



**National Education Society (R.)**  
**Jawaharlal Nehru New College of**  
**Engineering, Shivamogga**



*(Approved by AICTE, New Delhi, Certified by UGC 2f & 12B, Accredited by NAAC -'B', UG programs: CE, ME, EEE, ECE, CSE, ISE, ETE PG Programs: MBA, accredited by NBA: 1.7.2022 to 30.6.2025,*

*Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi)*

**INTERNAL QUALITY ASSURANCE CELL (IQAC)**

**2019-2020**

SL.NO	NAME	UNIVERSITY	SUBJECT	YEAR OF AWARD
1.	DR. MOINUDDIN KHAN M H	KUVEMPU UNIVERSITY	STUDIES ON TETRA SUBSTITUTED METAL PTHALOCYANINE COMPLEXES	2007
2.	DR. SACHIN H P	KUVEMPU UNIVERSITY	ELECTROORGANIC SYNTHESIS OF SOME TECHNOLOGICALLY IMPORTANT COMPOUNDS	2007
3.	DR. RAJENDRA KHATAVKAR	KUVEMPU UNIVERSITY	DEVELOPMENT OF TRAFFIC CAPACITY MODEL FOR NH UNDER MIXED TRAFFIC CONDITIONS	2011
4.	DR. C G HEMAMALINI	ANNA UNIVERSITY	MICRO LEVEL STUDY ON GROUNDWATER CONTAMINANT TRANSPORT MODELING OF INDUSTRIAL POLLUTION AND HYDRO REMEDIATION	2013
5.	DR. KARTHIKA B S	NITK,SURATHKAL	MODELING OF AIR TEMPERATURE USING HYBRID WAVELET TRANSFORM - ANFIS - SUPPORT VECTOR MACHINE COMPUTING TECHNIQUES	2016
6.	DR. NIRMALA SHIVANAND	MYSORE UNIVERSITY	ENHANCING THE READABILITY OF FOREGROUND TEXT IN COMPLEX BACKGROUND DOCUMENT IMAGE	2011
7.	DR. JALES KUMAR	VTU	STUDY AND DESIGN OF NOVEL APPROACHES TO ENHANCE THE SECURITY OF IMAGE CONTENTS	2018
8.	DR. CHETAN K R	VTU	INTELLIGENT DOCUMENT IMAGE WATERMARKING FOR EFFECTIVE CORRECTION AND DETECTION OPERATIONS	2019
9.	DR. MANJULA G R	KUVEMPU UNIVERSITY	A NOVEL APPROACH TO DATA HIDING AND DATA EMBEDDING TECHNIQUES	2016
10.	DR. RAVINDRA S	VTU	DESIGN AND DEVELOPMENT OF NODE LOCALIZATION TECHNIQUES FOR WIRELESS SENSOR NETWORKS	2018
11.	DR. POORNIMA K M	KUVEMPU UNIVERSITY	ANALYSIS AND STUDY OF FACE RECOGNITION TECHNIQUES	2014
12.	DR. H.R.MAHADEVASWAMY	NIT, CALICUT UNIVERSITY	FRACTAL AND WAVELET IMAGE COMPRESSION	2003



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SL.NO	NAME	UNIVERSITY	SUBJECT	YEAR OF AWARD
13.	DR. MANJUNATHA P	IIT, MUMBAI	RELIABILITY STUDIES IN WIRELESS SENSOR NETWORKS AND THEIR PROTOCOL ARCHITECTURE FOR ENERGY EFFICIENT DATA FUSION AND ROUTING	2012
14.	DR. SATHYANARAYANA S V	MANIPAL UNIVERSITY	KEY SEQUENCES OF ELLIPTIC CURVE POINTS OVER FINITE FIELDS, THEIR PROPERTIES AND APPLICATION IN IMAGE ENCRYPTION AND DECRYPTION	2010
15.	DR. SURENDRA S	IISC-BENGALURU	DEVELOPMENT OF ALGORITHMS FOR IMPROVED PLANNING AND OPERATION OF DEREGULATED POWER SYSTEMS	2012
16.	DR. SURESH H B	JNTU, HYDERABAD	SELECTION OF SUSTAINABLE ENERGY TECHNOLOGIES BASED ON ENERGY AVAILABILITY CONSUMPTION PATTERN - A REGION SPECIFIC ANALYSIS	2015
17.	DR. THEJASWI A H	JNTU, HYDERABAD	INFLUENCE OF MODERN ILLUMINATION GADGETS AND NON-LINEAR LOADS ON ELECTRICAL POWER QUALITY DISTURBANCES	2012
18.	DR. VEENA VINOD	KUVEMPU UNIVERSITY	TECHNICAL EDUCATION: NEED FOR A NEW PARADIGM IN TEACHING ENGLISH	2016
19.	DR. SANJEEV KUNTE R	MYSORE UNIVERSITY	AN EFFICIENT HYBRID-APPROACH FOR THE PRACTICAL IMPLEMENTATION OF THE RECOGNITION OF PRINTED NON-CURSIVE CHARACTER SEQUENCES WITH SUBSCRIPTS	2009
20.	DR. JYOTHI K	KUVEMPU UNIVERSITY	3D FACE RECONSTRUCTION AND RECOGNITION FROM STEREO IMAGES BASED ON COMPUTER VISION TECHNIQUES.	2015
21.	DR. NIRMALA T	KUVEMPU UNIVERSITY	STUDY OF DUSTY FLUID FLOW WITH VARIABLE VISCOSITY	2011
22.	DR. GURUPADAVVA INGALAHALLI	KUVEMPU UNIVERSITY	A STUDY ON CONTACT MANIFOLDS ADMITTING SEMI-SYMMETRIC METRIC CONNECTIONS.	2014

  
Principal  
J N N College of Engineering  
Shivamogga.



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**INTERNAL QUALITY ASSURANCE CELL (IQAC)**

SL.NO	NAME	UNIVERSITY	SUBJECT	YEAR OF AWARD
23.	DR. KRISHNAMURTHY M R	KUVEMPU UNIVERSITY	A STUDY ON BOUNDARY LAYER FLOW AND HEAT TRANSFER OF DUSTY NANOFLUID	2017
24.	DR. KRISHNA MURTHY M G	KUVEMPU UNIVERSITY	AN ANALYSIS OF COST-PRICING-PROFIT RELATIONSHIP IN PROCESS INDUSTRY (WITH SPECIAL REFERENCE TO PAPER INDUSTRY IN KARNATAKA)	1999
25.	DR. SRIKANT C	VTU	A STUDY OF 3PS-PROMISES, PERFORMANCE AND POTENTIAL OF CRM IN INDIAN BANKING AND FINANCIAL SERVICES SECTOR (WITH SPECIAL REFERENCE TO SELECTED COMMERCIAL BANKS)	2013
26.	DR. LAKSHMEESHA KANTI K S	VTU	A STUDY OF FINANCIAL MANAGEMENT PRACTICES, SYSTEMS & APPROACHES IN ARECA SECTOR IN THE MALNAD REGION OF KARNATAKA	2018
27.	DR. HABEEB UR REHMAN	KUVEMPU UNIVERSITY	TRAVEL AND TOURISM INDUSTRY - A CASE STUDY OF MALNAD REGION.	2009
28.	DR. SHRIKANT G SUGUR	KUVEMPU UNIVERSITY	AN EVALUATION OF INVESTMENT MANAGEMENT PRACTICES IN REGIONAL RURAL BANKS WITH SPECIAL REFERENCE TO KARNATAKA VIKAS GRAMEENA BANK	2016
29.	DR. SUBHADRA P S	KUVEMPU UNIVERSITY	WORK LIFE BALANCE AMONG THE BANK EMPLOYEES: AN EMPIRICAL STUDY WITH SPECIAL REFERENCE TO SHIMOGA DISTRICT	2018
30.	DR. VIKRAMA D K	VTU	A STUDY ON THE PROBLEMS AND PROSPECTS OF RURAL TOURISM IN KARNATAKA STATE	2018
31.	DR. SRINIVASA MURTHY B V	TUMKUR UNIVERSITY	EFFECTIVENESS OF INTEGRATED MARKETING COMMUNICATION APPROACHES IN TOURISM INDUSTRY - A STUDY OF MALNAD REGION IN KARNATAKA	2017
32.	DR. VIKRAMA V	VTU	A STUDY ON SUPPLY CHAIN MANAGEMENT PRACTICES OF SELECTED NEWSPAPER COMPANIES IN KARNATAKA STATE	2017



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**INTERNAL QUALITY ASSURANCE CELL (IQAC)**

SL.NO	NAME	UNIVERSITY	SUBJECT	YEAR OF AWARD
33.	DR. RAVISHA N S	VTU	AN EVALUATION OF POST RECESSIONARY PERFORMANCE OF SELECTED PUBLIC SECTOR BANKS- A STUDY WITH SPECIAL REFERENCE TO MALNAD REGION OF KARNATAKA	2016
34.	DR. SANTHOSHA	VTU	MARKETING OF HEALTH INSURANCE IN RURAL AREAS: A STUDY WITH REFERENCE TO DAKSHINA KANNADA AND UDUPI DISTRICTS OF KARNATAKA	2016
35.	DR. PRABHUDEVA S	IIT-MUMBAI	RELIABILITY MODELLING OF COMPUTER BASED SYSTEMS WITH IMPRECISE INFORMATION.	2009
36.	DR. RAGHAVENDRA S P	KUVEMPU UNIVERSITY	DESIGN AND ANALYSIS OF MACHINE LEARNING SYSTEMS FOR AUTOMATIC BANK CHEQUE PROCESSING	2019
37.	DR. RAMAKRISHNA D S	IISC, BANGALORE	STRESS FIELD DISTORTION DUE TO VOIDS AND INCLUSIONS IN CONTACT PROBLEMS	1995
38.	DR. SABEEL AHMED K	ANNA UNIVERSITY, CHENNAI	INVESTIGATIONS ON MECHANICAL PERFORMANCE CHARACTERISTICS OF JUTE-GLASS FIBER HYBRID COMPOSITES	2008
39.	DR. L K SREEPATHI	IIT, BOMBAY	HEAT TRANSFER DURING FILM CONDENSATION OF R-123 VAPOUR ON HORIZONTAL INTEGRAL FIN TUBES	1995
40.	DR. RAGHAVENDRA H	NITK,SURTHAKAL	DEVELOPMENT OF AUSTEMPERED DUCTILE IRON AS A GRINDING MEDIA MATERIAL IN THE BALL MILL MICROSTRUCTURAL ASPECTS AND INFLUENCE OF SURFACE COATING	2014
41.	DR. BASAVARAJ E	MYSORE UNIVERSITY	INVESTIGATION ON MECHANICAL, TRIBOLOGICAL AND MORPHOLOGICAL BEHAVIOUR OF POLYMER COMPOSITES	2012
42.	DR. RAJATH HEGDE M M	NITK,SURTHAKAL	SYNTHESIS AND CHARACTERIZATION OF MECHANICALLY ALLOYED NONSTRUCTURED-A1-FE	2014
43.	DR. BASAPPAJI K M	KUVEMPU UNIVERSITY	OPPORTUNITIES AND BENEFITS OF CLEANER PRODUCTION: A STUDY OF	2015



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**INTERNAL QUALITY ASSURANCE CELL (IQAC)**

SL.NO	NAME	UNIVERSITY	SUBJECT	YEAR OF AWARD
			AGRO BASED MICRO, SMALL AND MEDIUM SCALE INDUSTRIES	
44.	DR. AMITH KUMAR S J	VTU	INVESTIGATIONS ON RESIN IMPREGNATED PAPER BASED SANDWICH COMPOSITE FILLED WITH LOW-WATER ABSORPTION FOAM FOR MARINE APPLICATIONS	2017
45.	DR. MANJUNATHA CHARY G H	VTU	DEVELOPMENT AND CHARACTERIZATION OF COCONUT SHELL PARTICLE REINFORCED POLYMER COMPOSITE FOR LOW POWER AT LOW SPEED TRANSMISSION SYSTEM	2020
46.	DR. ANANDARAM B N	MYSORE UNIVERSITY	STUDY OF ENVIRONMENTAL RADIOACTIVITY IN AND AROUND SHIMOGA	1999
47.	DR. RAJPRAKASH H G	MANGALORE UNIVERSITY	STUDIES ON PHOTOFISSION OF SOME ACTINIDE TARGETS	2010
48.	DR. USHA DEVI M B	KUVEMPU UNIVERSITY	PERFORMANCE EVALUATION OF SWITCHING TECHNOLOGIES FOR EFFICIENT COMMUNICATION THE CHALLENGES AND SOLUTIONS	2010

  
*Principal*  
J N N College of Engineering  
Shivamogga.



## Kuvempu University

ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಕುಲಾಧಿಪತಿ, ಸಹಕುಲಾಧಿಪತಿ, ಕುಲಪತಿ ವಿದ್ಯಾ ವಿಷಯಕ ಪರಿಷತ್ತು ಮತ್ತು ಸಿಂಡಿಕೇಟ್ ಸದಸ್ಯರಾದ  
ನಾವು ಶ್ರೀ / ಶ್ರೀಮತಿ ..... **ಮೊಯಿನುದ್ದೀನ್ ಖಾನ್ . ಎಂ.ಹೆಚ್** ..... ಇವರು  
..... 2008 .....ನೇ ವರ್ಷದಲ್ಲಿ ಪರೀಕ್ಷಕರಿಂದ ಪರೀಕ್ಷಿಸಲ್ಪಟ್ಟು ..... **ಪಿಹೆಚ್ .ಡಿ** .....  
ಪದವಿಗಾಗಿ ಅರ್ಹರಾಗಿರುತ್ತಾರೆಯೆಂದು ಪ್ರಮಾಣೀಕೃತವಾಗಿರುವುದರಿಂದ ದಿನಾಂಕ ..... 23-02-2008 ..... ರಂದು ನಡೆದ  
..... **ಹದಿನೆಂಟೆ** ..... ನೇ ಘಟಕೋತ್ಸವದಲ್ಲಿ ಇವರನ್ನು

**ಡಾಕ್ಟರ್ ಆಫ್ ಫಿಲಾಸಫಿ**  
( **ಔದ್ಯೋಗಿಕ ರಾಸಾಯನಶಾಸ್ತ್ರ** )  
ಪದವಿಗೆ ಅಂಗೀಕರಿಸಲಾಗಿದೆ.

We, the Chancellor, the Pro-Chancellor, the Vice-Chancellor, the members of the Academic Council and Syndicate of Kuvempu University, certify that, on the recommendation of the Board of Examiners, Sri / Smt. .... **MOINUDDIN KHAN, M.H** ..... has been admitted to the degree of

**DOCTOR OF PHILOSOPHY**  
( **INDUSTRIAL CHEMISTRY** )

at the ..... **Eighteenth** ..... Convocation held on ..... **23-02-2008** .....

ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಮೊಹರಿನೊಂದಿಗೆ ನೀಡಿದೆ.  
*Given under the seal of the University*

ಜ್ಞಾನಸಹ್ಯಾದ್ರಿ - ಶಂಕರಘಟ್ಟ  
Jnana Sahyadri - Shankarghatta  
Pin Code : 577 451  
ಕರ್ನಾಟಕ : Karnataka  
ಭಾರತ : India  
ದಿನಾಂಕ : Date : 23-02-2008

SL. No. : N<sup>o</sup> 031180



ಕುಲಪತಿ  
Vice-Chancellor

*Principal*  
J N N College of Engineering  
Shivamogga.



# Kuvempu University

ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಕುಲಾಧಿಪತಿ, ಸಹಕುಲಾಧಿಪತಿ, ಕುಲಪತಿ ವಿದ್ಯಾ ವಿಷಯಕ ಪರಿಷತ್ತು ಮತ್ತು ಸಿಂಡಿಕೇಟ್ ಸದಸ್ಯರಾದ  
 ನಾವು ಶ್ರೀ / ಶ್ರೀಮತಿ ..... **ಸಚಿನ್ ಹೆಚ್ .ಪಿ** .....ಇವರು  
 ..... 2008 .....ನೇ ವರ್ಷದಲ್ಲಿ ಪರೀಕ್ಷಕರಿಂದ ಪರೀಕ್ಷಿಸಲ್ಪಟ್ಟು ..... **ಪಿಹೆಚ್ .ಡಿ** .....  
 ಪದವಿಗಾಗಿ ಅರ್ಹರಾಗಿರುತ್ತಾರೆಯೆಂದು ಪ್ರಮಾಣೀಕೃತವಾಗಿರುವುದರಿಂದ ದಿನಾಂಕ ..... **23-02-2008** .....ರಂದು ನಡೆದ  
 ..... **ಹದಿನೆಂಟ** .....ನೇ ಘಟಕೋತ್ಸವದಲ್ಲಿ ಇವರನ್ನು

**ಡಾಕ್ಟರ್ ಆಫ್ ಫಿಲಾಸಫಿ**  
**(ರಾಸಾಯನಶಾಸ್ತ್ರ)**  
 ಪದವಿಗೆ ಅಂಗೀಕರಿಸಲಾಗಿದೆ.

We, the Chancellor, the Pro-Chancellor, the Vice-Chancellor, the members of the Academic Council and Syndicate of Kuvempu University, certify that, on the recommendation of the Board of Examiners, Sri / Smt. .... **SACHIN.H.P.** ..... has been admitted to the degree of

## DOCTOR OF PHILOSOPHY ( CHEMISTRY )

at the ..... **Eighteenth** ..... Convocation held on ..... **23-02-2008** .....

ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಮೊಹರಸೊಂದಿಗೆ ನೀಡಿದೆ.  
*Given under the seal of the University*

ಜ್ಞಾನಸಹ್ಯಾದ್ರಿ - ಶಂಕರಘಟ್ಟ  
 Jnana Sahyadri - Shankarghatta  
 Pin Code : 577 451  
 ಕರ್ನಾಟಕ : Karnataka  
 ಭಾರತ : India  
 ದಿನಾಂಕ : Date : 23-02-2008



*[Signature]*  
 ಕುಲಪತಿ  
 Vice-Chancellor

SL. No. : **Nº 031136**

*[Signature]*  
 Principal  
 J. K. N. College of Engineering  
 Shivamogga.



# Kuvempu University

ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಕುಲಾಧಿಪತಿ, ಸಹಕುಲಾಧಿಪತಿ, ಕುಲಪತಿ, ವಿದ್ಯಾವಿಷಯಕ ಪರಿಷತ್ತು ಮತ್ತು ಸಿಂಡಿಕೇಟ್ ಸದಸ್ಯರಾದ  
ನಾವು ಶ್ರೀ / ಶ್ರೀಮತಿ ..... ರಾಜೇಂದ್ರ ಖಟಾವಕರ ..... ಇವರು  
..... 2010 ..... ನೇ ವರ್ಷದಲ್ಲಿ ಪರೀಕ್ಷಕರಿಂದ ಪರೀಕ್ಷಿಸಲ್ಪಟ್ಟು ..... ಪಿಎಚ್ .ಡಿ  
ಪದವಿಗಾಗಿ ಅರ್ಹರಾಗಿರುತ್ತಾರೆಂದು ಪ್ರಮಾಣೀಕೃತವಾಗಿರುವುದರಿಂದ ದಿನಾಂಕ ..... 09ನೇ ಮಾರ್ಚ್ 2011 ..... ರಂದು ನಡೆದ  
..... ಇಪ್ಪತ್ತೊಂದೆ ..... ನೇ ಘಟಕೋತ್ಸವದಲ್ಲಿ ಇವರನ್ನು

**ಡಾಕ್ಟರ್ ಆಫ್ ಫಿಲಾಸಫಿ**

(ಸಿವಿಲ್ ಇಂಜಿನಿಯರಿಂಗ್)

ಪದವಿಗೆ ಅಂಗೀಕರಿಸಲಾಗಿದೆ.

We, the Chancellor, the Pro-Chancellor, the Vice-Chancellor, the members of  
the Academic Council and Syndicate of kuvempu University, certify that,  
On the recommendation of the Board of Examiners,  
Sri / Smt ..... **RAJENDRA KHATAWKAR** .....  
has been admitted to the degree of

**DOCTOR OF PHILOSOPHY**

(CIVIL ENGINEERING)

at the ....Twenty..First.....Convocation held on ....09<sup>th</sup> March 2011.....

ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಮೊಹರಸೊಂದಿಗೆ ನೀಡಿದೆ.

*Given under the seal of the University*

ಜ್ಞಾನ ಸಹ್ಯಾದ್ರಿ - ಶಂಕರಘಟ್ಟ  
Jnana Sahyadri-Shankaraghatta  
Pin Code : 577 451  
ಕರ್ನಾಟಕ : Karnataka

ಭಾರತ - India 9 MAR 2011  
ದಿನಾಂಕ - Date

SL. No. 032034



ಕುಲಪತಿ

Vice-Chancellor





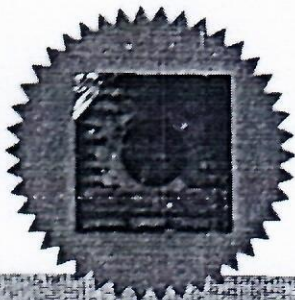
Reg No 2824119702 RG

The Syndicate of the Anna University hereby makes known that HEMAMALINI C 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 2013.

Title of the Thesis:

MICRO LEVEL STUDY ON GROUNDWATER CONTAMINANT TRANSPORT MODELING OF INDUSTRIAL POLLUTION AND HYDRO REMEDIATION

Given under the Seal of the University



Chennai 600 025  
India  
November 2013

*[Signature]*  
Controller of Examinations

*[Signature]*  
Registrar

*[Signature]*  
Vice-Chancellor

*[Signature]*  
Principal  
J N N College of Engineering  
Shivamogga.

Registration No.



123037AM12P03



National Institute of Technology Karnataka, Surathkal  
hereby confers the degree of

**Doctor of Philosophy**

on

Karthika BS



in recognition of the research work on

"MODELING OF AIR TEMPERATURE USING HYBRID WAVELET  
TRANSFORM-ANFIS-SUPPORT VECTOR MACHINE COMPUTING  
TECHNIQUES"

carried out in the Department of  
Applied Mechanics And Hydraulics  
and completed all the requirements  
in September 2016

Given under the seal of the Institute,  
on 12<sup>th</sup> November 2016

Registrar

Director

Chairperson, Board of Governors

Sl. No. PH16008

Principal

J N N College of Engineering  
Shivamogga.

# 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

**NIRMALA SHIVANANDA**

*has been awarded the Degree of*

ಅವರು ನಿಗದಿತ ಪರೀಕ್ಷೆಯಲ್ಲಿ ಉತ್ತೀರ್ಣರಾಗಿರುವುದರಿಂದ

**DOCTOR OF PHILOSOPHY**

in

**COMPUTER SCIENCE**

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



*[Signature]*  
Vice-Chancellor

Principal  
J N N College of Engineering  
Shivamogga.

138  
VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM  
KARNATAKA, INDIA



*This is to certify that*

**Jalesh Kumar**

*has been conferred the Degree of*

**Doctor of Philosophy**

*in*

Faculty of Computer and Information Sciences

*for the thesis entitled*

**Study and Design of Novel Approaches to Enhance the  
Security of Image Contents**

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

PH  
13 001173

Given under the seal of the University

USN: 4JN12PEN01



BELGAUM

DATE : January 09, 2018

VICE CHANCELLOR

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI  
KARNATAKA, INDIA



*This is to certify that*

**CHETAN K R**

*has been conferred the Degree of*

**Doctor of Philosophy**

*in*

*Faculty of Computer & Information Sciences*

*for the thesis entitled*

*Intelligent Document Image Watermarking Schemes for  
Effective Detection and Correction Operations*

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

PH  
19 000201

Given under the seal of the University

USN: 4JN13PEN05



BELAGAVI

DATE : Feb 08, 2020

VICE CHANCELLOR

Principal  
J N N College of Engineering  
Shivamogga.



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**  
**G R MANJULA**

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

**Doctor of Philosophy**  
**(Computer Science)**

ಪದವಿಗೆ ಅರ್ಹರಾಗಿರುತ್ತಾರೆಂದು ಪ್ರಮಾಣೀಕೃತವಾಗಿರುವುದರಿಂದ  
*in recognition of the fulfilment of requirements*  
 ಇಪ್ಪತ್ತೇಳನೇ ಘಟಿಕೋತ್ಸವದಲ್ಲಿ ಸದರಿ ಪದವಿಗೆ ಇವರನ್ನು ಅಂಗೀಕರಿಸಲಾಗಿದೆ.  
*for the said Degree at the TWENTY SEVENTH Convocation*

ಅಧಿಸೂಚನೆ ದಿನಾಂಕ / Date of Notification : 06 - 10 - 2016

ಘಟಿಕೋತ್ಸವ ದಿನಾಂಕ / Date of Convocation : 23 - 12 - 2016

ವಿಶ್ವವಿದ್ಯಾಲಯದ ಮೊಹರಿನೊಂದಿಗೆ ನೀಡಲಾಗಿದೆ.

*Given under the seal of the University.*



Jnana Sahyadri, Shankaraghatta-577451  
 Shivamogga District,  
 Karnataka, India  
 Date of Issue : 20/12/2016  
 KUS

18  
 12/8/17  
 Dr. Nirmala Shivamogga  
 Professor and Head  
 Dept. of Computer Science  
 J.N.N. College of Engineering  
 Shivamogga - 577451  
 KUVEMPUNIVERSITY

*Rahanna*  
 ಕುಲಪತಿ  
 Vice-Chancellor

*[Signature]*  
 Principal  
 J N N College of Engineering  
 Shivamogga.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM  
KARNATAKA, INDIA



*This is to certify that*

**RAVINDRA S**

*has been conferred the Degree of*

**Doctor of Philosophy**

*in*

*Faculty of Computer & Information Sciences*

*for the thesis entitled*

*Development of Node Localization Techniques For Wireless  
Sensor Network*

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

PH  
13 001253

Given under the seal of the University

USN: 4JN10PEN02



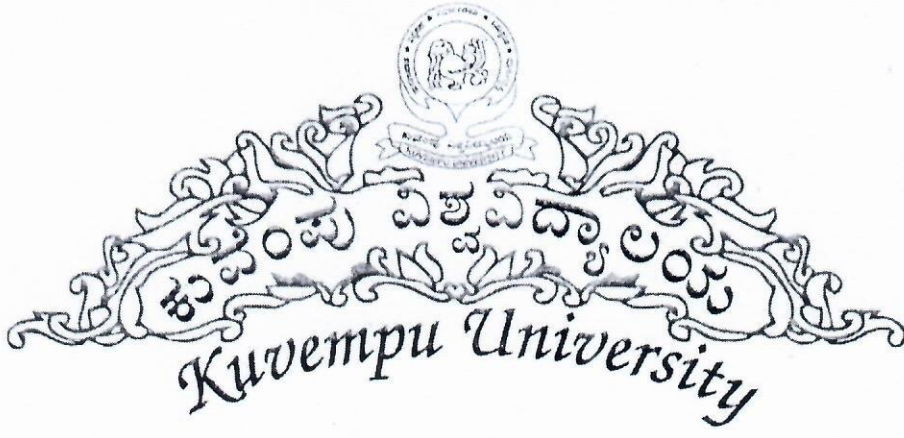
BELGAUM

DATE : March 18, 2019

VICE CHANCELLOR

Principal

College of Engineering  
Shivamogga.



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

**Certify that**

**POORNIMA K M**

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

**ಡಾಕ್ಟರ್ ಆಫ್ ಫಿಲಾಸಫಿ**

(ಕಂಪ್ಯೂಟರ್ ಸೈನ್ಸ್)

**Doctor of Philosophy**

(Computer Science)

ಪದವಿಗೆ ಅರ್ಹರಾಗಿರುತ್ತಾರೆಂದು ಪ್ರಮಾಣೀಕೃತವಾಗಿರುವುದರಿಂದ  
*in recognition of the fulfilment of requirements*  
 ಇಪ್ಪತ್ತೈದನೇ ಘಟಿಕೋತ್ಸವದಲ್ಲಿ ಸದರಿ ಪದವಿಗೆ ಇವರನ್ನು ಅಂಗೀಕರಿಸಲಾಗಿದೆ.  
*for the said Degree at the TWENTY FIFTH CONVOCATION*

ಅಧಿಸೂಚನೆ ದಿನಾಂಕ / Date of Notification : 16 - 10 - 2014

ಘಟಿಕೋತ್ಸವ ದಿನಾಂಕ / Date of Convocation : 18 - 06 - 2015

ವಿಶ್ವವಿದ್ಯಾಲಯದ ಮೊಹರಿನೊಂದಿಗೆ ನೀಡಲಾಗಿದೆ.

*Given under the seal of the University.*

ಶಿವಮೊಗ್ಗ  
 J. N. N. College of Engineering  
 Shivamogga

*Principal*  
 J. N. N. College of Engineering  
 Shivamogga.

*K. Chellappa*  
 ಕುಲಪತಿ  
 Vice-Chancellor



Jnana Sahyadri - Shankaraghatta  
 ಕ್ರಮ ಸಂಖ್ಯೆ / Sl. No. : KU17993  
 Date of Issue : 18-06-2015



99- No 045

# University of Calicut

FACULTY OF ENGINEERING

The Senate of the University of Calicut hereby makes known that

Mahadevaswamy H. R.

has been admitted to the Degree of

Doctor of Philosophy

in Engineering he/she having been certified by duly  
appointed examiners to be qualified to receive the same  
with all the Rights, Privileges and Honours thereunto appertaining.

Given under the seal of the University.



CALICUT UNIVERSITY

673 635

Date 19-2-2003.

*R. S. Mani*  
VICE-CHANCELLOR

*[Signature]*

Principal

J N N College of Engineering  
Shivamogga.

# भारतीय प्रौद्योगिकी संस्थान मुंबई

मंजुनाथ पी.

को पतझडार

विद्या वाचस्पति

को उपाधि प्रदान करता है ।

अभिप्रेत की अनुमति पर संस्थान की सुदृष्टिकृत यह उपाधि, अर्थात् हेतु विनियमों में विहित अपेक्षाओं को पूर्ण का लेने पर तथा अपने शोध-शब्द के सफल प्रयोग के उतर्ग, मुंबई, भारतीय गणराज्य में आज 18 अगस्त, 2012 को दी गई है ।

## Indian Institute of Technology Bombay

upon recommendation of the Senate hereby confers the degree of

Doctor of Philosophy

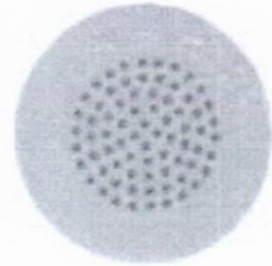
on

Manjunatha P.

who has fulfilled the requirements for the degree as prescribed under the regulations and successfully defended the thesis entitled:

"Energy Efficient Data Fusion for Event Detection and Optimal Routing Based Reliability Studies in WSN"

Given this day, under the seal of the Institute at Mumbai in the Republic of India, the 18th day of August 2012.



*Principal*

J N N College of Engineering  
Shivamogga.

*Chairman, Senate*  
अध्यक्ष, अंशिक  
संभारण

*Registrar*  
संभारण

*Chairman, Board of Governors*  
अध्यक्ष, संभारण

प्रज्ञानं ब्रह्म



# Manipal University

Formerly known as Manipal Academy of Higher Education

Deemed to be University under the UGC Act 3, 1956

*hereby confers on*

**DR. SATHYANARAYANA S V**

*the degree of*

**DOCTOR OF PHILOSOPHY (PhD)**

*in recognition of his/her research work on*

**KEY SEQUENCES OF ELLIPTIC CURVE POINTS OVER FINITE FIELDS, THEIR PROPERTIES AND APPLICATION IN IMAGE ENCRYPTION AND DECRYPTION**

*and for having fulfilled the prescribed requirements at the*

**JNN College of Engineering, Shimoga, Karnataka**

on 01st January 2010



*R.P. WARMER*

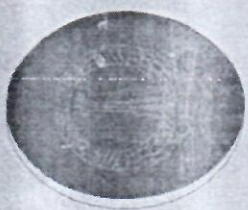
Vice-Chancellor

No: 100177

GIVEN UNDER THE SEAL OF MANIPAL UNIVERSITY, MANIPAL, INDIA

ON THIS DATE: April 13, 2010

Reg. No.: 03000027



**Indian Institute of Science Bangalore,**  
*Faculty of Engineering*

*[Signature]*  
Principal  
J. N. College of Engineering  
Shivamogga.

*The Council on the recommendation of the Senate of the*

*Institute hereby confers on*  
**Surendra S**

*the degree of*  
**Doctor of Philosophy**

*in recognition of the research work on*

**Development of Algorithms for Improved Planning and  
Operation of Deregulated Power Systems**

*P. Balaram*  
Director

14 December 2012

*[Signature]*  
Chairman of the Council

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**  
 HYDERABAD - 500 085, TELANGANA S. E. INDIA

TS 1175976



H.T No.: 0803PH0913

*Mr. Suresh A B*

*S/o. Basavana Gowda A*

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

*Doctor of Philosophy*  
*Energy Systems*

Topic : "Selection of Sustainable Energy Technologies Based on Energy Availability Consumption Pattern A Region Specific Analysis".

Given under the Seal of the University

Date: 21-04-2017

*[Signature]*

DIRECTOR OF EVALUATION



*[Signature]*

REGISTRAR

*[Signature]*

VICE CHANCELLOR



46214000069

PC No  
25349202674

*[Signature]*  
Principal

JNTU College of Engineering  
Shivamogga.



UNIVERSITY OF TECHNOLOGY  
 Phone: 01 40 23156113  
 Fax: 01 40 23198668  
 E-Mail: deptee@jntuh.ac.in

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

(Established by Andhra Pradesh Act No. 30 of 2008)  
 Kakatpally Hyderabad - 500085 Andhra Pradesh (India)

**Dr. A. Govardhan**

B.E. (CSE), M.Tech., Ph.D.,  
 Professor of CSE &  
 DIRECTOR OF EVALUATION

Ref:- P7/Ph.D/10129/9-3/IAH/FEE/2010  
 Dt:- 13-02-2012.

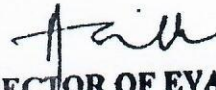
**NOTIFICATION**

Sub - Award of Ph.D. Degree in Electrical & Electronics Engineering to  
 Mr. Tejaswi A.H. (H. T. No. 0503PH0711)

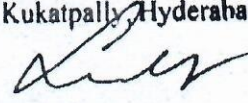
\*\*\*\*

The thesis entitled "Influence of Modern Illumination Gadgets and Non-Linear Loads on Electrical Power Quality Disturbances" submitted by Mr. Tejaswi A.H. has been accepted by the University on the recommendations of the panel of examiners. Mr. Tejaswi A.H., provisionally declared and qualified for the award of Doctor of Philosophy in the faculty of Electrical & Electronics Engineering.


//By order//

  
 DIRECTOR OF EVALUATION I/c

1. Mr. Tejaswi A.H. - through the Director, R&D Cell, JNTUH, Kakatpally, Hyderabad.
2. Dr. H.M. Ravi Kumar, Prof. & Head, Dept. of Electrical Sci., Sahyadri Inst. of Tech., Mangalore. [Supervisor]
3. Dr. B.V. Shanker Ram, Director, Admissions, JNTUH, Kakatpally, Hyderabad. [Co-Supervisor]
4. Dr. S.S. Murthy, Professor, Room No. 11/212A, Dept. of Elect. Engg., IIT, New Delhi. [External Examiner]
5. PA to V-Chancellor, Administrative Building, JNTUH, Kakatpally, Hyderabad.
6. PA to Registrar, Administrative Building, JNTUH, Kakatpally, Hyderabad.
7. The Director, R&D Cell, Administrative Building, JNTUH, Kakatpally, Hyderabad.
8. The Director, Academic and Planning, JNTUH, Kakatpally, Hyderabad.
9. The Controller of Examinations, JNTUH, Kakatpally, Hyderabad.
10. The Director Association of Indian Universities, Rouse Avenue, New Delhi.
11. The Public Relations Officer, Administrative Building, JNTU, Kakatpally, Hyderabad.

  
 Dr. Surendra.S.  
 Professor E & E Dept.  
 J.N.N. College of Engineering  
 SHIMOGA-577 204



  
 Principal  
 J.N.N. College of Engineering  
 Shivamogga.

KA 00811



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**  
**VEENA VINOD**

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

**Doctor of Philosophy**  
**(English)**

ಪದವಿಗೆ ಅರ್ಹರಾಗಿರುತ್ತಾರೆಂದು ಪ್ರಮಾಣೀಕೃತವಾಗಿರುವುದರಿಂದ  
*in recognition of the fulfilment of requirements*  
 ಇಪ್ಪತ್ತೇಳನೇ ಘಟಿಕೋತ್ಸವದಲ್ಲಿ ಸದರಿ ಪದವಿಗೆ ಇವರನ್ನು ಅಂಗೀಕರಿಸಲಾಗಿದೆ.  
*for the said Degree at the TWENTY SEVENTH Convocation*

ಅಧಿಸೂಚನೆ ದಿನಾಂಕ / Date of Notification : 03 - 06 - 2016

ಘಟಿಕೋತ್ಸವ ದಿನಾಂಕ / Date of Convocation : 23 - 12 - 2016

ವಿಶ್ವವಿದ್ಯಾಲಯದ ಮೊಹರಿನೊಂದಿಗೆ ನೀಡಲಾಗಿದೆ.

*Given under the seal of the University.*



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

Date of Issue : 23/12/2016

KUS



*R. Channarayana*

ಕುಲಪತಿ

Vice-Chancellor

J N N College of Engineering  
 Shivamogga.

# 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 ಸಿಂಡಿಕೇಟಿನ ಸದಸ್ಯರಾದ ನಾವು

**SANJEEV KUNTE R**

*has been awarded the Degree of*

ಅವರು ನಿಗದಿತ ಪರೀಕ್ಷೆಯಲ್ಲಿ ಉತ್ತೀರ್ಣರಾಗಿರುವುದರಿಂದ

**DOCTOR OF PHILOSOPHY**

in

**( COMPUTER SCIENCE )**

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 05/03/2010  
ಘಟಿಕೋತ್ಸವದ ದಿನಾಂಕ

Mysore/ಮೈಸೂರು

Sl.No./ಕ್ರಮ ಸಂಖ್ಯೆ No 007

*[Signature]*  
Vice-Chancellor

ಕುಲಪತಿ

*[Signature]*

Principal

J N N College of Engineering  
Shivamogga.





ವಿಶ್ವವಿದ್ಯಾಲಯದ ಕುಲಾಧಿಪತಿ, ಸಹಕುಲಾಧಿಪತಿ, ಕುಲಪತಿ,

We, the Chancellor, the Pro-Chancellor, the Vice-Chancellor,

ವಿದ್ಯಾವಿಷಯಿಕ ಪರಿಷತ್ತು ಮತ್ತು ಸಿಂಡಿಕೇಟ್‌ನ ಸದಸ್ಯರಾದ ನಾವು  
the members of the Academic Council and the Syndicate

Certify that

**JYOTHI K**

ಇವಳು ಪರೀಕ್ಷಕರಿಂದ ಪರೀಕ್ಷಿಸಲ್ಪಟ್ಟು, ಪರೀಕ್ಷಕರ ಮಂಡಳಿಯ ಶಿಫಾರಸ್ಸಿನಂತೆ  
on the recommendation of the Board of Examiners, admitted to the Degree of

**ಡಾಕ್ಟರ್ ಆಫ್ ಫಿಲಾಸಫಿ**

(ಕಂಪ್ಯೂಟರ್ ಸೈನ್ಸ್)

**Doctor of Philosophy**

(Computer Science)

ಪದವಿಗೆ ಅರ್ಹರಾಗಿರುತ್ತಾರೆಂದು ಪ್ರಮಾಣೀಕೃತವಾಗಿರುವುದರಿಂದ

in recognition of the fulfilment of requirements

ಇತ್ತೀಚ್ಚಿನ ಭಾರತೀಯ ಶಿಕ್ಷಣ ಸಮಿತಿಯ ಸದನ ಪದವಿಗೆ ಇವರನ್ನು ಅಂಗೀಕರಿಸಲಾಗಿದೆ.

for the said Degree at the TWENTY FIFTH CONVOCATION

ಅಭಿವಿಜ್ಞಾನ ದಿನಾಂಕ / Date of Notification : 17 - 03 - 2015

ಭಾರತೀಯ ಶಿಕ್ಷಣ ಸಮಿತಿ ದಿನಾಂಕ / Date of Convocation : 18 - 06 - 2015

ವಿಶ್ವವಿದ್ಯಾಲಯದ ಮೊದಲನೆಯ ದಿನಾಂಕದಡಿ ನೀಡಲಾಗಿದೆ.

Given under the seal of the University.

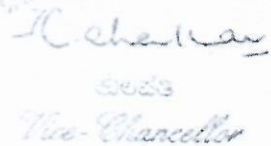


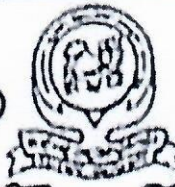
Principal  
J N N College of Engineering  
Shivamogga  
Date of issue : 18-06-2015

  
Principal

J N N College of Engineering  
Shivamogga.

  
Vice-Chancellor

  
Vice-Chancellor



# ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾನಿಲಯ

## Kuvempu University

ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಕುಲಾಧಿಪತಿ, ಸಹಕುಲಾಧಿಪತಿ, ಕುಲಪತಿ, ವಿದ್ಯಾವಿಜಯಕ ಚಂದ್ರಪ್ಪ ಮತ್ತು ಒ.ಡಿ.ಆರ್ ಸದಸ್ಯರಾದ  
 ನಾಮ / ಪ್ರಾಂಶುಪತಿ \_\_\_\_\_ ನಿರ್ಮಲಾ ಟಿ \_\_\_\_\_ ಇವರು  
 \_\_\_\_\_ 2010 \_\_\_\_\_ ಸೀ ವರ್ಷದಲ್ಲಿ ಪರಿಷ್ಕರಣೆಯ ಪರಿಷ್ಕರಣೆ \_\_\_\_\_ ಪಿಎಚ್ .ಡಿ  
 ಪದವಿಗಾಗಿ ಅರ್ಜಿ ಸಲ್ಲಿಸಿದುದರಿಂದ ಪ್ರಮಾಣೀಕೃತವಾಗಿರುವುದರಿಂದ ದಿನಾಂಕ \_\_\_\_\_ 09ನೇ ಮಾರ್ಚ್ 2011 \_\_\_\_\_ ರಂದು ನಡೆದ  
 ಇವತ್ತಿನಿಂದ \_\_\_\_\_ ಸೀ ಫಿಲಿಪ್ಪಿನಲ್ಲಿ ಇದನ್ನು

**ಡಾಕ್ಟರ್ ಆಫ್ ಫಿಲಾಸಫಿ**  
 ( ಗಣಿತಶಾಸ್ತ್ರ )  
 ಪದವಿಗೆ ಅಂಗೀಕರಿಸಲಾಗಿದೆ.

We, the Chancellor, the Pro-Chancellor, the Vice-Chancellor, the members of the Academic Council and Syndicate of kuvempu University, certify that, On the recommendation of the Board of Examiners, Sri / Smt .....NIRMALA...T..... has been admitted to the degree of

### DOCTOR OF PHILOSOPHY (MATHEMATICS)

at the ....Twenty..First.....Convocation held on ....09<sup>th</sup> March 2011.....

ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಮೊಹೂರಿಸಾಧನೆ ನಡೆದಿದೆ.  
*Given under the seal of the University*

ಜ್ಞಾನ ಸಾಹ್ಯಾದ್ರಿ - ಶಂಕರಘಟ್ಟ  
 Jnana Sahyadri-Shankaraghatta  
 Pin Code : 577 451  
 ಕರ್ನಾಟಕ : Karnataka





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

**Certify that**

**GUFRUPADAVVA INGALAHALLI**

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

**ಡಾಕ್ಟರ್ ಆಫ್ ಫಿಲಾಸಫಿ**

(ಗಣಿತಶಾಸ್ತ್ರ)

**Doctor of Philosophy**

(Mathematics)

ಪದವಿಗೆ ಅರ್ಹರಾಗಿರುತ್ತಾರೆಂದು ಪ್ರಮಾಣೀಕೃತವಾಗಿರುವುದರಿಂದ  
*in recognition of the fulfilment of requirements*  
 ಇಪ್ಪತ್ತನಾಲ್ಕನೇ ಘಟಕೋತ್ಸವದಲ್ಲಿ ಸದರಿ ಪದವಿಗೆ ಇವರನ್ನು ಅಂಗೀಕರಿಸಲಾಗಿದೆ.  
*for the said Degree at the TWENTY FOURTH CONVOCATION*

ಅಧಿಸೂಚನೆ ದಿನಾಂಕ / Date of Notification : 02 - 12 - 2013

ಘಟಕೋತ್ಸವ ದಿನಾಂಕ / Date of Convocation : 19 - 03 - 2014

ವಿಶ್ವವಿದ್ಯಾಲಯದ ಮೊಹರಿನೊಂದಿಗೆ ನೀಡಲಾಗಿದೆ.

*Given under the seal of the University.*



Jnana Sahyadri - Shankaraghatta

ಕ್ರಮ ಸಂಖ್ಯೆ / Sl.No. : KU14921

Date of Issue : 19 - 03 - 2014

KUS

*(Signature)*  
 ಉಪನ್ಯಾಸಕರು  
 ಡ ಯ ಟಿ. ಶಿವಮೊಗ್ಗ

*(Signature)*  
 ಕುಲಪತಿ

*Vice-Chancellor*

*(Signature)*  
 ಪ್ರಿನ್ಸಿಪಾಲ್

**J N N College of Engineering  
 Shivamogga.**

KA 37110



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*

**KRISHNAMURTHY M R**

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

**Doctor of Philosophy**  
 (Mathematics)

ಪದವಿಗೆ ಅರ್ಹರಾಗಿರುತ್ತಾರೆಂದು ಪ್ರಮಾಣೀಕೃತವಾಗಿರುವುದರಿಂದ  
*in recognition of the fulfilment of requirements*  
 ಏಳನೇ ಘಟಿಕೋತ್ಸವದಲ್ಲಿ ಸದರಿ ಪದವಿಗೆ ಇವರನ್ನು ಅಂಗೀಕರಿಸಲಾಗಿದೆ.  
*for the said Degree at the TWENTY EIGHTH Convocation*

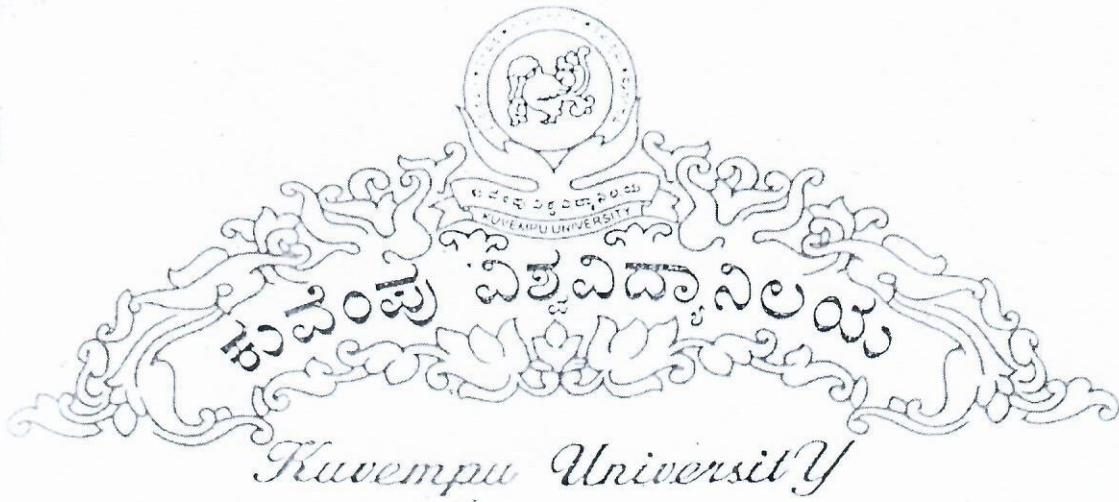
ಅಧಿಸೂಚನೆ ದಿನಾಂಕ / Date of Notification : 22/06/2017  
 ಘಟಿಕೋತ್ಸವ ದಿನಾಂಕ / Date of Convocation : 02/12/2017  
 ವಿಶ್ವವಿದ್ಯಾಲಯದ ಮೊಹರಿನೊಂದಿಗೆ ನೀಡಲಾಗಿದೆ.  
*Given under the seal of the University.*



Jnana Sahyadri, Shankaraghatta-577451  
 Shivamogga District,  
 Karnataka, India  
 Date of Issue : 02/12/2017  
 KUS



*R. Channarayana*  
 ಕುಲಪತಿ  
 Vice-Chancellor



ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಕುಲಾಧಿಪತಿಗಳು, ಕುಲಪತಿಗಳು ಮತ್ತು ಸೆನೆಟ್ ಸದಸ್ಯರಾದ ನಾವು  
 ಎಂ.ಜಿ. ಕೃಷ್ಣಮೂರ್ತಿ ಅವರು 1998ನೇ ವರ್ಷದಲ್ಲಿ ಪರೀಕ್ಷಕರಿಂದ ಪರೀಕ್ಷಿಸಲ್ಪಟ್ಟು  
 ಪಿ.ಹೆಚ್.ಡಿ. ಪದವಿಗಾಗಿ ಅರ್ಹರಾಗಿರುತ್ತಾರೆ ಎಂದು ಪ್ರಮಾಣೀಕೃತವಾಗಿರುವುದರಿಂದ  
 ದಿನಾಂಕ 13.3.1999 ರಂದು ನಡೆದ ಒಂಬತ್ತನೇ ಘಟಿಕೋತ್ಸವದಲ್ಲಿ  
 ಡಾಕ್ಟರ್ ಆಫ್ ಫಿಲಾಸಫಿ ( ಪಿ.ಹೆಚ್.ಡಿ. )  
 ( ವಾಣಿಜ್ಯ )

ಪದವಿಯನ್ನು ಪಡೆಯಲು ಅಂಗೀಕೃತವಾಗಿರುವುದು ಈ ಮೂಲಕ ಪ್ರಮಾಣೀಕರಿಸುತ್ತೇವೆ.

*We, the Chancellor, the Vice-Chancellor and the Senate Members  
 of Kuvempu University, do hereby certify that  
 on the recommendation of The Board of Examiners  
 M.G. Krishnamurthy has been admitted to the degree of*

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

(COMMERCE)

*at the Ninth Convocation held on 13.3.1999*

ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಮೂಹೂರನೊಂದಿಗೆ ನೀಡಿದೆ.

*Given under the seal of the University.*

ಜ್ಞಾನ ಸಹ್ಯಾದ್ರಿ - ಶಂಕರಘಟ್ಟ  
 ಜಿ.ಎ.ಎ. ಕೋಡ್ - 577 451  
 Jnana Sahyadri-Shankarghatta  
 Pin Code: 577 451  
 ಕರ್ನಾಟಕ -Karnataka  
 ಭಾರತ-India  
 ದಿನಾಂಕ -Date :13.3.1999



ಕುಲಪತಿ  
Vice-Chancellor

*Approved*  
*Substant*

J.N.N. College of Engineering  
 SHIMOGA - 577204

Principal  
 J N N College of Engineering  
 Shivamogga.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM  
KARNATAKA, INDIA



*This is to certify that*

*Srikant C*

*has been conferred the Degree of*

**Doctor of Philosophy**

*in*

Faculty of Management

*for the thesis entitled*

A Study of 3Ps-Promises, Performance and Potential of CRM in  
Indian Banking and Financial Services Sector (with Special  
Reference to Selected Commercial Banks)

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

PH  
13

000095

Given under the seal of the University

USN: 4JN06PBN01



BELGAUM

DATE : APRIL 05, 2013

  
VICE CHANCELLOR

  
Principal

J N N College of Engineering  
Shivamogga.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM  
KARNATAKA, INDIA



*This is to certify that*

*Lakshmeesha Kanti K S*  
*has been conferred the Degree of*  
**Doctor of Philosophy**

*in*

Faculty of Management

*for the thesis entitled*

**A Study of Financial Management Practices, Systems &  
Approaches in Areca Sector in the Malnad Region of  
Karnataka**

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

PH  
13 000865

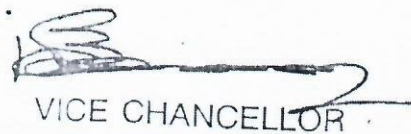
Given under the seal of the University

USN: 4JN10PBM01



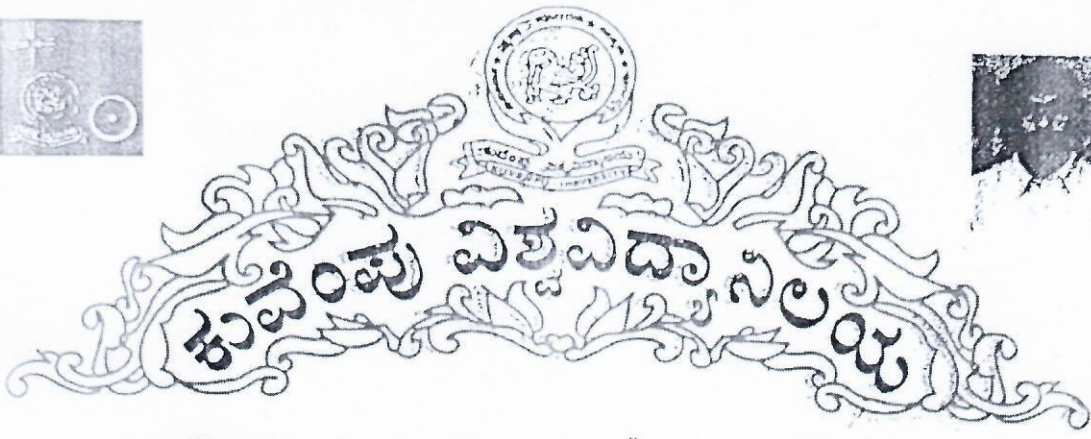
BELGAUM

DATE : January 09, 2018

  
VICE CHANCELLOR

  
Principal

J N N College of Engineering  
Shivamogga.



## Kuvempu University

ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಕುಲಾಧಿಪತಿ, ಸಹಕುಲಾಧಿಪತಿ, ಕುಲಪತಿ ವಿದ್ಯಾ ವಿಷಯಕ ಪರಿಷತ್ತು ಮತ್ತು ಸಿಂಡಿಕೇಟ್ ಸದಸ್ಯರಾದ  
ನಾವು ಶ್ರೀ / ಶ್ರೀಮತಿ ..... ಹಬೀಬ್ ಉರ್ ರಹಮಾನ್ ಕೆ ಎಸ್ ..... ಇವರು  
2008 .....ನೇ ವರ್ಷದಲ್ಲಿ ಪರೀಕ್ಷೆಕಂಡ ಪರಿಷ್ಕೃತಲ್ಪು ..... ಪಿಎಚ್.ಡಿ

ವದವಿಗಾಗಿ ಅರ್ಹರಾಗಿರುತ್ತಾರೆಂದು ಪ್ರಮಾಣೀಕೃತವಾಗಿರುವುದರಿಂದ ದಿನಾಂಕ ..... 12ನೇ ಫೆಬ್ರವರಿ 2009 .....ರಂದು ನಡೆದ  
ಹತ್ತೊಂಬತ್ತೆ .....ನೇ ಘಟನೋತ್ಸವದಲ್ಲಿ ಇವರನ್ನು

**ಡಾಕ್ಟರ್ ಆಫ್ ಫಿಲಾಸಫಿ**

( ವ್ಯವಹಾರ ನಿರ್ವಹಣಾಶಾಸ್ತ್ರ )  
ಪದವಿಗೆ ಅಂಗೀಕರಿಸಲಾಗಿದೆ.

We, the Chancellor, the Pre-Chancellor, the Vice-Chancellor, the members of  
the Academic Council and Syndicate of Kuvempu University, certify that,  
on the recommendation of the Board of Examiners,  
Sri / Smt. .... HABEEB UR RAHMAN K. S. ....  
has been admitted to the degree of

**DOCTOR OF PHILOSOPHY**  
( BUSINESS ADMINISTRATION )

at the ..... Nineteenth ..... Convocation held on ..... 12<sup>th</sup> February 2009

ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಮೊಹರಿನೊಂದಿಗೆ ನೀಡಿದೆ.  
Given under the seal of the University

ಜ್ಞಾನಸಾಧಿ - ಶಂಕರಘಟ್ಟ  
Jnana Sahyadri - Shankarghatta  
Pin Code : 577 451  
ಕರ್ನಾಟಕ : Karnataka  
ಭಾರತ : India  
ದಿನಾಂಕ : Date : 12 FEB 2009  
SL. No. : 431540



Attested  
Student  
HEAD  
Department of Management Studies  
J.N.N. College of Engineering  
SHIMOGA - 577204  
ಕುಲಪತಿ  
Vice-Chancellor

Principal

J N N College of Engineering  
Shivamogga.





ವಿಶ್ವವಿದ್ಯಾಲಯದ ಕುಲಾಧಿಪತಿ, ಸಹಕುಲಾಧಿಪತಿ, ಕುಲಪತಿ.

We, the Chancellor, the Pro-Chancellor, the Vice-Chancellor,

ವಿದ್ಯಾವಿಷಯಕ ಪರಿಷತ್ತು ಮತ್ತು ಸಿಂಡಿಕೇಟ್‌ನ ಸದಸ್ಯರಾದ ನಾವು

the members of the Academic Council and the Syndicate

Certify that

**SUGUR SRIKANT GOVIND RAO**

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

ಡಾಕ್ಟರ್ ಆಫ್ ಫಿಲಾಸಫಿ

(ವಾಣಿಜ್ಯಶಾಸ್ತ್ರ)

**Doctor of Philosophy**

(Commerce)

ಪದವಿಗೆ ಅರ್ಹರಾಗಿರುತ್ತಾರೆಂದು ಪ್ರಮಾಣೀಕೃತವಾಗಿರುವುದರಿಂದ

in recognition of the fulfilment of requirements

ಇಷ್ಟತ್ತಾರನೇ ಘಟಿಕೋತ್ಸವದಲ್ಲಿ ಸದರಿ ಪದವಿಗೆ ಇವರನ್ನು ಅಂಗೀಕರಿಸಲಾಗಿದೆ.

for the said Degree at the TWENTY SIXTH CONVOCATION

ಅಧಿಸೂಚನೆ ದಿನಾಂಕ / Date of Notification : 10 - 03 - 2016

ಘಟಿಕೋತ್ಸವ ದಿನಾಂಕ / Date of Convocation : 24 - 03 - 2016

ವಿಶ್ವವಿದ್ಯಾಲಯದ ಮೊಹರಿನೊಂದಿಗೆ ನೀಡಲಾಗಿದೆ.

Given under the seal of the University.



Jnana Sahyadri - Shankeraghatta

ಕ್ರಮ ಸಂಖ್ಯೆ / SI No. : KU199017

Date of Issue : 24 - 03 - 2016

KUS

Principal

J N N College of Engineering  
Shivamogga.

*J. Channay*

ಕುಲಪತಿ

Vice-Chancellor

  
**KUVEMPU UNIVERSITY**

Office of the Registrar(Evaluation), Jnana Sahyadri, Shankaraghatta – 577 451,  
Shivamogga Dist., Karnataka State, India.

No: KU /EB /Ph.D.,MBA:07 (103) / 1-293 /2018-19. Date: 26-07-2018.

**NOTIFICATION**

It is hereby notified that the Vice-Chancellor, under the authorization of the Syndicate and on the recommendations of the Board of Examiners, has accepted to award the following Degree to the under mentioned candidate on the basis of her thesis submitted on the topic mentioned below:

AWARD OF DOCTOR OF PHILOSOPHY (Ph.D.,)			
Candidate	Subject	Guide	Topic
Ms. Subhadra. P.S., Door No. 218, 5 <sup>th</sup> Cross, Rajendranagar, Shivamogga – 577 201.	<b>Management</b>	Dr. A.M. Kadakol, Associate Professor, Kousali Institute of Management Studies, Karnatak University, Dharwad – 580 003.	“ WORK LIFE BALANCE AMONG THE BANK EMPLOYEES: AN EMPIRICAL STUDY WITH SPECIAL REFERENCE TO SHIMOGA DISTRICT ”

It is declared that the above mentioned candidate is eligible to receive the award of Ph.D., degree in the respective subject at the ensuing Convocation or thereafter.

BY ORDER,


  
 (Prof. Raja Naika),  
**Registrar (Evaluation)**  
 REGISTRAR (EVALUATION),  
 Kuvempu University  
 Jnana Sahyadri, Shankaraghatta-577 451

**COPY TO :**

✓ The Candidate concerned and  
the Guide concerned.

**COPY COMMUNICATED TO :**

1. Dr. V. Murugaiah, Professor, Institute of Management Studies, Davangere University, Shivangangothri, Davangere – 577 002.
2. Dr. M.M. Ali, Director, Chhatrapati Shahu Institute of Business Education & Research, University Road, Kolhapur – 416 004, Maharashtra State.
3. The Chairman of All P.G. Departments of Kuvempu University.
4. The Principals of Two Constituent College of Kuvempu University.
5. The Secretary General, Association of Indian Universities, A.I.U. House, 16, Comrade Indrajit Gupta Marg, New Delhi – 110 002.
6. The Editor, "University News", A.I.U. House, 16-Kotla Marg, New Delhi.
7. The Secretary, U.G.C. Bahadur Shah-Zafar Marg, New Delhi.
8. The Director, INFLIBNET Centre, Infocity, Post Box. No.4, Gandhinagar – 382 007, Gujarath State.
9. The Registrars of all Universities in Karnataka.
10. The Editor, University News Letter (both Kannada & English), Kuvempu University, Shankaraghatta.
11. The District Information Officer, Dept. of Information & Publicity, Vartha Bhavan, Shimoga - for favour of Publication in the leading News Papers, Free of Cost (35 copies enclosed).
12. The Directors of All India Radio Stations, Bhadravathi / Bangalore - for information with a request to announce the gist in the regional News Bulletin.
13. P.S. to the Vice-Chancellor and P.A. to the Registrar(A)/ Registrar(E) of Kuvempu University.
14. The Librarian, Kuvempu University, Shankaraghatta - (1copy/copies of the respective Ph.D. thesis + 01/02 CDs - are enclosed for Library Use.)
15. Deputy Registrar, Academic Section, Kuvempu University, Shankaraghatta.
16. Guard File.  
sdp\*

  
**Principal**  
 J N N College of Engineering  
 Shivamogga.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM  
KARNATAKA, INDIA



*This is to certify that*

**VIKRAMA D K**

*has been conferred the Degree of*

**Doctor of Philosophy**

*in*

*Faculty of Management*

*for the thesis entitled*

*A Study On The Problems And Prospects of Rural Tourism In  
Karnataka State*

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

PH 001421

USN: 4JN10PBN01


Given under the seal of the University



BELGAUM

DATE : March 18, 2019

  
VICE CHANCELLOR

  
Principal  
College of Engineering  
Shivamogga.

ತುಮಕೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯ

A11-C-P-0004



Tumkur University

ತುಮಕೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಕುಲಾಧಿಪತಿಗಳು, ನಹ ಕುಲಾಧಿಪತಿಗಳು, ಕುಲಪತಿಗಳು, ಸಿಂಡಿಕೇಟ್ ಮತ್ತು  
ವಿದ್ಯಾವಿಷಯಕ ಪರಿಷತ್ತಿನ ಸದಸ್ಯರುಗಳಾದ ನಾವು,

ಶ್ರೀನಿವಾಸ ಮೂರ್ತಿ ಬಿ ವಿ

ಇವರು

ನಿರ್ವಹಣಾಶಾಸ್ತ್ರ

ವಿಷಯದಲ್ಲಿ

ಡಾಕ್ಟರ್ ಆಫ್ ಫಿಲಾಸಫಿ



ಪದವಿಗೆ, ಜುಲೈ 2017 ರಲ್ಲಿ ನಿರ್ದಿಷ್ಟ ಅರ್ಹತೆಯನ್ನು ಪಡೆದಿರುವರೆಂದು ಪ್ರಮಾಣೀಕೃತವಾಗಿರುವುದರಿಂದ  
2018, ಜನವರಿ ತಿಂಗಳ 20ನೆಯ ದಿನದಂದು ನಡೆದ 11 ನೆಯ ಘಟಕೋತ್ಸವದಲ್ಲಿ  
ವಾಣಿಜ್ಯ ಮತ್ತು ನಿರ್ವಹಣಾ ನಿಕಾಯದ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಪದವಿ ಪಡೆಯಲು ಅಂಗೀಕೃತರಾಗಿರುವರೆಂದು ಈ ಮೂಲಕ ದೃಢೀಕರಿಸುತ್ತೇವೆ.

We, the Chancellor, the Pro Chancellor, the Vice Chancellor and members of the Syndicate and  
the Academic Council of Tumkur University do hereby make known that

**SRINIVASA MURTHY B V**

has been admitted to the Degree of

**DOCTOR OF PHILOSOPHY**

in

**MANAGEMENT**


At the 11<sup>th</sup> Convocation held on the 20<sup>th</sup> day of January 2018 on being duly certified to have  
qualified for the same in the month of July 2017 for the thesis

**EFFECTIVENESS OF INTEGRATED MARKETING COMMUNICATION  
APPROACHES IN TOURISM INDUSTRY – A STUDY OF MALNAD REGION IN  
KARNATAKA**


in the Faculty of Commerce & Management

ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಲಾಂಛನದೊಂದಿಗೆ ನೀಡಿದೆ

Given Under the Seal of the University

  
ಕುಲಸಚಿವರು (ಮೌಲ್ಯಮಾಪನ)  
Registrar (Evaluation)



  
ಕುಲಪತಿ  
Vice Chancellor

ತುಮಕೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯ, ಕರ್ನಾಟಕ (ಭಾರತ)  
Tumkur University, Karnataka (India)-572103

322

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM  
KARNATAKA, INDIA



*This is to certify that*

**Vikram V**

*has been conferred the Degree of*

**Doctor of Philosophy**

*in*

Faculty of Management

*for the thesis entitled*

**A Study on Supply Chain Management Practices of Selected  
Newspaper Companies in Karnataka State**

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

PH 000857

Given under the seal of the University

USN: 4JN11PBM01



BELGAUM

DATE : January 09, 2018

VICE CHANCELLOR

Principal

J N N College of Engineering  
Shivamogga.

Scanned by CamScanner

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM  
KARNATAKA, INDIA



*This is to certify that*

*Ravisha N S*

*has been conferred the Degree of*

**Doctor of Philosophy**

*in*

*Sularb*

HEAD

Department of Management Studies  
Faculty of Management N. College of Engineering  
SHIMOGA - 577204

*for the thesis entitled*

An Evaluation of Post Recessionary Performance of Selected  
Public Sector Banks- A Study with Special Reference to  
Malnad Region of Karnataka

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

Given under the seal of the University

PH 000597

USN: 5VX11PBN07



*V. Gil*

VICE CHANCELLOR

BELGAUM  
DATE MAY 27, 2016

*[Signature]*

Principal

J N N College of Engineering  
Shivamogga.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM  
KARNATAKA, INDIA



*This is to certify that*

*Santhosha*

*has been conferred the Degree of*

**Doctor of Philosophy**

*in*

Faculty of Management

*for the thesis entitled*

Marketing of Health Insurance in Rural Areas: A Study With  
Reference to Dakshina Kannada and  
Udupi Districts of Karnataka

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

PH  
13 000592

Given under the seal of the University

USN: 4JN09PBM01



BELGAUM  
DATE

MAY 27, 2016

*V. G. S.*  
VICE CHANCELLOR

*P*  
Principal

J N N College of Engineering,  
Shivamogga.



# भारतीय प्रौद्योगिकी संस्थान मुंबई

प्रबुदेवा एस.

को एतद्द्वारा

विद्या वाचस्पति

की उपाधि प्रदान करता है।

अभिपद की अनुशंसा पर संस्थान की मुद्रांकित यह उपाधि, अवाप्ति हेतु विनियमों में विहित अपेक्षाओं को पूर्ण कर लेने पर तथा अपने शोध-प्रबंध के सफल पक्षपोषण के उपरांत, मुंबई, भारतीय गणराज्य में आज 5 अगस्त, 2011 को दी गई है।

## Indian Institute of Technology Bombay

upon recommendation of the Senate hereby confers the degree of

Doctor of Philosophy

on

Prabhudeva S.

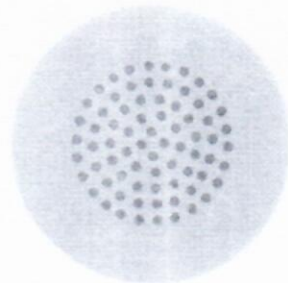
who has fulfilled the requirements for the degree as prescribed under the regulations and successfully defended the thesis entitled:

“Reliability Modeling of Computer-Based Systems with Imprecise Information”.

Given this day, under the seal of the Institute at Mumbai in the Republic of India, the 5th day of August 2011.

Principal

J N N College of Engineering  
Shivamogga.

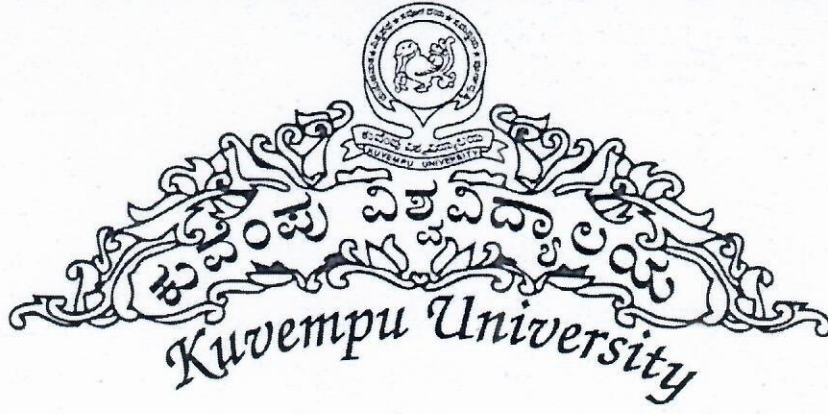


अध्यक्ष, अभिपद  
Chairman, Senate

कुलसचिव  
Registrar

अध्यक्ष, गौरी मंडल  
Chairman, Board of Governors





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**

**RAGHAVENDRA S P**

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

**Doctor of Philosophy**  
**(Computer Science)**

ಪದವಿಗೆ ಅರ್ಹರಾಗಿರುತ್ತಾರೆಂದು ಪ್ರಮಾಣೀಕೃತವಾಗಿರುವುದರಿಂದ  
*in recognition of the fulfilment of requirements*  
 ಏಳನೇ ಘಟಕೋತ್ಸವದಲ್ಲಿ ಸದರಿ ಪದವಿಗೆ ಇವರನ್ನು ಅಂಗೀಕರಿಸಲಾಗಿದೆ.  
*for the said Degree at the TWENTY NINETH Convocation*

ಅಧಿಸೂಚನೆ ದಿನಾಂಕ / Date of Notification : 07/02/2019

ಘಟಕೋತ್ಸವ ದಿನಾಂಕ / Date of Convocation : 15th February 2019

ವಿಶ್ವವಿದ್ಯಾಲಯದ ಮೊಹರಿನೊಂದಿಗೆ ನೀಡಲಾಗಿದೆ.

*Given under the seal of the University.*



Jnana Sahyadri, Shankaraghatta-577451  
 Shivamogga District,  
 Karnataka, India  
 Date of Issue : 15/02/2019  
 KUS



*R. Chawla*  
 ಕುಲಪತಿ  
 Vice-Chancellor



MIE CH

*The Council on the recommendation of the Senate of the Institute*

*has hereby conferred on*

D. S. RAMAKRISHNA

*the degree of*

**Doctor of Philosophy**

*in recognition of the research work on*

*Stress Field Distortion Due to Voids and*

*Inclusions in Contact Problems*

*Richard M. Mindlin*  
Secretary

16 DECEMBER 1995

*Raja Ramesh*  
Chairman of the Council

  
Principal

J N N College of Engineering  
Shivamogga.





# Indian Institute of Technology, Bombay

Upon recommendation of the Senate hereby confers the degree of

## Doctor of Philosophy

on **Sreepathi L. K.**

who has fulfilled the requirements for the degree as prescribed under the regulations and successfully defended in October 1994, the thesis entitled :

“Heat Transfer During Film Condensation of R-123 Vapour on Horizontal Integral-Fin Tubes”.

Given this day, under the seal of the Institute at Bombay in the Republic of India, the 7th day of July, 1995.

*Subhas P. Bhatnagar*  
Chairman, Senate

*Arjun*  
Registrar

*R. Chidambaram*  
Chairman, Board of Governors

Registration No.



060412MT06P01



National Institute of Technology Karnataka, Surathkal  
hereby confers the degree of

**Doctor of Philosophy**



on

Raghavendra H

in recognition of the research work on

"Development Of Austempered Ductile Iron As A Grinding Media Material In The Ball Mill: Microstructural Aspects And Influence Of Surface Coating"

carried out in the Department of  
**Metallurgical And Materials Engineering**  
and completed all the requirements

in June 2014

Given under the seal of the Institute,

on 15<sup>th</sup> November 2014

*Ramesh*

Registrar

*P. Mahalingam*

Director

*Vanitha Narayanan*

Chairperson, Board of Governors

Sl. No. PH14037

*[Signature]*

Principal

J N N College of Engineering  
Shivamogga.

# 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  
ಇವರು ಸಿದ್ಧಿಪಟ್ಟು ಸದಸ್ಯರಾದ ಇವರು

### BASAVARAJE

*has been awarded the Degree of*  
ಅವರು ಸಿದ್ಧಿಪಟ್ಟು ಪರೀಕ್ಷೆಯಲ್ಲಿ ಉತ್ತೀರ್ಣರಾಗಿರುವುದರಿಂದ

### DOCTOR OF PHILOSOPHY

in

### POLYMER SCIENCE

### ಡಾಕ್ಟರ್ ಆಫ್ ಫಿಲಾಸಫಿ

*on being duly certified to have passed the prescribed examination*  
ಪದವಿಯನ್ನು ಪಡೆದಿರುವುದನ್ನು ದೃಢೀಕರಿಸುವುದು ಉದ್ದೇಶಿಸಿ

*Given under the seal of the University*  
ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಮುಹೂರುತಿಯಡಿ ನೀಡಲಾಗಿದೆ



Date of Convocation 05/07/2013

ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಕಾರ್ಯದರ್ಶಿ

Mysore/40/2013

ಸಂಖ್ಯೆ: 40/2013/ಸಂಖ್ಯೆ No. 842

*(Signature)*  
Vice-Chancellor  
ಕುಲಪತಿ

*(Signature)*  
Principal

J. N. College of Engineering  
Shivamogga.

National Institute of Technology Karnataka, Surathkal  
MANGALORE - 575 025, KARNATAKA STATE, INDIA.



## Provisional Degree Certificate

for the degree of

### Doctor of Philosophy

Certified that **Mr. Rajath Hegde** (Reg. No. 060413MT06F04) in the Department of **Metallurgical And Materials Engineering** has successfully completed all prescribed requirements for the degree of **Doctor Of Philosophy (Ph.D.)** of the Institute.

The date of viva voce examination was **28<sup>th</sup> April, 2014**.

The title of the thesis submitted is "**Synthesis And Characterization Of Mechanically Alloyed Nanostructured Al-Fe**".

This certificate is issued this day, the **May 06, 2014** with the approval of the authorities.

**DEAN (Academic)**

Dean (Academic)  
National Institute of Technology  
Karnataka, Surathkal  
Post Srinivasnagar, Mangalore-575025

Principal

J N N College of Engineering  
Shivamogga.



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

**Certify that**

**BASAPPAJI K M**

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

**ಡಾಕ್ಟರ್ ಆಫ್ ಫಿಲಾಸಫಿ**

(ಇಂಡಸ್ಟ್ರಿಯಲ್ ಅಂಡ್ ಪ್ರೊಡಕ್ಷನ್ ಇಂಜಿನಿಯರಿಂಗ್)

**Doctor of Philosophy**

(Industrial and Production Engineering)

ಪದವಿಗೆ ಅರ್ಹರಾಗಿರುತ್ತಾರೆಂದು ಪ್ರಮಾಣೀಕೃತವಾಗಿರುವುದರಿಂದ  
*in recognition of the fulfilment of requirements*  
 ಇಪ್ಪತ್ತೈದನೇ ಘಟಿಕೋತ್ಸವದಲ್ಲಿ ಸದರಿ ಪದವಿಗೆ ಇವರನ್ನು ಅಂಗೀಕರಿಸಲಾಗಿದೆ.  
*for the said Degree at the TWENTY FIFTH CONVOCATION*

ಅಧಿಸೂಚನೆ ದಿನಾಂಕ / Date of Notification : 18 - 05 - 2015

ಘಟಿಕೋತ್ಸವ ದಿನಾಂಕ / Date of Convocation : 18 - 06 - 2015

ವಿಶ್ವವಿದ್ಯಾಲಯದ ಮೊಹರಿನೊಂದಿಗೆ ನೀಡಲಾಗಿದೆ.

*Given under the seal of the University.*



Jnana Sahyadri - Shankaraghatta

ಕ್ರಮ ಸಂಖ್ಯೆ / SI No. : KU17875

Date of Issue : 18-06-2015

KUS



*K. Chellur*

ಕುಲಪತಿ

*Vice-Chancellor*

*Principal*

J N N College of Engineering  
 Shivamogga.



VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM  
KARNATAKA, INDIA



*This is to certify that*

*Amith Kumar S J*

*has been conferred the Degree of*

**Doctor of Philosophy**

*in*

Faculty of Mechanical Engineering Sciences

*for the thesis entitled*

**Investigations on Resin Impregnated Paper Based Sandwich  
Composite Filled With Low-Water Absorption Foam for  
Marine Applications**

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

PH 000952  
13

Given under the seal of the University

USN: 4JN10PMM01



*Principal*  
J N N College of Engineering  
Shivamogga.

BELGAUM

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI  
KARNATAKA, INDIA



*This is to certify that*

**MANJUNATHA CHARY G H**

*has been conferred the Degree of*

**Doctor of Philosophy**

*in*

*Faculty of Mechanical Engineering Sciences*

*for the thesis entitled*

*Development and Characterization of Coconut Shell Particle  
Reinforced Polymer Composite for Low Power at Low Speed  
Transmission System*

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

PH 19 000567 Given under the seal of the University

USN: 4JN12PMN01



BELAGAVI

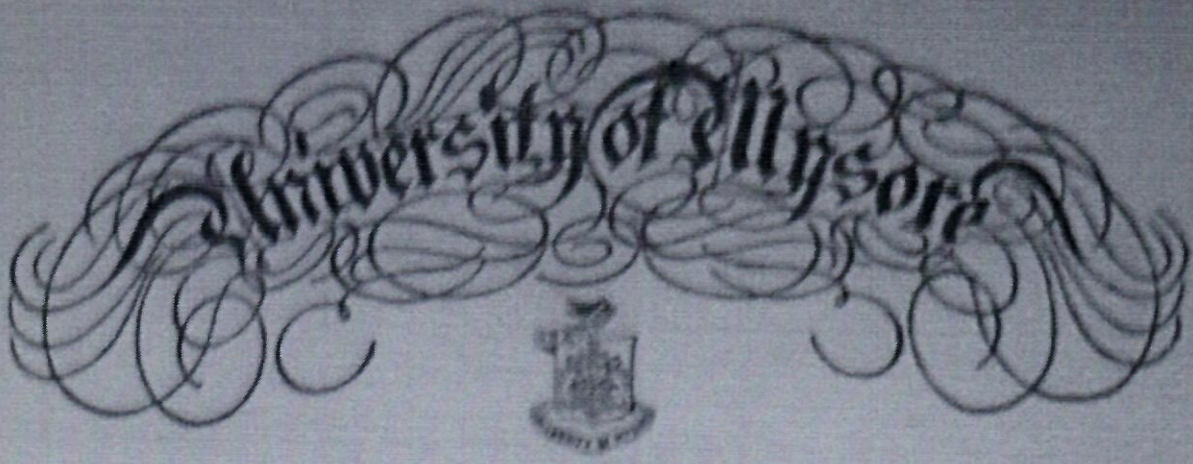
DATE : Feb 08, 2020

VICE CHANCELLOR

01/08/2023 10:21

Principal

J N N College of Engineering  
Shivamogga.



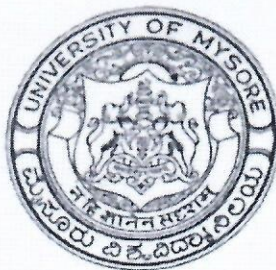
We the Chancellor the Vice-Chancellor and the Senate of the University of Mysore do hereby certify that

Anandaram, B.N.

has been admitted to the Degree of DOCTOR OF PHILOSOPHY (Physics)

he having been duly certified to have passed the prescribed examination held in the year 1999.

Given under the seal of the University.



*[Signature]*  
Vice-Chancellor

Mysore 29th March 2000  
Place and Date of Convocation

Date of issue.....Written by *[Signature]*.....Verified by *[Signature]*.....Scrutinised by *[Signature]*.....

*[Signature]*  
Principal  
J. N. N. College of Engineering  
Shivamogga.

ಮಂಗಳೂರು  
MANGALORE



ವಿಶ್ವವಿದ್ಯಾನಿಲಯ  
UNIVERSITY

ಮಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಕುಲಾಧಿಪತಿಗಳು, ಸಹಕುಲಾಧಿಪತಿಗಳು, ಕುಲಪತಿಗಳು,  
ಸಿಂಡಿಕೇಟ್ ಮತ್ತು ವಿದ್ಯಾವಿಷಯಕ ಪರಿಷತ್ತಿನ ಸದಸ್ಯರುಗಳಾದ ನಾವು

**ರಾಜ್ ಪ್ರಕಾಶ್ ಎಚ್.ಜಿ.**

ಅವರು ೨೦೦೯ನೆಯ ವರ್ಷದ ಸೆಪ್ಟೆಂಬರ್ ತಿಂಗಳಿನಲ್ಲಿ

**ಡಾಕ್ಟರ್ ಆಫ್ ಫಿಲಾಸಫಿ**

ಪದವಿಗೆ ನಿರ್ದಿಷ್ಟ ಅರ್ಹತೆಯನ್ನು ಪಡೆದಿರುವರೆಂದು ಪ್ರಮಾಣೀಕೃತವಾಗಿರುವುದರಿಂದ

೨೦೧೦ ರ ಎಪ್ರಿಲ್ ತಿಂಗಳ ಆರನೇ ದಿನದಂದು ನಡೆದ ೨೮ನೆಯ ಘಟಿಕೋತ್ಸವದಲ್ಲಿ

ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ನಿಕಾಯದ ಭೌತಶಾಸ್ತ್ರ

ಅಧ್ಯಯನ ಮಂಡಳಿಯ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಅಂಗೀಕೃತರಾಗಿರುವರೆಂದು ಈ ಮೂಲಕ ದೃಢೀಕರಿಸುತ್ತೇವೆ.

*We, the chancellor, the Pro-Chancellor, the Vice-Chancellor  
and the members of the Syndicate and Academic Council of Mangalore University  
do hereby make known that*

**RAJ PRAKASH H.G.**

*has been admitted to the Degree of*

**DOCTOR OF PHILOSOPHY**

*at the 28<sup>th</sup> Convocation held on the 06th day of April 2010 on being duly certified to have  
qualified for the same in the month of September 2009*

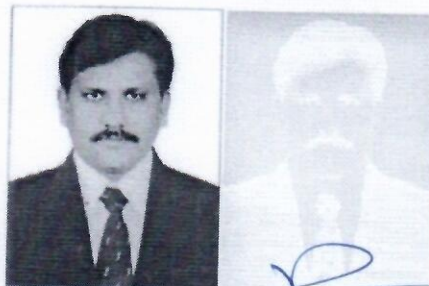
*for the thesis / ಮಹಾಪ್ರಬಂಧದ ಶೀರ್ಷಿಕೆ:*

**"STUDIES ON THE PHOTOFISSION OF SOME ACTINIDE NUCLEI"**

*in the faculty of Science and Technology under the Board of Studies in Physics*

ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಲಾಂಛನದೊಂದಿಗೆ ನೀಡಿದೆ.

*Given Under the Seal of the University*



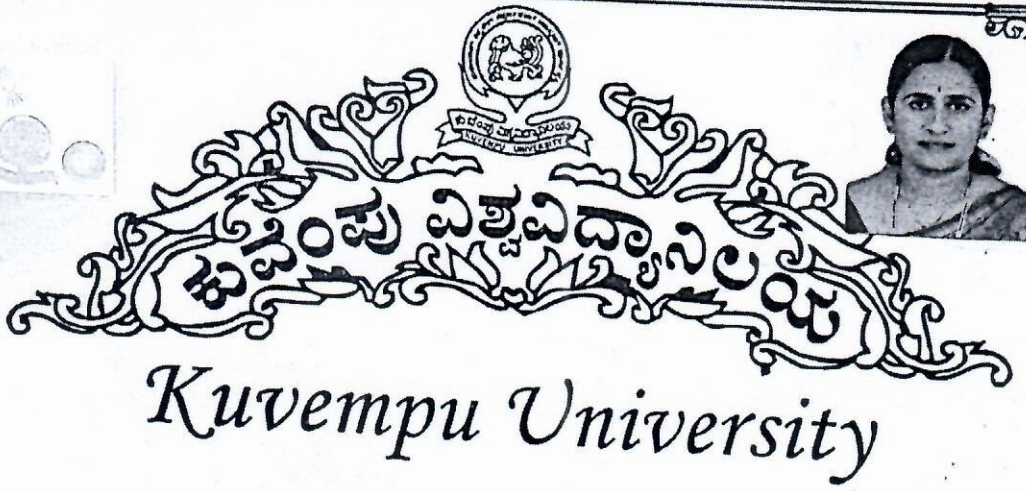
Principal

J N N College of Engineering  
Shivamogga.



Vice-Chancellor

ಕುಲಪತಿ  
VICE-CHANCELLOR



ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಕುಲಾಧಿಪತಿ, ಸಹಕುಲಾಧಿಪತಿ, ಕುಲಪತಿ, ವಿದ್ಯಾವಿಷಯಕ ಪರಿಷತ್ತು ಮತ್ತು ಸಿಂಡಿಕೇಟ್ ಸದಸ್ಯರಾದ  
 ನಾವು ಶ್ರೀ / ಶ್ರೀಮತಿ ..... ಉಷಾದೇವಿ ಎಂ ಬಿ ..... ಇವರು  
 2010 .....ನೇ ವರ್ಷದಲ್ಲಿ ಪರೀಕ್ಷಕರಿಂದ ಪರೀಕ್ಷಿಸಲ್ಪಟ್ಟು ..... ಪಿಎಚ್ .ಡಿ  
 ಪದವಿಗಾಗಿ ಅರ್ಹರಾಗಿರುತ್ತಾರೆಯೆಂದು ಪ್ರಮಾಣೀಕೃತವಾಗಿರುವುದರಿಂದ ದಿನಾಂಕ..... 09ನೇ ಮಾರ್ಚ್ 2011.....ರಂದು ನಡೆದ  
 ಇಪ್ಪತ್ತೊಂದೆ ..... ನೇ ಘಟಕೋತ್ಸವದಲ್ಲಿ ಇವರನ್ನು

**ಡಾಕ್ಟರ್ ಆಫ್ ಫಿಲಾಸಫಿ**

( ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ )

ಪದವಿಗೆ ಅಂಗೀಕರಿಸಲಾಗಿದೆ.

We, the Chancellor, the Pro-Chancellor, the Vice-Chancellor, the members of  
 the Academic Council and Syndicate of kuvempu University, certify that,  
 On the recommendation of the Board of Examiners,  
 Sri / Smt ..... **USHADEVI. M.B.** .....  
 has been admitted to the degree of

**DOCTOR OF PHILOSOPHY**

(ELECTRONICS)

at the ....Twenty..First.....Convocation held on ...09<sup>th</sup> March 2011.....

ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಮೊಹರಿನೊಂದಿಗೆ ನೀಡಿದೆ.

*Given under the seal of the University*

ಜ್ಞಾನ ಸಹ್ಯಾದ್ರಿ - ಶಂಕರಘಟ್ಟ  
 Jnana Sahyadri-Shankaraghatta  
 Pin Code : 577 451  
 ಕರ್ನಾಟಕ : Karnataka

ಭಾರತ - India

ದಿನಾಂಕ - Date

9 MAR 2011

SL. No. 032013



*(Signature)*

ಕುಲಪತಿ

Vice-Chancellor

Principal

J N N College of Engineering  
 Shivamogga.

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