

REG NO: 75405001



*Faculty of Engineering and Technology*

The Board of Management of the SRA University

hereby makes known that

HARIKRISHNA KAMATHAM

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 FEBRUARY - 2013

Title of the Thesis: **DESIGN & IMPLEMENTATION OF EFFICIENT FFT ALGORITHM FOR OFDM BASED COMMUNICATION SYSTEMS (TELECOMMUNICATION ENGINEERING)**

Given under the seal of the University



DATE: 09-FEB-2014

SRM NAGAR, KATTANKULATHUR - 603 203  
KALASHEKURAM (EST) & TAMBRANAI, INDIA

*N. Suresh*  
REGISTRAR

*G. S. Suresh*  
VICE-CHANCELLOR

PRINCIPAL  
AVN Institute of Engineering & Technology  
Mangalpet (V) Patelguda (M)  
Ibrahimpattanam (M) R.R. Dist., T.S.

बुन्देलखण्ड विश्वविद्यालय  
BUNDELKHAND UNIVERSITY



Doctor of Philosophy


This is to certify that BHALUDRA R. NADH SINGH  
has been admitted to the Degree of **Doctor of Philosophy**  
in COMPUTER SCIENCE & ENGG. in this University in 2007

The subject on which he/she presented a Thesis for the Degree was

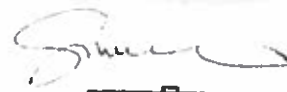
DEVELOPMENT OF ABP TOOL FOR WEB

APPLICATION IN BY PASS TESTING

बुन्देलखण्ड विश्वविद्यालय, झाँसी  
9 FEB 2008  
Bundelkhand University,  
JHANSI

  
कुलपति  
Vice-Chancellor

Writer  Checker  Checker   
Date 11/1/08

  
कुलसचिव  
Registrar

PRINCIPAL  
AVN Institute of Engineering & Technology  
Mangalpally (V) Patelguda (M)  
Ibrahimpattam (M) R.R. Dist., T.S.

# GONDWANA UNIVERSITY GADCHIROLI

गोंडवाना विद्यापीठ गडचिरोली

M. I. D. C. Road Complex, Gadchiroli - 442 605 (Maharashtra)

Established by Government of Maharashtra by Notification No. MISC-2007/322/07 UMI-4 dated the 27th of September 2011  
and a State University by provisionally governed by Maharashtra Universities Act, 1994

033569



## Doctor of Philosophy

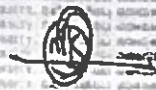
( Faculty of Science & Technology )  
( विज्ञान व तंत्रज्ञान आचार्य )

*This is to certify that*  
*Mr. Pravin Ramdas Kshirsagar* *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 Electronics Engineering in the Faculty of*  
*Science & Technology for the Thesis entitled*

*"Prediction of Chaotic Behaviour In Biomedical Signals Using Soft Computing Techniques."*

*The Candidate has been declared for the award of the*  
*Degree of Ph. D. in the year 2018*

Gadchiroli: 31<sup>st</sup> March, 2018



Vice-Chancellor

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR

ANANTHAPURAMU - 515 002, ANDHRA PRADESH, INDIA

CC 033879

H.T.No:11PH0304

Aadhaar No:424912338570



*A Venkata Hari Babu*

*No. Pedda Ankaiah  
&  
Vengamma*

*having fulfilled the academic requirements in December, 2018 has this day*

*been admitted by the Executive Council to the Degree of*

**\*\*\* Doctor of Philosophy \*\*\***  
(Mechanical Engineering)

for the Thesis entitled,

**"DESIGN & ANALYSIS OF DOUBLE AXLE CROWN AND PINION OF THE DIFFERENTIAL GEAR BOX BY VARYING SPIRAL ANGLE"**

Date of Viva Voce : 31.12.2018 Given under the Seal of the University

Wednesday, 27 February, 2019.



*[Signature]*

DIRECTOR OF EVALUATION

*[Signature]*

REGISTRAR

*[Signature]*

VICE CHANCELLOR

**PRINCIPAL**

AVN Institute of Engineering & Technology  
Mangalpally (V) Patelguda (MF),  
Ibrahimpattam (M) R.R. Dist., T.S.

Scanned with CamScanner

A54326

Regd No. : 1260209403

Aadhar No.: 433978562704



# GANDHI INSTITUTE OF TECHNOLOGY AND MANAGEMENT



**GITAM**  
**DEEMED UNIVERSITY**  
(Estd. u/s 3 of the UGC Act, 1956)

## FACULTY OF ENGINEERING

This is to certify that

**Kasi Rekha**

has been duly admitted to the

**Degree of Doctor of Philosophy**

in

**Civil Engineering**


in this University, he/she having been declared to have passed  
the examination prescribed therefor held in **July, 2017**


Given under the seal of the University

Visakhapatnam

07th November, 2017



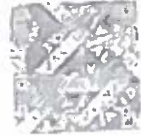
  
Vice Chancellor

  
PRINCIPAL  
AVN Institute of Engineering & Technology  
Mangalagiri (V), Rajahmundry (M),  
Ibrahimpattanam (M) R.R. Dist., T.S.

Sl. No. 00482



# Sri Krishnadevaraya University



## Faculty of Science

Reg. No. -----

Sri Krishnadevaraya University hereby confers the Degree of  
**Doctor of Philosophy**

on K. Bharathi

Son / Daughter of K. Varadachar

in recognition for his/ her research work on

**CONVECTIVE HEAT AND MASS TRANSFER THROUGH A POROUS MEDIUM IN CHANNELS/PIPES  
WITH RADIATION AND SORET EFFECTS**

in the Department of Mathematics

he / she having been found duly qualified for the same in 28-04-2008

28<sup>th</sup> April 2008

Given under the seal of the University



S. V. PURAM  
ANANTAPUR - 515003,  
ANDHRA PRADESH, INDIA

Dated : 10 AUG 2009

*Renuka*  
Vice-Chancellor

Principal  
Department of Engineering & Technology  
Mangalpally (V) Patalguda (MP),  
Ibrahimpalnam (M), B.S. Dist., T.Sy

Scanned with CamScanner

Reg. No. : 7382



SI.No. AB20170622

மனோன்மணியம் சுந்தரனார் பல்கலைக்கழகம்  
Manonmaniam Sundaranar University



அறிவியற் புலம்

FACULTY OF SCIENCE

மனோன்மணியம் சுந்தரனார் பல்கலைக்கழக ஆட்சிக்குழு  
செந்தில் குமார் து  
கணிதவியல் பாடப்பிரிவில்

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

பல்கலைக்கழக முத்திரையுடன் இது வழங்கப்படுகின்றது.

The Syndicate of the **MANONMANIAM SUNDARANAR UNIVERSITY**  
hereby makes known that **SENTHIL KUMAR D**  
has been admitted to the Degree of Doctor of Philosophy in  
**MATHEMATICS**

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

Given under the seal of the University.



திருநெல்வேலி, இந்தியா  
Tirunelveli, India  
நாள் / Dated 06.12.2017

(Dr.A.Suruliandi)  
தேர்வாளர்  
Controller of Examinations

(Dr.S.Santhosh Baboo)  
பதிவாளர்  
Registrar

PRINCIPAL  
AVN Institute of Engineering & Technology  
Mangalpally (V), Patelguda (M),  
Ibrahimpattan (M) R.R. Dist., T.S.,  
(Dr.K.Baskar)  
நுணைவேந்தர்  
Vice-Chancellor

No. 191326



அண்ணாமலைப் பல்கலைக்கழகம்

ANNAMALAI UNIVERSITY

அறிவியற்புலம்  
FACULTY OF SCIENCE

நவம்பர், 2016 இல்

வேதியியல்

பரீட்சை நடத்திய தேர்வுகளில்

கமலக்கண்ணன் ஜெ

தேர்ச்சியடைந்து ஆய்வேட்டை மதிப்பிட முறையாக அமைக்கப்பெற்ற தேர்வுக்குழுவினர் சான்றளித்தபடி,

ஆய்வியல் அறிஞர்

பட்டம் பெறவதற்கு உரியவர் ஆகினார்

என அண்ணாமலைப் பல்கலைக்கழக ஆட்சிக் குழு இதன்வழி அறிவிக்கின்றது.

The Syndicate of the *ANNAMALAI UNIVERSITY* hereby makes known that **KAMALAKKANNAN J** has been admitted to the Degree of **DOCTOR OF PHILOSOPHY in CHEMISTRY**, he/she having been certified by duly appointed Board of Examiners who valued his/her thesis to be qualified to receive the same in **NOVEMBER, 2016**.

*TITLE OF THE THESIS*

ADVANCED CONSTRUCTION, CHARACTERIZATION AND MULTI APPLICATION EVALUATION OF INDIUM BASED SEMICONDUCTOR AND ACTIVATED CHARCOAL - N, S DOPED TiO<sub>2</sub> NANOMATERIALS

பல்கலைக்கழக முத்திரை பெறுகின்றது  
Given under the seal of the University



அண்ணாமலைநகரம்  
Annamalainagar

நாள்:

Dated: 31/12/2016

*K. Arumugam*  
Dr. K. Arumugam

பதிவாளர் (பொறுப்பு)  
Registrar (i/c)

*S. Manian*  
Dr. S. Manian

துணை வேந்தர்  
Vice-Chancellor

PRINCIPAL  
AVN Institute of Engineering & Technology  
Mangalpally (W) Palalguda (M),  
Ibrahimpattam (M) R.R. Dist., T.S.



# Anna University



Reg.No.2011140111/RC



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

Title of the Thesis:

**MULTIMODEL BIOMETRIC AUTHENTICATION USING FUSION APPROACH**

Given under the seal of the University



Chennai 600025  
India  
June 2018

Controller of Examinations

Registrar

Vice-Chancellor

**PRINCIPAL**  
AVN Institute of Engineering & Technology  
Mangalpaty (V) Pateiguda (M)  
Ibrahimpattam (M), R.R. Dist., T.S.

# Anna University

Reg.No.1412109208 RG



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


Title of the Thesis:

**A MULTI CLASS ASSORTMENT BASED HYBRID IDS USING CLUSTERING COUPLED OPTIMIZATION APPROACH**

Given under the seal of the University



Chemical 600025  
India  
June 2018

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

Scanned by CamScanner  
PRINCIPAL  
AVN Institute of Engineering & Technology  
Mangalpally (M) Paleguda (M),  
Ibrahimpattam (M) R.R. Dist., T.S.

# Anna University



Reg.No. 962311431018/RG

*The Syndicate of the Anna University hereby makes known that*  
**VINOTH A** has been admitted to the **DEGREE OF MASTER OF ENGINEERING** in **EMBEDDED SYSTEM TECHNOLOGIES** under the Faculty of Electrical Engineering, having completed the prescribed programme of study and having been certified by the duly appointed examiners to be qualified to receive the same, and has been placed in **FIRST CLASS** at the Examination held in **JUNE 2013**.

*Given under the Seal of the University*



Chennai 600 025  
India

November 2013

Controller of Examinations

Registrar

Vice-Chancellor

**PRINCIPAL**  
AVN Institute of Engineering & Technology  
Mangalpally (V) Patalguda (M)  
Ibrahimpattam (M) R.R. Dist., T.S.

ACHARYA NAGARJUNA UNIVERSITY



FACULTY OF ENGINEERING

This is to certify that

*Yashwanth Ganbatina Rao*  
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*

*on 02/07/2013 in the presence of*

*Learn under the list of the University*

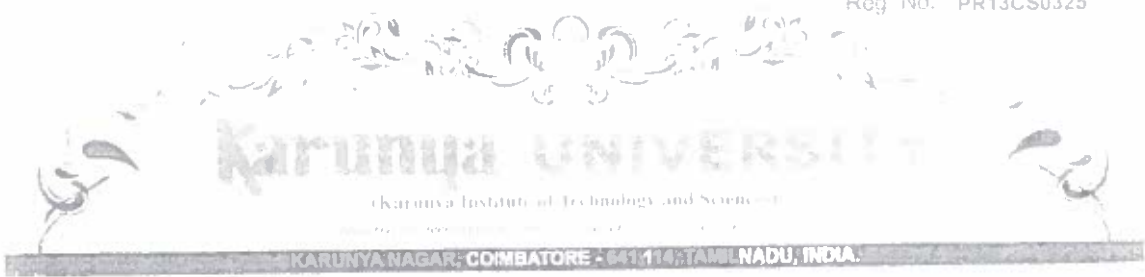
NAGARJUNA NAGAR

520 010

16/07/2013

PRINCIPAL

AVN Institute of Engineering & Technology  
Mangalpally (V), Patalguda (MP),  
Ibrahimpattam (M) R.R. Dist., T.S.



*The Board of Management*

*Karunya University  
 hereby makes known that*

**MOHANA SUGANTHI N**

Doctor of Philosophy,  
 in  
**COMPUTER SCIENCE ENGINEERING**  
 Faculty of Engineering

*awarded to her on 17 Aug 2017*

*Title of the Thesis:*

*Integrating Big Data from Heterogeneous Data Sources  
 and Building a Single Repository*



*17 Aug 2017*

*Dated: 17 Aug 2017*

*Chairman*  
 Chairman

*Member*  
 Member

*Principal*  
 Principal

**PRINCIPAL**  
 AVN Institute of Engineering & Technology  
 Mangalpally (M), Patehguda (M),  
 Ibrahimpatnam (M) R.R. Dist., T.S.

SHRI M. S. SWAMISWARAYA TECHNOLOGICAL UNIVERSITY BELGAUM  
KARNATAKA INDIA



*This is to certify that*

**Vijay Kumar M H**

*has been awarded the degree of*

**DOCTOR OF PHILOSOPHY**

*in*

Faculty of Civil Engineering

*for the thesis entitled*

**Fracture Mechanics of Fiber Reinforced Concrete**

*in accordance with the syllabus of the degree of*

001113

USN: 1BM08PCN02



BELGAUM

January 09 2019

PRINCIPAL  
AVN Institute of Engineering & Technology  
Mangalpally (V) Patalguda (Tal.  
Ibrahimpatnam (M) R.R. Dist., T.S.

No.



அண்ணாமலைப் பல்கலைக்கழகம்

ANNAMALAI UNIVERSITY



பொறியியற்புலம்

FACULTY OF ENGINEERING AND TECHNOLOGY

ஜூலை, 2016 இல் குடிமுறை பணிப் பொறியியல்  
பிரிவில் நடத்திய தேர்வுகளில் வறர்ஜ் கே

தேர்ச்சியடைந்து ஆய்வேட்டை மதிப்பிட முறைபாடு அமைக்கப்பெற்ற தேர்வுக்குழுவினரின் சான்றிதழை  
ஆய்வியல் அறிஞர் பெயர் பெறுவதற்கு உரியவர்களுக்கு

என அண்ணாமலைப் பல்கலைக்கழக ஆட்சிக் குழு இதன்வழி அறிவிக்கிறது

The Syndicate of the ANNAMALAI UNIVERSITY hereby declares that  
HARISH K

Degree of DOCTOR OF PHILOSOPHY in CIVIL ENGINEERING

has/have having been certified by duly appointed Board of Examiners

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 பெறுகிறது  
Given under the seal of the University



அண்ணாமலைநகர்

Annamalainagar

நாள்

Dated: 30/01/2017

துணை தேர்வாளர் (கல்விப்பகுதி)  
Dr. Controller of Examinations (Academic)

Dr. A. Arumugam  
பதிவாளர் (பொறியியல்)  
Registrar (E)

Dr. S. Manian  
துணை வேந்தர்  
Vice-Chancellor

PRINCIPAL  
AVN Institute of Engineering & Technology  
Mangalpally (V), Pateiguda (M),  
Ibrahimpattam (M) R.R. Dist., T.S.



# PONDICHERRY UNIVERSITY

*Provisional Certificate*

46008

This is to certify that ANBURAJ. R. having completed all the requirements relating to Ph.D Degree has been declared eligible for the award of the Degree of Doctor of Philosophy of the University in MECHANICAL ENGINEERING with effect from 30.04.2018.

The title of the Ph.D Thesis is "Study on Influence of Nano Additives in Minimum Quantity Lubrication System in Metal Cutting Operation."

The Degree will be awarded to him/her in due course.

Valid till the original Degree is issued.

Office Seal



ESTABLISHED BY ACT OF PARLIAMENT 53 OF 1955

*A. Chidambaram*

24 MAY 2018

PRINCIPAL  
AVN Institute of Engineering & Technology  
Mangalpally (V), Patelguda (Mf.),  
Ibrahimpattanam (M) R.R. Dist., T.S.



No. 257533



அண்ணாமலைப் பல்கலைக்கழகம்

ANNAMALAI UNIVERSITY

பொறியியற்புலம்

FACULTY OF ENGINEERING & TECHNOLOGY

அக்டோபர், 2018 இல்

இயந்திரப் பொறியியல்

செவ்வம் மெ

பொறியியல் பொறியியல் (தேர்வுகூலி)

கேள்வியை நடைமுறை செய்து கொடுக்கப்பட்டுள்ள பட்டப்படிப்பை முடித்துக் கொடுத்திருக்கிறார். ஆய்வியல் அறிஞர் பட்டம் பெறவதற்காக சீமையா ஆணையர் மூலம் அண்ணாமலைப் பல்கலைக்கழக ஆட்சிக்குழு திருமணி அறிவிக்கிறது.

The Syndicate of the ANNAMALAI UNIVERSITY hereby makes known that SELVAM M has been admitted to the Degree of DOCTOR OF PHILOSOPHY in MECHANICAL ENGINEERING. He/she having been certified by duly appointed Board of Examiners who deemed it necessary to be qualified to receive the same in OCTOBER, 2018.

TITLE OF 'M.E. DISSERTATION'

"PERFORMANCE AND EMISSION ANALYSIS STUDY ON VARIOUS ANIMAL FAT OIL AS BIO DIESEL"

பெண்ணாமை பல்கலைக்கழகம் பொறியியல்  
Given under the seal of the University



அண்ணாமலை நகரம்  
Annamalainagar

நாள்  
Date 25/11/2018

Dr. K. Murugesan  
பதிவாளர் (பொது)  
Registrar

Dr. V. Murugesan  
பெண்பதிவாளர்  
The Chancellor

PRINCIPAL  
AVN Institute of Engineering & Technology  
Mangalpally (V) Palalguda (M)  
Ibrahimpattam (M) R.R. Dist., T.Sy

# Anna University



Reg.No.2011120110/RG



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


Title of the Thesis:

**THEORETICAL AND EXPERIMENTAL INVESTIGATION OF SOLAR DRYER FOR DRYING AGRICULTURAL AND FOOD PRODUCTS IN SOUTH INDIA**

Given under the seal of the University



Chennai 600025  
India  
December 2018

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

PRINCIPAL  
AVN Institute of Engineering & Technology  
Mangalpally (M) Patehguda (M)  
Ibrahimpattanam (M) R.R. Dist., T.S.



**HINDUSTAN UNIVERSITY**  
HINDUSTAN INSTITUTE OF TECHNOLOGY & SCIENCE  
(Est. in 1984 U.G.A. 1991)



The Board of Management on the recommendation of the Academic Council of the University hereby confers on  
**RAMPKABU G**  
the degree of

**Doctor of Philosophy**

In the Department of Electronics and Communication Engineering  
for successfully completing the prescribed programme of study and presenting the thesis titled  
**Design and Analysis of Novel Modified Cross Layer Controller for WMSN**

Given on this day, the 02nd of NOVEMBER 2016.



Given under the Seal of the University

DATE 06-10-2016  
Chennai, India

*[Signature]*  
REGISTRAR

*[Signature]*  
VICE-CHANCELLOR

*[Signature]*  
CHANCELLOR

**PRINCIPAL**  
AVN Institute of Engineering & Technology  
Mangalpally (V) Patelguda (MP),  
Ibrahimpattam (M) R.R. Dist., T.S.

Serial No. 0405

# OPJS UNIVERSITY CHURU



RAJASTHAN (INDIA)

**DOCTOR OF PHILOSOPHY**

**PROVISIONAL CERTIFICATE**

This is to certify that Mr./Ms. NARENDRAJIT LAKSHMI PRIYA

Enrollment No. Ph.D-14-170 has been awarded for the Degree of Doctor of Philosophy in Computer Science & Engineering on the topic entitled "An Analytical Study on Impact of Data Analytics on Customer Services & Security" under the supervision of Dr. Satheesh Kumar Negineni. This comes into effect from date of Viva Voce held on 05-4-2018.

Place: Churu, Rajasthan

Date: 16-5-2018

*[Signature]*  
REGISTRAR

PRINCIPAL  
AVN Institute of Engineering & Technology  
Mangalpaty (V), Patelguda (M),  
Ibrahimpattam (M) R.R. Dist., ...



# OPJS UNIVERSITY CHURU

## RAJASTHAN (INDIA)

(Approved by UGC under section 2(1) of the UGC Act 1956)

Ph. 07726009701, 02, 03, 19

Website : [www.opjsuniversity.edu.in](http://www.opjsuniversity.edu.in)

Ref. No. 03/2018/

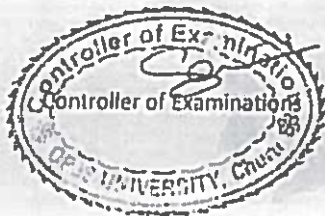
Date: 10.12.2018

### GENUINENESS CERTIFICATE

To Whom So Ever It May Concern

This is to certify that the Ph.D. Original degree, Provisional certificate of NARENDRUNI LAKSHMI PRIYA issued by this University have been verified and found correct as per our records.

Name of the candidate	Registration No.	Enrolment No.	Name of the School and Branch	Thesis Title	Year of Passing
NARENDRUNI LAKSHMI PRIYA	1910323	Ph. D-14-170	COMPUTER SCIENCE & ENGINEERING	AN ANALYTICAL STUDY ON IMPACT OF DATA ANALYTICS ON CUSTOMER SERVICES AND SECURITY	2018



  
Research Director

Dr. Narender Kumar  
Research Director  
OPJS University Churu (Raj)

PRINCIPAL  
AVN Institute of Engineering & Technology  
Mangalpally (V) Patelguda (T)  
Ibrahimpattan (M) R.R. Dist., T.S.

email : [opjsuniversity@gmail.com](mailto:opjsuniversity@gmail.com)

**OPJS**

उपाधि क्रमांक/Degree Serial No.  
Ph D/543998

नामांकन संख्या /Enrollment No.  
201173387362

अनुक्रमांक संख्या /Roll No  
7542773337

# गौतम बुद्ध प्राविधिक विश्वविद्यालय



(पूर्ववर्ती उत्तर प्रदेश प्राविधिक विश्वविद्यालय, लखनऊ)

विश्वविद्यालय की विद्या परिषद् की अनुमति पर

जी. सुधागर

को इलेक्ट्रिकल इंजीनियरिंग (ऊर्जा इंजीनियरिंग) विद्या में वाचस्पति की विद्या उपाधि  
प्रथम श्रेणी में

उमरठे द्वारा इस उपाधि की अर्जित हेतु  
विश्वविद्यालय द्वारा विहित अपेक्षाओं को सफलतापूर्वक पूरा करने पर  
एतद्द्वारा सन् 2014 में प्रदान की जाती है।

अथवा उपाधि के लिये आपने निम्न विषय पर मौखिक प्रश्न उत्तर दिये।

कार्यान्वयन और औद्योगिक अनुप्रयोगों के लिए दबाव गर्म पानी का भंडारण का उपयोग और  
ताप प्रणाली का डिजाइन।

## Gautam Buddha Technical University

(Formerly Uttar Pradesh Technical University, Lucknow)

*Upon the recommendation of the Academic Council,*

*the University hereby confers the degree of*

**Doctor of Philosophy Electrical Engineering (Energy Engineering)**  
*upon*

**G.SUDHAGAR**

*who has successfully completed the requirements prescribed by the University  
for the award of this degree in*

**First Division**

*in the year 2014*

*The subject on which he/she presented a Thesis for the Degree was:*

**Implementation And Design Of Solar Thermal Systems Utilizing  
Pressurized Hot Water Storage For Industrial Applications**

लखनऊ, (उ.प्र.), भारत  
Lucknow, (U.P.), India

दिनांक / Date: December 31, 2014



PRINCIPAL  
A N Institute of Engineering & Technology  
Mangalpally (V) Patelguda (M)  
Ibrahimpattanam (M) R.R. Dist., T.S.

(कृपा शंकर)

मुख्यपति

(Kripa Shankar)

Vice-Chancellor

(M)

Regd. No.

Y9CSR001

00075

ACHARYA NAGARJUNA UNIVERSITY  
ఆచార్య నాగార్జున విశ్వవిద్యాలయము



FACULTY OF ENGINEERING

*This is to certify that*

Mr./Ms.

*Shaik Abdul Nabi*

*S/o Shaik Marstan*

*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 2014*

*in Computer Science and Engineering*

*Given under the Seal of the University*

Nagarjuna Nagar-522 510.  
A.P, India

Date: 24 JUL 2014



*[Signature]*  
PRINCIPAL  
AVN Institute of Engineering & Technology  
Mangalpally (V) Palagurda (M)  
Trahimpalnám (M) R.R. Dist.

Regn. No. SP09CSP068



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*

**KALAISELVAN S A**

*has been admitted to the Degree of  
MASTER OF ENGINEERING*

*in*

**COMPUTER SCIENCE AND ENGINEERING**  
*he having been certified by duly appointed examiners  
to be qualified to receive the same  
and was placed in the FIRST CLASS  
at the examination held in APRIL, 2011.*



*Given under the seal of the University*

Date: 30-03-2012  
Avadi, Chennai-600 054  
Tamilnadu India

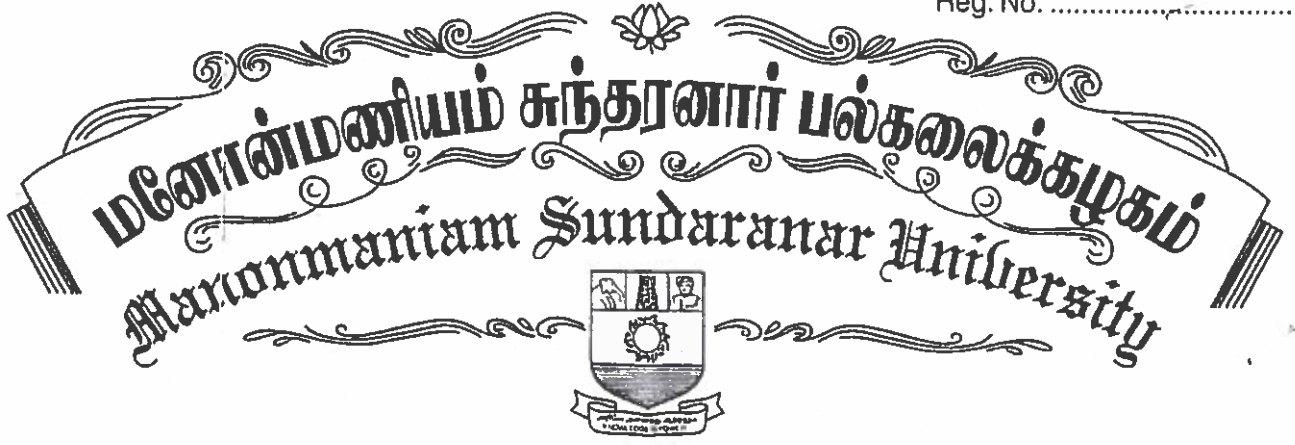
*[Signature]*  
Registrar

*[Signature]*  
Vice-Chancellor

*[Handwritten signature in blue ink]*

**PRINCIPAL**  
AVN Institute of Engineering & Technology  
Mangalpally (V) Patelguda (T)  
Ibrahimpattanam (M) R.R. Dist., T.N.





பொறியியற் புலம்  
FACULTY OF ENGINEERING

மனோன்மணியம் சுந்தரனார் பல்கலைக்கழக ஆட்சிக்குழு  
ஸ்ரீனிவாசலு மண்டா

கணினி இயல் மற்றும் பொறியியல் பாடப் பிரிவில்

அறிஞர் பட்டம் பெறுவதற்குத் தகுதியுடையவர் என முறையாக அமைக்கப்பெற்ற  
தேர்வினோர் சான்றளித்தவாறு ஜூலை 2015 ஆம் ஆண்டில்  
இப் பட்டப்பெற்றுக்கு உரியவர் ஆகின்றார் என இதன்வழி அறிவிக்கின்றது

பல்கலைக்கழக முத்திரையடன் இது வழங்கப்படுகின்றது

The Syndicate of the **MANONMANIAM SUNDARANAR UNIVERSITY**  
hereby makes known that ..... **SREENIVASALU MANDA**  
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 2015**



*(Signature)*  
PRINCIPAL  
AVN Institute of Engineering &  
Mangalpally (V) Patelgarh  
Ibrahimpattam (M) R.R. District

Given under the seal of the University.

திருநெல்வேலி, இந்தியா  
Tirunelveli, India

*(Signature)*  
Dr.S.Prabahar  
தேர்வாணையர்

*(Signature)*  
Dr.P.Govindaraju  
பதிவாளர்

*(Signature)*  
Dr.A.K.Kumaraguru  
துணை வேந்தர்

OU 294046

# Osmania University



## Faculty of Engineering

This is to certify that Jangirala Govardhan  
son / daughter of Jangirala Ramachandram

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 Mechanical Engineering

The title of the Thesis is :

Analysis of Oscillating Combustion

The candidate has been declared qualified for the award of the  
Degree of Ph.D. on 24 Nov, 2011

PRINCIPAL  
Engineering & Technology  
Mangalpally (V), Patelguda (MP)  
Ibrahimpetnam (M), RR Dist TS

Given under the seal of the University.



Ph.D/112030007  
Hyderabad

Date 03 DEC 2011

Vice-Chancellor

MAHARLAL NTHRU TECHNOLOGICAL UNIVERSITY HYDERABAD  
HYDERABAD - 500 085, TELANGANA STATE, INDIA.

318000250

Sl. No. PC 00811020



PROVISIONAL CERTIFICATE



Sl. No.

This is to certify that Mr. BOLLIKONDA NAGESWARA RAO

son of Mr. BOLLIKONDA RAMULU

has satisfied all the requirements for the award of Doctor of Philosophy

in the faculty of MECHANICAL ENGINEERING

of this university, held in April, 2016 for the thesis entitled,

"Study and Analysis of Process Parameters in Granite Machining".

PRINCIPAL

AVN Institute of Engineering & Technology  
Mangalpally (V) Patalguda (MP)  
Ibrahimpatnam (M) R.R. Dist. T.S

Verified by

Hyderabad

Date

Signature

REGISTRAR

UNIVERSITY OF ALLAHABAD



Doctor of Philosophy in Engineering

Enrollment No. NE/2451

(Mechanical Engineering)

This is to certify that V.V.R. Satya Gangadhar  
has been admitted to the degree of Doctor of Philosophy  
in Engineering in this University at the Convocation  
of 19 2007 University of Allahabad.

PRINCIPAL

VN Institute of Engineering & Technology  
Mangalpally (V), Patelguda (MP)  
Ibrahimpattam (M), R.R. Dist. T.S.

University of Allahabad:

The 18th March 19 2007

*Rayshankar*

Vice-Chancellor

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR**  
ANANTHAPURAMU - 515 002, ANDHRA PRADESH, INDIA

Adm. No. 10PH0421

Sl. No. PC 0187001



**PROVISIONAL CERTIFICATE**

*This is to certify that Mr. SUGALI VENKATESULU*

*Son of Sri S RAMANJI NAIK*

*has satisfied all the requirements for the award of*

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

*in the faculty of \*\*\* Electronics & Communication Engineering \*\*\**

*for the Thesis entitled,*

**"DESIGN AND IMPLEMENTATION OF AN EFFICIENT  
ELECTROMAGNETIC RADIATION MONITORING SYSTEM FOR  
DIFFERENT CELLULAR NETWORKS"**

*Friday, 23 October, 2015.*

**DIRECTOR OF EVALUATION**

**REGISTRAR**

**PRINCIPAL**  
JNTU Institute of Engineering & Technology  
Mangalpally (V), Patelguda (MP)  
Ibrahimpatnam (M), R R Dist TS

Serial No: 1431073

Enrollment No: 2010PHD010



By the authority of its Executive Council  
and  
upon the recommendation of its Academic Council  
it is hereby conferred upon

**SACHIN SHARMA**

Son of S. P. Sharma

has fulfilled all the requirements for the Degree of

**DOCTOR OF PHILOSOPHY**

in

**ELECTRONICS ENGINEERING**

from

Faculty of Electronics Engineering, Shridhar University

on September 06, 2014


with all its privileges and responsibilities given under

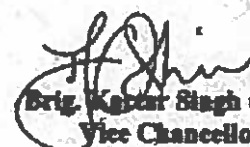
the seal of Shridhar University, Pilani

established under the Section 2(f) of UGC Act, 1956

Rajasthan, India.

  
Prof. R. S. Yadav  
Registrar

  
PRINCIPAL  
V.N Institute of Engineering & Technology  
Mangalpally (V), Patalguda (MP)  
Ibrahimpatnam (M), R R Dist TS

  
Brig. Katar Singh (Retd.)  
Vice Chancellor

Enrollment No. 13SRU/S1099



Registration No. SRU/Ph.D/June/2013/0031

# सनराईज विश्वविद्यालय, अलवर SunRise University, Alwar

Tehsil Ramgarh, District - Alwar (Rajasthan), INDIA



**विद्या - वाचस्पति**

(संकाय Engineering : Electronics & Communication Engineering)

सनराईज विश्वविद्यालय की एकेडेमिक काउंसिल द्वारा यह प्रमाणित किया जाता है कि  
श्री/सुश्री/श्रीमती **Shaik Saidulu** ने

सनराईज विश्वविद्यालय से शोध प्रबन्ध अनुमोदन उपरान्त विद्या वाचस्पति की उपाधि प्राप्त की।

**शोध प्रबन्ध का विषय**

**"An Effectual Non-Preemptive Scheduling Methodology  
through a Periodic and Sporadic Tasks in Real-Time  
Embedded Processing Systems"**

**Doctor of Philosophy**

(Faculty of Engineering : Electronics & Communication Engineering)

This is to certify by the Academic Council of SunRise University that  
Mr./Ms./Smt. **Shaik Saidulu**  
obtained the Degree of **Doctor of Philosophy** after approval of the thesis.

**Title of Thesis**

**"An Effectual Non-Preemptive Scheduling Methodology  
through a Periodic and Sporadic Tasks in Real-Time  
Embedded Processing Systems"**

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

कुल सचिव  
Registrar



कुलपति  
Vice-Chancellor

PRINCIPAL

AVN Institute of Engineering & Technology  
Mangalpally (V), Patelguda (MP)  
Ibrahimpatnam (M), R R Dist TS

627



## FACULTY OF ENGINEERING

*This is to certify that*

**Mallavarapu Rajan Babu**

*has been duly admitted to the*

**Degree of Doctor of Philosophy**

*in* **Electronics and Communication Engineering**

*in this University, he/she having been declared to be*

*qualified to receive the same in* **2013**

*Given under the Seal of the University*

Visakhapatnam, A.P., India.

Date: **10<sup>th</sup> February, 2014**

**PRINCIPAL**  
**AVN Institute of Engineering & Technology**  
**Mangalpally (V), Patalguda (MP)**  
**Ibrahimpatnam (M), R R Dist - TS**





काशी हिन्दू विश्वविद्यालय  
Banaras Hindu University  
स्थापित FOUNDED 1916

1902/2016



श्री संजीव सिंह इति-नामा

२००८ तमे ईसवीयवर्षे सिविल इंजीनियरिंग इति विषये विश्वविद्यालयस्यास्य  
डाक्टर ऑफ फ़िलोसोफी इत्युपाधिं प्राप्नोदिति प्रमाणयति।

प्रमाणित किया जाता है कि श्री संजीव सिंह  
को सन् २००८ की सिविल इंजीनियरिंग विषय में  
इस विश्वविद्यालय को डाक्टर ऑफ फ़िलोसोफी उपाधि प्रदान की गई।

*This is to certify that Shri Sanjeev Singh  
has been admitted to the Degree of Doctor of Philosophy in  
Civil Engineering of this University of the year 2008*

*Title of the Thesis - Influence of Chemicals on Engineering Behaviour of Bentonite as  
Clay Liners*

*Signature*

कुसुमपति  
Vice-Chancellor

स्थान - वाराणसी  
Place - Varanasi

दिनांक Dated - March 07, 2009

*Signature*  
PRINCIPAL  
AVN Institute of Engineering & Technology  
Mangalpally (V), Patelguda (MP)  
Ibrahimpattam (M), R.R. Dist T S



Reg.No. 3076022112360

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

Title of the Thesis:

STRENGTH DURABILITY AND SELFCOMPACTABILITY OF GEOPOLYMER CONCRETE



Given under the Seal of the University

U/G/Ph.D./2014  
India  
November 2014

Controller of Examinations

Registrar

Vice-Chancellor

PRINCIPAL  
AVN Institute of Engineering & Technology  
Mangalpally (V), Patelguda (MP)  
Ibrahimpatnam (M) R R Dist TS

No. 129081



அண்ணாமலைப் பல்கலைக்கழகம்

ANNAMALAI UNIVERSITY



பொறியியற்புலம்

FACULTY OF ENGINEERING AND TECHNOLOGY

ஜூலை, 2016 இல்

குடிமுறை பணிப் பொறியியல்

பிரிவில் நடத்திய தேர்வுகளில்

ஹரிஜ் கே

தேர்ச்சியடைந்து ஆய்வேட்டை மதிப்பிட முறையாக அமைக்கப்பெற்ற தேர்வுக்குழுவினர் சான்றளித்தபடி, ஆய்வியல் அறிஞர் பட்டம் பெறுவதற்கு உரியவர் ஆகின்றார் என அண்ணாமலைப் பல்கலைக்கழக ஆட்சிக் குழு இதன்வழி அறிவிக்கின்றது.

The Syndicate of the ANNAMALAI UNIVERSITY hereby makes Known that 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

PRINCIPAL  
AVN Institute of Engineering & Technology  
Mangalpally (V), Patalguda (MP)  
Ibrahimpattanam (M), R.R. Dist. T.S

Handwritten signatures and initials.



# Indian Institute of Technology, Bombay

Upon recommendation of the Senate hereby confers the degree of

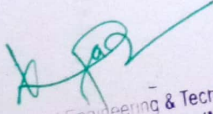
## Doctor of Philosophy

on Y. Ellamraj

who has fulfilled the requirements for the degree as prescribed under the regulations  
and successfully defended in February 1996, the thesis entitled :

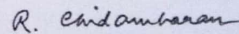
“Optimal Reservoir Operation for Irrigation in a Multiple Crop Environment”.

Given this day, under the seal of the Institute at Mumbai in the Republic of India,  
the 11th day of July, 1996.

  
Sulas P. Suklatme  
Chairman, Senate

new Institute of Engineering & Technology  
Mangalpally (V), Patalguda (MP)  
Ibrahimpatnam (M), R.R. Dist T.S

  
Registrar

  
R. Chidambaram  
Chairman, Board of Governors

# SHRI JAGDISHPRASAD JHABARMAL TIBREWALA UNIVERSITY

(Established U/S 2(f) of UGC Act, 1956 vide Act No. F2(5) Vidhi/2/2009, Govt of Rajasthan)



## डॉक्टर ऑफ फिलासफी

विश्वविद्यालय प्रदत्त कि लिए सिविल अभियांत्रिकी, के विभाग में डिग्री का अबाई दिया गया निर्धारित आवश्यकताओं सफलतापूर्वक पूरा कर लिया है जो मोहम्मद सुभान डॉक्टर आफ फिलासफी की घोषणा की कृपा है.

परीक्षकों और निदेशकों के बोर्ड के अनुमोदन के साथ

विद्यानगर, झुंझुनु, राजस्थान, पर विश्वविद्यालय की मुहर के तहत 2013 में दिए गए

## DOCTOR OF PHILOSOPHY

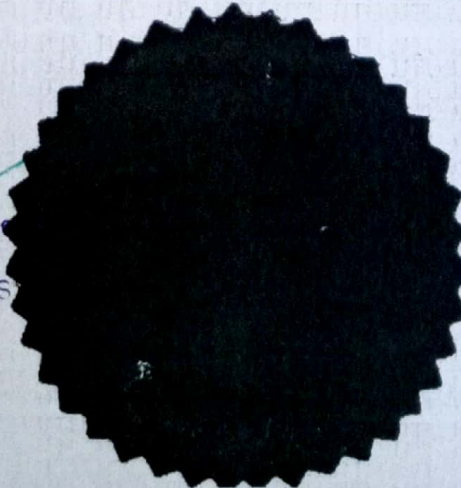
The university is pleased to declare that **Mohammad Subhan**, who has successfully completed the prescribed requirements for the award of degree in the department of Civil Engineering, has been conferred **Doctor of Philosophy**.

With the approval of board of examiners and directors

Given under the seal of the university at vidyanagar, jhunjhunu, Rajasthan, in 2013

PRINCIPAL  
AVN Institute of Engineering & Technology  
Mangalpally (V), Patalguda (MP)  
Brahmanganj (M), R.R. Dist. T.S.  
J. K. ...  
Registrar

Jjtu, rajasthan.



Vinay ...  
vice-chancellor

Jjtu, rajasthan.

4

V V V

OU 152915

# Osmania University



## Faculty of Engineering

This is to certify that P. Amarash Babu  
 son / daughter of P. Raghavender Rao  
 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 Civil Engineering

The title of the Thesis is :  
Strength and Durability Studies on Mortars, Concretes and  
 Soils Containing Flyash and other Industrial Waste Products.

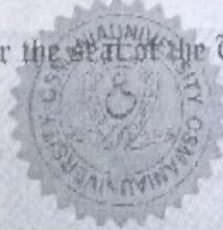
The candidate has been declared qualified for the award of the  
 Degree of Ph.D. on 25th March 2009



Given under the seal of the University.

ML0903310002  
 Hyderabad

Dated



*T. Tompal*  
 Vice-Chancellor

**PRINCIPAL**  
 AVN Institute of Engineering & Technology  
 Mangalpally (V), Patelguda (MP)  
 Ibrahimpatnam (M), R R Dist T S

A54326

Regd No 1260209403

Aadhar No 433978562704



GANDHI INSTITUTE OF TECHNOLOGY AND MANAGEMENT



**GITAM**  
DEEMED UNIVERSITY

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

## FACULTY OF ENGINEERING

This is to certify that

**Kasi Rekha**

has been duly admitted to the

**Degree of Doctor of Philosophy**

in

**Civil Engineering**

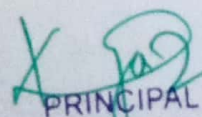
in this University, he/she having been declared to have passed  
the examination prescribed therefor held in **July, 2017**

Given under the seal of the University

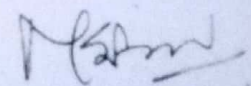
Visakhapatnam

07th November, 2017



  
PRINCIPAL

AVN Institute of Engineering & Technology  
Mangalpally (V), Patalguda (MP)  
Ibrahimpattanam (M), R R Dist T.S



Vice Chancellor



*This is to certify that*

**Vijay Kumar M H**

*has been conferred the Degree in*

**Doctor of Philosophy**

Faculty of Civil Engineering Sciences

*for the thesis entitled*

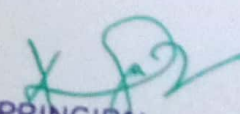
**Fracture Mechanics of Fiber Reinforced Concrete**

*in recognition of the fulfillment of requirements  
for the said degree*

001113

given under the seal of the University

USN: 1BM08PCN02

  
PRINCIPAL

AVN Institute of Engineering & Technology  
Mangalore (V), Patilguda (MP)

BELGAUM

January 09 2018





அண்ணாமலைப்

ANNAMALAI



பல்கலைக்கழகம்

UNIVERSITY



பொறியியற்புலம்

FACULTY OF ENGINEERING & TECHNOLOGY



0006170

செய்த நாள்: 2012

கட்டமைப்புப் பொறியியல்

பாலமுருகன் இரா

ஆய்வியல் அறிஞர்

பட்டப் பெறுவதற்கு உரியவர்

அண்ணாமலைப் பல்கலைக்கழக ஆளவை

The Senate of the ANNAMALAI UNIVERSITY hereby resolves that  
that BALAMURUGAN R

Degree of DOCTOR OF PHILOSOPHY in STRUCTURAL ENGINEERING.

has been admitted to receive the same on SEPTEMBER, 2012.

TITLE OF THE THESIS

Disaster Management in Tsunami affected Portonova Beach

அண்ணாமலைநகர்  
Annamalainagar

தேதி:

Date: 04/10/2012

Dr. R. Meenakshisundaram

பதிவுரை

Registrar

Dr. M. Ramanathan

தலைவர்

Principal

PRINCIPAL  
AVN Institute of Engineering & Technology  
Mangalpally (V), Patelguda (MP)  
Ibrahimpatnam (M), R R Dist TS



PHD 4914

# Osmania University

Ref. No. CN101700017

## Provisional Certificate

This is to certify that Parvathi V  
son/daughter of V S Sankara Rao  
having pursued a course of study prescribed by this University and  
having passed the requisite examinations in SEP 2017  
by dissertation/thesis, has been admitted to the Degree of  
Ph.D (English) in the Faculty of ARTS

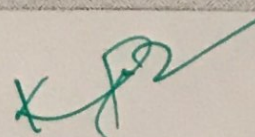
Hyderabad

Dated 17/10/2017

Section - incharge



for Registrar

  
PRINCIPAL  
AVN Institute of Engineering & Technology  
Mangalpally (V), Patelguda (MP)  
Ibrahimpattam (M), R R Dist TS

# Kakatiya University



Faculty of Science

Roll No. \_\_\_\_\_

This is to certify that M. Ashok

Son / Daughter of M. Rajaiiah

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

**Doctor of Philosophy**

(Awarded in October 2006)

The subject in which he/she presented a thesis for the Degree  
was (Chemistry)

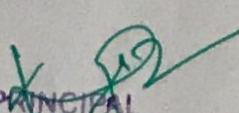
"Synthesis, Spectral Studies of Ru(II),  
Ru(III) Organometallics with Coordinated  
Amide and Their Catalytic Applications  
in Selected Pharmaceuticals"

Given under the seal of the University

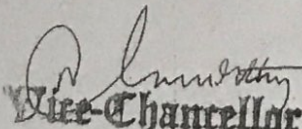
Warangal

Dated May 10, 1929

January 31, 2008

  
PRINCIPAL

AVN Institute of Engineering & Technology  
Mangalpally (V), Patelguda (MP)  
Ibrahimpatnam (M), R.R Dist T S

  
Vice-Chancellor

Regd. No. C09PD053013

00084

ACHARYA NAGARJUNA UNIVERSITY  
అచార్య నాగార్జున విశ్వవిద్యాలయము



FACULTY OF HUMANITIES

This is to certify that  
*Gangula Anjaneyulu*

Mr./Ms.

*S/o G Balaiah*

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 2014

in English

Given under the Seal of the University

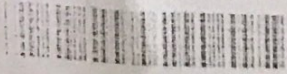
Nagarjuna Nagar-522 510.  
A.P. India



PRINCIPAL  
AVN Institute of Engineering & Technology  
Maggalpally (V), Patelguda (MP),  
Bramhapatnam (M), R.R. Dist TS

Date: 17 MAR 2016

Vice-Chancellor



Sl. No. : 001054

**Dr. B. R. Ambedkar Open University**  
HYDERABAD (A.P.), INDIA



*Faculty of* SCIENCE

Hall Ticket No. 2009610766

*This is to Certify that* PALARAPU SRINIVAS  
*(whose photograph is affixed)*

*son / Daughter of* SATHAIAH

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

*Doctor of Philosophy*

*In the Subject* MATHEMATICS

*The title of the Thesis is* .....  
SOME RESULTS ON LATTICES AND LATTICE GRAPHS

*This candidate has been declared qualified for the award of the Degree of*  
*Thesis on* JANUARY-2014

*Given under the seat of the University*

*[Signature]*  
PRINCIPAL

AVN Institute of Engineering & Technology  
Mangalpally (V), Patalguda (MP)  
Ibrahimpatnam (M), R R Dist T S

14/04/2014