

# Anna University



Reg. No. -081022209/RG

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

*Title of the Thesis:*

**ASSESSMENT OF SOIL AND GROUNDWATER QUALITY DUE TO DUMPING OF MUNICIPAL SOLIDWASTE AND ITS REMEDIATION THROUGH ENERGY RECOVERY IN COIMBATORE , TAMILNADU , INDIA**


*Given under the Seal of the University*




Chennai 600 025  
India  
May 2017

  
Controller of Examinations

  
Registrar

  
Chairman, Corner Committee

  
Vice-Chancellor

**Principal**  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpeta, Hyderabad-97.



# SASTRA UNIVERSITY

Shanmugha Arts, Science, Technology & Research Academy

(A University u/s 3 of the UGC Act, 1956)

*Upon the recommendation of the Faculty and by the  
Authority of the Board of Management  
acting under the powers vested by the Government of India,*

*the University confers on  
**Rajarajeswari A***

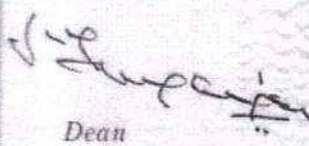
*the degree of*

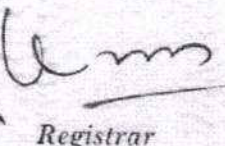
**Doctor of Philosophy**

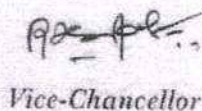
*with all the rights and privileges pertaining thereto for the course-work  
and thesis titled*

**Compressive Strength and Durability Characteristics of  
Mineral Admixture Based Geopolymer Concrete**

*In witness whereof, we have hereunto affixed our signatures and the  
Seal of the University, this day, the Twelfth of August, 2017  
at the University Campus, Thanjavur, India.*

  
Dean

  
Registrar

  
Vice-Chancellor



Principal

TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

HYDERABAD - 500 085, TELANGANA STATE, INDIA

TS 703326



H.T. No. : 1103PH0714

*Mr. S. Narasimha*

*Sl. S. Kistaiah*

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

*Doctor Of Philosophy*

*Electrical And Electronics Engineering*

Topic : "Output Voltage Control of a Three-Phase Multilevel Inverter  
Considering DC Voltage Fluctuations".

Given under the Seal of the University

Date: 21-04-2017



*[Signature]*  
Principal

TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

*[Signature]*

DIRECTOR OF EVALUATION

*[Signature]*

REGISTRAR

*[Signature]*

VICE CHANCELLOR



461061406384

PC No  
316000457

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

HYDERABAD - 500 085, TELANGANA STATE, INDIA

TS 1290966



H.T No. : 1203PH0703

*Mr. Rajukaduru*

*S/o. Gopaiah*

having fulfilled the academic requirements in *January - 2018*  
has this day been admitted by the Execative Council to the Degree of

*Doctor of Philosophy*

*Electrical And Electronics Engineering*

Topic: "Reliability Evaluation of Distribution Systems in the Presence of Distributed Generation".

Given under the Seal of the University

Date: 09-05-2018



*[Signature]*  
Principal

TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

*[Signature]*

DIRECTOR OF EVALUATION

*[Signature]*

REGISTRAR

*[Signature]*

VICE CHANCELLOR



47114109056

PC No  
318000884

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

HYDERABAD - 500 085, TELANGANA STATE, INDIA

TS 1361539



H.T No. : 1203PH0702

*Mr. Md Dulubuddin*

*Sl. No. Md Bashocruddin*

having fulfilled the academic requirements in *January - 2019*  
has this day been admitted by the Executive Council to the Degree of

*Doctor of Philosophy*

*Electrical And Electronics Engineering*

Topic: "Some Aspects of Design and Development of Brain Emotional Controller :  
Application to Non-Linear Systems".

Given under the Seal of the University

Date: 26-04-2019



*Upparam*

DIRECTOR OF EXAMINATION

*Andaia*

REGISTRAR

*[Signature]*  
Principal

JKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

*[Signature]*  
VICE CHANCELLOR



48114109652

PC No  
319021176

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

RF 302687

24619781601



420001024557



*Mr. D V Ravi Sankar*

*S/o Mr. D Rama Mohan Rao*

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

*Doctor of Philosophy*

*Mechanical Engineering*

Topic: 'Critical Analysis and Utilization of Certain Fibre Reinforced  
Polymers for Engineering Applications'

Given under the Seal of the University

H. T. No: 31504ME/PH

Date: 28-04-2011

Principal

TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

DIRECTOR OF EVALUATION

REGISTRAR

VICE-CHANCELLOR



TS 1291055



H.T No. : 0903PH1551

*Mr. G. Gopala Krishna*

*So. Shankaraiah*

having fulfilled the academic requirements in *June - 2017*  
has this day been admitted by the Executive Council to the Degree of

*Doctor of Philosophy*  
*Mechanical Engineering*

Topic: 'Numerical and Experimental Investigation and Optimization of Friction Stir Welding Process Parameters'.

Given under the Seal of the University

Date: 09-05-2018



*[Signature]*  
Principal

TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

*[Signature]*

DEPUTY CHIEF OF EVALUATION

*[Signature]*

REGISTRAR

*[Signature]*

VICE CHANCELLOR



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

HYDERABAD - 500 085, TELANGANA STATE, INDIA.

319001350



SI. No. PC 00956675

PROVISIONAL CERTIFICATE



Hall Ticket No.: 1003PH1537

This is to certify that Ms. K NAVEENALATHA

daughter of Mr. K KISHAN RAO

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

in the faculty of MECHANICAL ENGINEERING

of this University, held in October, 2019 for the thesis entitled,

"Separation and Removal of Dissolved Salts in Ground Water for Industrial Applications by Non Chemical Method".

Principal

TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

Verified by

Hyderabad - T.S.

Date: 16 October 2019

Director of Evaluation

REGISTRAR



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

HYDERABAD - 500 085, TELANGANA STATE, INDIA

TS 1437861



H.T No. : 0903PH1553

*Mr. V Narasimha Reddy*

*S/o. V Keshava Reddy*

having fulfilled the academic requirements in *December - 2019*  
has this day been admitted by the Executive Council to the Degree of

*Doctor of Philosophy*

*Mechanical Engineering*

Topic: "Experimental Analysis of Single and Hybrid Power Transmission System".

Given under the Seal of the University

Date: 16-10-2020



*Upparamb*

DIRECTOR OF EVALUATION

*[Signature]*  
REGISTRAR

*[Signature]*  
Principal

TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

*[Signature]*  
VICE CHANCELLOR



49114181669

PC No  
319001435

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR

ANANTHAPURAMU - 515 002, ANDHRA PRADESH, INDIA

CC 067147



H.T.No:10PH0322

Aadhaar No:610745417618



*H Saidulu*

*No. H Seethala*

*&*

*Malavaath Jeeja*

*having fulfilled the academic requirements in September, 2019 has this day  
been admitted by the Executive Council to the Degree of*

*\*\*\* Doctor of Philosophy \*\*\**

**(Mechanical Engineering)**

**for the Thesis entitled,  
"EXPERIMENTAL ANALYSIS OF GLASS FIBER REINFORCED COMPOSITE LAMINATES WITH  
DIFFERENT MOISTURE CONTENT"**

*Date of Viva Voce : 27.09.2019* Given under the Seal of the University

Saturday, 24 April, 2021.



**Principal**

**TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbovli, Meerpet, Hyderabad-97.**

**DIRECTOR OF EVALUATION**

**REGISTRAR**

**VICE CHANCELLOR**

GANDHI INSTITUTE OF TECHNOLOGY AND MANAGEMENT



**GITAM**  
**DEEMED UNIVERSITY**

(Established by 3 of the UGC Act, 1956)

**FACULTY OF ENGINEERING**

This is to certify that

D Nageswarrao

has been duly admitted to the

*Degree of Doctor of Philosophy*

in

*Electronics and Communication Engineering*

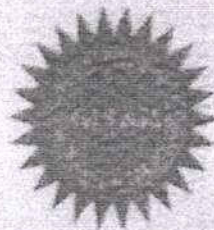
in this University, he/she having been declared to be qualified

to receive the same in January, 2014

Given under the seal of the University

Visakhapatnam

13th September, 2014



Principal

TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

*[Signature]*  
Vice-Chancellor



Roll No.

Enrolment No.

جامعہ ملیہ اسلامیہ  
JAMIA MILLIA ISLAMIA  
(A Central University by an Act of Parliament)  
NAAC Accredited Grade 'A'

## ڈاکٹر آف فلاسفی

کو

امت گنگ اوپادھیائے

تصدیق کی جاتی ہے کہ

”ڈیزائن اینڈ ڈیولپمنٹ آف کپیسٹو واپر سینیئر ویٹھ سٹیبل کنڈیشننگ“

۲۰۱۶ء میں

پر تحقیقی مقالہ منظور ہونے کے بعد ڈاکٹر آف فلاسفی کی سند سے نوازا گیا۔

## DOCTOR OF PHILOSOPHY

This is to certify that

*Amit Gangopadhyay*

after approval of his/her thesis on

*"Design and Development of Capacitive Vapor Sensor with  
Necessary Signal Conditioning "*

in the year 2016

has been awarded the Degree of Doctor of Philosophy..

Musajjil  
(Registrar)

مسجل



Principal

TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

Shaikhul Jamia  
(Vice-Chancellor)

شیخ الجامعہ



# ANNA UNIVERSITY CHENNAI - 600 025

## PROVISIONAL CERTIFICATE

Folio No.: PAR014238

This is to certify that the candidate has qualified for the award of *Degree of Doctor of Philosophy* in compliance of the UGC Regulations 2009 as detailed below:

Name : PRINZA L

Registration Number : 1423489125

Degree : Ph.D.

Department/Centre : ELECTRONICS AND COMMUNICATION ENGINEERING

Faculty : INFORMATION AND COMMUNICATION ENGINEERING

Date, Month & Year of Viva-Voce Examination held : 13.11.2017

Title of the Thesis : ENHANCED ENTROPY THRESHOLDING METHODOLOGY IN EEG ANALYSIS FOR ALZHEIMER'S DISEASE DETECTION



Chennai - 600 025

Date: 15-DEC-17

Controller of Examinations

Principal

TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbawli, Meerpet, Hyderabad-97.

Enrollment/Roll No. SSSEC1536

श्री सत्य साई यूनिवर्सिटी ऑफ टेक्नोलॉजी एण्ड मेडिकल साइंसेस, सीहोर  
SRI SATYA SAI UNIVERSITY OF TECHNOLOGY & MEDICAL SCIENCES, SEHORE

डॉक्टर ऑफ फिलॉसफी  
प्रमाणित किया जाता है कि  
पोरेडुडी गायत्री

को इस विश्वविद्यालय के इलेक्ट्रॉनिक्स एण्ड कम्यूनिकेशन इंजीनियरिंग विषय में  
डॉक्टर ऑफ फिलॉसफी की उपाधि से वर्ष 2019 में विभूषित किया गया।

इनके शोध प्रबंध का विषय है :-

"Design and Implementation of an Efficient Combinational Logic Circuits  
Using Quantum Dot Cellular Automata".

DOCTOR OF PHILOSOPHY

This is to certify that

POREDDY GAYATHRI

has been

awarded to the degree of DOCTOR OF PHILOSOPHY

in the subject ELECTRONICS AND COMMUNICATION ENGINEERING of this University

in the year 2019

The title of his/her thesis is :-

"Design and Implementation of an Efficient Combinational Logic Circuits Using  
Quantum Dot Cellular Automata".



सीहोर (म.प्र.), भारत, दिनांक  
Sehore (M.P.), INDIA, Date

25-February-2020

कुलसचिव  
Registrar

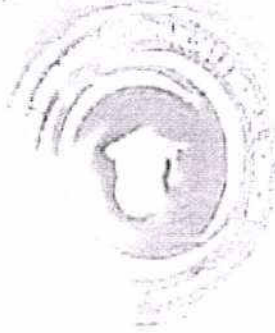
Principal

TKR College of Engineering & Technology  
(AUTONOMOUS)

Medbowli, Meerpet, Hyderabad-97.

विश्वविद्यालय ऑफ टेक्नोलॉजी एण्ड मेडिकल साइंसेस, सीहोर  
UNIVERSITY OF TECHNOLOGY & MEDICAL SCIENCES, SEHORE

श्री कुरु  
SRI SATYU



डॉक्टर ऑफ फिलॉसफी  
प्रमाणित किया जाता है कि  
कुरुहुरु पद्मजा देवी

को इस विश्वविद्यालय के इलेक्ट्रॉनिक्स एण्ड कम्युनिकेशन इंजीनियरिंग विषय में  
डॉक्टर ऑफ फिलॉसफी की उपाधि से वर्ष 2019 में विभूषित किया गया।

इनके शोध प्रबंध का विषय है :-

"Automatic Extraction and Characterization of Vegetation Structures for  
Agriculture and Food Processing Using Image Processing Algorithms".

DOCTOR OF PHILOSOPHY

This is to certify that

KURUHURU PADMAJA DEVI has been  
awarded to the degree of DOCTOR OF PHILOSOPHY  
in the subject **ELECTRONICS AND COMMUNICATION  
ENGINEERING** of this University  
in the year 2019

The title of his/her thesis is :-

"Automatic Extraction and Characterization of Vegetation Structures for  
Agriculture and Food Processing Using Image Processing Algorithms".



*(Signature)*

सीहोर (म.प्र.), भारत, दिनांक  
Sehore (M.P.), INDIA, Date

16 January 2020

कुलसचिव  
Registrar

Principal

TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

Scanned with CamScanner





CC082681

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR



ANANTHAPURAMU - 515 002, ANDHRA PRADESH, INDIA

H.T.No: 0803PH08A18

*Mahesh*

*Sh. Mallikarjunappa*

having fulfilled the academic requirements in November, 2018 has this day  
been admitted by the Monitoring & Development Committee to the Degree of

*Doctor of Philosophy*  
(Electronics & Communication Engineering)

for the Thesis entitled,  
"FEATURE BASED IMAGE REGISTRATION AND IMAGE MOSAICING"

Saturday, 27 December, 2018.

Given under the Seal of the University

Director of Evaluation

Registrar

Vice Chancellor

Principal  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

Serial No.: } 18Ph.D.06  
क्रम संख्या: }

Registration No.: } 2K13-Ph.D-ECE-236  
पंजीकरण संख्या: }

## National Institute of Technology, Hamirpur (Himachal Pradesh)

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

*Doctor of Philosophy*

*in*

*Electronics & Communication Engineering*

*on*

**MEKALA GIRISH KUMAR**

THESIS TITLE: INVESTIGATIONS IN CNT AND GRAPHENE INTERCONNECTS FOR DEEP SUBMICRON TECHNOLOGIES

*Given at Hamirpur (H.P.) on this day under the seal of the Institute in the Republic of India.*

### राष्ट्रीय प्रौद्योगिकी संस्थान, हमीरपुर (हिमाचल प्रदेश)

अभिषेक की अनुसंधान पर

विद्या वाचस्पति की उपाधि

इलेक्ट्रॉनिक्स एंड कम्युनिकेशन इंजीनियरिंग एतद्द्वारा

**मेकाला गिरीश कुमार**

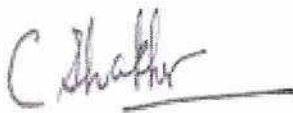
को प्रदान करता है।



**Principal**  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

शोधप्रबन्ध शीर्षक: इन्वेस्टिगेशन्स इन सीएनटी एंड ग्राफीन इंटरकनेक्ट्स फॉर डीप सबमाइक्रोन टेक्नोलोजीज

भारतीय गणतन्त्र के अन्तर्गत हमीरपुर (हि.प्र.) में इस दिनांक को संस्थान की मुद्रा अंकित यह उपाधि दी गई।



Chairman, Board of Governors  
अध्यक्ष, अभिशासक परिषद



Director & Chairman, Senate  
निदेशक एवं अध्यक्ष, अभिषेक



Registrar  
कुलसचिव



1385

# National Institute of Technology, Warangal



upon the recommendation of the Senate  
hereby confers the degree of

## Doctor of Philosophy

on

Mr. A. Suresh Rao

(Roll No: 700725 )

who has successfully completed the prescribed requirements for the award  
of the degree and passed the examination in May 2014 in the Department of

## Computer Science & Engineering


Given under the seal of the Institute at Warangal  
in the Republic of India on the Ninth day of August Two Thousand Fourteen

Title of the Thesis: *Some Studies on Sequential Pattern Mining Over Progressive Databases*



  
DIRECTOR &  
CHAIRMAN, SENATE



  
CHAIRMAN  
BOARD OF GOVERNORS



Principal  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpeta, Hyderabad-97.

श्री सत्य साई यूनिवर्सिटी ऑफ टेक्नोलॉजी एण्ड मेडिकल साइंसेस, सीहोर  
SRI SATYA SAI UNIVERSITY OF TECHNOLOGY & MEDICAL SCIENCES, SEHORE



डॉक्टर ऑफ फिलॉसफी  
प्रमाणित किया जाता है कि  
एम. नरेन्द्र

को इस विश्वविद्यालय के कंप्यूटर साइंस एंड इंजीनियरिंग विषय में  
डॉक्टर ऑफ फिलॉसफी की उपाधि से वर्ष 2017 में विभूषित किया गया।  
इनके शोध प्रबंध का विषय है :-

"Formal Verification and Validation of the Mobile Nodes using NNDRP"

DOCTOR OF PHILOSOPHY

This is to certify that

M. NARENDAR

has been

awarded to the degree of DOCTOR OF PHILOSOPHY  
in the subject Computer Science and Engineering of this University  
in the year 2017

The title of his/her thesis is :-

"Formal Verification and Validation of the Mobile Nodes using NNDRP"



सीहोर (म.प्र.), भारत, दिनांक  
Sehore (M.P.), INDIA, Date

21-March-2018

कुलसचिव  
Registrar

Principal

TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.



KONERU LAKSHMAIAH EDUCATION FOUNDATION

(DEEMED TO BE UNIVERSITY u/s 3 of UGC ACT 1956)

**KL University**

(NAAC ACCREDITED 'A' GRADE UNIVERSITY)

Sl.No. 105015

Regd No. 10303014

Faculty of Computer Science and Engineering

By the authority of Board of Management

This is to certify that

*Babba Veeramallu*

has been duly admitted to 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 Twenty Third January Two Thousand and Sixteen

Thesis Title: *"The Security of Constant Cipher Text Policy - Attribute Based Encryption Using Pattern Based Algorithm"*



*[Signature]*

Principal

TKR College of Engineering & Technology

(AUTONOMOUS)

Medbowli, Meerpet, Hyderabad-97. Vice - Chancellor

Sl.No. 17400381

క్రమసంఖ్య



Register No.

రిజిస్టర్ నెం. PP.COMP.SCI.&ENG.02760

# RAYALASEEMA UNIVERSITY



## రాయలసీమ విశ్వవిద్యాలయము

### FACULTY OF PHYSICAL & LIFE SCIENCES

### ఫ్యాకల్టీ ఆఫ్ ఫిజికల్ & లైఫ్ సైన్సెస్

Rayalaseema University hereby confers the Degree of  
రాయలసీమ విశ్వవిద్యాలయం ఇందుమూలంగా పట్టా ప్రధానంచేసిస్తే

## DOCTOR OF PHILOSOPHY

on CHAGANTI B N LAKSHMI

Son / Daughter of V PARDHASARADHI కుమారుడు/కుమార్తె

in recognition of his / her research work on "AN EFFICIENT ROUTING PROTOCOL FOR WIRELESS SENSOR NETWORKS USING ANT COLONY OPTIMIZATION METAHEURISTICS."

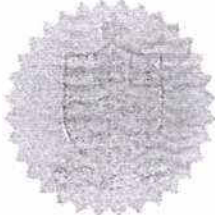
అనే అంశంపై అతడు / ఆమె కొనసాగించిన పరిశోధనకు గుర్తింపుగా

In the Department of COMPUTER SCIENCE & ENGINEERING విభాగంలో

He / she having been found duly qualified for the same in December - 2017  
అతడు / ఆమె తగిన అర్హత సాధించినట్లుగా ప్రకటించబడ్డనది.

Adhar No.:  
ఆధార్ నంబర్ :

Given under the Seal of the University  
విశ్వవిద్యాలయ అధికారములో జారీచేయబడ్డనది.



*[Signature]*  
Vice-Chancellor  
ఉపకులపతి

Kurnool - 518 007, A.P., India.  
కర్నూలు-518 007. ఆంధ్రప్రదేశ్, భారతదేశము  
Date: 12-05-2022  
తేదీ:

Sl.No. 17400378  
క్రమసంఖ్య



Register No.

రిజిస్టర్ నెం.

PP.COMP.SCI.0071

# RAYALASEEMA UNIVERSITY



రాయలసీమ విశ్వవిద్యాలయము

FACULTY OF PHYSICAL & LIFE SCIENCES

ఫ్యాకల్టీ ఆఫ్ ఫిజికల్ & లైఫ్ సైన్సెస్

Rayalaseema University hereby confers the Degree of  
రాయలసీమ విశ్వవిద్యాలయం ఇందుమూలంగా పట్టా ప్రధానంచేస్తూ

**DOCTOR OF PHILOSOPHY**

on VEMPATI KRISHNA

Son / Daughter of NAGESWARARAO

కుమారుడు/కుమార్తె

in recognition of his / her research work on "INVESTIGATION ON LOSSLESS IMAGE COMPRESSION USING SEQUENTIAL APPROACH"

అనే అంశంపై అతడు / ఆమె కొనసాగించిన పరిశోధనకు గుర్తింపుగా

In the Department of COMPUTER SCIENCE విభాగంలో

He / she having been found duly qualified for the same in February - 2019

అతడు / ఆమె తగిన అర్హత సాధించినట్లుగా ప్రకటించడమైనది.

Aadhar No.:

ఆధార్ సంఖ్య :

Given under the Seal of the University

విశ్వవిద్యాలయ అధికారమునందే జారీచేయడమైనది.



Kurnool - 518 007. A.P., India.

కర్నూలు-518 007. ఆంధ్రప్రదేశ్, భారతదేశము

Date : 12-05-2022

తేదీ :

Principal

Vice-Chancellor

ఉపకులపతి

TKR College of Engineering & Technology

(AUTONOMOUS)

Medbowli, Meerpet, Hyderabad-97.

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR**

ANANTHAPURAMU - 515 002, ANDHRA PRADESH, INDIA

CC 033911

H.T.No:10PH0505

Aadhaar No:605691994690



*B Sunil Trinivas*

*Ho. Satyanarayana*

*&*

*Banda Chandrakala*

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

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

*\*\*\* Doctor of Philosophy \*\*\**

**(Computer Science & Engineering)**

**for the Thesis entitled,**

**"DISTRIBUTIONAL FEATURE APPROACHES FOR TEXT CATEGORIZATION"**

**Date of Viva Voce: 13.11.2018** Given under the Seal of the University

**Wednesday, 27 February, 2019.**



*Suppl...*

DEPUTY DIRECTOR OF EXAMINATIONS

*...*

REGISTRAR

*I. Trinivas Kumar*

VICE CHANCELLOR

**Principal**

**TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.**



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD  
HYDERABAD - 500 085, TELANGANA STATE, INDIA

TS 1503171



H.T. No.: 1103PH0659

*Mr. Chinapaga Ravi*

*No. Chandraiah*

having fulfilled the academic requirements in *September - 2021*  
has been admitted by the Executive Council to the Degree of

*Doctor of Philosophy*

*Computer Science And Engineering*

Topic: "A Framework for Mining Contrastive and Correlated Items from Uncertain Data".

Given under the Seal of the University

Date: 26-02-2022



REGISTRAR



410114100166

Principal

TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

PC No  
121001842

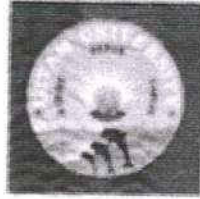
A 51997

Regd. No. : 1260312205

Aadhar No. : 643333262136



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

**Mr. K Satish Kumar**

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 **July, 2017**

Principal

TKR College of Engineering & Technology

(AUTONOMOUS)

Medbowli, Meerpet, Hyderabad-97.

Given under the seal of the University



# Anna University



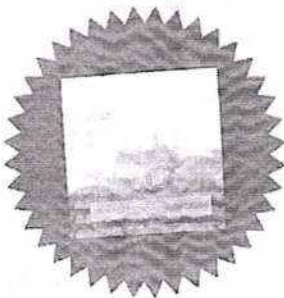
Reg.No. 16154897175/RG



*The Syndicate of the Anna University hereby makes known that*  
**VICKY NAIR** *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 2020. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2016".*

*Title of the Thesis:*

**MORPHOLOGICAL FILTER AND OBJECT ORIENTED TECHNIQUES FOR SHADOW DETECTION AND REMOVAL FROM URBAN HIGH RESOLUTION IMAGES**



*Given under the Seal of the University*

Chennai 600 025  
India  
March 2021  
HARSHALI

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

Principal  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.



# श्री वैकटेश्वरा विश्वविद्यालय उत्तर प्रदेश

एन० एच० 24, राजबपुर, गजरावा, जिला अमरोहा-244236, उत्तर प्रदेश (भारत)  
की कार्यकारी परिषद विद्वत् परिषद की संस्तुति पर

Serial No / क्रमांक:- 1600409

Enrollment No / अनुक्रमक सं० : SVU13010406

राजेश बनाला जिन्होंने डॉक्टर ऑफ फिलॉसफी की उपाधि हेतु निर्धारित पाठ्यक्रम सितम्बर, 2018 में पूरा किया, को उक्त उपाधि आज दिनांक 15 नवम्बर, 2019 को विश्वविद्यालय अनुदान आयोग के अधिनियम 2009 के अंगुल्य प्रदान की गयी।

मुख्य विषय - कंप्यूटर साइंस एण्ड इंजीनियरिंग

शीर्षक - सिमुलेशन ऑफ डेटा सेंट्रिक प्रोटोकॉल फॉर वायरलेस सेंसर नेटवर्कस

## On the recommendations of the Academic Council, the Executive Council of SHRI VENKATESHWARA UNIVERSITY UTTAR PRADESH

NH-24, Rajabpur, Gajraula, District - Amroha-244236, Uttar Pradesh (India)

**RAJESH BANALA** having completed the prescribed requirements for the **DOCTOR OF PHILOSOPHY** in **September, 2018**, as per UGC regulation 2009, has been admitted to the said degree on this date **15th November, 2019**.

Major - **COMPUTER SCIENCE & ENGINEERING**

Title - **SIMULATION OF DATA CENTRIC PROTOCOL FOR WIRELESS SENSOR NETWORKS**

कुलसचिव  
Registrar

Principal  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

Vice Chancellor

कुलसचिव  
Chancel

Reg. No. \_\_\_\_\_

ACHARYA

# NAGARJUNA UNIVERSITY



## FACULTY OF ENGINEERING

This is to certify that

*N. Satyanarayana*  
*s/o N. Chaitanya*  
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 2009 in Computer Science and Engineering

Given under the Seal of the University

NAGARJUNANAGAR

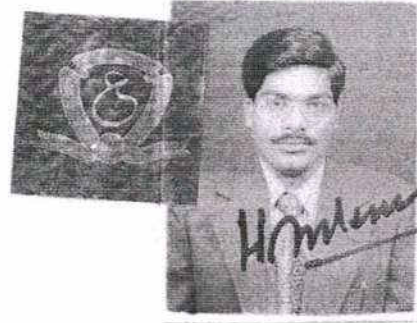
522 510

The 14 MAR 2009

Principal  
College of Engineering & Technology  
(AUTONOMOUS)  
Jbopli, Meerpet, Hyderabad-97.

*[Signature]*  
Vice-Chancellor

# Osmania University



Faculty of *Science*

This is to certify that *Bhoojy Rajini Sankar*  
son/daughter of *Sanardhana Chary*  
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 *Physics*

The title of the thesis is *"Magnetic and Electrical  
Properties of Low Temperature Sintered  
Ni-Cu Zn Ferrites."*

The candidate has been declared qualified for the award of the  
Degree of Ph. D. on *16th December 2005*.

Given under the seal of the University

Hyderabad

Date *7* JAN 2006

  
Principal

TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

  
Vice-Chancellor

# Indian Institute of Technology Kharagpur

Upon the recommendation of the Senate  
hereby confers the degree of

**Doctor of Philosophy**

in  
**Science**

on **Bandaru Narasimha**

Given this day under the seal of the Institute at Kharagpur in the  
Republic of India.

The 12th March 1990.

Title of thesis: *Optical Absorption, Thermoluminescence, Dielectric properties and thermal expansion of x-ray or  $\gamma$ -ray irradiated  $BaF_2$  subjected to Electric Fields or Laser excitation and preparation and Dielectric properties of  $NdPO_4$  and  $LaPO_4$ .*

Registered in: *Department of Physics and Meteorology*

  
Registrar



  
Principal

Principal  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

1000518

**AcSIR**

वैज्ञानिक और नवीकृत अनुसंधान अकादमी

**ACADEMY OF SCIENTIFIC AND INNOVATIVE RESEARCH**

(Established by an Act of Parliament as an Institution of National Importance)

Sl. No. 2017/10/138

UPON THE RECOMMENDATION OF THE FACULTY

CERTIFIES THAT

*Mr. T. Naveen Reddy*

WAS AWARDED THE DEGREE OF

**DOCTOR OF PHILOSOPHY IN SCIENCE**

ON 15<sup>th</sup> JUNE 2017 IN RECOGNITION OF SCIENTIFIC ACCOMPLISHMENTS AND THE CAPABILITY TO CARRY ON RESEARCH AS DEMONSTRATED BY COMPLETION OF A THESIS BEARING THE TITLE

**Bio-inspired Strategy to Assemble Graphene Oxide Based Materials with**

**Inorganic Nanostructures for Photocatalytic Applications**

AT CSIR-Indian Institute of Chemical Technology, Hyderabad

THE DEGREE WAS CONFERRED ON HIM ON 6<sup>th</sup> SEPTEMBER 2017



**Principal**

TKR College of Engineering & Technology  
(AUTONOMOUS)

Medbowli, Meerpeta, Hyderabad-97.

**Chancellor**



Director

*Hyderabad Professor*



Central Institute of English and Foreign Languages



This is to certify that  
*Mr. Sudha Mohanani*


has presented a course of study prescribed by this Institute and  
having fulfilled the requirements by examination and by dissertation,  
has been admitted to the degree of

Doctor of Philosophy  
in English,  
the field of study being  
*Linguistics & Phonetics*

Hyderabad  
22.04.1996

(The)  
Registrar

(Signature)  
Director

  
Principal  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbawli, Meerpet, Hyderabad-97.

Regd. No.

00018

ACHARYA NAGARJUNA UNIVERSITY  
ఆచార్య నాగార్జున విశ్వవిద్యాలయము



FACULTY OF PHYSICAL SCIENCES

*This is to certify that*

Mr./Ms. *Anil Kumar B. V. S. R. A.*

*has been duly admitted to the*

*Degree of Doctor of Philosophy*

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

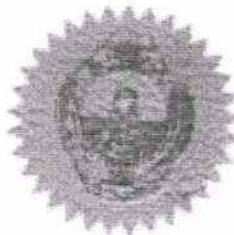
*be qualified to receive the same in 2012*

*in Mathematics*

*Given under the Seal of the University*

Principal

TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.



*K. V. S. R. A.*  
Vice-Chancellor

Nagarjuna Nagar 522 510.

A. P. India

Date: 6 AUG 2012

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR

ANANTHAPURAMU - 515 002, ANDHRA PRADESH, INDIA

CC005852

H.T.No:11PH0902

Aadhar No:425294986704



*Uma Devi*

*Dr. Shankarappa*

*having fulfilled the academic requirements in May, 2017 has this day  
been admitted by the Executive Council to the Degree of*

*Doctor of Philosophy*  
(Mathematics)

for the Thesis entitled,  
"MATHEMATICAL ANALYSIS OF NON-NEWTONIAN FLUID FLOWS IN CONSTRICTED TUBES"

Date of Viva Voce : 22.05.2017

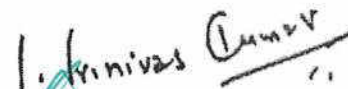
Monday, 19 February, 2018.

Given under the Seal of the University



  
DIRECTOR OF EVALUATION

  
REGISTRAR

  
VICE-CHANCELLOR

Principal  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

Sl. No. 00832



# Sri Krishnadevaraya University



## Faculty of Science

Reg. No. ....

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

on R.P. Sreedevi

Son / Daughter of R.P. Gopala Krishna

in recognition for his/ her research work on  
"EFFICIENCY OF TECHNICAL INSTITUTIONS THROUGH DEA APPROACH - A CASE STUDY"

in the Department of Statistics

he / she having been found duly qualified for the same in 01-11-2010

01 November 2010

Given under the seal of the University



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

Dated : 18 MAR 2013

**Principal**  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

*K. B. Reddy*  
Vice-Chancellor



# Indian Institute of Technology, Madras

*heroby confers the degree of*

**Doctor of Philosophy**

*of the Institute*

*on*

**DURAI ARUL NEYAM**

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

**BIODEGRADATION OF VOLATILE ORGANIC VAPOURS IN BIOFILTER**

*Given this day the Twentieth of July, 2000  
under the seal of the Institute.*



*B. C. Srinivasan*  
Registrar

*D. N. Srinivasan*  
Director

*[Signature]*  
Chairman Board of Governors

**Principal**  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

# Anna University



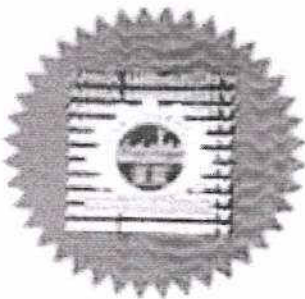
Reg. No. 4081022209/RGG

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

*Title of the Thesis:*

**ASSESSMENT OF SOIL AND GROUNDWATER QUALITY DUE TO DUMPING OF MUNICIPAL SOLIDWASTE AND ITS REMEDIATION THROUGH ENERGY RECOVERY IN COIMBATORE , TAMILNADU , INDIA**

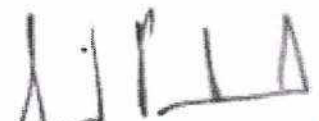
*Given under the Seal of the University*




Cheeratt 600 025  
India  
May 2017

  
Controller of Examinations

  
Registrar

  
Chairman, Controller Committee  
Vice-Chancellor

  
Principal  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

1385

# National Institute of Technology, Warangal



upon the recommendation of the Senate  
hereby confers the degree of

## Doctor of Philosophy

on

Mr. A. Suresh Rao

(Roll No: 700725 )

who has successfully completed the prescribed requirements for the award  
of the degree and passed the examination in May 2014 in the Department of

## Computer Science & Engineering

Given under the seal of the Institute at Warangal  
in the Republic of India on the Ninth day of August Two Thousand Fourteen

*Title of the Thesis : Some Studies on Sequential Pattern Mining Over Progressive Databases*



  
DIRECTOR &  
CHAIRMAN, SENATE



  
CHAIRMAN  
BOARD OF GOVERNORS

Principal

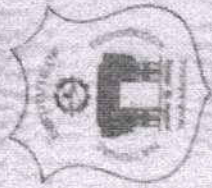
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

00023

MSH No. P150023

# National Institute of Technology Warangal

upon the recommendation of the Senate  
hereby confers the degree of



## Doctor of Philosophy

on

Mr. Somaraju Suvvari  
(Roll No: 701009 )

who has successfully completed the prescribed requirements for the award  
of the degree and passed the examination in January 2015 in the Department of

## Computer Science and Engineering

Given under the seal of the National Institute of Technology Warangal  
in the Republic of India on the Thirteenth day of December Two Thousand Fifteen

Title of the Thesis : DATA MINING ALGORITHMS FOR CERTAIN IN-DEPTH ANALYSIS ON FREQUENT PATTERNS IN LARGE  
DATABASES



*[Signature]*  
CHAIRMAN  
SENATE & BOARD OF GOVERNORS

Principal  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.



D09CS00&PH

A40-F-B2-CS-124

# ಬೆಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾಲಯ Bangalore University



## Faculty of Engineering

ಬೆಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಕುಲಾಧಿಪತಿ, ಸಹಕುಲಾಧಿಪತಿ  
*We, the Chancellor, the Pro-Chancellor, the Vice-Chancellor*  
ಕುಲಪತಿ, ಸಿಂಡಿಕೇಟ್ ಮತ್ತು ವಿದ್ಯಾವಿಷಯಕ ಪರಿಷತ್ತಿನ ಸದಸ್ಯರಾದ ನಾವು  
*the members of the Syndicate & Academic Council*

Verify that

*Kunda Venkata Prasad*

ಅವರು  
ಯಥಾವೇಗವಾಗಿ ಈಗಾಗಲೇ ವ್ಯವೇಶ ಪಡೆದಿರುವರೆಂದು ದೃಢೀಕರಿಸುತ್ತಾ,  
*has been duly admitted to the Degree of*

## Doctor of philosophy

ಪದವಿಗ ಅಗತ್ಯವಾದ ಅರ್ಹತೆಗಳನ್ನು ಪೂರೈಸಿ ಪಂಗಡಿತವಾಗಿರುವ ಕಾರಣ  
*in recognition of the fulfilment of requirements*  
ಮೇಲೆ ಕಾಣಿಸಿದ ಪದವಿಗ ಅಪರನ್ನು ಅಂಗೀಕರಿಸಲಾಗಿದೆ. ಈ ಪದವಿಯ ವಿವರಗಳು ಹೀಗಿವೆ  
*for the said degree as indicated below*

ಪರೀಕ್ಷೆಯ ವರ್ಷ *February 2016*

*Year of Examination*

ಅಭ್ಯಯನ ವಿಷಯ *Clustering With Multiple Preference Points Based*  
*Similarity Measure*

ವಿಶ್ವವಿದ್ಯಾಲಯದ ಅಧಿಕಾರವಹಿಸಿ ನೀಡಲಾಗಿದೆ  
*Given under the seal of the University*



ಜನಗುರು

*Bangalore*

ದಿನಾಂಕ *05.03.2016*

*Date*

*M. Prasad*  
ಕುಲಪತಿ  
*Chancellor*

*L. H. ...*

ಕುಲಪತಿ  
*Vice-Chancellor*

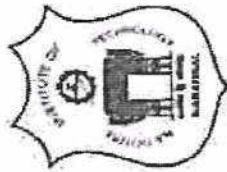
Principal

TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

0052

MSH No. 150052

# National Institute of Technology Warangal



*upon the recommendation of the Senate  
hereby confers the degree of*

## Doctor of Philosophy

on

**Ramesh Karnati**  
(Roll No: 701074 )

*who has successfully completed the prescribed requirements for the award  
of the degree and passed the examination in November, 2017 in the Department of*

## Computer Science and Engineering

*Given under the seal of the National Institute of Technology Warangal  
in the Republic of India on the Eleventh day of November Two Thousand Seventeen*

*Title of the Thesis : Novel Approaches for Incremental Mining of Sequential Patterns*



**Principal**  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.  
**CHAIRMAN**  
SENATE & BOARD OF GOVERNORS



அண்ணாமலைப் பல்கலைக்கழகம்

ANNAMALAI UNIVERSITY



பொறியியற்புலம்

FACULTY OF ENGINEERING AND TECHNOLOGY

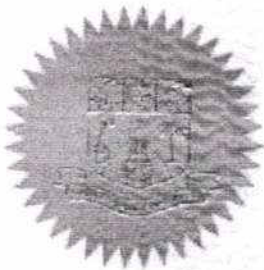
ஜூலை, 2016 இல் கணினி அறிவியல் மற்றும் பொறியியல் பிரிவில் நடத்திய தேர்வுகளில் உட்பிர நிரேஷ் ம தேர்ச்சியடைந்து ஆய்வேட்டை மதிப்பிட முறையாக அமைக்கப்பெற்ற தேர்வுக்குழுவினர் சான்றளித்தபடி, ஆய்வியல் அறிஞர் பட்டம் பெறுவதற்கு உரியவர் ஆகின்றார் என அண்ணாமலைப் பல்கலைக்கழக ஆட்சிக் குழு இதன்வழி அறிவிக்கின்றது.

The Syndicate of the ANNAMALAI UNIVERSITY hereby makes known that UPPARA NARESH has been admitted to the Degree of DOCTOR OF PHILOSOPHY in COMPUTER SCIENCE & 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 SCHEDULING OPTIMIZATION IN CLOUD COMPUTING ENVIRONMENTS

பல்கலைக்கழக முத்திரை பெறுகின்றது  
Given under the seal of the University



அண்ணாமலைநகர்  
Annamalainagar  
நாள்:  
Dated: 30/01/2017

துணை தேர்வாயைப்பர் (கல்விசார்ந்த)  
Dy. Controller of Examinations (Academic)

பதிவாளர் (பொதுப்பு)  
Registrar (w/c)

துணை வேந்தர்  
Vice-Chancellor

Principal  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Adbowli, Meerpet, Hyderabad-97.

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR**

ANANTHAPURAMU - 515 002, ANDHRA PRADESH, INDIA

CC 033911

H.T.No:10PH0505

Aadhaar No:605691994690



*B Sunil Trinivas*

*Dr. Satyanarayana*

*&*

*Banda Chandrakala*

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

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

*\*\*\* Doctor of Philosophy \*\*\**

(Computer Science & Engineering)

for the Thesis entitled,

"DISTRIBUTIONAL FEATURE APPROACHES FOR TEXT CATEGORIZATION"

Date of Viva Voce: 13.11.2018 Given under the Seal of the University

Wednesday, 27 February, 2019.



*[Signature]*  
DIRECTOR OF EVALUATION

*[Signature]*  
REGISTRAR

*[Signature]*  
VICE CHANCELLOR

Principal  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpeta, Hyderabad-97.

A 51997

Regd. No. : 1260312205

Aadhar No.: 643333262136



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

**Mr. K Satish Kumar**

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 **July, 2017**

**Principal**

Given under the seal of the University

TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.



*Handwritten signature*

श्री सत्य साई यूनिवर्सिटी ऑफ टेक्नोलॉजी एण्ड मेडिकल साइंसेस, सीहोर  
SRI SATYA SAI UNIVERSITY OF TECHNOLOGY & MEDICAL SCIENCES, SEHORE



डॉक्टर ऑफ फिलॉसफी  
प्रमाणित किया जाता है कि  
एम. नरेन्द्र

को इस विश्वविद्यालय के कंप्यूटर साइंस एंड इंजीनियरिंग विषय में  
डॉक्टर ऑफ फिलॉसफी की उपाधि से वर्ष 2017 में विभूषित किया गया।  
इनके शोध प्रबंध का विषय है :-

"Formal Verification and Validation of the Mobile Nodes using NNDRP"

**DOCTOR OF PHILOSOPHY**

This is to certify that

**M. NARENDAR**

has been

awarded to the degree of **DOCTOR OF PHILOSOPHY**  
in the subject **Computer Science and Engineering** of this University  
in the year 2017

The title of his/her thesis is :-

"Formal Verification and Validation of the Mobile Nodes using NNDRP"



  
कुलसचिव

सीहोर (म.प्र.), भारत, दिनांक  
Sehore (M.P.), INDIA, Date

21-March-2018

Principal

TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.



KONERU LAKSHMAIAH EDUCATION FOUNDATION

(DEEMED TO BE UNIVERSITY u/s 3 of UGC ACT 1956)

**K.L. University**

(NAAC ACCREDITED 'A' GRADE UNIVERSITY)

Sl.No : 105015

Regd No. : 10303014

Faculty of Computer Science and Engineering

By the authority of Board of Management

This is to certify that

*Bobba Veeramallu*

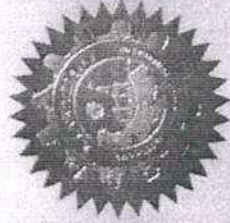
has been duly admitted to the degree of

**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 Twenty Third January Two Thousand and Sixteen

Thesis Title: *"The Security of Constant Cipher Text Policy - Attribute Based Encryption Using Pattern Based Algorithm"*



Principal

TKR College of Engineering & Technology  
(AUTONOMOUS)

Medchal, Chaitanyapur  
Hyderabad-97.

# 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

*D NAGESWARAO*

has been duly admitted to the

*Degree of Doctor of Philosophy*

in

*Electronics and Communication Engineering*

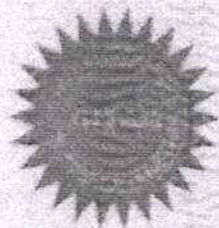
in this University, he/she having been declared to be qualified

to receive the same in January, 2014

Given under the seal of the University

Visakhapatnam

13th September, 2014



*[Signature]*  
Vice-Chancellor

**Principal**  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.



# Anna University



Reg. No.:2003439711/RG

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

Title of the thesis:

**TAMIL TEXT IMAGE PROCESSING - RESTORATION AND CHARACTER RECOGNITION**


Given under the Seal of the University



Chennai 600 025  
India  
January 2012

  
Controller of Examinations

  
Registrar

  
Principal  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

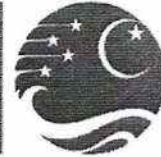
  
Vice-Chancellor

SL.No.: B 000596

Reg. No. : 0984203

## B.S.ABDUR RAHMAN UNIVERSITY

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



*By the authority of the Board of Management  
and upon the recommendation of  
School of Electrical and Communication Sciences*

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

*Nallathai. P*

*the degree of Doctor of Philosophy in  
Electronics and Communication Engineering  
with all its rights, privileges and honours  
for successfully completing the prescribed programme of study and  
presenting the thesis entitled  
"Development of a Non-iterative Method of Matrix Factorization  
for Image Compression and Transmission of the Factorized Coefficients  
Using Differential Signaling Based BPSK System"  
in July 2014.*

*Given under the seal of the University,  
this Thirtieth day of October, Two Thousand and Fourteen.*



*[Signature]*  
Registrar

*[Signature]*  
Vice Chancellor



Date : 30/10/2014

Chennai - 600 048, Tamil Nadu, INDIA

*[Signature]*  
**Principal**  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpeta, Hyderabad-97.

SWINBURNE UNIVERSITY OF TECHNOLOGY  
MELBOURNE, AUSTRALIA

THIS IS TO CERTIFY THAT

**Salmaan Rashid Syed**

HAVING SUCCESSFULLY COMPLETED AN APPROVED COURSE OF STUDY WAS  
ADMITTED TO THE DEGREE OF

**Doctor of Philosophy**

CONFIRMATION DATE: 09 December 2014



Robert G. Hoyle  
Chairman




Professor Peter Kinnear  
Vice-Chancellor and President



Peter G. Jones  
Rector



03\_775034



**Principal**  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.



# ANNA UNIVERSITY CHENNAI - 600 025

## PROVISIONAL CERTIFICATE

Folio No.: PAR014238

This is to certify that the candidate has qualified for the award of *Degree of Doctor of Philosophy* in compliance of the UGC Regulations 2009 as detailed below:

Name : PRINZA L

Registration Number : 1423489125

Degree : Ph.D.


Department/Centre : ELECTRONICS AND COMMUNICATION ENGINEERING

Faculty : INFORMATION AND COMMUNICATION ENGINEERING

Date, Month & Year of Viva-Voce Examination held : 13.11.2017

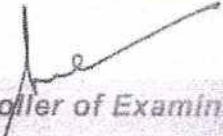
Title of the Thesis : ENHANCED ENTROPY THRESHOLDING METHODOLOGY IN EEG ANALYSIS FOR ALZHEIMER'S DISEASE DETECTION



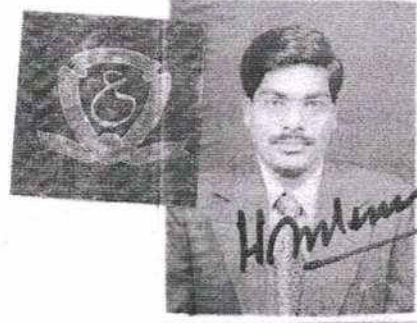
  
**Principal**  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

Chennai - 600 025

Date: 15-DEC-17

  
Controller of Examinations

# Osmania University



Faculty of Science

This is to certify that Bhagyaj Rajini Sankar  
son/daughter of Laxmidevi Chary  
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 Physics

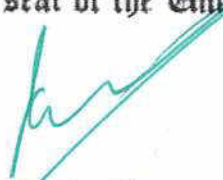
The title of the thesis is Magnetic and Electrical  
Properties of Low Temperature Sintered  
Ni-Cu Zn Ferrites.

The candidate has been declared qualified for the award of the  
Degree of Ph. D. on 16th December 2005.

Given under the seal of the University

Hyderabad

Date 7 JAN 2006

  
Principal  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

  
Vice-Chancellor

# Indian Institute of Technology Kharagpur

Upon the recommendation of the Senate  
hereby confers the degree of

Doctor of Philosophy

in  
Science

on **Bandaru Narasimha**

Given this day under the seal of the Institute at Kharagpur in the  
Republic of India.

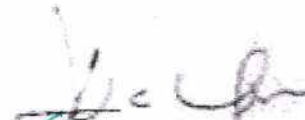
The 12th March 1990.

Title of thesis: *Optical Absorption, Thermoluminescence, Dielectric properties and thermal expansion of x-ray or  $\gamma$ -ray irradiated  $BaF_2$  subjected to Electric Fields or Laser excitation and preparation and Dielectric properties of  $NdPO_4$  and  $LaPO_4$ .*

Registered in: *Department of Physics and Meteorology*

  
Registrar



  
Principal

Principal  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

Central Institute of English and Foreign Languages



This is to certify that  
*Ms. Sudha Mohanan*  
having pursued a course of study prescribed by this Institute and  
having fulfilled the requirements by examination and by dissertation,  
has been admitted to the degree of

Doctor of Philosophy  
in English,  
the field of study being  
*Linguistics & Phonetics*

Hyderabad  
22.04.1996

*[Signature]*  
Registrar

*[Signature]*  
Director

*[Signature]*  
& Technology  
(S)  
Macbawli, Acaipet, Hyderabad-97.

Regd. No.

00018

ACHARYA NAGARJUNA UNIVERSITY  
అచార్య నాగార్జున విశ్వవిద్యాలయము



FACULTY OF PHYSICAL SCIENCES

*This is to certify that*

Mr./Ms. *Anil Kumar B. V. S. R. A.*

*has been duly admitted to the*

*Degree of Doctor of Philosophy*

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

*be qualified to receive the same in 2012*

*in Mathematics*

*Given under the Seal of the University*

Nagarjuna Nagar 522-510.

A. P. India

Date: 6 AUG 2012



*K. Venkatesh*  
Vice-Chancellor

Principal

TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpeta, Hyderabad-97.



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR

ANANTHAPURAMU - 515 002, ANDHRA PRADESH, INDIA

CC005852

H.T.No:11PH0902

Aadhar No:425294986704



*C Uma Devi*

*D/o. C Shankarappa*

*having fulfilled the academic requirements in May, 2017 has this day  
been admitted by the Executive Council to the Degree of*

*Doctor of Philosophy*  
(Mathematics)

for the Thesis entitled,  
"MATHEMATICAL ANALYSIS OF NON-NEWTONIAN FLUID FLOWS IN CONSTRICTED TUBES"

Date of Viva Voce : 22.05.2017

Monday, 19 February, 2018.

Given under the Seal of the University



*[Signature]*  
DIRECTOR OF EVALUATION

*[Signature]*  
REGISTRAR

*[Signature]*  
VICE CHANCELLOR

Principal

TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

Scanned by CamScanner



CMJ UNIVERSITY

# CMJ UNIVERSITY

MEGHALAYA

Estd. 2009 under Section 2f of UGC Act 1956

DDID- 7799

## Doctor of Philosophy (Ph.D.)

2012

(Provisional Certificate)

This is to certify that the proposal for the Award Of Ph.D. Degree in the Subject Of  
Computer Science & Engineering Under The Faculty of Technology  
To Shri Smt Hanu M. V. M. Kumar Kukunur.

(Registration No.) 80187210102492. Year 2010-2012.

On the Topic: "Sequential Pattern Mining Over Large Data Bases."

has been Awarded by the University as per UGC Gazette Notification. Dated 17<sup>th</sup> July 2009.

Shilpang (Meghalaya)  
The 29<sup>th</sup> October, 2012



  
Principal  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Registrar  
Medbowli, Meerpet, Hyderabad-97.

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

RF 302687

24619781601



420001024557



*Mr. D V Ravi Sankar*

*S/o Mr. D Rama Mohan Rao*

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

*Doctor of Philosophy*


*Mechanical Engineering*

Topic: 'Critical Analysis and Utilization of Certain Fibre Reinforced  
Polymers for Engineering Applications'

Given under the Seal of the University

H. T. No: 31504ME/PH

Date: 28-04-2011

  
Principal  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.



DIRECTOR OF EVALUATION



REGISTRAR



VICE-CHANCELLOR



TS 1291055



H.T No. : 0903PH1551

*Mr. G. Gopala Krishna*

*Dr. Shankaraiah*

having fulfilled the academic requirements in *June - 2017*  
has this day been admitted by the Executive Council to the Degree of

*Doctor of Philosophy*  
*Mechanical Engineering*

Topic: "Numerical and Experimental Investigation and Optimization of Friction Stir  
Welding Process Parameters".

Given under the Seal of the University

Date: 09-05-2018



Principal  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

*Uppala*

DIRECTOR OF EVALUATION

*Aravind*

REGISTERAR

*Allex*

VICE CHANCELLOR



Regd. No.

00023

ACHARYA NAGARJUNA UNIVERSITY  
అచార్య నాగార్జున విశ్వవిద్యాలయము



FACULTY OF PHYSICAL SCIENCES

*This is to certify that*

Mr./Ms. *Jayanthi Bhramadov*

*has been duly admitted to the*

*Degree of Doctor of Philosophy*

*in this University, &/she having been declared to  
be qualified to receive the same in 2012*

*in Mathematics*

*Given under the Seal of the University*

Nagarjuna Nagar-522 510.  
A.P. India

Date 2 NOV 2012



*K. Vinay*  
Vice-Chancellor

*[Signature]*  
Principal  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.



# SASTRA UNIVERSITY

Shanmugha Arts, Science, Technology & Research Academy

(A University u/s 3 of the UGC Act, 1956)

*Upon the recommendation of the Faculty and by the  
Authority of the Board of Management  
acting under the powers vested by the Government of India,  
the University confers on*

**Rajarajeswari A**

*the degree of*

**Doctor of Philosophy**

*with all the rights and privileges pertaining thereto for the course-work  
and thesis titled*

**Compressive Strength and Durability Characteristics of  
Mineral Admixture Based Geopolymer Concrete**

*In witness whereof, we have hereunto affixed our signatures and the  
Seal of the University, this day, the Twelfth of August, 2017  
at the University Campus, Thanjavur, India.*

**Principal**

TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97



*[Signature]*  
Dean

*[Signature]*  
Registrar

*[Signature]*  
Vice-Chancellor

Sl.No. 17400381

క్రమ సంఖ్య



Register No.

రిజిస్టర్ నెం. PP.COMP.SCI.&ENG.02760

# RAYALASEEMA UNIVERSITY



## రాయలసీమ విశ్వవిద్యాలయము

### FACULTY OF PHYSICAL & LIFE SCIENCES

### ఫ్యాకల్టీ ఆఫ్ ఫిజికల్ & లైఫ్ సైన్సెస్

*Royalaseema University hereby confers the Degree of*

రాయలసీమ విశ్వవిద్యాలయం ఇందుమూలంగా పట్టా ప్రధానంచేస్తూ

## DOCTOR OF PHILOSOPHY

on CHAGANTI B N LAKSHMI

Son / Daughter of V PARDHASARADHI పుత్రుడు/పుత్రురాలు

in recognition of his / her research work on "AN EFFICIENT ROUTING PROTOCOL FOR WIRELESS SENSOR NETWORKS USING ANT COLONY OPTIMIZATION METAHEURISTICS."

అనే అంశంపై అతడు / ఆమె కొరసాగించిన పరిశోధనకు గుర్తింపుగా

In the Department of COMPUTER SCIENCE & ENGINEERING విభాగంలో

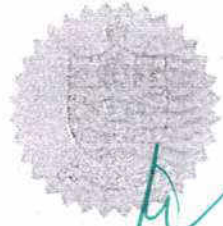
He / she having been found duly qualified for the same in December - 2017

అతడు / ఆమె తగిన అర్హత సాధించినట్లుగా ప్రకటించడమైవది.

Aadhar No.:

ఆధార్ సంఖ్య :

Given under the Seal of the University  
విశ్వవిద్యాలయ అధికారమునందే జారీచేయవచ్చును.



*[Signature]*  
Vice-Chancellor  
ఉపకులపతి

Kurnool - 518 007, A.P., India.  
కర్నూలు-518 007, ఆంధ్రప్రదేశ్, భారతదేశము

Date: 12-05-2022  
తేది: