ధృవీకరించడమైంది.

This is to certify that

K Nanda Gopal X

Son of K Krishna Murthy X has been admitted to the Degree of

Doctor of Philosophy

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

DEPARTMENT OF STUDY : MATHEMATICS

SUBJECT OF THE THESIS: "A Study of Some Viscous Flows Through

and Past Porous Media">

YEAR: 2008

పెశ్వపిద్యాలయ అధికార ముద్రతో జారీ చేయడమైంది. Given under the Secret the University

తిరుపతి / Tirupati తేది / Date : 12th March 2010

MAINMAN

ఉపకులపతి Vice – Chancellor

MA



ఫాకల్టీ ఆఫ్ సైన్స్ Haculty of Science

ထာဝ ညာင်္ပီပီ ဃာဃာ

యం వరదయ్య గారి కుమారుడు కు ఈ విశ్వపిద్యాలయం నుండి క్రింద సూచించిన పిధంగా అతను పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్ణత హొందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత హొందినట్లు ధృవీకరించడమైంది.

This is to certify that

M Sudheer Babu

Son of M Varadaiah

has been admitted to the Degree of

Doctor of Philosophy

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

DEPARTMENT OF STUDY: MATHEMATICS

SUBJECT OF THE THESIS: "Some Hydromagnetic Fluid Flow Problems
Through Porous Media"

YEAR: 2009

విశ్వవిద్యాలయ ఆధికార ముద్రతో జారీ చేయడమైంది. Siven under the Security

ම්රා්ම / Tirupati

1

ತೆದಿ 1 Date : 2 1 NOV 2009

ఉపకులపతి Vice – Chancellor 機

擬

擬



ఫాకల్టీ ఆఫ్ సైన్స్ I aculty of Science

నిరుప్తమ పి

పి రాజేంద్ర,నాయుడు గారి కుమార్తె కు ఈ పిశ్వపిద్యాలయం నుండి క్రింద సూచించిన పిధంగా ఆమె పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్ధత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత పొందినట్లు ధృపీకరించడమైంది.

This is to certify that

Nirupama V

Daughter of V Rajendranaidu X has been admitted to the Degree of

Doctor of Philosophy

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

DEPARTMENT OF STUDY : PHYSICS

SUBJECT OF THE THESIS:

"Growth and Characterization of DC Magnetron Sputtered Molybdenum Oxide Films for Microelectronic Applications"

YEAR: 2009

విశ్వవిద్యాలయ అధికార ముద్ర లో జారీ చేయడమైంది. Siven under the Seal of the University

ම්රානම් / Tirupati ම්ඨ 1 Date 1 5 JAN 2009

ఉపకులపతి Vice – Chancellor



ఫాకల్టీ ఆఫ్ సైన్స్ Haculty of Science

ටිడ్డప్ప బీ

గంగి రెడ్డి బి గారి కుమారుడు కు ఈ పిశ్వపిద్యాలయం నుండి క్రింద సూచించిన పిధంగా అతను పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్ణత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత హొందినట్లు ధృవీకరించడమైంది.

This is to certify that
Reddappa B

Son of Gangi Reddy 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 at the Examinations prescribed therefor as hereunder:

DEPARTMENT OF STUDY : MATHEMATICS

SUBJECT OF THE THESIS:

"Mathematical Modeling of Some Magnetohydrodynamic Fluid Flows"

YEAR: 2009

విశ్వవిద్యాలయ అధికార ముద్ద తో జారీ చేయడమైంది.

Given under the Sound the University

తిరుపతి / Tirupati

ತೆದೆ 1 Date : 1 2 MAR 2010

ఉపకులపతి Vice – Chancellor



## काशी हिन्दू विश्वविद्यालयः

## डॉक्टर श्रॉफ फिलासॉफी

काशी हिन्दू विश्वविद्यालयस्य १६६८ तमे ईसवीयवत्सरे अप्लाह्ड भेथंभेटिकस्र इति विषये

डॉक्टर ऑफ़ फ़िलासॉफ़ी इत्युपार्धि पाप्नोदिति प्रमाणायति ।



## काशी हिन्दू विश्वविद्यालय डॉक्टर श्रॉफ़ फ़िलासॉफ़ी

## प्रमाणित किया जाता है कि

को सन् १६६८ की *उप्लाइड भेथॅभेटिकस* विषय में

काशी हिन्दू विश्वविद्यालय की डाँक्टर ऑफ़ फ़िलासॉफ़ी उपाधि पदान की गई।



## BANARAS HINDU UNIVERSITY

## Doctor of Philosophy

This is to certify that

has been admitted to the degree of Doctor of Philosophy in the Subject

of the Banaras Hindu University in the year 1998.

SAPPHILIP TITLE OF the Thesis

"Some Investigations on Single and Multiobjective Mathematical
Programming and Saddle Point Problems in Game Officery"

वाराणसी-VARANASI दिनाङ्ग-DATE March 28, 2000

कुलपतिः/कुलपति/VICE-CHANCELLOR



## శ్రీ వేంకటేశ్వర విశ్వవిద్యాలయం

ఫాకల్టీ ఆఫ్ కామర్స్ Maculty of Commerce

కామినేని సారధి

కామినేని లక్ష్మయ్య గారి కుమారుడు కు ఈ విశ్వపిద్యాలయం నుండి క్రింద సూచించిన పిధంగా అతను పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్హత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత హొందినట్లు ధృవీకరించడమైంది.

This is to certify that Kamineni Saradhi X

Son of Kamineny Lakshmaiah has been admitted to the Degree of

Aactor of Philosophy

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

DEPARTMENT OF STUDY : COMMERCE

SUBJECT OF THE THESIS: "A Study on Impact of Celebrity Endorsement on

Indian Brands in Andhra Pradesh"

YEAR: 2010

విశ్వవిద్యాలయ ఆధికార మున్నితో జారీ చేయడమైంది. తిరుపతి / Tirupati Given under the Search the University

Chancellor



ఫాకర్టీ ఆఫ్ ఆర్ట్స్ Faculty of Arts

మందలపు రవీచంద్

యం వి సుబ్బారావు గారి కుమారుడు కు ఈ పిశ్వపిద్యాలయం నుండి క్రింద సూచించిన పిధంగా అతను పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్హత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత పొందినట్లు ధృవీకరించడమైంది.

This is to certify that

Mandalapu Ravichand

Son of MV Subbarao
has been admitted to the Degree of

Doctor of Philosophy

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

DEPARTMENT OF STUDY : ENGLISH

SUBJECT OF THE THESIS: "Conflict of Cultures in Toni Morrison's Fiction"

YEAR: 2010

పిశ్వవిద్యాలయ అధికార్ ముక్కి ఇదే చేయడమైంది. తిరుపతి / Tirupati Siven under the Seal of the University తేది I Date: 7.

CC 126067

TECHNOLOGICAL UNIVERSITY
ANANTHAPURAMU - 515 002, ANDHRA PRADESH, INDIA

H.T.No: 11PH0526

Kamalapuram Khajabaseer

So K Moin

having fulfilled the academic requirements in September, 2016 has this day
been admitted by the Executive Council to the Degree of

Doctor of Philosophy
(Computer Science & Engineering)

for the Thesis entitled,
"ENHANCED MODELS FOR QUALITY IMPROVEMENT IN SOFTWARE DEVELOPMENT
PROCESS USING FUZZY BASED AND POKA-YOKE APPROACHES"

Wednesday, 28 December, 2016.

Given under the Seal of the University

Director of Evaluation

Registrar

Vice Chancellor



ఫాకల్టీ ఆఫ్ సైన్స్ Maculty of Science

వై బి కిషోర్ కుమార్

వై బథల్ రెడ్డి గారి కుమారుడు కు ఈ విశ్వవిద్యాలయం నుండి క్రింద సూచించిన విధంగా అతను పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్హత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత హిందినట్లు ధృవీకరించడమైంది.

This is to certify that

Y B Kishore Kumar

Son of Y Bathal Reddy has been admitted to the Degree of

Doctor of Philosophy

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

DEPARTMENT OF STUDY : PHYSICS

SUBJECT OF THE THESIS: "Studies on Solar Cell Materials - Preparation and Characterization of Spray Deposited Cu<sub>2</sub>ZnSnS<sub>4</sub> Thin Films

YEAR: 2010 for Solar Cell Absorber Layer"

పిశ్వపిద్యాలయ అధికార ముద్ర లో జారీ చేయడమైంది. Siven under the Seat of the University

తిరుపతి / Jirupati

38 1 Date: 10 3 FEB 2011

SI. No.

00594











Reg. No.

Sri Krishnadevaraya University hereby confers the Degree of Poctor of Philosophy

on Jeevanaprasad Reddy D

Son / Daughter of Rami Reddy D

in recognition for his/her research work on

" DEVELOPMENT AND ANALYSIS OF SOME COMPLETELY BIODEGRADABLE POLYMER COMPOSITES "

in the Department of Polymer Science & Technology

he / she having been found duly qualified for the same in\_

13-08-2010

13th August 2010

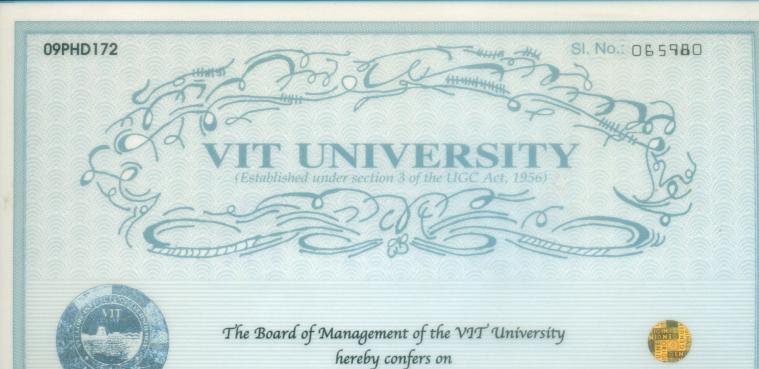
Given under the seal of the University

ANANTAPUR - 515003, ANDHRA PRADESH, INDIA

1 3 SEP 2010

Vice-Chancellor

Sri Krishnadevaraya Uni AMANTAPUR - 515 0



SASI KUMAR G

the degree of

**DOCTOR OF PHILOSOPHY** 

in recognition of the research work entitled

STUDY OF HUMAN BRAIN SIGNALS FOR FINDING BRAIN DISEASES USING SOFT COMPUTING TECHNIQUES

and for having fulfilled the prescribed requirements in the

School of Computer Science and Engineering

given this day the 08 March 2016



Given under the seal of this university

Vice - Chancellor

Chancellor

Dated: 22-Aug-2016

Vellore - 632 014, Tamil Nadu, India



**శ్రీ వేంకటేశ్వర విశ్వవిద్యాలయం** 

ఫాకల్టీ ఆఫ్ సైన్స్ Haculty of Science

తారకేశ్వర్ వై 🥇

గోపాల్ కె గారి కుమారుడు కు

ఈ పిశ్వపిద్యాలయం నుండి క్రింద సూచించిన పిధంగా అతను పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్హత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత హిందినట్లు ధృవీకరించడమైంది.

This is to certify that

Tharakeswar Y ×

Son of Gopal K × has been admitted to the Degree of

Doctor of Philosophy

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

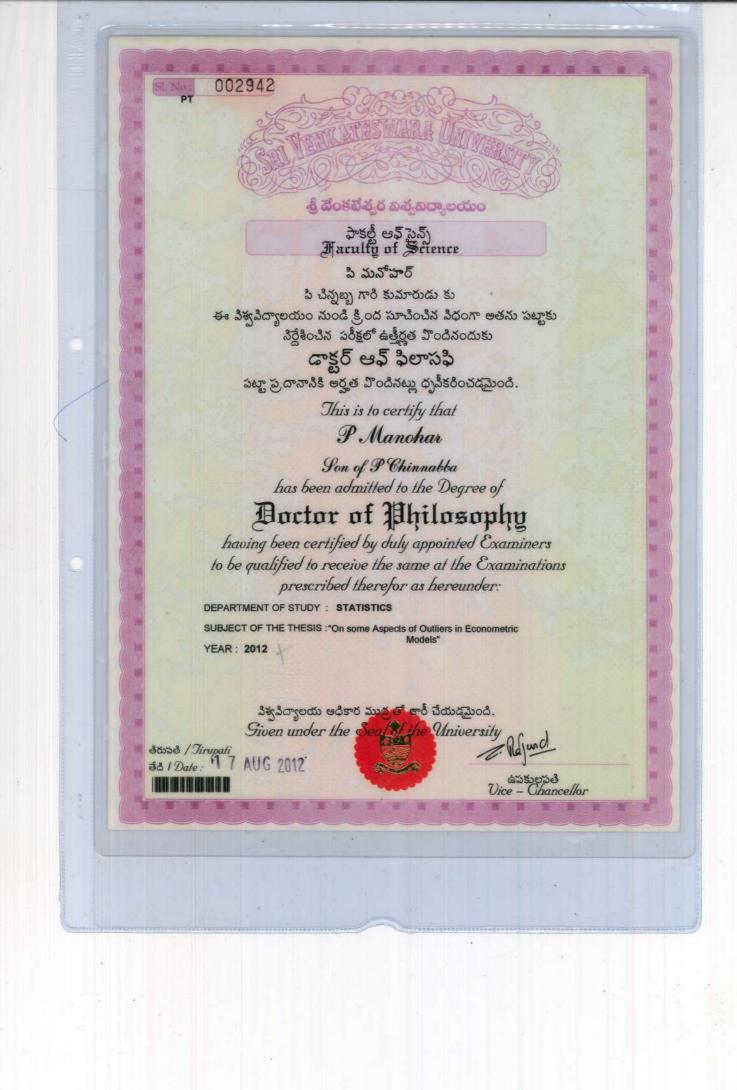
DEPARTMENT OF STUDY: ENVIRONMENTAL SCIENCES

SUBJECT OF THE THESIS : "Sorbents for the Removal of Toxic Pollutants in Environmental Samples" A

YEAR: 2011

విశ్వవిద్వాలయ అధికార ముద్ర తో జారీ చేయడమైంది. Given under the Seal the University

తిరుపతి / Tirupati JUL 2012



#### AGHARYA NAGARJUNA UN FACULTY OF ENGINEERING

This is to certify that

Mr./Ms. Warresh Basu Muspalaneni

has been duly admitted to the

## Degree of Doctor of Philosophy

in this University, he/she having been declared to

be qualified to receive the same in 2012

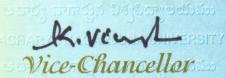
in Computer Science & Engineehing

Given under the Seal of the University

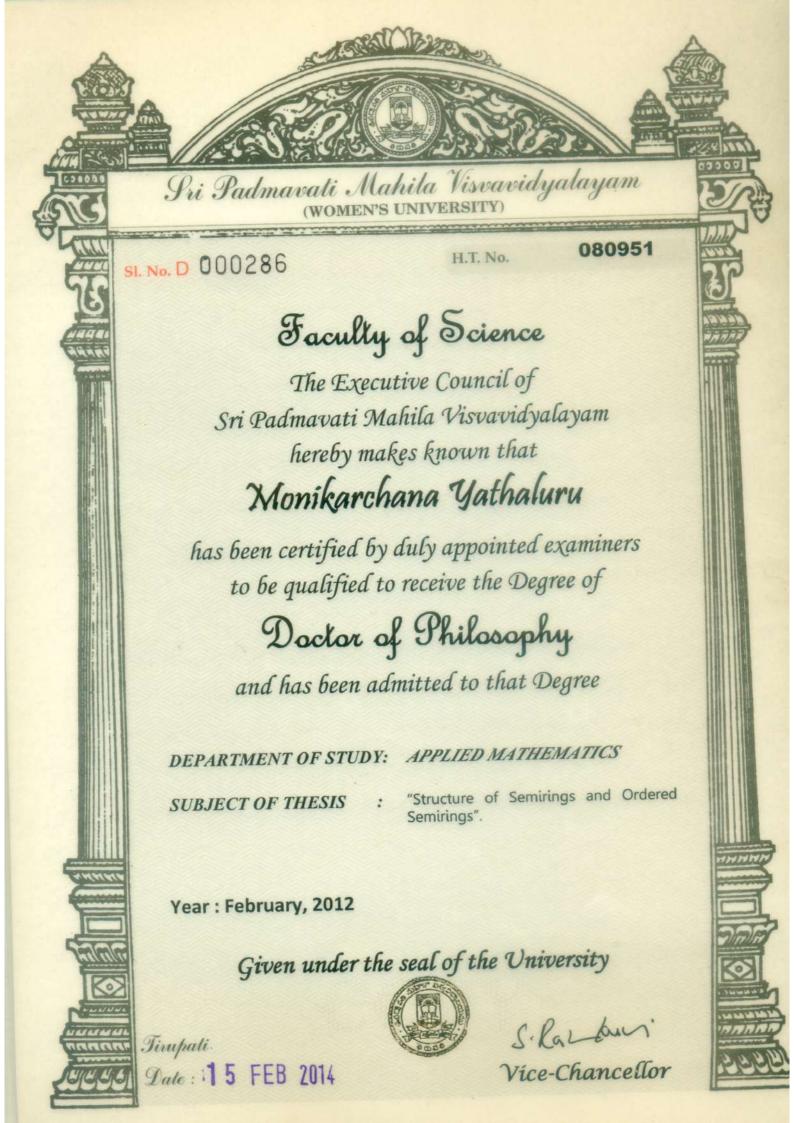
Nagarjuna Nagar-522 510. A.P. India

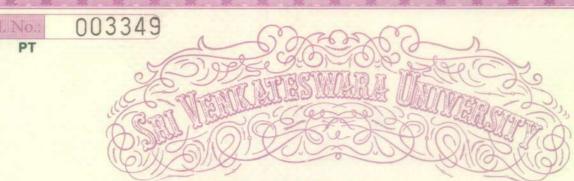
Date : 11 0 JAN 2013





ACHARYA HAGARJUNA UNIVERSITY





శ్రీ వేంకటేశ్వర విశ్వవిద్యాలయం

ఫాకల్టీ ఆఫ్ సైన్స్ Haculty of Science

పరందామ ఎ

చంద్ర, బాబు ఎ గారి కుమారుడు కు

ఈ విశ్వవిద్యాలయం నుండి క్రింద సూచించిన విధంగా అతను పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్హత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత హిందినట్లు ధృవీకరించడమైంది.

This is to certify that

Parandhama A

Son of Chandra Babu A has been admitted to the Degree of

Doctor of Philosophy

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

DEPARTMENT OF STUDY : MATHEMATICS

SUBJECT OF THE THESIS:

"Some Unsteady Flows of Immiscible Newtonian and Non-Newtonian Fluids in

Channels"

YEAR: 2012

విశ్వవిద్యాలయ అధికార ముద్ర తో జారీ చేయడమైంది. Siven under the Seal of the University

తిరుపతి / Tirupati ම්ඨ / Date :

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1 DEC 2012



శ్రీ వేంకటేశ్వర చిశ్వవిద్యాలయం

ఫాకల్టీ ఆఫ్ కామర్స్ Faculty of Commerce

నక్క వెంకటరత్నం 🗡

యన్ రంగయ్య గారి కుమారుడు కు ఈ విశ్వవిద్యాలయం నుండి క్రింద సూచించిన విధంగా అతను పట్నకు నిర్దేశించిన పరీక్షలో ఉత్తీర్హత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత పొందినట్లు ధృవీకరించడమైంది.

This is to certify that

. Nakka Venkatarathnam

Son of N Rangaiah X has been admitted to the Degree of

**Poctor** of Philosophy

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

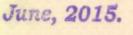
DEPARTMENT OF STUDY : COMMERCE

SUBJECT OF THE THESIS: "Financing of Sericulture industry in Andhra Pradesh - A Study with reference to Chittoor

YEAR: 2013 District"

> విశ్వవిద్యాలయ అధికార ముద్రతో జారీ చేయడమైంది. Siven under the Secrof the University

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I dejund



ఫాకల్టీ ఆఫ్ సైన్స్ Haculty of Science

రపీద్ సయ్యద్

హమీద్ సాహెబ్ సయ్యద్ గారి కుమారుడు కు ఈ విశ్వవిద్యాలయం నుండి క్రింద సూచించిన విధంగా అతను పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్హత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత హిందినట్లు ధృవీకరించడమైంది.

This is to certify that Rasheed Syed X

Son of Hameedsaheb Syed has been admitted to the Degree of

Doctor of Philosophy

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

DEPARTMENT OF STUDY : CHEMISTRY

YEAR: 2013

SUBJECT OF THE THESIS: "Synthesis, Spectral Characterization and Bio-Activity of Organophosphorus Compounds"

> విశ్వవిద్యాలయ అధికార ముద్ర తో జారీ చేయడమైంది. Siven under the Seat the University

ම්රා්ම / Tirupati

ම්ඨ I Date :

M 6 MAY 2013



ఫాకల్టీ ఆఫ్ సైన్స్ Haculty of Science

శ్రీ నివాసులు కురుకుంట్ల

వెంకటయ్య గారి కుమారుడు కు

ఈ విశ్వవిద్యాలయం నుండి క్రింద సూచించిన విధంగా అతను పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్ణత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత హొందినట్లు ధృవీకరించడమైంది.

This is to certify that

Prinivasulu Kurukuntla

Son of Venkataiah
has been admitted to the Degree of

Doctor of Philosophy

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

DEPARTMENT OF STUDY : PHYSICS

SUBJECT OF THE THESIS:

"Electron Paramagnetic Resonance and Optical Absorption Studies on certain

YEAR: 2013

Transition Metal and Rare Earth Ions in Sodium-Lead Borophosphate Glasses"

విశ్వపిద్యాలయ అధికార ముద్రతో జారీ చేయడమైంది. Given under the Seal of the University

తిరుపతి / Tirupati తేది / Date :

5 FEB 2013

ఉపకులపతి



శ్రీ వేంకటేశ్వర విశ్వవిద్యాలయం

ఫాకల్టీ ఆఫ్ సైన్స్ Maculty of Science

కె ఎ అజ్మత్

కె ఎ మునాఫ్స్ గారి కుమారుడు కు ఈ విశ్వపిద్యాలయం నుండి క్రింద సూచించిన విధంగా అతను పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్ణత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత పొందినట్లు ధృవీకరించడమైంది.

This is to certify that

K A Ajmath

Son of K A Munaff
has been admitted to the Degree of

Doctor of Philosophy

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

DEPARTMENT OF STUDY : MATHEMATICS

SUBJECT OF THE THESIS: "Identity Based Digital Signature Schemes with Special Properties using Bilinear Pairings

YEAR: 2013 over Elliptic Curves"

విశ్వపిద్యాలయ అధికార ముద్రతో జారీ చేయడమైంది. Siven under the Security

මීරාතම / Tirupati

8å 1 Date: = 2 SEP 2013



ఫాకల్టీ ఆఫ్ సైన్స్ Haculty of Science

టి చలపతి

టి నాగన్న గారి కుమారుడు కు ఈ విశ్వవిద్యాలయం నుండి క్రింద సూచించిన విధంగా అతను పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్హత హొందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత హొందినట్లు ధృవీకరించడమైంది.

This is to certify that T Chalapathi X

Son of T Naganna X has been admitted to the Degree of

Doctor of Philosophy

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

DEPARTMENT OF STUDY : MATHEMATICS

SUBJECT OF THE THESIS:

"Studies on enumeration methods of Triangles and Hamilton cycles in Cayley

YEAR: 2013

Graphs"

విశ్వపిద్యాలయ అధికార్త ముద్దుతో జారీ చేయడ్డమెంది. Siven under the Sell of the University Mud

ම්රාත්ම් / Tirupati

38 / Date: 19 MAR 2015

CC 051370

# C 051370 TECHNOLOGICAL UNIVERSITY ANALYANIA ANALYANI



ANANTAPUR - 515 002, ANDHRA PRADESH, INDIA

H T.No: 0900PH0805

Sudhi Madhu

No S Navasimhulu

having fulfilled the academic requirements in September, 2013 has this day been admitted by the Monitoring & Development Committee to the Degree of

> Doctor of Philosophy (Chemistry)

for the Thesis entitled, "SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL EVALUATION OF SOME HETEROCYCLIC COMPOUNDS"

Monday, 16 December, 2013.

Given under the Seal of the University

Director of Evaluation



2013	ஆம் ஆண்டில் <b>செ</b>	ത്തെല് ப	ഗക്തരെ	ககழகத்தி	ல் ஆய்வு நிகழ்த்தி
	வேட்டுக்காக மு	_			_யவர் என்று தக்க
தேர்வாளர்களால் க	சான்றளிக்கப்பட்டு	8	ஈரேஷ் (	<b>J</b> F	
என்பவருக்கு மு	னைவர் பட்டம் <sub>அவ</sub>	ரிக்கப்படுகிறது எ	ன்று சென்	னைப் பல்கை	லக்கழகப் பேரவை
அறிவிக்கிறது.					
சென்னைப் பல்கள ஏப்ரல்	லைக்கழக இலச்சினையும் திங்கள்30		ຎ	_து.	ஆம் ஆண்டு
	enate of the Unuresh S				kes known that
DEC	GREE OF DO	CTOR O	F PH	ILOSOI	PHY
	been certified by se in the year 201	_	exam	niners to b	e qualified to
Given under	the seal of the	e University 14	of N	ladras, at	Chennai this
	Thesis: "Adsorptio carbon: (Chemistr	prepared 110	m aqueou m curci	is solution uma angus	using activated tifolia scales"

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

TE MINISTER

பதிவாளர் Registrar



துணை வேந்தர் Vice-Chancellor



#### **ල් බ්රු**ඩ්ස්ත් වස්තුව ක්ර

ఫాకల్టీ ఆఫ్ సైన్స్ Haculty of Science

కొండూరు వెంకటేశ్వర రాజు కె క్రిష్ణమ రాజు గారి కుమారుడు కు ఈ విశ్వవిద్యాలయం నుండి క్రింద సూచించిన విధంగా అతను పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్ణత హిందినందుకు డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత పొందినట్లు ధృవీకరించడమైంది.

This is to certify that

Konduru Venkateswara Raju =

Son of K Krishnama Raju has been admitted to the Degree of

Poctor of Philosophy

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

DEPARTMENT OF STUDY : MATHEMATICS

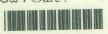
SUBJECT OF THE THESIS: "Unsteady Free and Forced Convection Heat and Mass Transfer Flows Past a Vertical

YEAR: 2014

Plate"

విశ్వవిద్యాలయ అధికార ముద్రతో జారీ చేయడమైంది. Siven under the Seal of the University

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**ල් බ්ර8**හිත්යර බත්යුඩ**ය**ුවරාර

ఫాకల్టీ ఆఫ్ సైన్స్ Maculty of Science

కె రమేష్ బాబు

కె మురళి మోహన్ గారి కుమారుడు కు

ఈ పిశ్వపిద్యాలయం నుండి క్రింద సూచించిన పిధంగా అతను పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్హత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత ఏందినట్లు ధృవీకరించడమైంది.

This is to certify that

K Ramesh Babu

Son of K Murali Mohan
has been admitted to the Degree of

Doctor of Philosophy

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

DEPARTMENT OF STUDY : MATHEMATICS

SUBJECT OF THE THESIS: "Eff

"Effect of Chemical Reaction on Mixed Convective Heat and Mass Transfer Flow in

YEAR: 2014

Channels/ Circular Ducts with Heat Sources"

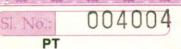
పిశ్వపిద్యాలయ అధికార ముద్ర తో జార్ చేయడమైంది. Siven under the Seal of the University

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38 1 Date: 3 1 AUG 2014

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ఉపకులపతి





**శ్రీ వేంకటేశ్వర విశ్వవిద్యాలయం** 

ఫాకల్టీ ఆఫ్ సైన్స్ Haculty of Science

శశికళ తమ్మిశెట్టి

ವನ್ನಮಲ್ಲಯ್ಯ ಟಿ ಗಾರಿ ಕುಮಾರ್ತ ಕು ఈ విశ్వవిద్యాలయం నుండి క్రింద సూచించిన విధంగా ఆమె పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్హత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత హొందినట్లు ధృవీకరించడమైంది.

This is to certify that

Sasikala Thammisetty

Daughter of Chennamallaiah T has been admitted to the Degree of

Pactor of Philosophy

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

DEPARTMENT OF STUDY : PHYSICS

SUBJECT OF THE THESIS:

"Studies on absorption and emission properties of singly doped Sm3+, Eu3+ and co-doped Dy3+ /Tm3+, Er3+/Ce3+,

YEAR: 2014

Tm<sup>3+</sup>/Tb<sup>3+</sup> ions in Tellurite Glasses"

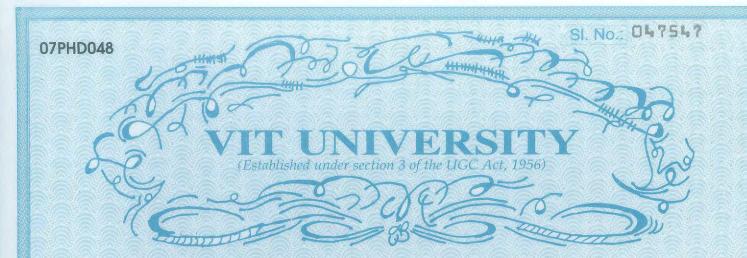
విశ్వవిద్యాలయ అధికార ముద్రతో జారీ చేయడమైంది.

the University Given under the Secu

ම්රා්ම / Tirupati

ತೆಪಿ 1 Date: = 1 MAR 2014

Vice - Chancellor





The Board of Management of the VIT University hereby confers on



**B PALAKSHI REDDY** 

the degree of

**DOCTOR OF PHILOSOPHY** 

in recognition of the research work entitled

SYNTHESIS AND STUDIES ON HANTZSCH, IMIDAZOLE AND BISPIDINE BASED HETEROCYCLES

and for having fulfilled the prescribed requirements in the

**School of Advanced Sciences** 

given this day the 06th September 2014



Given under the seal of this university

Vice - Chancellor

Chancellor

Dated: 06-Sep-2014

Vellore - 632 014, Tamíl Nadu, Indía





The Board of Management of the VIT University hereby confers on



**GANESH GADAMSETTY** 

the degree of

DOCTOR OF PHILOSOPHY

in recognition of the research work entitled

PHYTOCHEMICAL INVESTIGATIONS AND BIOACTIVITY STUDIES OF DRYPETES SEPIARIA AND MIMUSOPS ELENG! L.

and for having fulfilled the prescribed requirements in the

School of Advanced Sciences

given this day the 06th September 2014



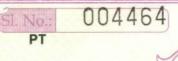
Given under the seal of this university

Vice - Chancellor

Chancellor

Dated: 06-Sep-2014

Vellore - 632 014, Tamil Nadu, India





శ్రీ వేంకటేశ్వర విశ్వవిద్యాలయం

ఫాకల్టీ ఆఫ్ సైన్స్ Haculty of Science

యం వెంకట శశీ కుమార్

శ్చీనివాసులు గారి కుమారుడు కు

ఈ పిశ్వపిద్యాలయం నుండి క్రింద సూచించిన పిధంగా అతను పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్హత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత హొందినట్లు ధృవీకరించడమైంది.

This is to certify that

M Venkata Sasi Kumar 🔻

Son of Sreenivasulu X has been admitted to the Degree of

Doctor of Philosophy

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

DEPARTMENT OF STUDY : PHYSICS

SUBJECT OF THE THESIS:

"THERMAL, OPTICAL AND PHOTOLUMINESCENCE" DOPED + OF LANTHANIDES **PROPERTIES** 

YEAR : 2014

MULTICOMPONENT BORATE GLASSES "\_\_

విశ్వవిద్వాలయ అధికార ముద్ర తో జారీ చేయడమైంది. Siven under the Seal of the University \_\_ Wind

26

ම්හ්නම් / Tirupati

ತೆದೆ / Date: 23 SEP 2014



ఫాకల్టీ ఆఫ్ సైన్స్ Haculty of Science

జయ ప్రకాష్ బి

మునీరత్నం బి గారి కుమారుడు కు

ఈ పిశ్వపిద్యాలయం నుండి క్రింద సూచించిన పిధంగా అతను పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్హత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత హిందినట్లు ధృవీకరించడమైంది.

This is to certify that

Jaya Prakash B

Son of Municathnam 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 at the Examinations prescribed therefor as hereunder:

DEPARTMENT OF STUDY : PHYSICS

SUBJECT OF THE THESIS: "Studies on Structural, Thermal, Electrical

and Magnetic Properties of certain

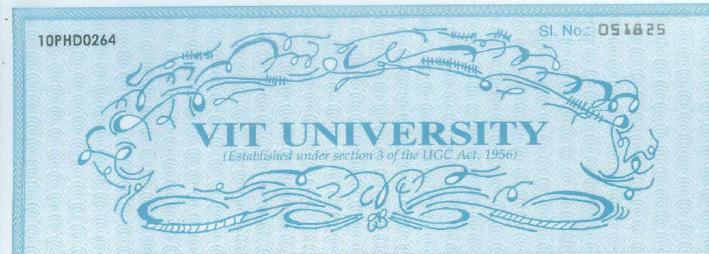
YEAR: 2014 Multiferroic Nanomaterials Synthesized by

Co-Precipitation Method"

విశ్వవిద్యాలయ అధికార ముద్రతో జారీ చేయడమైంది. Siven under the Sea of the University | Wind

తిరుపతి / Tirupati 22 FEB 2014 ತೆದಿ I Date :

ఉపక్కుల్లపతి Vice - Chancellor





The Board of Management of the VIT University hereby confers on



CHARLES LEKHYA PRIYA

the degree of

DOCTOR OF PHILOSOPHY

in recognition of the research work entitled

POSTPRANDIAL ANTIHYPERGLYCAEMIC AND ANTIOXIDANT ACTIVITIES OF SELECTED MEDICINAL PLANTS

and for having fulfilled the prescribed requirements in the

School of Bio Sciences and Technology

given this day the 19 May 2015



Given under the seal of this university

Vice - Chancellor

Chancellor

Dated: 08-Oct-2015

Vellore - 632 014, Tamil Nadu, India

Register Number RM09SH30



# क्ष्मिक्षात्वा व्याप्त स्वाप वृतीयविधमनुष्ट संस्कातात् । स्वाप वृत्याद संस्कात् । स्वाप वृत्याद संस्कातात् । स्वाप वृत्याद संस्वाप वृत्याद संस्कातात् । स्वाप वृत्याद संस्वाप वृत्याद संस्वाप संस्वाप

SRI CHANDRASEKHARENDRA SARASWATHI VISWA MAHAVIDYALAYA (University established under Section 3 of U.G.C. Act 1956)

#### डॉक्टर् ऑफ् फिलासँफी Doctor of Philosophy

श्रीचन्द्रशेखरेन्द्रसरस्वतीविश्वमहाविद्यालयस्य निर्वाहकसमितिः स्वीयेन मुद्राधिकारेण उद्घोषयति

#### के. राजेन्द्रन्

प्रबन्धम् **फास्ट् फ्रीक्वन्ट् सब्ग्राफ् मैनिङ् आन् ट्रान्साक्षनैरङ् ग्राफ् डेटा** नामानमुपस्थाप्य सेप्टेम्बर्-२०९५ तमे वर्षे गणितशास्त्रे डॉक्टर् ऑफ् फिलासँफी इत्युपाधिधारणे अधिकृतः/अधिकृता इति।

The Board of Management of Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya hereby makes known that

#### K.RAJENDRAN

has been duly 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 SEPTEMBER-2015 in MATHEMATICS for his/her thesis entitled "FAST FREQUENT SUBGRAPH MINING ON TRANSACTIONIZED GRAPH DATA".

Given under the seal of the University.

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

Date: 25.10.2015

C.No.: 151381

कुलसचिवः

एनातूर्, काञ्चीपुरम् - ६३१ ५६१, तमिलनाडु, इण्डिया. Enathur, Kanchipuram - 631 561, Tamil Nadu, India. ig sy bed augus

उप-कुलपतिः Vice-Chancellor Regd. No.C08MP047002(PD)

00149

P047002(PD)
AGARJUNA



#### FACULTY OF HUMANITIES

Mr./Ms. Pushpalatha S

D/o. Chandra Mouli K

has been duly admitted to the

# Degree of Doctor of Philosophy

n English

Given under the Seal of the University

Nagarjuna Nagar-522 510. A.P., India

Date: 6 FEB 2017



Wice-Chancellor



#### శ్రీ వేంకటేశ్వర విశ్వవిద్యాలయం

ఫాకల్టీ ఆఫ్ సైన్స్ Haculty of Science

డదమియ్య పి యం డి షేక్ 🗡

మొహమ్మద్ ఖాసిం గారి కుమారుడు కు ఈ విశ్వవిద్యాలయం నుండి క్రింద సూచించిన విధంగా ఆతను పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్హత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్నా ప్రదానానికి అర్హత పొందినట్లు ధృవీకరించడమైంది.

This is to certify that Dadamiah PMD Shaik 🖯

Son of Mohammad Khasim X has been admitted to the Degree of

Doctor of Philosophy

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

DEPARTMENT OF STUDY : PHYSICS

SUBJECT OF THE THESIS:

"Investigations on Nanocrystalline Bulk and Thin Film Mn<sub>3</sub>O<sub>4</sub> Electrodes For Supercapacitor

YEAR: 2016

Applications"

విశ్వవిద్యాలయ అధికార ముద్రతో జారీ చేయడమైంది. Given under the Secret the University

తిరుపతి / Tirupati

ತೆದಿ 1 Date 0 9 JAN 2017



ఫాకల్టీ ఆఫ్ సైన్స్ Haculty of Science

కుమారస్వామి నాయుడు కొల్ల

చెంగయ్య కె గారి కుమారుడు కు 🔨

ఈ విశ్వవిద్యాలయం నుండి క్రింద సూచించిన విధంగా అతను పట్టాకు నిర్దేశించిన పరీక్షలో ఉత్తీర్లత హిందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత పొందినట్లు ధృవీకరించడమైంది.

This is to certify that

Kumaraswamy Naidu Kolla

Son of Chengaiah K X
has been admitted to the Degree of

Doctor of Philosophy

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

DEPARTMENT OF STUDY : MATHEMATICS

SUBJECT OF THE THESIS: "A Study of some Non-Newtonian Fluid Flows

in Composite Ducts"

YEAR: 2016

విశ్వవిద్యాలయ అధికార ముద్ర లో జారీ చేయడమైంది. Siven under the Societ the University

తిరుపతి / Jirupati

ತೆದಿ 1 Date : 1

APR 2016

Am.

Reg. No.: 00409210004

Si. No. 00276

Srinivasavanam, Kuppam - 517425, Andhra Pradesh, India.

### Haculty of Arts

This is to Certify that

C Raghavendra Reddy

Son/Daughter of C Bheemappa
has been certified by duly appointed Examiners
to be qualified to receive the Degree of

### Pactor of Philosophy in English

and has been admitted to that Degree
with effect from 12-07-2016

DEPARTMENT OF STUDY

: ENGLISH

TITLE OF THE THESIS

: "A Thematic Study on the select poems of Nissim Ezekiel"

Siven under the seal of the University

Dated: 12-07-2016

INCHES DE LE COMPANION DE LA C



Vice-Chancellor

PC/ID NO

2011PHXF001G

# BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE PILANI (RAJASTHAN) INDIA PROVISIONAL CERTIFICATE

This is	to ce	rtify t	hat
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DAYANANDA D

has fulfilled the requirements of graduation and has become eligible for the award of the degree

Ph.D.

During SECOND SEMESTER 2015-2016

Thesis Title:

"Development of Simple Method for Preparation of Mesoporous Alumina Based Adsorbents and Their Application in Removal of Fluoride Ion from water."

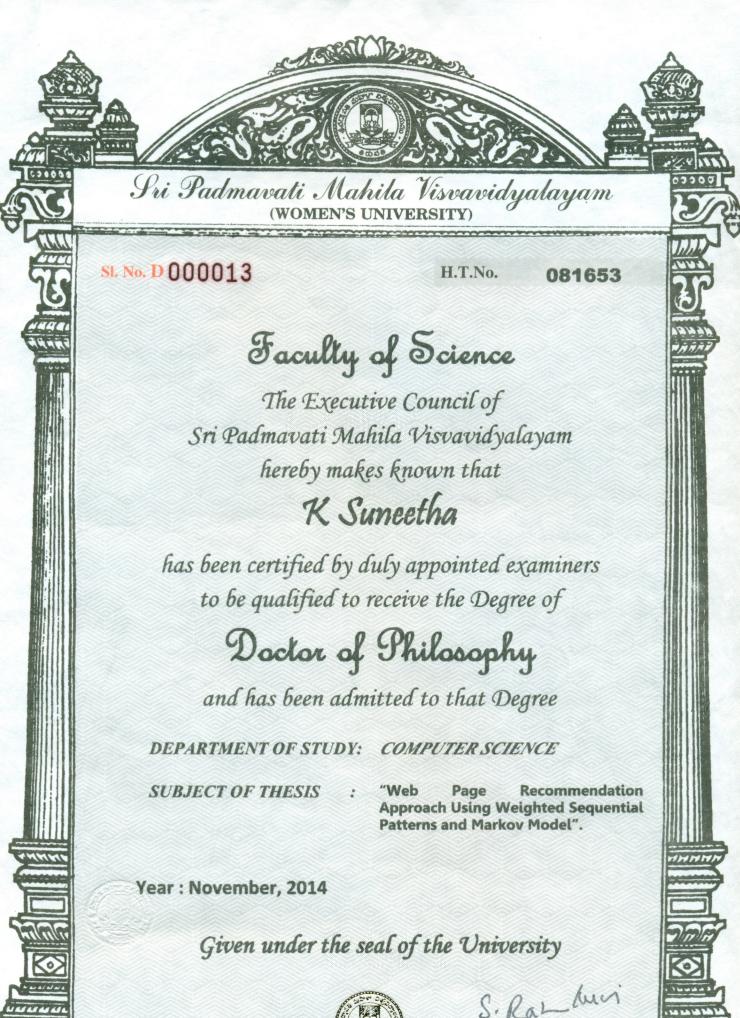
K. K. BIRLA

**PILANI** 

05 / 04 / 2016

Dated \_\_\_\_\_

REGISTRAR



Tirupati:

Date: 29.07.2015



S. Raldun Vice-Chancellor



Faculty of Science

This is to Certify that

A. Jyothi Babu. Son/Daughter of A. Bhaskara Naidu.

has been certified by duly appointed Examiners

to be qualified to receive the Degree of

Boxtor of Philosophy

and has been admitted to that Degree

Subject of the thesis "Inference on Frontier

Models through DEA

(An Operations Research
Approach)"

YEAR 1995.

Given under the Seal of the University

Tirupati Dated 8 OCT 1997 Vice-Chancellor



Year: May, 2015

Given under the seal of the University

Civupati : 29.07.2015



S. Rankucs Vice-Chancellor