Indian Institute of Technology Pelhi

Upon the recommendation of the Senate hereby confers the degree of

Poetor of Philosophy

on

Ram Prakash Rustagi

Thesis title:

Studies in Concurrency Control for Centralized, Distributed and Nested Transaction Systems

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

The 14th August, 1999

Picector &

Nourd of Cabernors

Registrar

IAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

HYDERABAD - 500 085, TELANGANA STATE, INDIA

TS 688185







H.T No.: 0703PH0614

Ms. Rekha B Venkatapur D/o. Venkatapur B

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

Doctor Of Philosophy Computer Science And Engineering

Topic: A Robust Hierarchical Clustering Algorithm for Video Watermark

Given under the Seal of the University

Date: 09-09-2016

Holauh

Acles of



PC No 316000364

KS. INSTITUTE CONTENTS

क्रमांक Serial No. 00216



अनुक्रमांक Enrollment No. PU10-7085

पेसिफिक उच्चतर शिक्षा और अनुसंधान अकादमी विश्वविद्यालय, उदयपुर

यह प्रमाणित किया जाता है कि दयानन्दा आर बी

द्वारा विश्वविद्यालय के सम्बन्धित विनियमनों में विहित अपेक्षाओं को सफलतापूर्वक पूर्ण कर लेने पर विश्वविद्यालय प्रबन्ध मण्डल की अनुशंसा पर इन्हें वर्ष <u>2015</u> में

अभियान्त्रिकी संकाय

के <u>कम्प्युटर साईन्स</u> विभाग में विद्या—वाचस्पति

की उपाधि प्रदान की गयी है।

शोध का विषय था सेक्यूरिटी एंड खाटा इन्टिग्रिटी यूसिंग एट्रिब्यूट बेस्ड एन्क्रिप्शन औन क्लाऊड

Pacific Academy of Higher Education and Research University, Udaipur

This is to certify that on the recommendation of the Board of Management of the University

DAYANANDA R.B.

has been conferred the degree of

Doctor of Philosophy

in the Department of Computer Science

In Faculty of Engineering

on successful fulfillment of the requirements prescribed under the relevant regulations of the University in the year of 2015.

The topic of research was Security and data integrity using attribute based encryption on cloud

निर्गमन दिनांकः 18 मार्च, 2016 Date of Issue: 18th March, 2016





VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



This is to certify that SWATHI K

has been conferred the Degree of

Moctor of Philosophy

in

FACULTY OF COMPUTER & INFORMATION SCIENCES

for the thesis entitled

EXPLORATION MODEL FOR SOFTWARE DEFECT PREDICTION TO ENHANCE QUALITY OPTIMIZATION IN SMALL AND MEDIUM LEVEL SOFTWARE FIRMS

in recognition of the fulfillment of requirements for the said degree

PH 000793

Given under the seal-of the University

USN: 1EW16PEJ02

BEL AGAVI

ATE .

APRIL 03, 2021



VICE CHANCELLOR

35

69



This is to certify that

VANEETA M

has been conferred the Degree of

Poctor of Philosophy

in

FACULTY OF COMPUTER & INFORMATION SCIENCES

for the thesis entitled

NOVEL KEY DISTRIBUTION AND SECURITY FRAMEWORK FOR NODE LEVEL COMMUNICATION FOR WIRELESS SENSOR NETWORKS

in recognition of the fulfillment of requirements for the said degree

램 001635

Given under the seal of the University

USN: 1KS15PEJ04

BELAGAVI

DATE

MARCH 10, 2022

CC 051364





ANANTAPUR - 515 002, ANDHRA PRADESH, INDIA

H.T.No: 0803PH0822

Pattipathi Naga Sudha

D/o Ranga Reddy B

having fulfilled the academic requirements in November, 2013 has this day been admitted by the Monitoring I. Development Committee to the Degree of

Doctor of Philosophy

(Electronics & Communication Engineering)

for the Thesis entitled. "SPEECH COMPRESSION AND ERROR CORRECTION FOR MOBILE COMMUNICATION"

Monday, 16 December, 2013.

Given under the Seal of the University

Director of Evaluation

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

HYDERABAD - 500 085, TELANGANA STATE, INDIA

TS 688303







H.T No.: 0803PH08A42

Ms. Surekha Borra D/o. Venkata Narayana

having fulfilled the academic requirements in February, 2015 has this day been admitted by the Executive Council to the Degree of

Doctor Of Philosophy
Electronics & Communication Engineering

Topic: Image Data Hiding for Copyright Protection based on Visual Cryptography Schemes

Given under the Seal of the University

Date: 17-09-2016





Acleany



PC No 21777026418

ENROLMENT NO.: AU141787



Hereby confers the degree of

DOCTOR OF PHILOSOPHY



In

Electronics & Communication Engineering

-07

Sangappa

who has fulfilled all the requirements prescribed under the regulations and successfully defended the thesis on

14th, July 2017

entitled

A Cross Layer Architecture Based Robust Routing Protocol for Inter-Vehicular Communication in VASNET

एतद द्वारा प्रदान करता है

जॅक्टर ऑफ फिलॉशफी

की उपाधि

इलेक्ट्रॉनिक्स एण्ड कम्प्युनिकंशन इंजीनियरिंग

Ħ

संगप्पा

को उनके द्वारा अवाप्ती देतु विभियन विद्यित सभी आहर्ताओं को पूर्णकर अपने शोव प्रशंव की 14 जुलाई 2017 में

सकलतापूर्वक प्रस्तुत करते पर, जिसका शीर्षक है : अ क्रॉस लेयर आर्किटेक्चर बेस्ड रोबस्ट राऊटिंग प्रोटोकॉल फॉर इन्टर-व्हीकूलर कम्युनिकंशन इन वासनेट

Given this day under the scul of the University at Raisen (Madhya Pradesh) in the Republic of India

Registrar

Date: 20/02/2018

Vice-Chancellor



..... JUC 70029 We, the Chancellor, Vice Chancellor, Members of the Board of Management & Academic Council of Jain University certify that

B Sudarshan

having been examined in February-2017 with Reg. No. 10PPECE146 has been conferred with the Degree of

DOCTOR OF PHILOSOPHY

in Electronics Engineering

by Jain University, Bengaluru on the 6th day of January 2018. In Testimony whereof are set the seal of the said University and the signature of the said Vice Chancellor

N. Sundaged

भविसुचना संख्या एक. 9.57/2007 मु3(ए) के इस्स समिविश्वविद्यालय के रूप में योषित

हम, जैन विश्वविद्यालय के कुलाधिपति, कुलपति, प्रबन्धन परिषद् के सदस्य एवं शिक्षा समिति, प्रमाणित करते हैं कि

बि. सुदर्शन

जिनकी पंजीयन संख्या 10PPECE146 है, फरवरी - २०१७ के परीक्षोपरांत

पीएच. डी. विद्युनमान अभियांत्रिकी

की उपाधि में उत्तीर्ण हए। जैन विश्वविद्यालय, बॅगल्र की ओर से दिनांक ६ जनवरी २०१८ को इन्हें यह उपाधि प्रदान की गई है, जिसके प्रमाण स्वरूप उक्त विश्वविदयालय की मोहर एवं उक्त कुलपति के हस्ताक्षर अंकित हैं।



Date: 06.01.2018



International Institute of Information Technology Bangalore

The Governing Body upon the recommendation of the Senate of the Institute hereby confers upon

Joy Prabhakaran P

the degree of

Doctor of Philosophy

given this Eighth day of July
Two Thousand and Eighteen at Bangalore.

S. Sadagopan

Director

S.R. Sridhar

Registrar

S. Gopalakrishnan

Chairman

ternational Institute of Information Technology Bangalore | 26/C, Electronics City, Hosur Road, Bengaluru 560 100 INDIA | http://www.iiitb.ac.in



This is to certify that

CHANDA V REDDY

has been conferred the Degree of

Doctor of Philosophy

in

Faculty of Electrical & Electronics Engineering Sciences

for the thesis entitled

Bit Loading Algorithm With Optimised Bitrate And Power Allocation In Wireless Communication System

in recognition of the fulfillment of requirements for the said degree

PH 001433

Given under the seal of the University

USN: 1RV10PEN01

BELGAUM

DATE

March 18, 2019



This is to certify that

REKHA N

has been conferred the Degree of

Poctor of Philosophy

in

FACULTY OF ELECTRICAL & ELECTRONICS ENGINEERING SCIENCES

for the thesis entitled

NOISE CANCELLATION IN GSM LOGICAL CHANNEL USING SEARCH ALGORITHM

in recognition of the fulfillment of requirements for the said degree

PH 000746

Given under the seal of the University

USN: 1KS14PEM01

BELAGAVI

DATE

APRIL 03, 2021





This is to certify that

DEVIKA B

has been conferred the Degree of

Poctor of Philosophy

in

FACULTY OF ELECTRICAL & ELECTRONICS ENGINEERING SCIENCES

for the thesis entitled

OPTIMIZING POWER IN AD HOC NETWORKS

in recognition of the fulfillment of requirements for the said degree

PH 000811

Given under the seal of the University

USN: 1KS14PEM03

BELAGAVI

DATE : APRIL 03, 2021



This is to certify that DINESH KUMAR D S

has been conferred the Degree of

Moctor of Philosophy

FACULTY OF ELECTRICAL & ELECTRONICS ENGINEERING SCIENCES

for the thesis entitled

A NOVEL MULTI ALGORITHM BASED SPEECH & FACE RECOGNITION (MULTI MODAL) SYSTEM FOR THE ANALYSIS OF FAR & FRR

in recognition of the fulfillment of requirements for the said degree

PH 001061 Given under the seal of the University

USN: 1TJ12PEN04

BELAGAVI

DATE :

APRIL 03, 2021



Indian Institute of Technology, Madras

hereby confers the degree of

Doctor of Philosophy

of the Institute

VENKATESWARA ALIAS BALAJI K

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

> A STUDY OF SOME PSYCHOLOGICAL ANTECEDENTS IN INDUSTRIAL ACCIDENTS

Given this day the Twentysixth of July, 1996 K.S. INSTITUTE OF TECHNOLO under the seal of the Institute.

Registrar | Director

D. I knowwather Chairman Board of Governors

Registration No.





National Institute of Technology Karnataka, Surathkal

hereby confers the degree of

Doctor of Philosophy

R

on

Dilip Kumar K

in recognition of the research work on

Computer Aided Prediction Of Forming Severity In L-Bending Of Aluminium Sheet
Metal*

carried out in the Department of

Mechanical Engineering

and completed all the requirements

in May 2009

Given under the seal of the Institute,

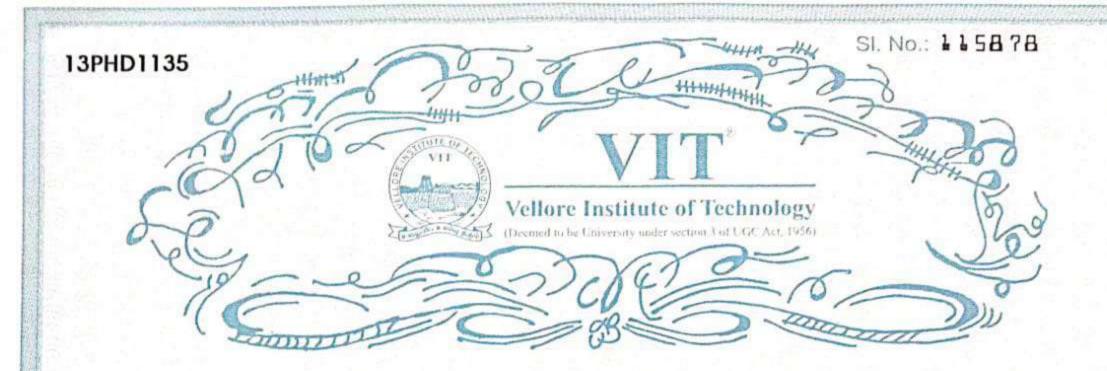
on 5th May 2010

Registrar Sl. No. PH09036

Director

-C. ment

Chairman, Board of Governors





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



M UMASHANKAR

the degree of

DOCTOR OF PHILOSOPHY

in recognition of the research work entitled

TRIBOLOGICAL STUDIES ON ZINC-ALUMINIUM CAST ALLOYS

for having fulfilled the prescribed requirements.

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

given this day the 16 June 2021



Given under the seal of this university

Vice - Chancellor

Chancellor

Dated: 08-Oct-2021

Vellore - 632 014, Tamil Nadu, India



This is to certify that

NAGAPRASAD K S

has been conferred the Degree of

Doctor of Philosophy

Faculty of Mechanical Engineering Sciences

for the thesis entitled

A Study on Effect of Fluid Injection on Diesel Engine Performance and Emissions

in recognition of the fulfillment of requirements for the said degree

000332 Given under the seal of the University

USN: 1DA08PMN03

BELAGAVI

DATE

Feb 08, 2020



This is to certify that

GIRISH T R

has been conferred the Degree of

Doctor of Philosophy

in

Faculty of Mechanical Engineering Sciences

for the thesis entitled

Development And Characterization of Hybrid Composite Using

Jute And Glass Fiber

in recognition of the fulfillment of requirements for the said degree

PH 001511

Given under the seal of the University

USN: 5VX12PMN37



BELGAUM DATE :

March 18, 2019



VICE CHANCELLOR

Scanned with CamScanner

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR

ANANTHAPURAMU - 515 002, ANDHRA PRADESH, INDIA

cc 067139

H.T.No:10PH0340

Aadhaar No: 890764913798







L Nirmala

D/o. L Rangaiah G Lingutla Ramathulasi

having fulfilled the academic requirements in August, 2019 has this day

been admitted by the Executive Council to the Degree of

... Doctor of Philosophy ...

(Mechanical Engineering)

for the Thesis entitled. "STUDIES ON ABRASIVE WEAR, CORROSION RESISTANCE AND MICROSTRUCTURAL PROPERTIES OF ZA27 NICKEL ALLOY"

Date of Viou Voce: 24.08.2019 Given under the Seal of the University

Saturday, 24 April, 2021.

P-020
J WAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
HYDERABAD - 500 085, TELANGANA STATE, INDIA

s 1503275





T No.: 0903PH1526

Mr. Saleem Khan

Slo. Gulam Hussain Falfilled the academic requirements in November - 2020

cen admitted by the Executive Council to the Degree of

Doctor of Philosophy Mechanical Engineering

Topic: "Development of Hybrid Al6061-Si3N4-Cf Metal Matrix Composite".

Given under the Seal of the University

Da e: 26-02-2022

RECTOR OF EVALUATION



VICE CHANCELLOR

PC No 320001720

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



This is to certify that

JALAJA P

has been conferred the Degree of

Poctor of Philosophy

in

FACULTY OF APPLIED SCIENCES (MATHEMATICS)

for the thesis entitled

A NUMERICAL STUDY OF UNSTEADY INCOMPRESSIBLE BOUNDARY LAYER THROUGH DOUBLE CHOKING SUPERSONIC EJECTORS

in recognition of the fulfillment of requirements for the said degree

001156

Given under the seal of the University

USN: 1EW15PGJ04

BELAGAVI

DATE

APRIL 03, 2021



ವಿಶ್ವವಿದ್ಯಾಲಯದ ಕುಲಾಧಿಪತಿ, ಸಮಕುಲಾಧಿಪತಿ, ಕುಲಪತಿ, We, the Chancellor, the Pro-Chancellor, the Vice-Chancellor, ವಿದ್ಯಾವಿಷಯಕ ಪರಿಷತ್ತು ಮತ್ತು ಸಿಂಡಿಕೇಟ್ ಸದಸ್ಯರಾದ ನಾವು the members of the Academic Council and the Syndicate

Certify that

KIRAN KUMAR S R

ಇವರು ಪರೀಕ್ಷಕರಿಂದ ಪರೀಕ್ಷಿಸಲ್ಪಟ್ಟು, ಪರೀಕ್ಷಕರ ಮಂಡಳಿಯ ಶಿಫಾರಸ್ಸಿನಂತೆ, on the recommendation of the Board of Examiners, admitted to the degree of

Doctor of Philosophy (Chemistry)

ಪದವಿಗೆ ಅರ್ಹರಾಗಿರುತ್ತಾರೆಂದು ಪ್ರಮಾಣೀಕೃತವಾಗಿರುವುದರಿಂದ in recognition of the fulfilment of requirements ೩೦ನೇ ಘಟಿಕೋತ್ಸವದಲ್ಲಿ ಸದರಿ ಪದವಿಗೆ ಇವರನ್ನು ಅಂಗೀಕರಿಸಲಾಗಿದೆ. for the said Degree at the THIRTIETH Convocation

ಅಧಿಸೂಚನೆ ದಿನಾಂಕ / Date of Notification : 12/06/2019 ಘಟಿಕೋತ್ಸವ ದಿನಾಂಕ / Date of Convocation : 29th July 2020 ವಿಶ್ವವಿದ್ಯಾಲಯದ ಮೊಹರಿನೊಂದಿಗೆ ನೀಡಲಾಗಿದೆ. Given under the seal of the University.



Jnana Sahyadri, Shankaraghatta-577451 Shivamogga District, Karnataka, India

Date of Issue: 29/07/2020

KUS



ಕುಲಪತಿ Vice-Chancellor



பாரதியார் பல்கலைக் கழகம் Bharathiar University

FACULTY OF SCIENCE அறிவியல் புலம்

ரேணுகா ச, பாரதியார் பல்கலைக் கழகத்தால் பாரதியார் பல்கலைக் ஆய்வியல் அறிஞர் அவருக்கு 2018ஆம் ஆண்டு. நவம்பர் கழக ஆட்சிக் குழு வழங்குகின்றது. என்னும் LIL'LIB 22ஆம் பட்டத்தைப் முறையாக நாளில் பல்கலைக் அமைக்கப்பட்ட தகுதியடைந்திருப்பதாகச் இயற்பியல் தேர்வாளர் என்னும் இலச்சினையுடன், சான்றளித்ததை பிரிவில்

(F)(F)

having been certified by duly appointed Examiners to be qualified to receive the same on 22nd NOVEMBER 2018. Syndicate admitted Bharathiar University **DOCTOR OF PHILOSOPHY** hereby makes unsons that Ħ. RENUKA C PHYSICS,



கோயம்புத்தூர்

நாள் Coimbatore

Dated:18th December 2019 Controller of Examinations i/c ISSUED ON - 3 OCT 2020

தேர்வாணையர்(பொ)

Given under the Seal of the University.



Registrar(i/c)

Vice-Chancellor துணைவேந்திர



This is to certify that VENKATARAMANA B S

has been conferred the Degree of

Poctor of Philosophy

in

FACULTY OF APPLIED SCIENCES (MATHEMATICS)

for the thesis entitled

STUDIES ON POWER EXPONENTIAL MEAN IN SEVERAL VARIABLE AND ITS APPLICATIONS

in recognition of the fulfillment of requirements for the said degree

PH 001822 Given under the seal of the University

USN: 1JS15PGJ05

BELAGAVI

DATE : MARCH 10, 2022