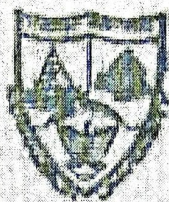


Berhampur University



DOCTOR OF PHILOSOPHY

This is to certify that

Challa Narasimharan

having passed the examination

for the degree of

DOCTOR OF PHILOSOPHY

in faculty of Science (Computer Science)

on the thesis "A comprehensive evolution

of the performance of D.E.S., P.S.A and

N.T.H. Cryptographic systems

with and without grid"

held in the month of October 2009

was this day admitted to the degree.

BERHAMPUR UNIVERSITY, BHANJA BIHAR,
BERHAMPUR-760 007.

Dated the _____

Vice-Chancellor

University of Swahili



To all who read these presents, Greetings Whereas

Dr. Challa Narasimham

Student ID: 5002003070114033

Has honorably and legally completed the studies and duties prescribed by the Faculty, therefore, the Trustees of the University by the authority vested in them have conferred the degree of

Doctor of Science (D.Sc)

In Computer Engineering with Specialization in Cryptography

*Upon the candidate together with all the rights, privileges, honors and marks of distinction which everywhere pertains thereto
In fuller testimony of this action, we have this day affixed our Seals and Signatures at Panama, Republic of Panama*

On the 29th day of December, Two Thousand and Twenty One



[Handwritten signature]

ellor

[Handwritten signature]

GANDHI INSTITUTE OF TECHNOLOGY AND MANAGEMENT





F1583

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

Provisional Certificate Doctor of Philosophy


This is to certify that Mr./Ms. Kothalanka Amarendra has qualified for the award of Doctor of Philosophy (Ph.D.) degree by Research for the Thesis entitled "Safety Verification and Validation Methodology for Safety Critical Systems" and has done all that is necessary for the formal presentation of the Ph.D. degree in the Faculty of Engineering in the year 2017.

Prepared by: 

Verified by: 

Visakhapatnam

Date:25-04-2017


Controller of Examinations

A 52001

Regd. No. : 1260312419

Aadhar No.: 996873133138



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

Ms. Karimisetty Sujatha

has been duly admitted to the

Degree of Doctor of Philosophy

in

Computer Science & Engineering

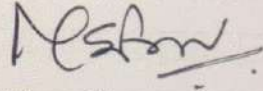
in this University, he/she having been declared to have passed
the examination prescribed therefor held in **October, 2016**

Given under the seal of the University

Visakhapatnam

07th November, 2017




Vice Chancellor

A64256

Regd. No : 1260314423



GANDHI INSTITUTE OF TECHNOLOGY AND MANAGEMENT



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

FACULTY OF ENGINEERING

This is to certify that

Raole Pritee Narendra

has been duly admitted to the degree

of

Doctor of Philosophy

in

Computer Science and Engineering

of this University, he/she having been declared as Qualified

to receive the degree in **March, 2019**

Given under the seal of GITAM

Visakhapatnam

09th November, 2019



Q. S. R. Rao
Vice Chancellor

Reg No: 14012/08

UNIVERSITY OF ALLAHABAD



Doctor of Philosophy in Engineering

Computer Science & Engineering

This is to certify that L. Prasanna Kumar
has been admitted to the degree of Doctor of Philosophy
in Engineering in this University at the Convocation
of 2011 March University of Allahabad.

University of Allahabad.

The 10 MAR 2011

Rajantkaran
Vice-Chancellor.

ANDHRA UNIVERSITY
ఆంధ్ర విశ్వకళాపరిషత్



FACULTY OF ENGINEERING

This is to certify that

Molli Srinivasa Rao

has been duly admitted to the

Degree of Doctor of Philosophy

in **Computer Science and Systems Engineering**

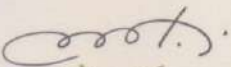
in this University, he/she having been declared to be

qualified to receive the same in **2018**

Given under the Seal of the University

Visakhapatnam, A.P., India.

Date : 9th January, 2019


Vice-Chancellor

A64244

Regd. No. : 1260309419



GANDHI INSTITUTE OF TECHNOLOGY AND MANAGEMENT



GITAM
(DEEMED TO BE UNIVERSITY)

(Estd. u/s 3 of the UGC Act, 1956)

FACULTY OF ENGINEERING

This is to certify that

Srinivasa Rao Bendi

has been duly admitted to the degree

of

Doctor of Philosophy

in

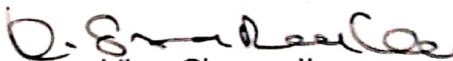
Computer Science and Engineering

of this University, he/she having been declared as Qualified

to receive the degree in **September, 2018**

Given under the seal of GITAM




Vice Chancellor

Visakhapatnam

09th November, 2019

ANDHRA UNIVERSITY
ఆంధ్ర విశ్వకళాపరిషత్



FACULTY OF ENGINEERING

This is to certify that

Viswanadham Sangeetha

has been duly admitted to the

Degree of Doctor of Philosophy

in **Computer Science and Systems Engineering**

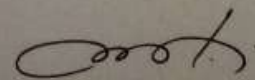
in this University, he/she having been declared to be

qualified to receive the same in **2016**.

Given under the Seal of the University

Visakhapatnam, A.P., India.

Date: 29th July, 2017


Vice-Chancellor



International Institute of Information Technology

Deemed University

Hyderabad, Telangana, INDIA.

<http://www.iiit.ac.in>

PROVISIONAL CERTIFICATE

This is to certify that

Babita Kumari Jain

Roll No. 200672001

having successfully completed all requirements of the

Doctor of Philosophy

degree of this Institute is provisionally awarded the said

degree with effect from 24th November, 2018.

Dated: 12-12- 2018

Intashan
Dean (Academics)

DEAN (Academics) IIC
International Institute of Information Technology
(Deemed University)
Gachibowli, Hyderabad-500 032. India.



ANDHRA UNIVERSITY
ఆంధ్ర విశ్వకళాపరిషత్



FACULTY OF ENGINEERING

This is to certify that

Jetti 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 : 10th February, 2014

[Signature]
Vice-Chancellor



KONERU LAKSHMAIAH EDUCATION FOUNDATION

(Deemed to be University)

Estd. u/s. 3 of the UGC Act, 1956
NAAC Accredited "A" Grade



Aadhaar/Passport/Citizenship : 9371 1684 8319

Faculty of Electronics and Communication Engineering

Sl.No. : 117121

By the authority of Board of Management

Regd No. : 10304003

This is to certify that

Putchu Poorna Priya

has been duly conferred the degree of

Doctor of Philosophy

he / she having been declared to be qualified to receive the same

Given under the seal of the University this day of Twentieth July Two Thousand and Nineteen

Thesis Title: "Design of Circularly Polarised Notch Band Antenna With Defected Ground Structure for Wireless Communication Applications"



C. Suresh
Vice - Chancellor

ANDHRA UNIVERSITY



FACULTY OF SCIENCE

This is to certify that

Balagani Jaganmohan Rao

has been duly admitted to the

Degree of Doctor of Philosophy

*in this University, he having been declared to be
qualified to receive the same in 1980.*

Given under the Seal of the University

WALTAIR
The 25th October 1980

M.R. Apparao
Vice-Chancellor
Ar



श्री चन्द्रशेखरेन्द्रसरस्वती विश्वमहाविद्यालय:
SRI CHANDRASEKHARENDRA SARASWATHI VISWA MAHAVIDYALAYA

(Deemed to be University u/s 3 of the UGC act 1956) (Accredited with 'A' Grade by NAAC)
Enathur, Kanchipuram - 631 561, Tamil Nadu, India



Register Number: RM13EC40

PROVISIONAL CERTIFICATE

FACULTY OF ENGINEERING AND TECHNOLOGY

This is to certify that RAJA RAO BHUPATHI has qualified for the DEGREE OF DOCTOR OF PHILOSOPHY in ELECTRONICS AND COMMUNICATION ENGINEERING, he having been declared eligible to receive the Ph.D. Degree at Convocation of this University. This Degree has been awarded in accordance with the provisions of University Grants Commission (Minimum Standards and Procedure for Award of M.Phil./Ph.D. Degrees) Regulations 2009.

DATE OF VIVA VOCE EXAMINATION: 2ND JULY 2019

Enathur, Kanchipuram

CONTROLLER OF EXAMINATIONS



REGISTRAR

Sl. No. 000665



KONERU LAKSHMAIAH EDUCATION FOUNDATION

(Deemed to be University)

Estd. u/s. 3 of the UGC Act, 1956

**PROVISIONAL CERTIFICATE
(DOCTOR OF PHILOSOPHY)**

KAUSAR JAHAN

This is to certify that Sri. / Smt. / Kum. _____

15304027

Regd. No. : _____

Son / Daughter of _____

MD ABDUL HAQ

has qualified himself / herself for the award of Doctor of philosophy Degree by

Research for the thesis submitted by him / her entitled _____

"MULTI - SENSOR BEARINGS - ONLY TARGET TRACKING"

and that he / she has done all that is necessary for the formal presentation of

Degree of Doctor of Philosophy in _____

ELECTRONICS AND COMMUNICATION ENGINEERING

in the year _____

2022

Date: _____

10.05.2022

CONTROLLER OF EXAMINATIONS

REGISTRAR

ANDHRA UNIVERSITY
ఆంధ్ర విశ్వకళాపరిషత్



FACULTY OF ENGINEERING

This is to certify that

Chintalapati Srinivasu

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 : 10th February, 2014


Vice-Chancellor

ANDHRA UNIVERSITY
ఆంధ్ర విశ్వకళాపరిషత్



FACULTY OF ENGINEERING

This is to certify that

Venkata Lakshmi Narayana K.

has been duly admitted to the

Degree of Doctor of Philosophy

in **Instrument Technology**

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 : 10th February, 2014


Vice-Chancellor

Disposal No. T(2)/9238/2021 Date 16/03/2022

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

ANDHRA UNIVERSITY

2518

Serial No.



PROVISIONAL CERTIFICATE

This is to Certify that Sri / Smt. / Kum. ARAVELLI S.L.K. GOPALAMMA

has qualified himself/herself for the Award of Doctor of Philosophy Degree by Research for the Thesis submitted by him / her entitled DESIGN AND IMPLEMENTATION OF TRANSIENT EARTHING SYSTEM FOR SMART RESILIENT SYSTEMS IN END OF LIFE MANAGEMENT

and that he / she has done all that is necessary for the formal presentation for the Degree of Doctor of Philosophy in ELECTRICAL ENGINEERING in the year 2022.

VISAKHAPATNAM

Dt. 31/03 2022

Initials of the
Clerk who

Prepared : ME
Examined : [Signature]

[Signature]

DEPUTY REGISTRAR (ACADEMIC)



Andhra University Press, Visakhapatnam

ANDHRA UNIVERSITY
ఆంధ్ర విశ్వకళాపరిషత్



FACULTY OF ENGINEERING

This is to certify that

Manda Sridhar

has been duly admitted to the

Degree of Doctor of Philosophy

in **Electrical Engineering**

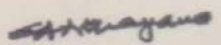
in this University, he/she having been declared to be

qualified to receive the same in **2011**

Given under the Seal of the University

Visakhapatnam, A.P., India.

Date : 29th April, 2016


Vice-Chancellor

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
HYDERABAD - 500 085, ANDHRA PRADESH, INDIA

RF 400078
33566292919



430001145641

Mr. Ch S Naga Prasad

S/o Mr. Chevala Nookaraju

having fulfilled the academic requirements in *May - 2011*
has this day been admitted by the Executive Council to the Degree of

Doctor of Philosophy

Mechanical Engineering

Topic: 'Experimental Investigation on Performance and Emission Characteristics of Diesel Engine using Bio-Diesel as an Alternate Fuel'

Given under the Seal of the University

H. T. No: 0603PH1501

Date: 07-05-2012

N. V. M. Rameshwar Rao



ANDHRA UNIVERSITY
ఆంధ్ర విశ్వకళాపరిషత్



FACULTY OF ENGINEERING

This is to certify that

Harikrishna Karanam

has been duly admitted to the

Degree of Doctor of Philosophy

in **Geo-Engineering**

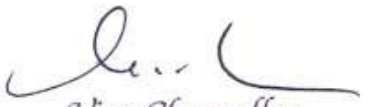
in this University, he/she having been declared to be

qualified to receive the same in **2014**

Given under the Seal of the University

Visakhapatnam, A.P., India.

Date : 29th September, 2014


Vice-Chancellor

ANDHRA UNIVERSITY



FACULTY OF SCIENCE

This is to certify that

Kandregula Sanyaseswara Rao

has been duly admitted to the

Degree of Doctor of Philosophy

*in this University, he having been declared to be
qualified to receive the same in 2006.*

Given under the Seal of the University

VISAKHAPATNAM

29th September, 2007

A. Venugopal Rao

Vice-Chancellor

194

ANDHRA UNIVERSITY
ఆంధ్ర విశ్వకళాపరిషత్



FACULTY OF SCIENCE

This is to certify that

Prabhakara Rao Chitipolu

has been duly admitted to the

Degree of Doctor of Philosophy

in **Mathematics**

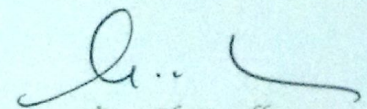
in this University, he/she having been declared to be

qualified to receive the same in **2014**.

Given under the Seal of the University

Visakhapatnam, A.P., India.

Date : 29th September, 2014



Vice-Chancellor

Disposal No. 100/7816/2015, dt. 18/06/2016

ANDHRA UNIVERSITY



Serial No. 77

PROVISIONAL CERTIFICATE

This is to Certify that Sri / Smt. / Kum. CHOPPA NAGESWARA RAO

has qualified himself / herself for the Award of Doctor of Philosophy Degree by Research for the Thesis submitted by him / her entitled "CHEMICAL SPECIATION OF TOXIC METAL ION COMPLEXES OF L-ASPARAGINE AND MALEIC ACID IN AQUA-ORGANIC MIXTURES"

and that he / she has done all that is necessary for the formal presentation for the Degree of Doctor of Philosophy in CHEMISTRY in the year 2016.

VISAKHAPATNAM

Dated 21/06 2016

Initials of the } Prepared : M
Clerk who } Examined : W

M. Hema Dik
DEPUTY REGISTRAR (ACADEMIC)

Sl.No. 000335

Regd.No.10152022



FACULTY OF SCIENCE & TECHNOLOGY

This is to certify that

Volety VS Ramachandram

has been duly admitted to the

Degree of Doctor of Philosophy

in Mathematics

*in this University, he /she having been declared to be qualified
to receive the same in November, 2017*



Given under the seal of the University

Rajamahendrabaram

The 28th November, 2018

Vice - Chancellor



அறிவியற் புலம்
FACULTY OF SCIENCE

மதுரை காமராசர் பல்கலைக்கழக ஆட்சிப்பேரவை
குராதா ரெங்கட உமா காமேஸ்வரி

கணிதவியல் பிரிவில் ஏழாம் பரீட்சையின் நிறைஞர் பட்டம்

பெறுதற்குத் தகுதியுடையவர் என முறையாக அமைக்கப்பெற்ற தேர்வினோர் நவம்பர் 2008 இல் நடைபெற்ற
பரீட்சைகளில் சான்றளித்தவாறு, இரண்டாம் வகுப்பு

பற்று இச்சான்றிதழ் பெறுதற்கு உரியவர் ஆகின்றார் என இதன்வழி அறிவிக்கின்றது.

பல்கலைக்கழக இலச்சினையுடன் இது வழங்கப்படுகின்றது.

The Senate of the **MADURAI KAMARAJ UNIVERSITY**
hereby makes known that **KURADA VENKATA UMA KAMESWARI** has been admitted to the

DEGREE OF MASTER OF PHILOSOPHY IN MATHEMATICS

she having been certified by duly appointed Examiners to be qualified to receive the same, and having been placed by
in the **SECOND CLASS** at the Examination held in **NOVEMBER 2008**

Register No. : **A7A6618001**

Centre Code : **833**

ISSUED ON
23 OCT 2019

Given under the seal of the University

பதிவாளர், மதுரை - 625 021
Madurai - 625 021
Dated 28 September 2019

தேர்வாளர்
Controller of Examinations

பதிவாளர்
Registrar In-charge

துணைவேந்தர்
Vice-Chancellor

A64222

Regd. No. : 1263115201



GANDHI INSTITUTE OF TECHNOLOGY AND MANAGEMENT



GITAM
(DEEMED TO BE UNIVERSITY)

(Estd. u/s 3 of the UGC Act, 1956)

FACULTY OF SCIENCE

This is to certify that

Madhavi Konni

has been duly admitted to the degree

of

Doctor of Philosophy

in

Chemistry

of this University, he/she having been declared as Qualified

to receive the degree in **May, 2019**

Given under the seal of GITAM

Visakhapatnam

09th November, 2019



Q. E. R. R. C. S.

Vice Chancellor

Disposal No. TGW/8032/2016 dt 13/02/2017

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

ANDHRA UNIVERSITY



Serial No. 1073

PROVISIONAL CERTIFICATE

This is to Certify that Sri / Smt. / Kum. GANAPATHI RAO GAJULA

has qualified himself/herself for the Award of Doctor of Philosophy Degree by Research for the Thesis submitted by him / her entitled "INVESTIGATION OF STRUCTURAL, ELECTRICAL AND MAGNETIC PROPERTIES OF DOPED MULTIFERROIC BaTiO₃-Li_{0.5}Fe_{2.5}O₄ SOLID SOLUTIONS".

and that he / she has done all that is necessary for the formal presentation for the Degree of Doctor of Philosophy in PHYSICS in the year 2017..

VISAKHAPATNAM

Dt. 17/02 2017

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

Mr Hema Patil
DEPUTY REGISTRAR (ACADEMIC)

Roll No. 513PH1066



PROVISIONAL

**NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA**

This is to certify that

LAKSHMANA RAO TANGI

has successfully defended the thesis entitled

**"Substitution Induced Structural, Magnetic and Electrical Properties in
LaFeO₃ Nanoparticle"**

on Jan 27, 2021

and has fulfilled all the requirements for the degree of

DOCTOR OF PHILOSOPHY

in the department of

Physics and Astronomy

on Feb 03, 2021

Rourkela
Date: Feb 08, 2021

Dean(Academic)
DEAN (Academic)
National Institute of Technology
ROURKELA-769008 (INDIA)

For verification of contents, please log on to institute website www.nitkl.ac.in

ANDHRA UNIVERSITY



FACULTY OF COMMERCE AND MANAGEMENT STUDIES

This is to certify that

P. B. Rama Kumar

has been duly admitted to the

Degree of Doctor of Philosophy

*in this University, he having been declared to be
qualified to receive the same in 2010.*

Given under the Seal of the University

VISAKHAPATNAM

15th May, 2010

B. S. Ganayya
15-05-10
Vice-Chancellor

ANDHRA UNIVERSITY



FACULTY OF
COMMERCE & MANAGEMENT STUDIES

This is to certify that

Kotnana Rama Rao

has been duly admitted to the

Degree of Doctor of Philosophy

*in this University, he having been declared to be
qualified to receive the same in 1993.*

Given under the Seal of the University

WALTAIR

The 23rd April 1994

A handwritten signature in black ink, appearing to be 'M. Govindarao', written over a horizontal line.

Vice-Chancellor

A handwritten signature in black ink, appearing to be 'H.', written below the name of the Vice-Chancellor.

459

ANDHRA UNIVERSITY
ఆంధ్ర విశ్వకళాపరిషత్



FACULTY OF COMMERCE and
MANAGEMENT STUDIES

This is to certify that

Landa Ramesh

has been duly admitted to the

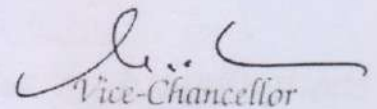
Degree of Doctor of Philosophy

in **Commerce and Management Studies**

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

qualified to receive the same in **2011**

Given under the Seal of the University


Vice-Chancellor

ANDHRA UNIVERSITY



FACULTY OF ENGINEERING

This is to certify that

Moida Venugopala Rao

has been duly admitted to the

Degree of Doctor of Philosophy

in this University, he having been declared to be

qualified to receive the same in 2006.

Given under the Seal of the University

A 53872

Regd. No. : 1267112404

Ar No.: 787024713134



GANDHI INSTITUTE OF TECHNOLOGY AND MANAGEMENT



GITAM
DEEMED UNIVERSITY

(Estd. u/s 3 of the UGC Act, 1956)

FACULTY OF MANAGEMENT

This is to certify that

Omnamahsivaya Boddeda

has been duly admitted to the

Degree of Doctor of Philosophy

in

Management

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

Given under the seal of the University



Visakhapatnam

7th November, 2017


Vice Chancellor