

UNIVERSITY OF MYSORE  
ಮೈಸೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯ



*We, the Chancellor, the Pro-Chancellor, the Vice-Chancellor and  
Members of the Syndicate of the University of Mysore  
do hereby certify that*

ಮೈಸೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಕುಲಾಧಿಪತಿಗಳು, ಸಮಕುಲಾಧಿಪತಿಗಳು, ಕುಲಪತಿಗಳು  
ಹಾಗೂ ಸಿಂಡಿಕೇಟನ ಸದಸ್ಯರಾದ ನಾವು

**K R JAYAKUMAR**

*has been awarded the Degree of*

ಅವರು ನಿಗದಿತ ಪರೀಕ್ಷೆಯಲ್ಲಿ ಉತ್ತೀರ್ಣರಾಗಿರುವುದರಿಂದ

**DOCTOR OF PHILOSOPHY**

**in**

**MATHEMATICS**

**ಡಾಕ್ಟರ್ ಆಫ್ ಫಿಲಾಸಫಿ**

*on being duly certified to have passed the prescribed examination*

ಪದವಿಯನ್ನು ಅವರಿಗೆ ಪ್ರದಾನ ಮಾಡಲಾಗಿದೆಯೆಂದು ಪ್ರಮಾಣೀಕರಿಸುತ್ತೇವೆ

*Given under the seal of the University*

ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಮೊಹರಿನೊಂದಿಗೆ ನೀಡಲಾಗಿದೆ



Date of Convocation 07/04/2012

ಘಟಿಕೋತ್ಸವದ ದಿನಾಂಕ

Mysore/ಮೈಸೂರು

Sl.No./ಕ್ರಮ ಸಂಖ್ಯೆ N<sup>o</sup>

528



Vice-Chancellor

ಕುಲಪತಿ

डाक्टर हरीसिंह गौर विश्वविद्यालय, सागर (म. प्र.)  
Doctor Harisingh Gour Vishwavidyalaya, Sagar (M. P.)



डाक्टर ऑफ फिलासफी  
Doctor of Philosophy  
(विज्ञान संकाय)  
(Faculty of Science)

प्रमाणित किया जाता है कि

कुमारी रंजना जैन

को इस विश्वविद्यालय के विज्ञान संकाय के अन्तर्गत  
रसायन में डाक्टर आफ फिलासफी की  
उपाधि प्रदान की गई

This is to certify that

Ms. Ranjana Jain

has been admitted to the degree of  
Doctor of Philosophy in the Faculty of Science  
in Chemistry in this University

24 JAN 1997

डा. हरीसिंह गौर विश्वविद्यालय, सागर (म. प्र.)  
Dr. Harisingh Gour Vishwavidyalaya, Sagar (M. P.)

Diya Sahu  
(विज्ञान संकाय)  
कुलपति  
Kulpati

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



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



PC No  
31600364

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

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 2015 में

**अभियान्त्रिकी संकाय**

के **कम्प्यूटर साइन्स** विभाग में

**विद्या-वाचस्पति**

की उपाधि प्रदान की गयी है।

शोध का विषय था **सेक्यूरिटी एंड डाटा इन्टिग्रिटी यूसिंग एट्रिब्यूट  
बेस्ड एन्क्रिप्शन ओन 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**

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



निर्गमन दिनांक: 18 मार्च, 2016  
Date of Issue: 18<sup>th</sup> March, 2016

११.५ - २०१६  
प्रेसिडेंट  
President

# Indian Institute of Technology Delhi

Upon the recommendation of the Senate  
hereby confers the degree of

Doctor of Philosophy

on

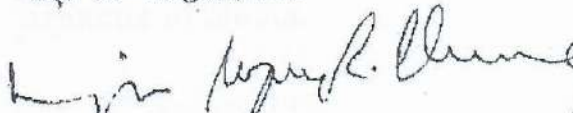
Ram Prakash Rustagi

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 14<sup>th</sup> August, 1999

  
Director &  
Chairman, Senate

Chairman  
Board of Governors

  
Registrar



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

CC 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*

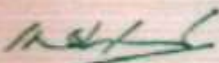
*Doctor of Philosophy*  
(Electronics & Communication Engineering)

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

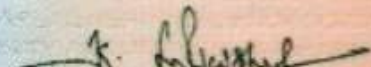
*Monday, 16 December, 2013.*

Given under the Seal of the University



  
Director of Evaluation

  
Registrar

  
Vice Chancellor

ENROLMENT NO.: AU141787



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

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

**Joy Arabhakaran M**

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



**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



DIRECTOR OF EVALUATION

REGISTRAR

VICE CHANCELLOR



460201552883

PC No  
21777026418

JUC 70029

JGI



## JAIN UNIVERSITY

Declared as Deemed-to-be University vide 3 of the UGC Act, 1956  
vide MHRD Notification No. F-9-57/2007-123(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 6<sup>th</sup> day of January 2018.  
In Testimony whereof are set the seal of the  
said University and the signature of the  
said Vice Chancellor*

*N. Sundarshan*  
Vice Chancellor

Date : 06.01.2018

## जैन विश्वविद्यालय

विश्वविद्यालय जैन विश्वविद्यालय, 1956 के अधिनियम 3 के अन्तर्गत स्थापित किया गया है।  
जिनका संस्थापक सं. 9-57/2007-123(A) के द्वारा अधिनियमित किया गया है।

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 - 2017 के परीक्षोपरांत

पीएच. डी.  
विद्युत्प्रमाण अभियांत्रिकी

की उपाधि में उत्तीर्ण हुए।  
जैन विश्वविद्यालय, बंगलूरु की ओर से  
दिनांक 6 जनवरी 2018 को इनके यह उपाधि  
प्रदान की गई है, जिसके प्रमाण स्वरूप उक्त  
विश्वविद्यालय की मोहर एवं  
उक्त कुलपति के हस्ताक्षर अंकित हैं।

*N. Sundarshan*  
कुलपति

ಬೆಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾಲಯ  
**Bangalore University**  
 certifies that

*T.V. Govindaraju*..... ಅವರು  
 ಯಥಾಯೋಗ್ಯವಾಗಿ ಈಗಾಗಲೇ ಪ್ರವೇಶ ಪಡೆದಿರುವರೆಂದು ದೃಢೀಕರಿಸುತ್ತಾ  
*has been duly admitted to the Degree of*

ಡಾಕ್ಟರ್ ಆಫ್ ಫಿಲಾಸಫಿ  
**Doctor of Philosophy**

*(Faculty Of Engineering - Mechanical)*

ಪದವಿಗೆ ಅಗತ್ಯವಾದ ಅರ್ಹತೆಗಳನ್ನು ಪೂರೈಸಿ ಪರಿಗಣಿಸಲಾಗಿರುವ ಕಾರಣ  
*in recognition of the fulfilment of requirements*  
 ಮೇಲೆ ಕಾಣಿಸಿದ ಪದವಿಗೆ ಅವರನ್ನು ಅಂಗೀಕರಿಸಲಾಗಿದೆ. ಆ ಪದವಿಯ ವಿವರಗಳು ಹೀಗಿವೆ :  
*for the said degree as follows :*

ಪದವಿಯನ್ನು ನೀಡಿದ ವರ್ಷ..... 2000  
*Year of Acceptance :*

ಸಂಶೋಧನಾ ಪ್ರಬಂಧದ ಶೀರ್ಷಿಕೆ..... "Photoelastic stress Analysis  
*Title of the Thesis for Geometrical Optimisation of*  
*spline coupling"*



ವಿಶ್ವವಿದ್ಯಾಲಯದ ಅಧಿಕಾರ ಮುದ್ರೆಯೊಡನೆ ನೀಡಲಾಗಿದೆ  
*Given under the seal of the University*



ಬೆಂಗಳೂರು  
*Bangalore*

ದಿನಾಂಕ  
*Dated* 19.12.2000

*K. S. Srinivas*  
 ಉಪಾಧ್ಯಕ್ಷ  
*Vice-Chancellor*



# 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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM  
KARNATAKA, INDIA



*This is to certify that*

**K. Rama Narasimha**

*has been conferred the Degree of*

**Doctor of Philosophy**

*in*

**Faculty of Mechanical Engineering Sciences**

*for the thesis entitled*

**Studies on Pulsating Heat Pipes**

*in recognition of the fulfillment of requirements  
for the said degree*

PH  
07 000388

Given under the seal of the University

USN : 1BM03PMM02



APRIL 8, 2012

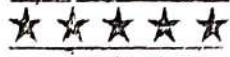
*K.S. Rama*  
Head of the Department  
Dept. of Mechanical Engg.  
K.S. Institute of Technology  
Bengaluru - 560 109.

A45-P2-62

# ಬೆಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾಲಯ Bangalore University



FOR QUALITY & EXCELLENCE  
IN HIGHER EDUCATION



Accredited by NAAC

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

Verify that  
**B S Ajay Kumar**

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

ಡಾಕ್ಟರ್ ಆಫ್ ಫಿಲಾಸಫಿ

Doctor of Philosophy

(Faculty Of Engineering - Mechanical Engineering)

ಪದವಿಗೆ ಅಗತ್ಯವಾದ ಅರ್ಹತೆಗಳನ್ನು ಪೂರೈಸಿರುವುದು ಪರಿಗಣಿತವಾಗಿರುವ ಕಾರಣ  
*in recognition of the fulfilment of requirements*  
ಮೇಲೆ ಕಾಣಿಸಿದ ಪದವಿಗೆ ಅವರನ್ನು ಅಂಗೀಕರಿಸಲಾಗಿದೆ. ಈ ಪದವಿಯ ವಿವರಗಳು ಹೀಗಿವೆ  
*for the said degree as indicated below*

ಪದವಿಯನ್ನು ನೀಡಿದ ವರ್ಷ: ..... 2009 .....

Year of Award:

ಸಂಶೋಧನಾ ಪ್ರಬಂಧದ ಶೀರ್ಷಿಕೆ : " Studies on Cryogenically  
Subject: Treated Cutting Tools "

ವಿಶ್ವವಿದ್ಯಾಲಯದ ಅಧಿಕಾರ ಮುದ್ರೆಯೊಡನೆ ನೀಡಲಾಗಿದೆ

Given under the seal of the University

Bangalore:

ದಿನಾಂಕ 30.04.2010  
Date:

*Ajay Kumar*  
BS

*M. Prabhakar*  
ಕುಲಪತಿ  
Vice-Chancellor

PRINCIPAL  
K.S. INSTITUTE OF TECHNOLOGY  
BENGALURU

CHNOLOGY  
109.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM  
KARNATAKA, INDIA



*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  
13

001511

Given under the seal of the University

USN: 5VX12PMN37



VICE CHANCELLOR

BELGAUM  
DATE

: March 18, 2019