

# 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 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



# KONERU LAKSHMAIAH EDUCATION FOUNDATION

(Deemed to be University)

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



Sl.No. : 130148

Regd No. : 163030102

By the authority of Board of Management

This is to certify that

*Sravankumar B*

has been duly conferred the degree of

*Doctor of Philosophy in Faculty of Engineering (Computer Science and Engineering)*

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

Given under the seal of the University this day of Seventeenth December Two Thousand and Twenty Two

**Thesis Title:** AN EFFICIENT NEIGHBOUR NODE DISCOVERY AND SECURE ENERGY EFFICIENCY ROUTING PROTOCOL FOR MOBILE LOW DUTY CYCLE WIRELESS SENSOR NETWORK



*G.P.S.*  
Vice - Chancellor

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*

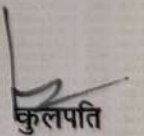
  
परीक्षा-नियंत्रक

*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

ABC ID : 590283245873

Enrolment No. : 406917052

# National Institute of Technology, Tiruchirappalli

## DOCTOR OF PHILOSOPHY



This is to certify that  
**MADAN KUMAR C**  
after having passed the prescribed course of study

was awarded the degree of  
**DOCTOR OF PHILOSOPHY**

on

**An Investigation on Efficient Authentication and Session Key Sharing  
Techniques against Security Attacks for Wireless Sensor Network**

**Based Applications**

in the year **2024**.

Dated : **03/08/2024**



Digitally signed on  
Date : 24/07/2024 16:01:40 IST

Note:-

1. This is a digital certificate. The format of this certificate may differ from the document issued by the Institution/University.
2. This certificate is electronically generated by DigiLocker - National Academic Depository.
3. This digitally signed document is legally valid as per the IT Act 2000 when used electronically.
4. To verify this certificate, download DigiLocker Android application from Google Play and scan the QR code on the certificate.



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*

No. 227896



அண்ணாமலைப் பல்கலைக்கழகம்



ANNAMALAI UNIVERSITY



கலையியற்புலம்  
FACULTY OF ARTS

நவம்பர், 2016 இல்

தொழில் நிர்வாகவியல்

பிரிவில் நடத்திய தேர்வுகளில்

விஜய் போ

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 VIJAY B has been admitted to the Degree of DOCTOR OF PHILOSOPHY in BUSINESS ADMINISTRATION, he/she having been certified by duly appointed Board of Examiners who valued his/her thesis to be qualified to receive the same in NOVEMBER, 2016.

TITLE OF THE THESIS

THE EMPOWERMENT OF WOMEN IN THE SELECT COASTAL VILLAGES OF TAMILNADU

பல்கலைக்கழக முத்திரை பெறுகின்றது  
Given under the seal of the University



அண்ணாமலைநகர்  
Annamalainagar

நாள்:  
Dated: 31/10/2017

Dr. K. Arumugam  
பதிவாளர் (பொறுப்பு)  
Registrar (i/c)

Dr. S. Manian  
துணை வேந்தர்  
Vice-Chancellor



# Kakatiya University

4299

No. 1042



## PROVISIONAL CERTIFICATE Ph.D.

This is to certify that \_\_\_\_\_ Chittimalla Bhargavi

Son/Daughter of \_\_\_\_\_ Chittimalla Yadagiri \_\_\_\_\_ has been declared  
qualified for the award of the Ph.D. Degree in \_\_\_\_\_ Commerce &  
Business Management \_\_\_\_\_ of this University in April, 2023.

Topic of Thesis:

“PRODUCTIVITY AND PROFITABILITY OF SELECT BANKS IN INDIA”

Warangal T.S. - 506 009

Date: 09-05-2023

*[Signature]*  
for Registrar

Sl. No. [REDACTED]



3089

265963

# Kakatiya University



Faculty of Commerce & Business Management

This is to certify that Gosula Saroja son/daughter of Komuraiah 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**  
in Commerce & Business Management

The title of the thesis is:

*Women Entrepreneurship in Telangana State – A Study*

The candidate has been declared qualified for the award of the Degree of Ph.D. on 11-09-2020

Given under the seal of the University

Warangal, Telangana State, India

Date : 17-07-2021

Vice - Chancellor

Sl. No. [REDACTED]



2825

215850

# Kakatiya University



Faculty of Commerce and Business Management

This is to certify that Veldandi Ramchander Rao  
son/daughter of Purushotham Rao 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**  
in Commerce and Business Management

The title of the thesis is:

*Consumer Buying Behaviour in Retail Marketing – A  
Comparative Study*

The candidate has been declared qualified for the award  
of the Degree of Ph.D. on 27-04-2017

Given under the seal of the University

Warangal, Telangana State, India

Date: 15 July 2017

  
Vice-Chancellor



R/JAN16/MGMT/10008

Enrolment No.: .....

714900214

Serial No.: .....



# MADHAV UNIVERSITY

## PINDWARA (SIROHI)

[Established by the State Legislature of Govt. of Rajasthan vide Act No. 7 of 2014 & recognised by UGC, Govt. of India]



### Doctor of Philosophy



*This is to certify that*

**MORA MURALI**

son/daughter of Shri **RAJASHEKHARAM**

*has obtained the Degree of Doctor of Philosophy in the subject of*

**MANAGEMENT** from this University, in **July, 2021**

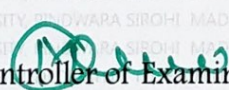
*under UGC (Minimum Standards and Procedure for Award of M.Phil./*

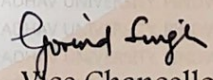
*Ph.D Degrees) Regulations, 2009.*

Title of the Thesis: **THE IMPLICATIONS OF IMPLEMENTING ELECTRONIC  
HUMAN RESOURCE MANAGEMENT (E-HRM) SYSTEMS IN COMPANIES**

Abu Road (Rajasthan), Dated: **09 FEBRUARY 2022**

  
Registrar

  
Controller of Examinations

  
Vice Chancellor



**Dedicated to Excellence**

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

HYDERABAD - 500 085, TELANGANA STATE, INDIA

TS 1291141



H.T No.: 1003PH0683

*Ms. Thanveer Jahan*

*D/o. Md Mahabooob Ali*

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

*Doctor of Philosophy*  
*Computer Science And Engineering*

Topic: "A Multiplicative Data Perturbation Method to Preserve Privacy".

Given under the Seal of the University

Date: 09-05-2018



*Uppama*

DIRECTOR OF EVALUATION

*Andaia*

REGISTRAR

*Aleesha*

VICE CHANCELLOR



47114109233

PC No  
317000797

# 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