



# KONERU LAKSHMAIAH EDUCATION FOUNDATION

(Deemed to be University)

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



Aadhaar/Passport/Citizenship. : 6399 2099 5186

Faculty of English

By the authority of Board of Management

This is to certify that

*M Sumalatha*

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 Twenty Third September Two Thousand and Nineteen

Thesis Title: *"Portrayal of Social Realism in the Select Novels of Chetan Bhagat: A Study"*



*C. Sreedh*  
Vice - Chancellor

A64518

Regd. No. : 1264014409



# 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

**Shamshuddin Md**

has been duly admitted to the degree

of

**Doctor of Philosophy**

in

**Applied Mathematics**

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

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

Given under the seal of GITAM



Visakhapatnam

15th November, 2019

  
Vice Chancellor

0053

MSH No.

150053

# National Institute of Technology Warangal



upon the recommendation of the Senate  
hereby confers the degree of

**Doctor of Philosophy**

on

**Shafeurrahman Md**

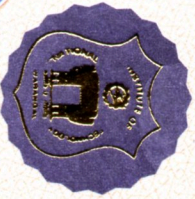
(Roll No: 714049 )

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

**Mathematics**

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 : Entropy Generation in A Nanofluid Flow through Ducts with Magnetic Effect



CHAIRMAN  
SENATE & BOARD OF GOVERNORS

N.V. S



# Kakatiya University



Faculty of Science

Roll No.      -      -     

This is to certify that M. Srinivas  
Son / Daughter of Mohan  
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 June 2009)

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

"Post-Optimal Analysis of  
Transportation Problems"

Given under the seal of the University.

Warangal

Vaishaka 31, 1932

Dated

May 21, 2010

A handwritten signature in black ink, followed by the printed text 'Vice-Chancellor'.

**Shri Jagdishprasad Jhabarmal Tibrewala University, Jhunjhunu**  
श्री जगदीशप्रसाद झाबरमल टिबड़ेवाला विश्वविद्यालय, झुंझुनूं



**डॉक्टर ऑफ़ फिलॉसफी**

प्रमाणित किया जाता है कि **Syed Viqar Malik** को इस विश्वविद्यालय के **Engineering** संकाय के अन्तर्गत डॉक्टर ऑफ़ फिलॉसफी की उपाधि से वर्ष **2020** में विमूषित किया गया।

इनके शोध प्रबन्ध का विषय निम्नलिखित था :-

**AN EXPERIMENTAL STUDY OF HYBRID FIBRE REINFORCEMENT AND ITS EFFECT ON CONCRETE PROPERTIES**

**DOCTOR OF PHILOSOPHY**

*This is to certify that Syed Viqar Malik has been awarded the degree of Doctor of Philosophy in the faculty of Engineering of this University in the year 2020.*

*The title of his/ her thesis was:-*

**AN EXPERIMENTAL STUDY OF HYBRID FIBRE REINFORCEMENT AND ITS EFFECT ON CONCRETE PROPERTIES**

  
Registrar  
रजिस्ट्रार



  
President  
प्रेसीडेंट

20<sup>th</sup> December 2020

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

HYDERABAD - 500 085, TELANGANA STATE, INDIA

TS 685579



H.T No.: **136L1D2014**

College Code : 6L ( PEC, SHAMEERPET )

*Mr. Syed Vigar Malik*  
*S/o. Syed Tajuddin Mushtaq*

having fulfilled the academic requirements and passed the examination held during *August, 2015* in *First Class With Distinction* has this day been admitted by the Executive Council to the Degree of

*Master Of Technology*  
*Structural Engineering*

Given under the Seal of the University

Date: 21-07-2016

DIRECTOR OF EVALUATION



REGISTRAR



VICE CHANCELLOR

CMM No  
20224001322



460022449632

PC No  
30224001386



# National Institute of Technology Tiruchirappalli

*hereby confers the degree of  
Doctor of Philosophy*

*of the institute  
on*

**BHARATHIMURUGAN R**

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

**BEHAVIOUR OF PAVING BLOCKS GEOPOLYMER CONCRETE  
WITH WASTE TYRE CRUMB RUBBER AS PARTIAL REPLACEMENT**

*at the viva-voce examination held on Thirty March 2017*

*Given this day the twelfth of August, 2017  
Under the seal of the Institute*



TIRUCHIRAPPALLI - 620 015, INDIA



*A. Palanis*  
Registrar

*M. S. Thomas*  
Director & Chairperson,  
Board of Governors



# National Institute of Technology Tiruchirappalli

*hereby confers the degree of*

*Doctor of Philosophy*

*of the institute  
on*

**PRAKASH A R**

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

**Behaviour of Rock Socketed Monopile Under Lateral Load**

*Given this day the twenty-eighth of July, 2018*

*Under the seal of the Institute*



TIRUCHIRAPPALLI - 620 015, INDIA



*A. Woods*  
Registrar

*N. S. Soman*  
Director & Chairperson,  
Board of Governors



# Anna University



Reg.No. 100960221008/RG

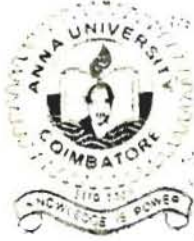
*The Syndicate of the Anna University hereby makes known that **DINESHKUMAR G** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the Faculty of Civil Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year **2014**. The degree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

*Title of the Thesis:*

**STUDY ON STRENGTH CHARACTERISTICS AND STRUCTURAL BEHAVIOUR OF POLYESTER AND BASALT FIBER REINFORCED CONCRETE**



*Given under the Seal of the University*



Reg No. 071038801004


*The Syndicate of the Anna University Coimbatore hereby makes known that **DINESHKUMAR. G** has been admitted to the **DEGREE OF MASTER OF ENGINEERING** in **STRUCTURAL ENGINEERING** under the Faculty of Civil Engineering having completed the prescribed programme of study and having been certified by duly appointed examiners to be qualified to receive the same and having been placed by them in the **FIRST CLASS** at the Examination held in **JULY 2009.***

ANNA UNIVERSITY COIMBATORE ANNA UNIVERSITY COIMBATORE ANNA UNIVERSITY COIMBATORE ANNA

*Given under the Seal of the University*



Coimbatore 641 047  
India  
February 2011  
AGC10ACM/90

  
Controller of Examinations

  
Registrar

  
Vice-Chancellor

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

HYDERABAD - 500 085, TELANGANA STATE, INDIA

TS 1438063



H.T No. : 1003PH0677

*Ms. Mohd Ayeshabanu*

*D/o. Mohd Haji*

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

*Doctor of Philosophy*

*Computer Science And Engineering*

Topic: "Semantic Similarity Measures Using Ontology and Information Content Based Approaches for Multiple Subsumed Concepts".

Given under the Seal of the University

Date: 16-10-2020



*[Signature]*  
DIRECTOR OF EVALUATION

*[Signature]*  
REGISTRAR

*[Signature]*  
VICE CHANCELLOR



49214117001

PC No  
319001295

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

HYDERABAD - 500 085, TELANGANA STATE, INDIA

TS 1503188



H.T No. : 1203PH0636

*Mr. Eppakayala Balakrishna*

*S/o. Komuraiah*

having fulfilled the academic requirements in *January - 2022*  
has been admitted by the Executive Council to the Degree of

*Doctor of Philosophy*

*Computer Science And Engineering*

Topic: "Modified FP Tree for Mining Negative Association Rules".

Given under the Seal of the University

Date: 26-02-2022



*[Signature]*

DIRECTOR OF EVALUATION

*[Signature]*

VICE CHANCELLOR

*[Signature]*

VICE CHANCELLOR



410114100184

PC No  
322001898

# NIILM UNIVERSITY, KAITHAL

Established by The Haryana State Legislature Under Haryana Act No. 16 of 2011



Sr. No PHD/18196

Reg. No. NU/K/18/6501/196

## Provisional Degree

This is to certify that.....REKHADEVI KANYABOINA.....W/S/D of  
TIRUPATHI K..... Reg. No. NU/K/18/6501/196.....

has successfully completed all the requirements as per university ordinance &  
UGC Regulation (minimum standards and procedure for award of Ph.D Degree),  
2009/2016 for the award of degree of .....DOCTOR OF PHILOSOPHY.....in  
the faculty of .....COMPUTER SCIENCE & ENGINEERING..... of  
this university after his/her successful Viva-Voce held on Dated .25/09/2023.....

His/her title of research was ..."INVESTIGATING SELF-SUPERVISED LEARNING PARADIGMS...  
.....FOR PRE-TRAINING MODELS IN LOW RESOURCE SETTINGS".....



Dean/Director Research



Registrar

Dated: - 10/10/2023

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

HYDERABAD - 500 085, TELANGANA STATE, INDIA

TS 1503199



H.T No. : 1203PH06A0

*Ms. Satyavathi Nedendla*

*D/o. Rajanna*

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

*Doctor of Philosophy*

*Computer Science And Engineering*

Topic: "Index Support for Item Set Mining With A Mechanism to Maintain And Update Association Rules".

Given under the Seal of the University

Date: 26-02-2022



*[Signature]*

DIRECTOR OF EVALUATION

*[Signature]*

REGISTRAR

*[Signature]*

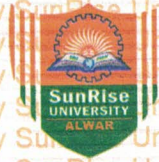
VICE CHANCELLOR



410114100193

PC No  
321001795

Enrollment No. 15SRU/W0100



Registration No. SRU/Ph.D./Jan/2015/0090

# सनराईज विश्वविद्यालय, अलवर SunRise University, Alwar



Tehsil Ramgarh, District - Alwar (Rajasthan), INDIA

**विद्या - वाचस्पति**

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

सनराईज विश्वविद्यालय की एकेडेमिक काउंसिल द्वारा यह प्रमाणित किया जात है कि श्री / सुश्री / श्रीमती **Ganta Ramkrishna Reddy** ने सनराईज विश्वविद्यालय से शोधप्रबन्ध अनुमोदन उपरान्त **विद्या वाचस्पति** की उपाधि प्राप्त की।

**शोधप्रबन्ध का विषय**

**“Evolution of Kdd for Website Mining”**

**Doctor of Philosophy**

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

This is to certify by the Academic Council of SunRise University that

**Mr./Ms./Smt. Ganta Ramkrishna Reddy** obtained the Degree of **Doctor of Philosophy** after approval of the thesis.

**Title of Thesis**

**“Evolution of Kdd for Website Mining”**

Awarded under the seal & Signature of the SunRise University on year 2018



Registrar

President

क्रमसंख्या  
Serial No. OPJS/PHD/17/1077

पंजीकरण संख्या  
Regn. No. 67140166

अनुक्रमांक संख्या  
Roll No. PH.D-14-559



# ओपीजेएस विश्वविद्यालय चूरु

( राजस्थान राज्य अधिनियम संख्या ३३/२०१३ के अन्तर्गत स्थापित )

डॉक्टर ऑफ फिलासॉफी

प्रमाणित किया जाता है कि के. राजेश खन्ना को इस विश्वविद्यालय के इंजिनियरिंग (कंप्यूटर साइंस एंड इंजिनियरिंग) संकाय के अन्तर्गत डॉक्टर ऑफ फिलासॉफी की उपाधि से वर्ष 2017 में विभूषित किया गया ।

इसके शोध प्रबंध का विषय निम्नलिखित था :-

*Data mining Framework For Customer Relationship Management and Risk Analysis in Health Sector Using Personalized Decision Support*

## OPJS University Churu

(Established under Rajasthan Act No. 33 of 2013)

DOCTOR OF PHILOSOPHY

*This is to certify that K. RAJESH KHANNA has been awarded the degree of Doctor of Philosophy in the School of ENGINEERING ( COMPUTER SCIENCE & ENGINEERING) of this University in the Year 2017*

*The Title of his/her thesis was :*

*Data mining Framework For Customer Relationship Management and Risk Analysis in Health Sector Using Personalized Decision Support*

विश्वविद्यालय के मुद्रांकन द्वारा प्रमाणित

*Given under the seal of the University*

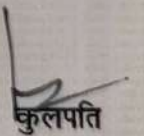
  
परीक्षा-नियंत्रक

Controller of Examinations

चूरु, तिथि दिसम्बर 22, 2018

Churu, Dated December 22, 2018



  
कुलपति

Vice Chancellor



क्रमसंख्या  
Serial No. OPJS/PHD/17/1078



पंजीकरण संख्या  
Regn. No. 67140239

अनुक्रमांक संख्या  
Roll No. PH.D-14-590

# ओपीजेएस विश्वविद्यालय चूरु

( राजस्थान राज्य अधिनियम संख्या 33/2013 के अन्तर्गत स्थापित )

डॉक्टर ऑफ फिलासॉफी

प्रमाणित किया जाता है कि मान्यम सुकेश को इस विश्वविद्यालय के इंजिनियरिंग (कंप्यूटर साइंस एंड इंजिनियरिंग) संकाय के अन्तर्गत डॉक्टर ऑफ फिलासॉफी की उपाधि से वर्ष 2017 में विभूषित किया गया ।

इसके शोध प्रबंध का विषय निम्नलिखित था :-

*Improved Qos Support for Channel Access Management in Self Organizing Vehicular Network Under Uncertainties*

## OPJS University Churu

(Established under Rajasthan Act No. 33 of 2013)

DOCTOR OF PHILOSOPHY

*This is to certify that MANYAM SUKESH has been awarded the degree of Doctor of Philosophy in the School of ENGINEERING ( COMPUTER SCIENCE & ENGINEERING) of this University in the Year 2017*

*The Title of his/her thesis was :*

*Improved Qos Support for Channel Access Management in Self Organizing Vehicular Network Under Uncertainties*

विश्वविद्यालय के मुद्रांकन द्वारा प्रमाणित

*Given under the seal of the University*

परीक्षा-नियंत्रक

Controller of Examinations



कुलपति

Vice Chancellor

चूरु, तिथि दिसम्बर 22, 2018

Churu, Dated December 22, 2018

S.No. PDC 0001386



# Mewar University

## Gangrar, Chittorgarh

(A University u/s 2(f) & 12(B) of the UGC Act 1956 with the right to confer degrees u/s 22(1) of the UGC Act  
Established by Rajasthan State Govt. vide Act No. 4 of 2009)

(NAAC ACCREDITED)

The Board of Management on the recommendation of the  
Academic Council of the University  
hereby awards the degree of

### DOCTOR OF PHILOSOPHY

to



**SWATHI BOLUGODDU**

Enrollment No. : MUR1600474

in

**COMPUTER SCIENCE & ENGINEERING**

**under the Faculty of Engineering & Technology**

in recognition of his/her research work entitled

**"SECURE AND TRAFFIC AWARE MAPREDUCE  
PROGRAMMING ON BIG DATA."**

on August 24, 2023

  
15/12/23  
President

**Dr. Alok Misra**  
Vice Chancellor / President



  
Chairperson

क्रमसंख्या  
Serial No. OPJS/PHD/17/1079



पंजीकरण संख्या  
Regn. No. 67140165

अनुक्रमांक संख्या  
Roll No. PH.D-14-558

# ओपीजेएस विश्वविद्यालय चूरु

( राजस्थान राज्य अधिनियम संख्या 33/2013 के अन्तर्गत स्थापित )

डॉक्टर ऑफ फिलारसॉफी

प्रमाणित किया जाता है कि वनम मुरली कृष्णा को इस विश्वविद्यालय के इंजिनियरिंग (कंप्यूटर साइंस एंड इंजिनियरिंग) संकाय के अन्तर्गत डॉक्टर ऑफ फिलारसॉफी की उपाधि से वर्ष 2017 में विभूषित किया गया ।

इसके शोध प्रबंध का विषय निम्नलिखित था :-

*Hand Based Biometrics For Secure Personal Authentication*

## OPJS University Churu

(Established under Rajasthan Act No. 33 of 2013)

DOCTOR OF PHILOSOPHY

*This is to certify that VANAM MURALI KRISHNA has been awarded the degree of Doctor of Philosophy in the School of ENGINEERING ( COMPUTER SCIENCE & ENGINEERING) of this University in the Year 2017.*

*The Title of his/her thesis was :*

*Hand Based Biometrics For Secure Personal Authentication*

विश्वविद्यालय के मुद्रांकन द्वारा प्रमाणित

*Given under the seal of the University*

परीक्षा-नियंत्रक

*Controller of Examinations*



कुलपति

*Vice Chancellor*

चूरु, तिथि दिसम्बर 22, 2018

*Churu, Dtd./ December 22, 2018*

S.No. PDC 0001345



# Mewar University

## Gangrar, Chittorgarh

(A University u/s 2(f) & 12(B) of the UGC Act 1956 with the right to confer degrees u/s 22(1) of the UGC Act  
Established by Rajasthan State Govt. vide Act No. 4 of 2009)

**(NAAC ACCREDITED)**

The Board of Management on the recommendation of the  
Academic Council of the University  
hereby awards the degree of

### DOCTOR OF PHILOSOPHY

to



**SRAVANTHI JATABOINA**

Enrollment No. : MUR1600473

in

**COMPUTER SCIENCE AND ENGINEERING**

**under the Faculty of Engineering & Technology**

in recognition of his/her research work entitled

**"STUDY OF MAPREDUCE WORKLOADS OF BIG DATA FOR  
IMPROVING JOB ORDERING AND SLOT CONFIGURATIONS."**

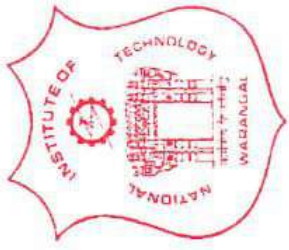
on June 02, 2023

President



Chairperson

**Dr. Alok Misra**  
Vice Chancellor / President



# National Institute of Technology Warangal

(Deemed University)

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

**Doctor of Philosophy**

iii

**K THIRUPATHI RAO**

*who has successfully completed the prescribed requirements for the award of the degree  
in the Department of Civil Engineering*

*Given under the seal of the Institute at Warangal in the Republic of India  
on the Twenty Eighth Day of July Two Thousand Seven.*



Director &  
Chairman, Senate

Chairman  
Board of Governors

# Osmania University



## Faculty of Engineering

Roll No. 87110

This is to certify that P. Ghirupathi Rao  
son/daughter of P. Bala Rama Rao has been  
admitted to the Degree of

## Master of Engineering

in

Civil Engineering  
Spl. Hydro Mechanics & Water Management  
of this University, he/she having passed the Examination  
in July 1990, in First Division with  
Distinction

Given under the seal of the University.

Hyderabad

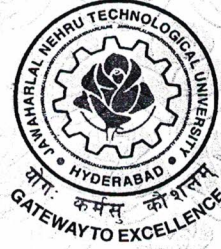
Date 22 MAGHA, 1914  
11th FEBRUARY, 1993

M. Madan Kumar  
Vice-Chancellor

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

HYDERABAD - 500 085, TELANGANA STATE, INDIA

TS 1496867



H T No : 1103PH0834

COPY COPY COPY

*Mr. M Shashidhar*

*S/o. Satyanarayana*

having fulfilled the academic requirements in *December - 2020*  
has been admitted by the Executive Council to the Degree of

*Doctor of Philosophy*

*Electronics & Communication Engineering*

Topic: "Performance Analysis with Channel Estimators Under Nondata Aided HSPA+ Technology".

Given under the Seal of the University

Date: 26-02-2022



*[Signature]*

DIRECTOR OF EVALUATION

*[Signature]*

REGISTRAR

*[Signature]*

VICE CHANCELLOR



410114100122

PC No  
320001667

# Washtrasant Tukadoji Maharaj Nagpur University

Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1<sup>st</sup> of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah. Act No. VI of 2017)

Re-accredited 'A' Grade by NAAC

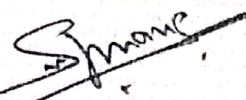


## Doctor of Philosophy (विज्ञान व तंत्रज्ञान आचार्य) (Faculty of Science and Technology)

*This is to certify that  
Shri Pankaj Hivraj Rangaree having been found  
to be duly qualified on examination of the  
thesis entitled "Design approach to enhance the life time of  
wireless sensor network" was admitted to the degree of  
Doctor of Philosophy (विज्ञान व तंत्रज्ञान आचार्य) in  
the Faculty of Science and Technology in the Subject  
of Electronics Engineering in this University in the  
year 2018.*

Nagpur

Dated : 19-1-2019

  
Vice-Chancellor

106<sup>th</sup> Convocation 2019





The Board of Management of the  
Vellore Institute of Technology (VIT)  
hereby confers on

**SUDHEER RAJA VENISHETTY**

the degree of

**DOCTOR OF PHILOSOPHY**

in recognition of the research work entitled

**DESIGN OF POWER EFFICIENT-LOW NOISE ANALOG FRONT END AMPLIFIERS FOR  
BIO-MEDICAL APPLICATIONS**

for having fulfilled the prescribed requirements.

The degree has been awarded in compliance with the  
"University Grants Commission, Regulations 2009"

given this day the 21 September 2021



Given under the seal of this university



*R.B. Kesava*  
Vice - Chancellor

*[Signature]*  
Chancellor

Dated: 27-Sep-2021

Vellore - 632 014, Tamil Nadu, India



**NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL**  
(INSTITUTE OF NATIONAL IMPORTANCE)

**PROVISIONAL CERTIFICATE**  
**DOCTOR OF PHILOSOPHY (Ph.D.)**

No. : 14350

Certified that **Mr. Prakash Kamisetti**

S/O **K.Srinivasulu** Roll No **700506**

Department of **ELECTRICAL ENGINEERING**

has successfully completed all prescribed requirements for the award of the degree of **Doctor of Philosophy (Ph.D.)** of the institute.

The date of viva-voce examination: **27-06-2012**

The title of the thesis submitted is "**NOVEL ALGORITHMS AND METAHEURISTIC TECHNIQUES FOR DISTRIBUTION SYSTEM STUDIES**"

**Warangal**

**Dated : 27-06-2012**

  
**DEAN (ACADEMIC)**



# National Institute of Technology, Warangal



upon the recommendation of the Senate  
hereby confers the degree of

*Doctor of Philosophy*

on

Prakash Kamiseti

who has successfully completed the prescribed requirements for the award of  
the degree in the Department of

*Electrical Engineering*

Given under the seal of the Institute at Warangal  
in the Republic of India on Fifteenth Day of September Two Thousand Twelve

Director &  
Chairman, Senate



Chairman  
Board of Governors



**NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL**  
(AN INSTITUTE OF NATIONAL IMPORTANCE)

**PROVISIONAL CERTIFICATE**  
**DOCTOR OF PHILOSOPHY (Ph.D.)**

No. : 28019

Certified that **Mr. Bonala Anil Kumar**

S/O **Balaiah** Roll No **701406**

Department of **ELECTRICAL ENGINEERING**

has successfully completed all prescribed requirements for the award of the degree of **Doctor of Philosophy (Ph.D.)** of the institute.

The date of viva-voce examination held on: **20-12-2019**

The title of the thesis submitted is **MULTI-OBJECTIVE MODEL PREDICTIVE CONTROL OF GRID-TIED SOLAR PHOTOVOLTAIC SYSTEM.**

Warangal

Dated : 23-12-2019

*Y. S. S. Selly*  
DEAN (ACADEMIC)



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

HYDERABAD - 500 085, TELANGANA STATE, INDIA

TS 1503059



H.T No. : 1203PH0770

*Mr. Sadanandam Perumandla*

*Sl. No. Pentaiah*

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

*Doctor of Philosophy*

*Electrical And Electronics Engineering*

Topic: "Spread Spectrum Modulation Methods for Vector Controlled Induction Motor Drive".

Given under the Seal of the University

Date: 26-02-2022



DIRECTOR OF EVALUATION

VICE CHANCELLOR



410114100051

PC No  
321001759



# NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

(AN INSTITUTE OF NATIONAL IMPORTANCE)

## PROVISIONAL CERTIFICATE

### DOCTOR OF PHILOSOPHY (Ph.D.)

No. : 27457

Certified that

**Mr. Durga Hari Kiran B**

S/O

**B V Sri Rama Murthy**

Roll No

**701233**

Department of

**ELECTRICAL ENGINEERING**

has successfully completed all prescribed requirements for the award of the degree of **Doctor of Philosophy (Ph.D.)** of the institute.

The date of viva-voce examination held on: **08-09-2017**

The title of the thesis submitted is **OPERATING RESERVE AND FREQUENCY REGULATION ANCILLARY SERVICES MANAGEMENT IN RESTRUCTURED ELECTRICITY MARKETS.**

Warangal

Dated : 12-09-2017

DEAN (ACADEMIC)

13/9/17



Note: Validity of this certificate will expire on the award of the degree in the next convocation.

001, 2

MSH No. 150042

# National Institute of Technology Warangal

upon the recommendation of the Senate  
herby confers the degree of

## Doctor of Philosophy

on

Durga Hari Kiran B

(Roll No: 701233 )

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

### Electrical 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 : Operating Reserve and Frequency Regulation Ancillary Services Management in  
Restructured Electricity Markets



SENATE & BOARD OF GOVERNORS

N.V.  
CHAIRMAN



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

HYDERABAD - 500 085, TELANGANA STATE, INDIA

TS 1437818



H.T No. : 1303PH0702

*Mr. Ranjith Kumar Katkuri*

*S/o. Rajamouli*

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

*Doctor of Philosophy*

*Electrical And Electronics Engineering*

Topic: "Optimal Sizing and Power Management of Grid Connected Hybrid  
PV/Wind/Battery Power System".

Given under the Seal of the University

Date: 16-10-2020



*[Signature]*

DIRECTOR OF EVALUATION

*[Signature]*

REGISTRAR

*[Signature]*

VICE CHANCELLOR



49114181626

PC No  
319001413



Enrolment. No.

2011/3296



# वनस्थली विद्यापीठ

विद्यापीठ द्वारा निर्धारित  
सभी अर्हताएं पूरी करने पर

हेमन्त कुमार गुप्ता को



## डॉक्टर ऑफ़ फ़िलॉसॉफ़ि

### इलेक्ट्रॉनिक्स इंजीनियरिंग

की उपाधि में आज के दिन दीक्षित किया गया।  
प्रमाण स्वरूप विद्यापीठ की मुद्रा एवं कुलपति के  
हस्ताक्षर अंकित किये जाते हैं।

## BANASTHALI VIDYAPITH

On having fulfilled the requirements  
laid down by the Vidyapith

*Hemant Kumar Gupta* has been

admitted this day to the degree of

## DOCTOR OF PHILOSOPHY

## ELECTRONICS ENGINEERING

In token whereof are inscribed the seal of the Vidyapith  
and the signature of the Vice-Chancellor.



तारीख

Date 7 January, 2018

कुलपति

Vice-Chancellor

प्रमाणित किया जाता है कि हेमन्त कुमार गुप्ता

को डॉक्टर ऑफ़ फ़िलॉसॉफ़ि के प्रत्याशी के रूप में

इलेक्ट्रॉनिक्स इंजीनियरिंग

में पंजीकृत किया गया था और शोध-प्रबन्ध का विषय निम्नलिखित था :

*Certified that Hemant Kumar Gupta*

*was registered as a candidate for Doctor of Philosophy in*

***ELECTRONICS ENGINEERING***

*and the title of thesis was :*

***'Design and Implementation of Various Algorithms to Process  
EMG Signals for Paralytic Patients'***

No. F. 9-6/81-U. 3

Government of India

Ministry of Education and Culture

(Department of Education)

New Delhi, the 25th October, 1983.


**NOTIFICATION**

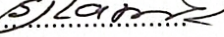
In exercise of the powers conferred by Section 3 of the University Grants Commission Act, 1956 (3 of 1956) the Central Government, on the advice of the Commission, hereby declare that Banasthali Vidyapith P. O. Banasthali Vidyapith (Rajasthan) shall be deemed to be a University for the purpose of the aforesaid Act.

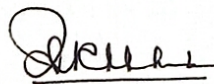
M. R. Kolhatkar

(M. R. Kolhatkar)

Joint Secretary to the Government of India

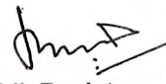
1. Degree checked by... 

2. Degree checked by... 



Secretary

Banasthali Vidyapith



Addl. Registrar

Banasthali Vidyapith

तारीख/Date 7 January, 2018

# National Institute of Technology, Warangal



upon the recommendation of the Senate  
hereby confers the degree of

*Doctor of Philosophy*

on

**G.Nagaraju**

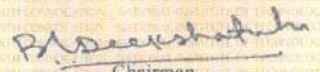
who has successfully completed the prescribed requirements for the award of  
the degree in the Department of

*Mathematics*

Given under the seal of the Institute at Warangal  
in the Republic of India on Twenty First day of January Two Thousand Twelve

  
Director &  
Chairman, Senate



  
Chairman  
Board of Governors

*Sri Padmavati Mahila Visvavidyalayam*  
(WOMEN'S UNIVERSITY)

Sl. No. D 00622

H.T. No.

041610

## *Faculty of Science*

*The Executive Council of  
Sri Padmavati Mahila Visvavidyalayam  
hereby makes known that*

***P. Kavitha***

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

## *Doctor of Philosophy*

*and has been admitted to that Degree*

**DEPARTMENT OF STUDY: *COMPUTER SCIENCE***

**SUBJECT OF THESIS :** "MINING POSITIVE AND NEGATIVE  
ASSOCIATION RULES FROM  
TRANSACTIONAL DATABASE, MULTI  
DATABASE AND SEQUENTIAL  
DATABASE"

**Year : NOVEMBER, 2015**

*Given under the seal of the University*



*Tirupati*

*Date : 23.03.2017*

*V. Dwega R*  
*Vice-Chancellor*

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

HYDERABAD - 500 085, ANDHRA PRADESH, INDIA

CC 131797

B129591



409093301



*Ms. Vinjamuri Janaki*

*D/o. Mr. Vinjamuri Venkata Chari*

having fulfilled the academic requirements in *February-2009*  
has this day been admitted by the Executive Council to the Degree of

*Doctor of Philosophy*

*Computer Science Engineering*

Topic: 'A Study of Some Problems in the Security of Files and Images (Some Problems in Cryptography)'

Given under the Seal of the University

H.T.No:410636CS/PH

Date: 27-11-2009



*[Signature]*

DIRECTOR OF EVALUATION

*[Signature]*

REGISTRAR

*[Signature]*

VICE-CHANCELLOR

0044

MSH No. 160044

# National Institute of Technology Warangal



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

## Doctor of Philosophy

*on*

**Mr. Ranjeeth . M**

(Roll No: 701424 )

*who has successfully completed the prescribed requirements for the award  
of the degree and passed the examination in July, 2018 in the Department of*

## Electronics and Communication Engineering

*Given under the seal of the National Institute of Technology Warangal  
in the Republic of India on the Eighteenth day of August Two Thousand Eighteen*

*Title of the Thesis : Performance Analysis of Cooperative Spectrum Sensing Network over Various Fading Channels*



*N. V. S.*  
CHAIRMAN  
SENATE & BOARD OF GOVERNORS



# UNIVERSITY OF ALLAHABAD



Doctor of Philosophy in 'Electronics & Communication Engineering'

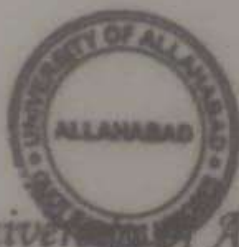
This is to certify that urugonda Ganesh

has been admitted to the degree of Doctor of Philosophy

in Electronics & Communication Engineering in this University at the

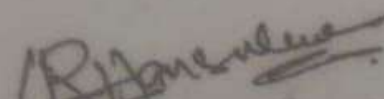
Convocation of March/2017 University of Allahabad.

TITLE :- some investigation on the performance analysis of cooperative spectrum sensing in different fading channels



University of Allahabad:

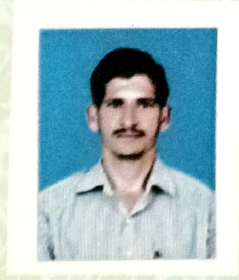
The 30<sup>th</sup> March 2017

  
Vice Chancellor.

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

HYDERABAD - 500 085, TELANGANA STATE, INDIA

TS 1796643



H.T No.: **1203PH08A7**

*Mr. Ganna Koteswara Rao*

*S/o. Pichaiiah*

having fulfilled the academic requirements in *December - 2022*  
has been admitted by the Executive Council to the Degree of

*Doctor of Philosophy*

*Electronics & Communication Engineering*

Topic: "Power Optimization and Symbol Detection in Pilot Based MIMO-OFDM Systems using PSO".

Given under the Seal of the University

Date: 18-03-2023



*K. Venkateswara Rao*

*[Signature]*

*[Signature]*

DIRECTOR OF EVALUATION

REGISTRAR

VICE-CHANCELLOR



411114116821

PC No  
322002039

