

JAWAHARLAL 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



CSE
DEAN FOR DISTANCE EDUCATION
[Signature]
14.8.18
PRESIDENT

[Signature]
REGISTRAR

[Signature]
VICE CHANCELLOR



402201652772

PC NO
316000364

K.S. INSTITUTE OF TECHNOLOGY
- BENGALURU - 560 109

क्रमांक
Serial No. 00216



अनुक्रमांक
Enrollment No. PU10-7085

पैसिफिक 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 2015 में

अभियान्त्रिकी संकाय

के **कम्प्युटर साइन्स** विभाग में

विद्या-वाचस्पति

की उपाधि प्रदान की गयी है।

शोध का विषय था **सेक्यूरिटी एंड डाटा इण्टिग्रिटी यूजिंग एट्रिब्यूट
बेस्ड एन्क्रिप्शन ऑन क्लाउड**

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 दिनांक: 18 मार्च, 2016
Date of Issue: 18th March, 2016

श. ५-३१८
प्रेसिडेंट
Pranidana

Indian Institute of Technology
Delhi

Upon the recommendation of the Senate
hereby confers the degree of

Doctor of Philosophy

on

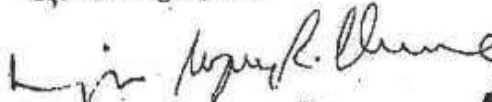
Ram Prakash Rustagi

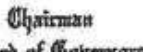
Thesis title:

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

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

The 14th August, 1999


Director &
Chairman, Senate


Chairman
Board of Governors


Registrar



13PHD1033

Sl. No. 103470



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

DEEPA S.R

the degree of

DOCTOR OF PHILOSOPHY

in recognition of the research work entitled

BIO-INSPIRED CLUSTER OPTIMIZATION IN WIRELESS SENSOR NETWORK

for having fulfilled the prescribed requirements.

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

given this day the 14 September 2020

Given under the seal of this university



R.B. Keckala
Vice - Chancellor

[Signature]
Chancellor

Dated : 19-Oct-2020

Vellore - 632 014, Tamil Nadu, India

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
KARNATAKA, INDIA



This is to certify that

SWATHI K

has been conferred the Degree of

Doctor 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



BELAGAVI
DATE

APRIL 03, 2021

[Signature]
en/21

[Signature]
VICE CHANCELLOR



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
KARNATAKA, INDIA

PH
18 001970

Provisional Degree Certificate

This is to certify that Mr./Ms. VANEETA M

is qualified for the award of the degree of

DOCTOR OF PHILOSOPHY IN FACULTY OF COMPUTER & INFORMATION SCIENCES W.E.F. 29.6.2021

*of this University for having fulfilled the requirements for the award
of the said Degree by submitting the thesis titled :*

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

with University Seat No. 1KS15PEJ04

*The degree will be conferred on him / her at the next
convocation or thereafter.*

Belagavi
Date : 00.07.2021



Rang B.E
Registrar (Evaluation)



Indian Institute of Technology, Madras

hereby confers the degree of
Doctor of Philosophy
of the Institute
on

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
under the seal of the Institute.

[Signature]
PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.



[Signature]
Registrar

[Signature]
Director

[Signature]
Chairman, Board of Governors

Registration No.



03221012A



National Institute of Technology Karnataka, Surathkal

hereby confers the degree of

Doctor of Philosophy



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



H. Prakash
Registrar

Handy
Director

E. Menti

Chairman, Board of Governors

Sl. No. PH09036



VIT[®]

Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

Office of Academic Research

Dr. Kalyani Desikan
Dean Academic Research

Ref. No:VIT/Dean(AR)/SMEC/13PHD1135/ 20211100
July 06, 2021

Provisional Certificate

This is to certify that the thesis titled **“TRIBOLOGICAL STUDIES ON ZINC-ALUMINIUM CAST ALLOYS”**, submitted by **Mr.Umashankar M (13PHD1135)** registered under the **School of Mechanical Engineering** has been recommended for the award of the degree of **Doctor of Philosophy (Ph.D.)** by the duly appointed examiners. He has successfully defended his thesis in the oral examination conducted on Wednesday, June 16, 2021.

He is eligible for the award of **Doctor of Philosophy (Ph.D) degree** of VIT Chennai in accordance with the provisions of the UGC Regulations 2009, after due approvals by the appropriate authorities at the next convocation.


Dr. Kalyani Desikan



VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
KARNATAKA, INDIA



This is to certify that

NAGAPRASAD K S

has been conferred the Degree of

Doctor of Philosophy

in

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*

PH
19 000332

Given under the seal of the University

USN: 1DA08PMN03



BELAGAVI

DATE : Feb 08, 2020

VICE CHANCELLOR



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
KARNATAKA, INDIA

PH
18 000102

Provisional Degree Certificate

This is to certify that Mr./Ms. Girish T. R.

is qualified for the award of the degree of
Doctor of Philosophy Faculty of Mechanical Engineering Sciences w.e.f. 27.10.2018
of this University for having fulfilled the requirements for the award
of the said Degree by submitting the thesis titled :

"DEVELOPMENT AND CHARACTERIZATION OF HYBRID COMPOSITE USING JUTE AND GLASS FIBER

with University Seat No. 5VX12PMN37

The degree will be conferred on him / her at the next
convocation or thereafter.

Belagavi

Date : 03.11.2018



Annig
Registrar (Evaluation)

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

&

Lingulla 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 Viva Voce : 24.08.2019 Given under the Seal of the University

Saturday, 24 April, 2021.



DIRECTOR OF EVALUATION

REGISTRAR

VICE CHANCELLOR

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



320001720

SI. No. PC 01146069

PROVISIONAL CERTIFICATE



Hall Ticket No.: 0903PH1526

This is to certify that Mr. SALEEM KHAN

son of Mr. GULAM HUSSAIN

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

in the faculty of MECHANICAL ENGINEERING

of this University, held in November, 2020 for the thesis entitled,

"Development of Hybrid Al6061-Si₃N₄-C_f Metal Matrix Composite".

Nlll
Verified by
Hyderabad - T.S.

Uppara
Director of Evaluation

[Signature]
REGISTRAR

Date: 18 February 2021

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
KARNATAKA, INDIA



This is to certify that

DINESH KUMAR D S

has been conferred the Degree of

Doctor of Philosophy

in

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
19

001061

Given under the seal of the University

USN: 1TJ12PEN04



BELAGAVI

DATE :

APRIL 03, 2021

VICE CHANCELLOR

051364

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR



ANANTAPUR - 515 002, ANDHRA PRADESH, INDIA

H.T.No: 0803PH0822

Pattipathi Naga Sudha

D/o Ranga Reddy B

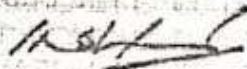
having fulfilled the academic requirements in November, 2013 has this day been admitted by the Monitoring & Development Committee to the Degree of

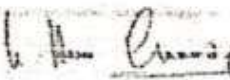
Doctor of Philosophy
(Electronics & Communication Engineering)

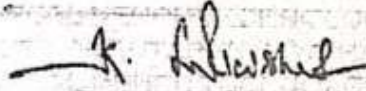
for the Thesis entitled,
"SPEECH COMPRESSION AND ERROR CORRECTION FOR MOBILE COMMUNICATION"

Monday, 16 December, 2013.

Given under the Seal of the University


Director of Evaluation


Registrar


Vice Chancellor

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM
KARNATAKA, INDIA



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
13 001433

Given under the seal of the University;

USN: IRV10PEN01



BELGAUM

DATE : March 18, 2019

VICE CHANCELLOR

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



[Signature]

DIRECTOR OF EVALUATION

[Signature]
REGISTRAR

[Signature]
VICE CHANCELLOR



460201552863

PC No
21777026418



ENROLMENT NO.: AU141787

AISECT UNIVERSITY™

A STATUTORY UNIVERSITY UNDER SECTION 2(F) OF THE UGC ACT

Raisen, (M.P.)

Hereby confers the degree of

DOCTOR OF PHILOSOPHY



In

Electronics & Communication Engineering

on

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

डॉक्टर ऑफ फिलॉसफी

की उपाधि

इलेक्ट्रॉनिक्स एण्ड कम्युनिकेशन इंजीनियरिंग

में

संगप्पा

को उनके द्वारा अवाप्ती हेतु विनियम विहित सभी आहर्ताओं को पूर्णकर अपने शोध प्रबंध को

14 जुलाई 2017 में

सफलतापूर्वक प्रस्तुत करने पर, जिसका शीर्षक है :

अ क्रॉस लेयर आर्किटेक्चर बेस्ड रोबस्ट राऊटिंग प्रोटोकॉल फॉर इन्टर-व्हीकूलर
कम्युनिकेशन इन वासनेट

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

Registrar

Date : 20/02/2018
Raisen (M.P.) India

Vice-Chancellor



**International Institute of
Information Technology
Bangalore**

(Formerly Indian Institute of Information Technology)

F.No. PH2012003/Term2/IIITB/2017-18/Term2

Date: March 19, 2018

PROVISIONAL CERTIFICATE

This is to certify that Mr. Joy Prabhakaran student enrolment No. PH2012003, Research Scholar in the Institute has successfully completed the Doctor of Philosophy program of the institute and has successfully defended his thesis titled "Novel Techniques in Image Zooming and Hierarchical Multi-Resolution Image Representation" under the supervision of Prof. P G Poonacha and Prof. Jaya Sreevalsan Nair on January 24, 2018. He has thus completed all the requirements for the award of the Doctor of Philosophy Degree. The Senate of the institute, in its 60th meeting held on February 21, 2018 has recommended the award of Doctor of Philosophy of the institute to Mr. Joy Prabhakaran. The degree will be conferred on him after its due consideration by the Governing Body of the Institute at the next annual convocation of the institute to be held on July 8, 2018.



SR Sridhar
Commodore (Retd.)
Registrar

S R Sridhar
Commodore (Retd.)
Registrar
International Institute of Information Technology, Bangalore
26/C, Electronics City,
Hoosur Road, Bangalore - 560100
Ph : 080-41407777, Fax : 080-28527636

26/C,

Ph : 91-80-41407777,
Fax : 080-28527636

JUC 70029

JGU



JAIN UNIVERSITY

Declared as Deemed-to-be University u/s 3 of the UGC Act, 1956
vide MHRD Notification No. F-9-57/2007-U3(A)

*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*

Date : 06.01.2018

N. Sundarshan
Vice Chancellor

जैन विश्वविद्यालय

विश्वविद्यालय अधिनियम, 1956 के अनुच्छेद 3 के अन्तर्गत मान्य संसदपत्र विद्यालय प्रमाणित की
अधिकृत संख्या एन. 9-57/2007-उ3(अ) के द्वारा मान्य विश्वविद्यालय के रूप में घोषित

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.
विद्युन्मान अभियांत्रिकी

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

एन. सुदर्शन
कुलपति

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
KARNATAKA, INDIA



This is to certify that

DEVIKA B

has been conferred the Degree of

Doctor 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
19

USN: 1KS14PEM03



BELAGAVI
DATE : APRIL 03, 2021


VICE CHANCELLOR

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
KARNATAKA, INDIA



This is to certify that

REKHA N

has been conferred the Degree of

Doctor 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
19 000746

Given under the seal of the University

USN: 1KS14PEM01



BELAGAVI

DATE : APRIL 03, 2021


VICE CHANCELLOR

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
KARNATAKA, INDIA



This is to certify that

JALAJA P

has been conferred the Degree of

Doctor 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*

PH 001156 Given under the seal of the University

USN: 1EW15PGJ04



BELAGAVI

DATE : APRIL 03, 2021

VICE CHANCELLOR

KA 103010



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
ಒಂನೇ 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



Dr. Venakshachappa
ಕುಲಪತಿ
Vice-Chancellor

Folio :D 03678



BHARATHIAR UNIVERSITY

COIMBATORE - 641 046

Ph.D. PROVISIONAL CERTIFICATE

This is to certify that

RENUKA C

has qualified for

the award of the Degree of

DOCTOR OF PHILOSOPHY

of this University in

PHYSICS

on **22/11/2018**

after having

completed the requirements prescribed for the award of the Degree.*

* under external part time mode.



Coimbatore - 641 046

Date : 06 DEC 2018


Controller of Examinations i/c