

அண்ணாமலைப்

ANNAMALAI



பல்கலைக்கழகம்

UNIVERSITY



பொறியியற்புலம்

FACULTY OF ENGINEERING & TECHNOLOGY



00063701

செப்டம்பர், 2012 இல்

கட்டமைப்பும் பொறியியல்

பிரிவில் நடத்திய தேர்வுகளில்

பாலமுருகன் இரா

தேர்ச்சியடைந்து ஆய்வேடம் மதிப்பிட முறையாக அமைக்கப்பெற்ற தேர்வுக்குழுவினர் தயவுசெய்து

ஆய்வியல் அறிஞர்

பட்டம் பெறுவதற்கு உரியவர் ஆகின்றார்

என அண்ணாமலைப் பல்கலைக்கழக ஆளவை இதன்வழி அறிவிக்கின்றது.

The Senate of the ANNAMALAI UNIVERSITY hereby makes known that BALAMURUGAN R has been admitted to the Degree of DOCTOR OF PHILOSOPHY in STRUCTURAL ENGINEERING, he/she having been certified by duly appointed Board of Examiners who valued his/her thesis to be qualified to receive the same in SEPTEMBER, 2012.

TITLE OF THE THESIS

Disaster Management in Tsunami affected Portonova Beach

பல்கலைக்கழக முத்திரை பெறுகின்றது.  
Given under the seal of the University.

அண்ணாமலைநகர்  
Annamalainagar

நாள்:

Dated: 04/10/2012.

Dr. R. Menakshisundaram

பதிவாளர்

Registrar

Principal

A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM  
Narasaraopet (Mdl), Guntur (Dt)

Dr. M. Ramanathan

நுணை வேந்தர்

Vice-Chancellor

Principal

A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM  
Narasaraopet (Mdl), Guntur (Dt)

Reg. No. : PR09CE153



The Board of Management  
of  
Karunya University  
hereby makes known that

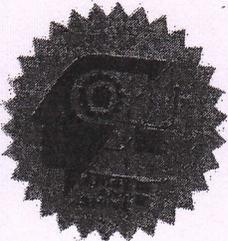
**ADAIKKALAKUMAR P**

has been admitted to the Degree of  
Doctor of Philosophy  
in  
**CIVIL ENGINEERING**  
Faculty of Engineering

having been certified by duly appointed examiners to be  
qualified to receive the same in February 2013

Title of the Thesis :

*Seismic Performance of Hybrid Concrete Steel Structures*



Given under the seal of the University

Dated: 16 July 2013

*Paul Shrinakaran*  
Chancellor

*James*  
Vice Chancellor

*Devi Prasanna*  
Registrar  
*Jully*  
Principal

*James*  
Principal

A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM.  
Narasaraopeta (Mdi), Guntur(Dt.)  
PETLURIVARI PALEM  
Narasaraopeta (Mdi), Guntur(Dt.)

201592

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR



ANANTAPUR - 515 002, ANDHRA PRADESH, INDIA

H.T.No: 0703PH0514

*Nallamaddi R. Maddi Reddy*

*Sho Appi Reddy N*

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

**Doctor of Philosophy**  
(Civil Engineering)

for the Thesis entitled,  
"DEVELOPMENT OF GENETIC ALGORITHMS BASED NEURAL NETWORKS MACRO-MECHANICAL MODEL FOR FIBRE REINFORCED HIGH-PERFORMANCE-CONCRETE"

Monday, 16 August, 2010.

Given under the Seal of the University

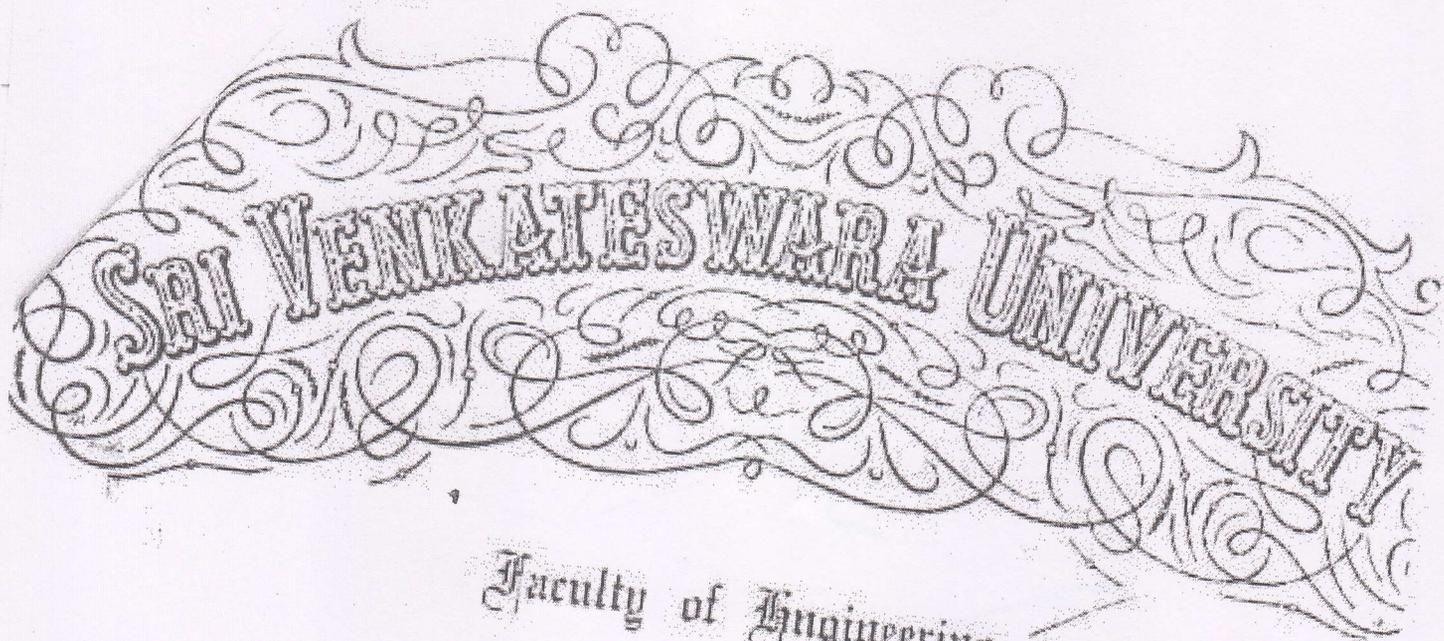
*[Signature]*  
Principal

A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM  
Narasaraopeta, AP, India

*[Signature]*  
Director of Evaluation

*[Signature]*  
Principal  
*[Signature]*  
Registrar  
A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM

*[Signature]*  
Vice Chancellor



Faculty of Engineering

This is to Certify that

M. Manalichriah

Son/Daughter of M. Chennaiah

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

SUBJECT OF THE THESIS

Civil Engineering /  
"Some Studies on the Use of Sulphur with Fly Ash and Sand Ash in Beach Sand-Asphalt Mixes for Pavements"

YEAR 1998

Principal

A.M REDDY MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY PETLURIVARI PALEM Narasaraopet (Mdl), Guntur(Dr

Principal

A.M REDDY MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY PETLURIVARI PALEM Narasaraopet (Mdl), Guntur(Dr



VIT

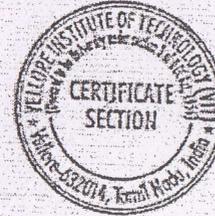
Vellore Institute of Technology

(Deemed to be University under section 3 of U.G.A. Act, 1956)

Sl.No.: 102906

Register No. 17PHD0011

PROVISIONAL CERTIFICATE



This is to certify that MANIKANTA D

has qualified for the degree of DOCTOR OF PHILOSOPHY

he / she having passed the above Degree Examination held in 27-May-2021

as follows :

School : School of Civil Engineering

Thesis Title : ASSESSMENT OF INDUSTRIAL BYPRODUCTS AS A LINER IN LANDFILL

DATE: 22-Jun-2021

VELLORE INSTITUTE OF TECHNOLOGY  
VELLORE - 532 014, TAMIL NADU, INDIA.

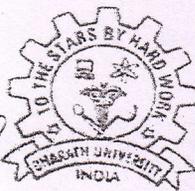
*M*  
CONTROLLER OF EXAMINATIONS

*[Signature]*  
Principal

A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM  
Narasaraopet (Mdi), Guntur, Dr

*[Signature]*  
Principal

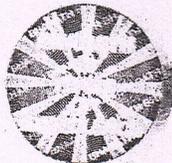
A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM  
Narasaraopet (Mdi), Guntur, Dr



பாரத பல்கலைக்கழகம்

# Bharath University

Bharath Institute of Higher Education and Research  
(Declared under section 3 of the UGC Act 1956)

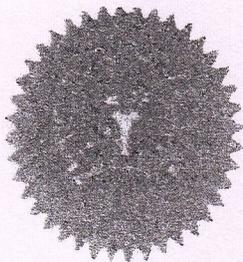


## FACULTY OF ENGINEERING

The board of management of the Bharath University here by makes known that RAJSELVAN Chorn on 22-JULY-1975 has been admitted to the DOCTOR OF PHILOSOPHY in ELECTRICAL AND ELECTRONICS, he/she having satisfactory completed the prescribed programme of study and having been certified by duly appointed examiner to have qualified to receive the same at the Examination held on JUNE 2015 with Registration Number D11EE004.

Thesis title:

A Novel Zone Division Approach for Power System Fault Detection Using ANN-Based Pattern Recognition Technique



Given under the Seal of the University

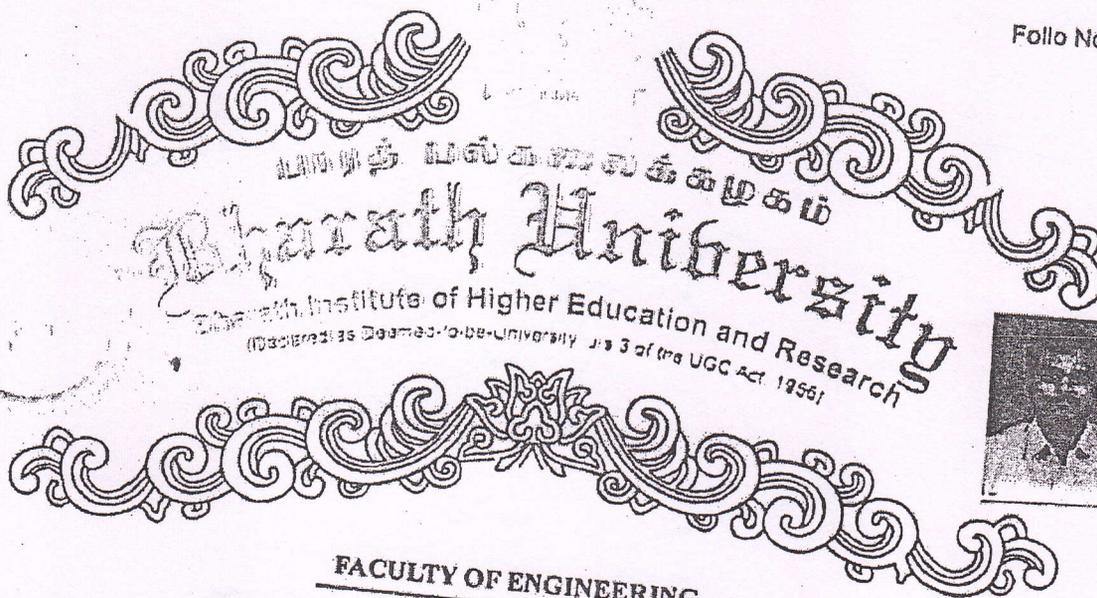
*[Signature]*

Principal

A.M REDDY MEMORIAL COLLEGE OF ENGINEERING  
P. T. ENGINEERING & TECHNOLOGY  
PEYLURIVARI PALEM  
Narasaraopet (Mdi), Guntur(Dt)

*[Signature]*

*[Signature]*  
VICE - CHANCELLOR



FACULTY OF ENGINEERING

The Board of Management of the Bharath University hereby makes known that **S SENTHILKUMAR** born on **04-Feb-1979** has been admitted to the Degree of **DOCTOR OF PHILOSOPHY** in **ELECTRICAL ENGINEERING**, he/she having satisfactorily completed the prescribed programme of study and having been certified by duly appointed examiners to have qualified to receive the same at the Examination held on **SEPTEMBER 2016** with Registration Number **D08EE004**.

Thesis Title :

Design and Implementation of PV Inverter based on Novel Soft Switching Current-Fed half-Bridge Front end Converter



Given under the Seal of the University.

DATE **05 NOV 2016**  
 173, Agaram Road,  
 Chennai-600 073  
 Tamil Nadu

*[Signature]*  
**A.M. REDDY** MEMORIAL COLLEGE OF  
 CONTROLLER OF ENGINEERING & TECHNOLOGY  
 EXAMINATIONS PETLURIVARI PALEM  
 Narasaraopet (Mdi), Guntur Dist.

*[Signature]*  
**Dr. V. KANAGASABAI**,  
 M.D., MBA (Hosp. Admin.),  
 VICE-CHANCELLOR

No. 129081



அண்ணாமலைப் பல்கலைக்கழகம்

ANNAMALAI UNIVERSITY



பொறியியற்புலம்

FACULTY OF ENGINEERING AND TECHNOLOGY

ஜூலை, 2016 இல்

குடிமுறை பணிப் பொறியியல்

பிரிவில் நடத்திய தேர்வுகளில்

ஹர்ஷ் கே

தேர்ச்சியடைந்து ஆய்வேட்டை மதிப்பிட முறையாக அமைக்கப்பெற்ற தேர்வுக்குழுவினர் சான்றளித்து, அய்யியல் அறிஞர்

பட்டம் பெறுவதற்கு உரியவர் ஆகின்றார்

என அண்ணாமலைப் பல்கலைக்கழக ஆட்சிக் குழு இதன்வழி அறிவிக்கின்றது.

The Syndicate of the ANNAMALAI UNIVERSITY hereby makes Known

that HARISH K has been admitted to the

Degree of DOCTOR OF PHILOSOPHY in CIVIL ENGINEERING

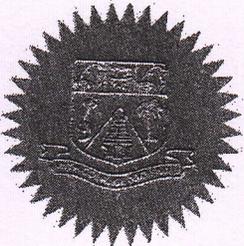
he/she having been certified by duly appointed Board of Examiners who valued

his/her thesis to be qualified to receive the same in JULY, 2016.

TITLE OF THE THESIS

A STUDY ON PROPERTIES & THERMAL RESISTIVITY OF GEO POLYMER  
CONCRETE FOR DIFFERENT CURING REGIMES.

பல்கலைக்கழக முத்திரை பெறுகின்றது  
Given under the seal of the University



அண்ணாமலைநகர்

Annamalai Nagar

நாள்:

Dated: 30/01/2017

Principal

A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM

Narasaraopet (M.d), Guntur, Or

துணை வேந்தர்

Vice-Chancellor

துணை தேர்வாளர் (கல்விசார்ந்த)

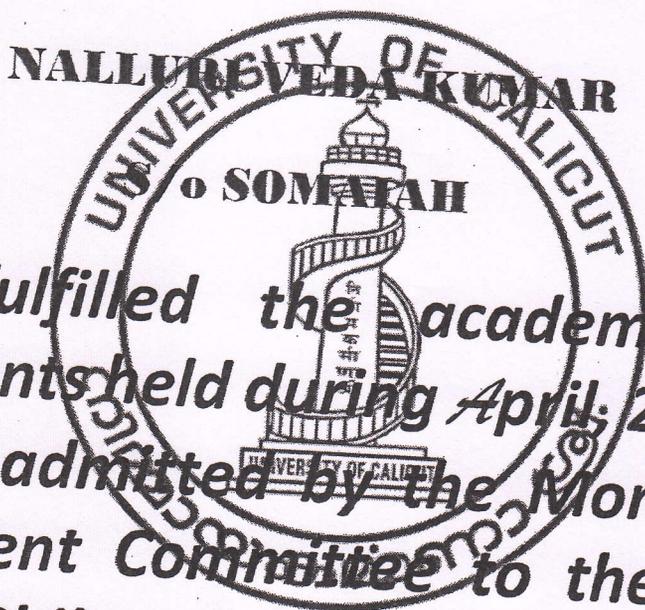
Dy. Controller of Examinations (Academic)

Principal

A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM  
Narasaraopet (M.d), Guntur, Or

# University of Calicut

## FACULTY OF ENGINEERING



Having fulfilled the academic research requirements held during April, 2018 has this day been admitted by the Monitoring and Development Committee to the Degree of Doctor of Philosophy

(ELECTRICAL AND ELECTRONICS ENGINEERING)

*Given under the seal of University*

UNIVERSITY OF CALICUT  
Pin-673635  
Date: 06-05-2018



*A. Zuberi*

VICE CHANCELLOR

*[Signature]*  
Principal

A.M REDDY MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM  
Narasaraopet (Mdl), Guntur (Dt)

*[Signature]*  
Principal

A.M REDDY MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM  
Narasaraopet (Mdl), Guntur (Dt)



# PONDICHERRY UNIVERSITY

KALAPET, PONDICHERRY - 605 014

## PROVISIONAL CERTIFICATE

REGISTER NO. 18622/13	FOLIO NO. 277017
--------------------------	---------------------



This is to certify that CH MALLIKARJUNA

has been conferred Ph.D. degree in MECHANICAL ENGINEERING on  
the topic "EXPERIMENTAL STUDY AND OPTIMIZATION OF PROCESS  
PARAMETERS ON WIRE ELECTRO DISCHARGE MACHINING (EDM)  
PROCESS".

by the Executive Council of this University in its meeting held on JUNE 2017

The degree will be awarded at the ensuing convocation of this University.

\*\*\* DOCTOR OF PHILOSOPHY \*\*\*

*[Signature]*

Registrar

PONDICHERRY UNIVERSITY  
KALAPET, PONDICHERRY  
Registrar

DATE: 21-06-2017



*[Signature]*

Principal

A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
LURIVARI PALEM

*[Signature]*

Principal

A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM

Narasaraopet (Md), Guntur (Dt)  
Narasaraopet (Md), Guntur (Dt)

Reg. No. 2011283761

# SATHYABAMA UNIVERSITY

(Established under section 3 UGC Act. 1956)

( A CHRISTIAN MINORITY INSTITUTION)

சத்யபாமா பல்கலைக்கழகம்

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

(கிறித்துவ சிறுபான்மையினர் கல்வி நிறுவனம்)

## FACULTY OF MECHANICAL ENGINEERING

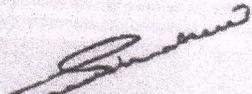


The Board of Management Of Sathyabama University, hereby makes known that  
VADIVEL.N.K has been conferred  
the DEGREE OF DOCTOR OF PHILOSOPHY, having been certified by duly appointed  
examiners to be qualified to receive the same on FEBRUARY 2015 for the thesis entitled

**STUDY & OPTIMIZATION JOINING OF TITANIUM ALLOY AND STAINLESS  
STEEL USING BRAZING TECHNIQUES.**

Given under the seal of the university, at chennai this TWENTY TWO day of  
December 2015

Given under the seal of the University

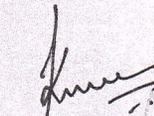
  
Registrar

  
Director

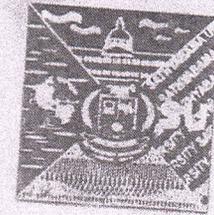
  
Director

  
Vice-Chancellor



  
Principal

A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM  
Narasaraopet (Mdl), Guntur Dt.



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

Date : Dec 22, 2015

  
Principal  
A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM  
Narasaraopet (Mdl), Guntur(Dt)

Disposal No. T(2)/8892/2019 Date 18/12/2020

12/G(18-06-2016) 30 Bks. each 100 Pages

# ANDHRA UNIVERSITY



Serial No. 1538



## PROVISIONAL CERTIFICATE

This is to Certify that Sri / Smt. / Kum. **KANDUNURI L.N. MURTHY**.....  
has qualified himself/herself for the Award of Doctor of Philosophy Degree by  
Research for the Thesis submitted by him / her entitled "**STUDIES ON REMOVAL  
OF CHROMIUM AND LEAD USING ALTERNANTHERA  
PUNGES AND GELIDIELLA ACEROSA POWDERS:  
OPTIMIZATION USING RESPONSE SURFACE  
METHODOLOGY (RSM)**"

and that he / she has done all that is necessary for the formal presentation for the Degree of  
Doctor of Philosophy in **CHEMICAL ENGINEERING**  
in the year 2020...

VISAKHAPATNAM

Dt. 31/12/2020

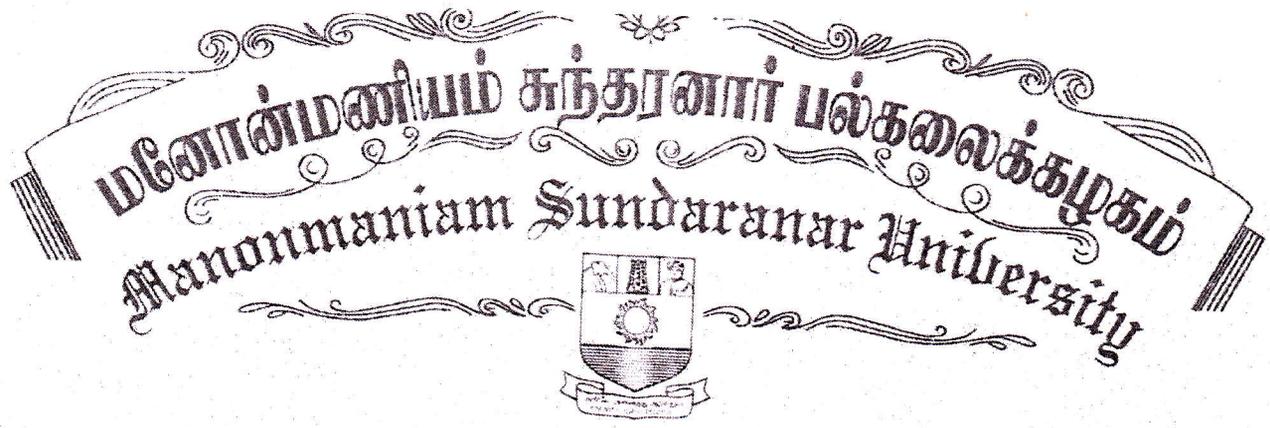
Initials of the Clerk who } Prepared : MS  
Examined : [Signature]

M. Haruna Dik  
DEPUTY REGISTRAR (ACADEMIC)

Principal  
A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETTURIVARI PALEM  
Narasaraopet (Mdi), Guntur(Dr)

Principal  
A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETTURIVARI PALEM  
Narasaraopet (Mdi), Guntur(Dr)

Andhra University Press, Visakhapatnam



பொறியியற் புலம்  
FACULTY OF ENGINEERING

மனோன்மனியம் சுந்தரனார் பல்கலைக்கழக ஆட்சிக்குழு  
கஜேந்திர குமார் வ

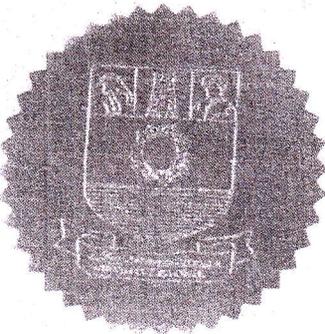
பயன்பாட்டு மின்னணுவியல் - கணினி அறிவியல் மற்றும் பொறியியல் (இணைவு) பாடப்பிரிவில்

அறிஞர் பட்டம் பெறுவதற்குத் தகுதியுடையவர் என முறையாக அமைக்கப்பெற்ற  
தேர்வினோர் சான்றளித்தவாறு பிப்ரவரி 2013 ஆம் ஆண்டில்

இப் பட்டப்பேற்றுக்கு உரியவர் ஆகின்றார் என இதன்வழி அறிவிக்கின்றது.

பல்கலைக்கழக முத்திரையுடன் இது வழங்கப்படுகின்றது.

The Syndicate of the MANONMANIAM SUNDARANAR UNIVERSITY  
hereby makes known that GAJENDRA KUMAR V  
has been admitted to the Degree of Doctor of Philosophy in  
APPLIED ELECTRONICS -COMPUTER SCIENCE AND ENGINEERING (INTERDISCIPLINARY)  
he /she having been certified by duly appointed Examiners to be qualified  
to receive the same in the year FEBRUARY 2013



Principal

A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY

திருநெல்வேலி, இந்தியா  
Tirunelveli, India

PETLURIVARI (P.A.P. Subbaraj)  
Narasaraopet (Midl), Guntur (Dr)

Given under the seal of the University.

Principal

A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI (P.A.P. Subbaraj)  
Narasaraopet (Midl), Guntur (Dr)



அண்ணாமலைப் பல்கலைக்கழகம்  
ANNAMALAI UNIVERSITY

Reg. No. : 005X02T13174



பொறியியற்புலம்  
FACULTY OF ENGINEERING & TECHNOLOGY

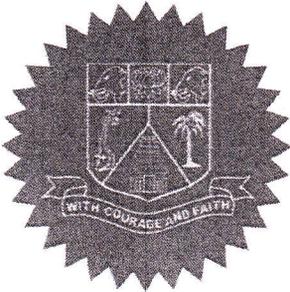
ஜூலை 2016 இல் மின்னணு மற்றும் தொடர்பியல் பிரிவில் நடத்திய தேர்வுகளில் வசந்த ஸ்வாமிநாதன். ச தேர்ச்சியடைந்து ஆய்வேட்டை மதிப்பிட முறையாக அமைக்கப்பெற்ற தேர்வுக்குழுவினர் சான்றளித்தபடி ஆய்வியல் அறிஞர் பட்டம் பெறுதற்கு உரியவர் ஆகின்றார் என அண்ணாமலைப் பல்கலைக்கழக ஆட்சிக்குழு இதன்வழி அறிவிக்கின்றது

*The Syndicate of the Annamalai University hereby makes known that VASANTHA SWAMINATHAN S has been admitted to the Degree of DOCTOR OF PHILOSOPHY in ELECTRONICS AND COMMUNICATION ENGINEERING he/she having been certified by duly appointed examiners Who Valued his/her thesis to be qualified to receive the same in JULY 2016 .*

*TITLE OF THE THESIS*

**NET FPGA IMPLEMENTATION OF ULTRA-LOW LATENCY TCP/IP FOR FINANCIAL TRADING SYSTEMS**

Given under the seal of the University



*[Signature]*  
Principal

A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY

Deputy Controller of Examinations (Academic)

துணை தேர்வாணையர் (கல்வி சார்ந்த)

*[Signature]*  
Principal  
A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM  
Narasaraopet (Md), Guntur(Dr)

Annamalai Nagar - 608002  
Dated :- 06/03/2017

# Karunya UNIVERSITY

(Karunya Institute of Technology and Sciences)

Declared as Deemed to be University under Sec. 3 of the UGC Act, 1956

KARUNYA NAGAR, COIMBATORE - 641 114, TAMILNADU, INDIA.



*The Board of Management  
of  
Karunya University  
hereby makes known that*

**JAYAKUMAR C**

*has been admitted to the Degree of  
Doctor of Philosophy  
in  
ELECTRONICS AND COMMUNICATION*

**Faculty of Engineering**

*having been certified by duly appointed examiners to be  
qualified to receive the same in January 2012*

*Title of the Thesis :*

***Multirate VLSI signal processing for embedded applications***

*Given under the seal of the University*

*Dated: 20 June 2012*



*Paul Shinkarad*  
Chancellor

*James*  
Principal

*James*  
Chancellor

**A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM**

*Deepthi*  
Principal

*Deepthi*  
Registrar

**A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM**

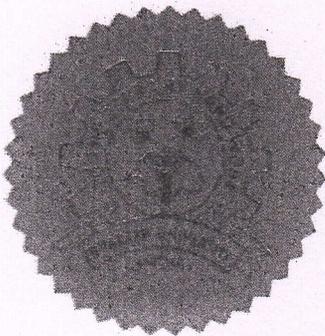


**FACULTY OF ENGINEERING**

The Board of Management of the Bharath University hereby makes known that **R SIVAKUMAR** born on **23-Jul-1978** has been admitted to the Degree of **DOCTOR OF PHILOSOPHY** in **ELECTRONICS AND COMMUNICATION**, he/she having satisfactorily completed the prescribed programme of study and having been certified by duly appointed examiners to have qualified to receive the same at the Examination held on **OCTOBER 2011** with Registration Number **D07EC019**

**Thesis Title :**

**Classification Problems Using Intelligent Algorithms.**



Given under the Seal of the University.

DATE **18 DEC 2011**  
 173, Agaram Road,  
 Chennai-600 073  
 Tamil Nadu

*[Signatures]*  
 Principal  
**A.M. REDDY MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY**  
**PETLURIVARI PALEM**  
 Narasaraopet (Md) Gunderampalle

*[Signature]*  
 Vice-Chancellor  
**A.M. REDDY MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY**  
**PETLURIVARI PALEM**  
 Narasaraopet (Md) Gunderampalle

*[Signature]*  
 Dr. M. PREMJEYAN  
 B. Sc., B. Tech., M. E., Ph. D.

Jagdishprasad Jhabarmal Tibrewala University, Jhunjhunu  
श्री जगदीशप्रसाद ज़ाबरमल टिबड़ेवाला विश्वविद्यालय, झुंझुनूं

(Enrollment No.)



## डॉक्टर ऑफ़ फिलॉसफी

प्रमाणित किया जाता है कि

श्री जगदीशप्रसाद ज़ाबरमल टिबड़ेवाला विश्वविद्यालय के

डॉक्टर ऑफ़ फिलॉसफी की उपाधि से वर्ष

**Science**

**Boorugu Chandrashekar**

**2019**

को इस

संकाय के अन्तर्गत

में विमूषित किया गया।

के शोध प्रबन्ध का विषय निम्नलिखित था :-

**LOUD INFRASTRUCTURE RESOURCE ALLOCATION AND SECURITY FOR BIG DATA APPLICATIONS USING ENHANCED BAT ALGORITHM**

## DOCTOR OF PHILOSOPHY

This is to certify that

Shri Boorugu Chandrashekar has been awarded the degree of Doctor of Philosophy in the faculty of Science in the year 2019.

**Boorugu Chandrashekar**

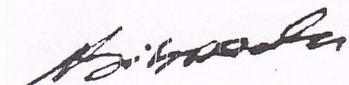
has

**Science**

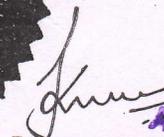
of this

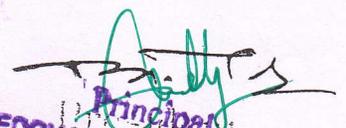
the title of his/ her thesis was:-

**LOUD INFRASTRUCTURE RESOURCE ALLOCATION AND SECURITY FOR BIG DATA APPLICATIONS USING ENHANCED BAT ALGORITHM**

  
Chairperson  
चेयरपर्सन



  
Principal

  
Principal

A.M REDDY MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM  
Narasaraopet (Md), Guntur (Dt)

Enrollment No. 12SRU/S1120

Registration No. SRU/Ph.D/June/2012/0105



# सनराईज विश्वविद्यालय, अलवर SunRise University, Alwar

Tehsil Ramgarh, District - Alwar (Rajasthan), INDIA

**विद्या वाचस्पति**

(संकाय **Engineering : Computer Science & Engineering**)

सनराईज विश्वविद्यालय की एकेडेमिक काउंसिल द्वारा यह पत्राणित किया जात है कि श्री/सुश्री/श्रीमती **K.N. Venkata Ratna Kumar** ने सनराईज विश्वविद्यालय से शोध प्रबन्ध अनुमोदन उपरान्त **विद्या वाचस्पति** की उपाधि प्राप्त की।

**शोध प्रबन्ध का विषय**

**"Impact of E-Commerce on Business Ethics"**

**Doctor of Philosophy**

(Faculty of **Engineering : Computer Science & Engineering**)

This is to certify by the Academic Council of SunRise University that Mr./Ms./Smt. **K.N. Venkata Ratna Kumar** obtained the Degree of **Doctor of Philosophy** after approval of the thesis.

**Title of Thesis**

**"Impact of E-Commerce on Business Ethics"**

Awarded under the seal & Signature of the SunRise University on year 2015



*R. Parikh*  
Registrar

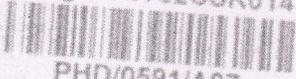
*[Signature]*  
President

Principal

Principal

A.M REDDY MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM  
Narasaraopet (Midi), Guntur Dt.

Redg No.: Y02CSR014



PHD/0591/A07

# ACHARYA NAGARJUNA UNIVERSITY అచార్య నాగార్జున విశ్వవిద్యాలయము



## FACULTY OF ENGINEERING

ఫాకల్టీ ఆఫ్ ఇంజనీరింగ్

This is to certify that  
భవీకరణ

Mr/Ms Gandhavalla Sambasiva Rao  
శ్రీ/శ్రీమతి/కుమారి

Son/Daughter of G Koteswara Rao  
కుమారుడు/కుమార్తె

has been duly admitted to the Degree of **Doctor of Philosophy**  
బి.ఎస్.సి. పట్టాపై పట్టాప్రదానానికి అర్హత పొందినందున

of this University he/she having been declared to have passed the examination prescribed therefor as follows :

ఈ విశ్వవిద్యాలయం నుంచి కింద నూరించిన విధంగా అతడు/ఆమె పట్టాపై నిర్దేశించిన పరీక్షలో ఉత్తీర్ణత పొందినట్లు ప్రకటించబడింది:

Subjects అభ్యసించిన అంశాలు	Month & Year of Passing ఉత్తీర్ణత పొందిన నెల, సంవత్సరం	Class Awarded పొందిన గ్రేడ్
Computer Science Engineering	April-2007	Qualified

Given under the Seal of the University  
విశ్వవిద్యాలయ అధికార ముద్రలో జారీచేయబడినది.

Nagarjuna Nagar, Andhra Pradesh, India  
నాగార్జున నగరం, ఆంధ్రప్రదేశ్, భారతదేశము.

Principal

Principal  
A.M. REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM  
Narasaraopet (Mdi), Guntur, Dr

Date: 21/08/2007

A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM  
Narasaraopet (Mdi), Guntur, Dr

Registration No. 1130/06

Serial No. SUCS120

# Singhania University



Faculty of Engineering

This is to certify that Moulali Sk

son / daughter of Ibrahim Shaik

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 Computer Science & Engineering

The title of the thesis is An Effective Management of Big Data from a Vision of Data Mining

the candidate has been declared, qualified for the award of the Degree of Ph. D. on 2010

*[Signature]*  
Principal

*[Signature]*  
Principal

A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETTURIVARI PALEM  
Narasaraopet (Md), Guntur(Dr)

Bacheri bari, Jhunjhuma

A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETTURIVARI PALEM  
Narasaraopet (Md), Guntur(Dr)

*[Signature]*  
Singhania

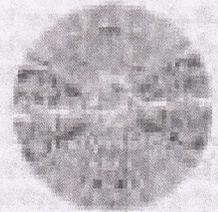
Vice-Chancellor

Date 12.7 MAR 2010



# सनराईज विश्वविद्यालय, अलवर SunRise University, Alwar

Tehsil Ranagrh, District - Alwar (Rajasthan), INDIA



## विद्या - वाचस्पति

(संस्कृत में इंजीनियरिंग, सामान्य विज्ञान & इंजीनियरिंग )

सनराईज विश्वविद्यालय की एकेडमिक काउंसिल द्वारा यह प्रमाणित किया जाता है कि  
श्री/श्री/श्रीमती **Yeetha Ravi Kumar** ने

सनराईज विश्वविद्यालय से शोध प्रबन्ध अनुमोदन के तहत विद्या वाचस्पति की उपाधि प्राप्त की

### शोध प्रबन्ध का विषय

**"Updates and Modes of Current Networking System  
Used Under Latest Advance"**

## Department of Philosophy

(Faculty of Engineering, Computer Science & Engineering )

This is to certify by the Academic Council of SunRise University that  
Mr./Ms./Smt. **Yeetha Ravi Kumar**

obtained the Degree of **Doctor of Philosophy** after approval of the thesis:

### Title of Thesis

**"Updates and Modes of Current Networking System  
Used Under Latest Advance"**

Awarded under the seal & signature of the SunRise University on year 2016

कुल सचिव  
Registrar

Principal



कुलपति  
Principal  
Chancellor

A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM  
Narasaraopet (Mdl), Guntur (Dt)

A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM  
Narasaraopet (Mdl), Guntur (Dt)



அண்ணாமலைப்



பல்கலைக்கழகம்

ANNAMALAI

UNIVERSITY



பொறியியற்புலம்

FACULTY OF ENGINEERING & TECHNOLOGY

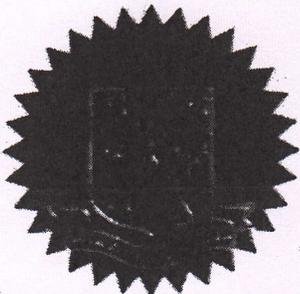
மார்ச் 2017 இல் கணினி அறிவியல் பொறியியல் பிரிவில்  
நடத்திய தேர்வுகளில் வெங்கடரமணா.கி தேர்ச்சியடந்து  
ஆய்வேட்டை மதிப்பிட முறையாக அமைக்கப்பெற்ற தேர்வுக்குழுவினர் சான்றிதழை  
ஆய்வியல் அறிஞர் பட்டம் பெறுதற்கு உரியவர் ஆகின்றார்  
என அண்ணாமலைப் பல்கலைக்கழக ஆட்சிக்குழு இதன்வழி அறிவிக்கின்றது

The Syndicate of the Annamalai University hereby makes known  
that VENKATARAMANA K has been admitted to the  
Degree of DOCTOR OF PHILOSOPHY in COMPUTER SCIENCE AND ENGINEERING  
he/she having been certified by duly appointed examiners who valued  
his/her thesis to be qualified to receive the same in MARCH 2017.

TITLE OF THE THESIS

ENHANCED QOS IN MANETS USING ANALYSIS OF CHANNEL AWARE-AOMDV ROUTING  
PROTOCOL TO SECURE AND RELIABLE MULTIHOP WIRELESS NETWORK

Given under the seal of the University



*[Signature]*

Principal

A.M. REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM

Dr. S. Senthilvelu

துணை தேர்வாளர் (அகாடமி)

Dy. Controller of Examinations (Academic)

*[Signature]*

Dr. S. Manian

துணைவேந்தர்

Vice-Chancellor

Annamalai Nagar - 608002

Dated :- 22/12/2017

A.M. REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM



பொறியியற் புலம்  
**FACULTY OF ENGINEERING**

மனோமனியம் சுந்தரனார் பல்கலைக்கழக ஆட்சிக்குழு  
 கல்யாண சக்ரவர்த்தி அ  
 கனிவி இயல் மற்றும் பொறியியல் பாடப் பிரிவில்

அறிஞர் பட்டம் பெறுவதற்குத் தகுதியுடையவர் என முறையாக அமைக்கப்பெற்ற  
 தேர்வினோர் என்றவித்தவாறு ஜூலை 2021 ஆம் ஆண்டில்  
 இப் பட்டப்பெற்றுக்கு உரியவர் ஆகின்றார் என இதன்வழி அறிவிக்கின்றது

பல்கலைக்கழக முத்தியாய்ஸ் இது வழங்கப்படுகின்றது

The Syndicate of the **MANONMANIAM SUNDARANAR UNIVERSITY**  
 hereby makes known that **KALYAN CHAKRAVARTHI A**  
 has been admitted to the degree of **Doctor of Philosophy In**  
**COMPUTER SCIENCE AND ENGINEERING**  
 he/she having been certified by duly appointed Examiners to be qualified  
 to receive the same in the year **JULY 2021**

*[Signature]*  
 Principal

A.M REDDY MEMORIAL COLLEGE OF  
**ENGINEERING & TECHNOLOGY**  
 P. GOVINDARAJU PALEM

*[Signature]*  
 Principal

A.M REDDY MEMORIAL COLLEGE OF  
**ENGINEERING & TECHNOLOGY**  
 (Dr.P. Govindaraju) (Dr.A.K.Kumaroguru)  
 P. GOVINDARAJU PALEM  
 பதிவாளர் (Registrar)  
 பதிவாளர் (Registrar)

*[Signature]*  
 (Dr.S.Prabakar)  
 தேர்வுகணையர்

Controller of Examinations

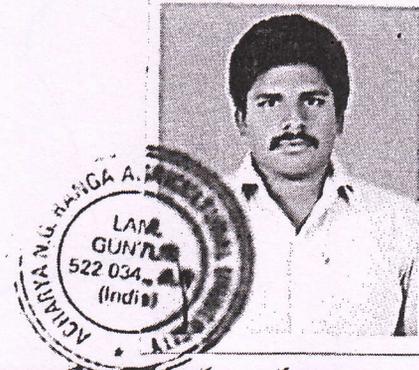
திருநெல்வேலி, இந்தியா  
 Tirunelveli, India

திகதி, Dated 22-12-2021

**Acharya N.G. Ranga Agricultural University**  
 (FORMERLY ANDHRA PRADESH AGRICULTURAL UNIVERSITY)  
 Estd. 1964

S. No. D00132

I. D. No. BEP/2013-01



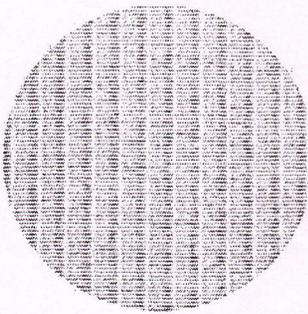
**Faculty of Agricultural Engineering & Technology**

This is to certify that *Ananda Babu Dara*  
 son / daughter of Smt. *Padma*  
 and Sri *Pedamalyadri*  
 having completed the graduation requirements for the Degree of  
**Doctor of Philosophy**  
 in the major field of *Farm Machinery & Power Engineering*  
 of this University during *June, 2018* is hereby admitted to  
 the said Degree at the *Fifty Second* Convocation.

**Given under the Seal of the University**

Lam, GUNTUR, A.P. India  
 (Formerly at Rajendranagar,  
 Hyderabad)

Date : 8 JUN 2022



*Phama Rao*  
 Dean - P. G. Studies

*[Signature]*  
 Principal

*[Signature]*  
 Registrar  
 A.M REDDY MEMORIAL COLLEGE OF  
 ENGINEERING & TECHNOLOGY  
 PETLURU, GUNTUR DISTRICT, ANDHRA PRADESH  
 Narasaraopeta, Guntur, Dr. PALEM  
 Guntur, Dr.

Sl. No. 003445  
PT



శ్రీ వేంకటేశ్వర విశ్వవిద్యాలయం

పాకల్ ఆన్ సైన్స్  
Faculty of Science

భాస్కర రెడ్డి గునుపాటి

తీరిపాల రెడ్డి గారి కుమారుడు కు

ఈ విశ్వవిద్యాలయం నుండి క్రింద సూచించిన విధంగా అతను పట్టాకు  
నర్తించిన పరీక్షలో ఉత్తీర్ణత వొందినందుకు

డాక్టర్ ఆఫ్ ఫిలాసఫి

పట్టా ప్రదానానికి అర్హత వొందినట్లు ధృవీకరించడమైంది.

*This is to certify that*

*Bhaskara Reddy Gunupati*

*Son of Thiripala 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 : MATHEMATICS

SUBJECT OF THE THESIS : "Some Hydrodynamic and Hydromagnetic  
Flows between Porous or Non-Porous Disks"

YEAR : 2013

విశ్వవిద్యాలయ అధికార ముద్రతో జారీ చేయడమైంది.

Given under the



Principal  
Bhaskara Reddy Memorial College of  
Engineering & Technology  
Petturivari Palem  
Guntur (Dt.)  
Vice-Chancellor

తిరుపతి / Tirupati

తేదీ / Date : 20 FEB 2013





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

2010

ஆம் ஆண்டில் சென்னைப் பல்கலைக்கழகத்தில் ஆய்வு நிகழ்த்தி

வழங்கிய ஆய்வேட்டுக்காக முனைவர் பட்டம் பெறத் தகுதியுடையவர் என்று தக்க  
தேர்வாளர்களால் சான்றளிக்கப்பட்டு அருண் பாலாஜி ரா

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*  
ARUNBALAJI 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 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

"Molecular Conformational Studies on Some  
Anticonvulsant Drugs" (Physics)

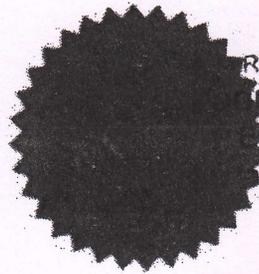


*K. Srinivasan*  
Principal

REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM

Narasaraopet (Mdl), Guntur District  
குந்தூர்  
Vice-Chancellor

பதிவாளர்  
Registrar



*S. Srinivasan*  
Principal

A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM  
Narasaraopet (Mdl), Guntur District



विश्वेश्वरय्या राष्ट्रीय प्रौद्योगिकी संस्थान  
नागपुर (भारत)

नल्लन चक्रवर्थूला रामगोपाल

को एतद् द्वारा अभिषद की अनुशंसा पर आज गुरुवार दि. 15 सितंबर 2016 को  
संस्थान की मुद्रांकित  
आचार्य

उपाधि प्रदान करता है।

इन्होंने विनियमों के अंतर्गत विहित आवश्यकताओं को अप्रैल 2016 में पूर्ण किया एवं  
अपने शोधप्रबंध का सफलतापूर्वक पक्षपोषण किया।

**VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY  
NAGPUR (INDIA)**

upon recommendation of the Senate hereby confers the degree of  
**Doctor of Philosophy**  
on

**Nallan Chakravarthula Ram Gopal**

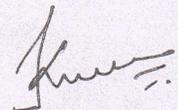
who has fulfilled the requirements as prescribed  
under the regulations and has successfully defended  
the thesis in April 2016 titled

**"Some Unidirectional Steady Flows of Two Immiscible Fluids  
through a Circular Pipe"**

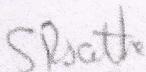
Given this day, Thursday 15 September 2016

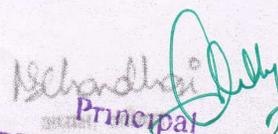
Given under the Seal of the Institute.



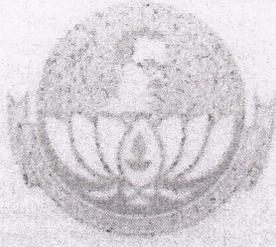
  
Principal

A. M. REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM  
Narasaraopet (Mdl), Guntur (Dt)

  
REGISTRAR

  
CHAIRMAN, BOARD OF GOVERNORS

A. M. REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM  
Narasaraopet (Mdl), Guntur (Dt)



Code No. 00800-5-96-68960

# பாரதிதாசன் பல்கலைக்கழகம் BHARATHIDASAN UNIVERSITY

Re-accredited with 'A' Grade by NAAC

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

## அறிவியல் புலம் FACULTY OF SCIENCE

பாரதிதாசன் பல்கலைக்கழக ஆட்சிக் குழு பிப்ரவரி 2018

ஆம் ஆண்டு ம. சத்தியசீலன் 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. SATHIYASEELAN 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 FEBRUARY 2018.

Thesis Title

"SYNTHESIS OF INDOLOQUINOLINE AND ACRIDINE ALKALOIDS THROUGH ECO-FRIENDLY METHODOLOGIES"

Given under the seal of the University.

Principal

A. M. REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM

*(Signature)*  
Principal

A. M. REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM  
Narasaraopet (Mdl), Guntur Dt

Principal Vice-Chancellor



L 016493

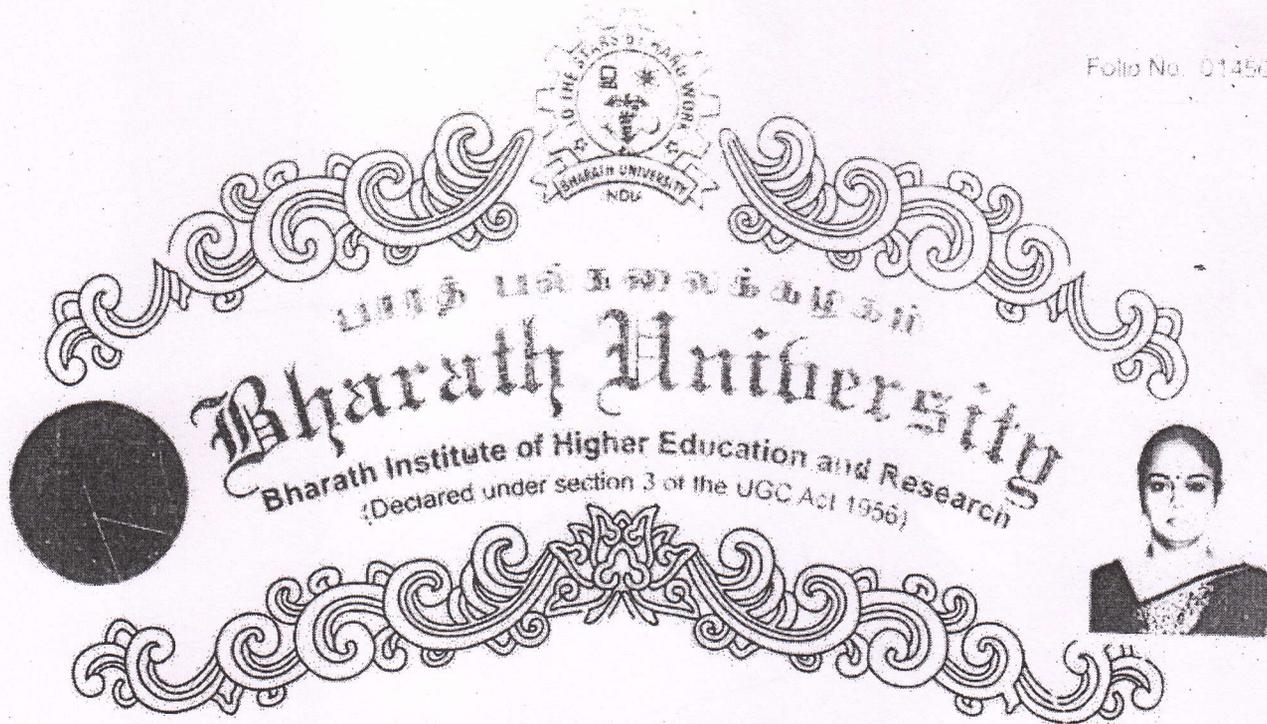
தமிழ்நாடு  
திருச்சிராப்பள்ளி

நாள்:  
Date:

21st February 2018

ISSUED ON:

21-02-2018

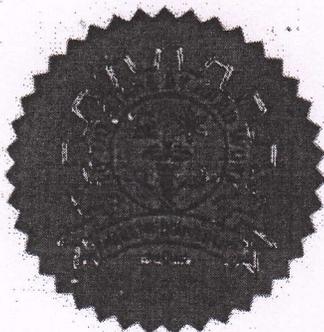


**FACULTY OF SCIENCE & HUMANITIES**

The Board of Management of the Bharath University hereby makes known that N RAMYA born on 01-Jul-1980 has been admitted to the Degree of DOCTOR OF PHILOSOPHY in MATHEMATICS, he/she having satisfactorily completed the prescribed programme of study and having been certified by duly appointed examiners to have qualified to receive the same at the Examination held on MARCH 2014 with Registration Number D09HS004

**Thesis Title :**

A Study on Coloring, Magic labeling and Prime Labeling of some Graphs.



*[Signature]*  
Principal

Given under the Seal of the University  
M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM  
Narasaraopet (Mdl), Guntur, Dr

DATE 31 JAN 2015  
173, Agaram Road,  
Chennai-600 073  
Tamil Nadu

*[Signature]*  
Principal  
M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM  
Narasaraopet (Mdl), Guntur, Dr

*[Signature]*  
REGISTRAR

VICE-CHANCELLOR

Dr. M. PRASAD YAKUMAR  
B.Sc., B.Tech., M.E., Ph.D.

Dr. V. KANAGASABAI,  
M.D., MBA. (Hosp. Admin.),

Dr. M. PONNAVAIKK  
B.E., M.Sc. (Engg.), Ph.D



# Annamalai University



Register No. 1601070039

## PROVISIONAL CERTIFICATE - Ph.D

This is to certify that **RAMESH S**  
has qualified himself / herself for the award of the Degree of Doctor of Philosophy in  
**ENGLISH**  
on **22/01/2021** and he/she having been certified by duly appointed examiners and approved  
by the Syndicate of the University.

### TITLE OF THE THESIS

**"DREAM AND REALITY: A CRITICAL STUDY OF THE SELECT PLAYS OF ARTHUR MILLER"**

**"The award of the Degree is in accordance with the provisions of the UGC Regulations, 2016"**

Annamalainagar - 608 002

Date : **16/02/2021**



*[Signature]*  
Principal

*[Signature]*  
A. REDDY MEMORIAL COLLEGE  
Controller of Examinations  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM  
Narasaraopet (Mdl), Guntur, Dt

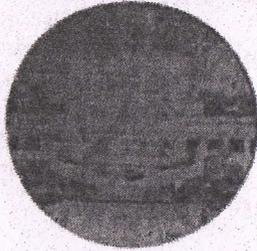
EDDY MEMORIAL COLLEGE  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM  
Narasaraopet (Mdl), Guntur, Dt



# Annamalai



# University



Register No. **1216060017**

## PROVISIONAL CERTIFICATE - Ph.D

This is to certify that **ARUNACHALAM A** has  
 qualified himself/herself for the award of the Degree of  
 Doctor of Philosophy in **PHYSICS** on  
**24/10/2016** and he/she having been certified by duly appointed  
 examiners and approved by the Syndicate of the University.

### TITLE OF THE THESIS:

**PREPARATION AND CHARACTERIZATION OF PURE AND DOPED TiO<sub>2</sub>  
 THIN FILMS USING SPRAY PYROLYSIS AND ITS APPLICATIONS IN DYE  
 SENSITIZED SOLAR CELLS AND ANTIBACTERIAL ACTIVITY.**

Annamalainagar - 608 002

Date: **19/11/2016**



*[Signature]*  
Principal

*[Signature]*  
Principal

REDDY MEMORIAL COLLEGE  
 ENGINEERING & TECHNOLOGY  
 PETLURIVARI PALEM  
 Narasaraopet (Mdl), Guntur(Dt.)

A.M REDDY MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY  
 Controller of Examinations  
**PETLURIVARI PALEM**  
 Narasaraopet (Mdl), Guntur(Dt.)



# GOVERNMENT OF ANDHRA PRADESH

## STATE ELIGIBILITY TEST FOR ASSISTANT PROFESSOR / LECTURER

Conducted by

# Andhra University

Visakhapatnam-530003.

Re-Accredited with 'A' Grade by NAAC with 3.60 out of 4 scale  
G.O.Ms.No. 47/Higher Education (CE) Department dt.: 02-12-2015.

UGC Letter No. F.7-10/2012 (NET/SET) dt.: 27-06-2019.

(Valid in the State of Andhra Pradesh only)



APSET Ref No.: APSLET/7582/2019 H.T. No.: 030501942

Certified that Nagam Anjineyulu

Son/Daughter of Nagam Basavapunnaiah (Father) and

Nagam Venkata Ratnam (Mother) has qualified in

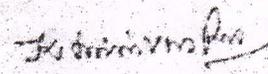
Andhra Pradesh State Eligibility Test (APSET-2019) for Assistant

Professor / Lecturer held on 20th October, 2019 in the Subject

COMPUTER SCIENCE & APPLICATION under the

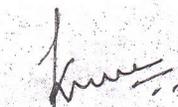
Category GENERAL-EWS

The validity of the certificate is forever.

  
Member Secretary  
APSET

  
Chairman  
APSET

Date of Issue: 30th December, 2019

  
Principal

A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY

A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM

  
Principal

Note: Andhra University, Visakhapatnam issued the certificate on behalf of Government of Andhra Pradesh & UGC, New Delhi on the basis of information provided by the candidate in his/her application form. The appointing authority should also verify the original records/certificates of the candidate while considering him/her for appointment.

The candidate must complete UGC specified Master's Degree within Two years from the date of conduct of APSET Examination, if not completed already.