

प्रज्ञानं ब्रह्म



Manipal Academy of Higher Education
Deemed University

This is to certify that

DR. THIRUMALESHWARA BHAT

*has been admitted to the
Degree of*

Doctor of Philosophy (Ph.D.)

in recognition of his/her research work entitled

**ANALYTICAL AND NUMERICAL ESTIMATION OF
WEAR RATES OF POLYMER FIBER COMPOSITES AND
EXPERIMENTAL CORROBORATION**

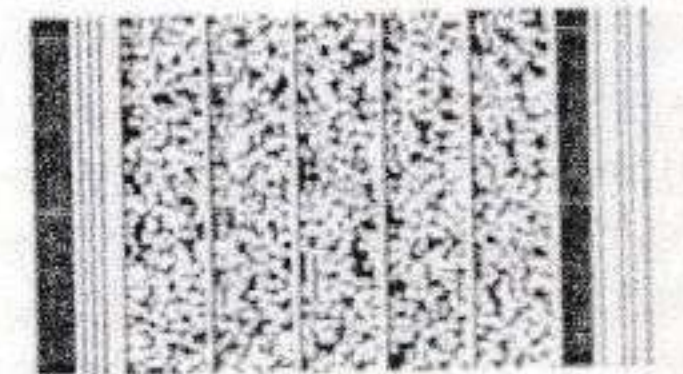
and he/she having fulfilled the prescribed requirements

on 29/03/2006




Vice-Chancellor

ATTESTED




Principal

N^o 007310

GIVEN UNDER THE SEAL OF MANIPAL ACADEMY OF HIGHER EDUCATION, MANIPAL, INDIA
ON THIS DATE: January 02, 2007

Reg. No: 010900001

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi District
BANTAKAL - 574 115

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM
KARNATAKA, INDIA



This is to certify that

SUDARSHAN RAO K

has been conferred the Degree of

Doctor of Philosophy

in

Faculty of Mechanical Engineering Sciences

for the thesis entitled

A Study on Tribological Behaviour of Composite Materials

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

PH₁₃ 001744

Given under the seal of the University

USN: 4NI07PMN01



BELGAUM
DATE : May 27, 2016

V. S. J.
VICE CHANCELLOR
Principal
SHRI MADHVA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.

ATTESTED

Registration No.



03221031A



National Institute of Technology Karnataka, Surathkal

hereby confers the degree of

Doctor of Philosophy

on

Udaya Prasanna H

in recognition of the research work on

*"Studies On Indentation Creep Behaviour: Aged Weldments Of 316L Type Stainless Steel
And Cast Tin-Lead Alloys"*

carried out in the Department of

Metallurgical And Materials Engineering

and completed all the requirements

in April 2010

Given under the seal of the Institute,

on 5th May 2010



H. G. ...
Registrar

Sl. No. PH09050

Hardy
Director

E. Meent
Chairman, Board of Governors

ATTESTED

M. ...
Principal

SHRI MADHWA VADIRA JA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574 115

Registration No.



135054ME13F03



National Institute of Technology Karnataka, Surathkal

hereby confers the degree of

Doctor of Philosophy

on

Gajanan Anne



in recognition of the research work on

"DEVELOPMENT AND CHARACTERISTICS OF ULTRAFINE GRAINED Mg-Zn/Al
MULTILAYER COMPOSITES BY ACCUMULATIVE ROLL BONDING PROCESS"

carried out in the Department of

Mechanical Engineering

and completed all the requirements

in November 2017

Given under the seal of the Institute,

on 10th November 2018

Registrar

Director

Chairperson, Board of Governors

ATTESTED

Sl. No. PH18066

Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574 115

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
KARNATAKA, INDIA



This is to certify that

RAJA YATEESH YADAV

has been conferred the Degree of

Doctor of Philosophy

in

Faculty of Mechanical Engineering Sciences

for the thesis entitled

*Experimental and Numerical Investigation on Metal Foam in
Air Cooling Heat Exchangers*

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

PH
19 000544

Given under the seal of the University

USN: 1GG13PMN01



BELAGAVI

DATE : Feb 08, 2020

VICE CHANCELLOR

ATTEST

Principal
SHRI MADHWA YADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udipi Dist.
BANTAKAL - 574 119

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
KARNATAKA, INDIA



This is to certify that

MADHUKARA

has been conferred the Degree of

Doctor of Philosophy

in

FACULTY OF MECHANICAL ENGINEERING SCIENCES

for the thesis entitled

**AN ANALYSIS OF ENTREPRENEURIAL INTENTION AND BEHAVIOUR
AMONGST ENGINEERING STUDENTS IN COASTAL KARNATAKA**

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

PH
19 001473

Given under the seal of the University

USN: 4NM17PMA02

BELAGAVI

DATE : MARCH 10, 2022



TESTED

[Signature]
Principal

[Signature]
VICE CHANCELLOR

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574 115

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
KARNATAKA, INDIA



This is to certify that

MANJUNATHA S

has been conferred the Degree of

Doctor of Philosophy

in

FACULTY OF MECHANICAL ENGINEERING SCIENCES

for the thesis entitled

DEVELOPMENT OF A DUAL SWIRL CHAMBER FOR AN IDI ENGINE AND
INVESTIGATIONS ON ITS EFFECT ON ENGINE PERFORMANCE USING A
BIODIESEL BLEND

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

PH
23 00723

Given under the seal of the University

USN: 4SN16PMJ02



BELAGAVI

DATE : FEBRUARY 24, 2023

VICE CHANCELLOR

ATTESTED

Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574 115



MANIPAL

ACADEMY of HIGHER EDUCATION

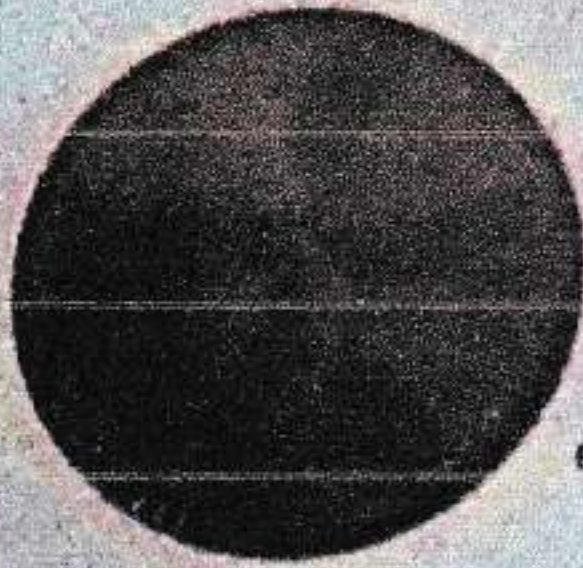
(Deemed to be University under Section 3 of the UGC Act, 1956)

This is to certify that
Dr. BHARATH K BHAT

has been conferred the degree of
Doctor of Philosophy
Ph.D.

in recognition of his/her research work entitled
**NUMERICAL INVESTIGATION OF ANTERIOR CRUCIATE LIGAMENT (ACL)
RECONSTRUCTION IN HUMAN KNEE JOINT**

having fulfilled the prescribed requirements on 16-June-2021



Vice-Chancellor

Given under the seal of Manipal Academy of Higher Education, Manipal - India | On this date : November 02, 2021



Roll No. : 10000105
Sl. No. : MANHE012470

ATTESTED

Principal
SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udipi Dist.
BANTAKAL - 574 115

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
KARNATAKA, INDIA



This is to certify that

PAVANA KUMARA

has been conferred the Degree of

Doctor of Philosophy

in

FACULTY OF MECHANICAL ENGINEERING SCIENCES

for the thesis entitled

INVESTIGATION ON THE EFFECT ON BURNISHING FERROUS AND
NON-FERROUS MATERIALS ON THEIR SURFACE CHARACTERISTICS

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

PH
19 000879

Given under the seal of the University

USN: 3PD12PMN05

BELAGAVI

DATE :

APRIL 03, 2021

ATTESTED

Principal

SHRI MADHWA VADIRAJA

INSTITUTE OF TECHNOLOGY & MANAGEMENT

Vishwothama Nagar, Udupi Dist.

BANTAKAL - 574 115

VICE CHANCELLOR



REVA
UNIVERSITY

Bengaluru, India



*We, the Visitor, the Pro-Visitor, the Chancellor, the Vice-Chancellor,
the Members of Board of Governors and the Academic Council of
the University hereby certify that*

GANESH KALAGI

has been duly admitted to the Degree of

Doctor of Philosophy
(Mechanical Engineering)

in recognition of the fulfillment of the requirement

for the said degree in the year 2020.

Register No. : R15PME03

Given under the seal of the University



Date: 10-10-2020

Place: Bengaluru

ATTESTED

(Signature)
Vice-Chancellor

(Signature)
Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udipi Dist.



DANTAKAL - 574 115



MANIPAL

ACADEMY of HIGHER EDUCATION

(Deemed to be University under Section 3 of the U.G.C. Act, 1956)



No.: 232257

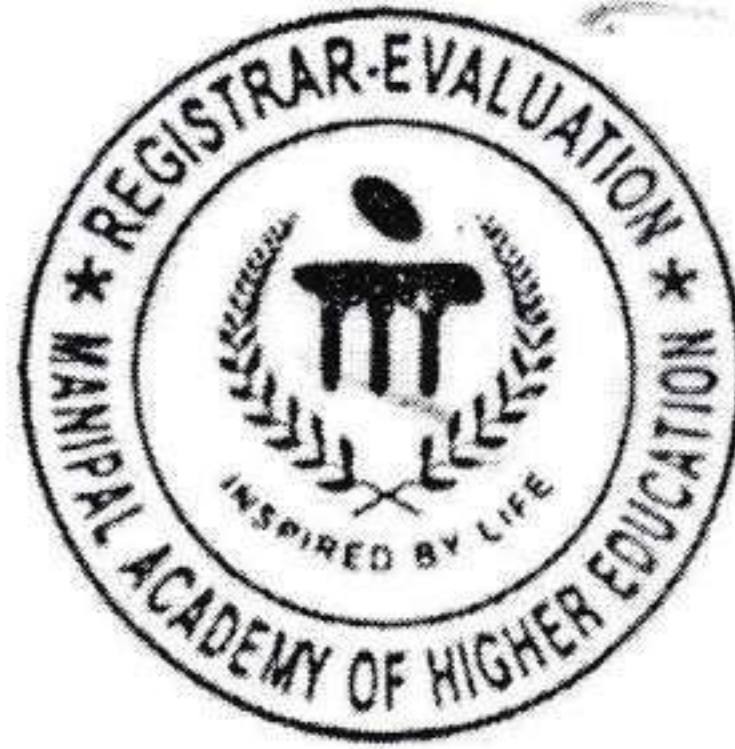
OFFICE OF THE REGISTRAR - EVALUATION

manipal.edu, Madhav Nagar, Manipal - 576 104, Karnataka, India

PROVISIONAL DEGREE CERTIFICATE

Date: 06.04.2019

Certified that Dr. ANANDA HEGDE (Reg. No.150900106)
has submitted the thesis entitled, "MACHINABILITY AND RELATED STUDIES ON
MANGANESE DISSOLVED AUSTEMPERED DUCTILE IRON" for the award of
degree of Doctor of Philosophy (Ph.D.) of Manipal Academy of Higher Education. The
thesis has been approved by the university after completion of all the requirements as
per the university guidelines and successful viva-voce examination held on 04.04.2019.



REGISTRAR - EVALUATION

ATTESTED

Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT

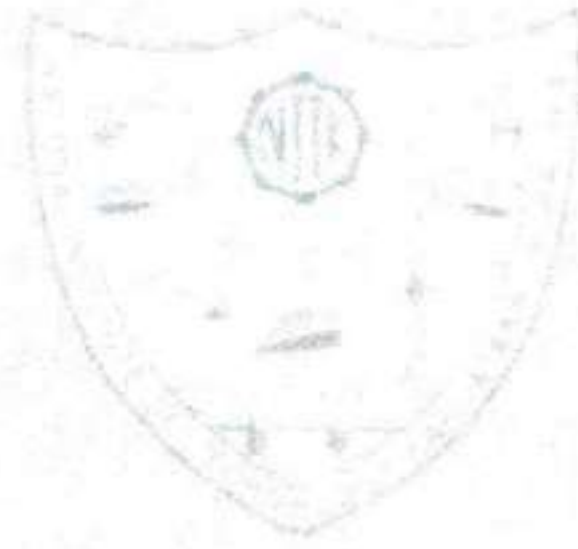
Vishwothama Nagar, Udupi Dist.

BANTICAL - 574 115

Registration No.



082016MA08P03



National Institute of Technology Karnataka, Surathkal

hereby confers the degree of

Doctor of Philosophy



on

Lolita Priya Castelino

in recognition of the research work on

"A Study Of Harmonious And Complete Colorings Of Digraphs"

carried out in the Department of
Mathematical And Computational Sciences

and completed all the requirements

in January 2013

Given under the seal of the Institute,

on 16th November 2013

Ramesh

Registrar

V. Mahalingam

Director

S. Srinivas

Chairman, Board of Governors

ATTESTE

Sl. No. PH13042

Prasanna

Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574 115



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

PH
19 1354

Provisional Degree Certificate

This is to certify that Mr./Ms. **RENITA SHARON MONIS**

is qualified for the award of the degree of

DOCTOR OF PHILOSOPHY IN FACULTY OF APPLIED SCIENCES (MATHEMATICS)

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

ESTIMATION OF UNSTEADY STABILITY DERIVATIVES FOR DELTA WINGS IN HIGH SPEED FLOW

with University Seat No. **4MT17PGA02**

DATE OF FINAL VIVA VOCE : 04-Mar-23

(Subjected to the approval of Academic Senate and Executive Council of VTU)

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

Belagavi

Date : 30.03.2023



Do
Registrar (Evaluation)

ATTESTED

Prasanna

Principal

SHRI MADHWA VADIRAJA

INSTITUTE OF TECHNOLOGY & MANAGEMENT

Vishwathama Nagar, Udipi Dist.

KARNATAKA - 574 115

Registration No.



03221076A



National Institute of Technology Karnataka, Surathkal

hereby confers the degree of

Doctor of Philosophy



on

Ganesh

in recognition of the research work on

"Algebraic Structure Based On Mixed Radix System And Chinese Remainder Theorem For The Generation Of Key Sequences And Their Application In Stream Cipher System"

carried out in the Department of

Electronics And Communication Engineering

and completed all the requirements

in February 2011

Given under the seal of the Institute,

on 25th September 2011

ATTESTED

H. G. G. G.
Registrar

Director

S. S. S.
Chairman, Board of Governors

Sl. No. PH10023

M. S. S.

Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothame Nagar, Udupi Dist.
BANTAKAL - 574 115



REVA
UNIVERSITY
 Bengaluru, India



*We, the Visitor, the Pro-Visitor, the Chancellor, the Vice-Chancellor,
 the Members of Board of Governors and the Academic Council of
 the University hereby certify that*

SACHIN BHAT

has been duly admitted to the Degree of

Doctor of Philosophy
 (Electronics and Communication Engineering)

*in recognition of the fulfillment of the requirement
 for the said degree in the year 2020.*

Register No. : R16PEC05

Given under the seal of the University



Date: 10-10-2020
 Place: Bengaluru

D. Manoj
 Vice-Chancellor

ATTESTED

Prasanna

Principal
 SHRI MADHWA VADIRAJA
 INSTITUTE OF TECHNOLOGY & MANAGEMENT
 Vishwathams Nagar, Udipi Diet
 BANTAKAL - 574 115





MANIPAL

ACADEMY of HIGHER EDUCATION

(Institution of Eminence Deemed to be University)

This is to certify that

Dr. GURUPRASAD

has been conferred the degree of

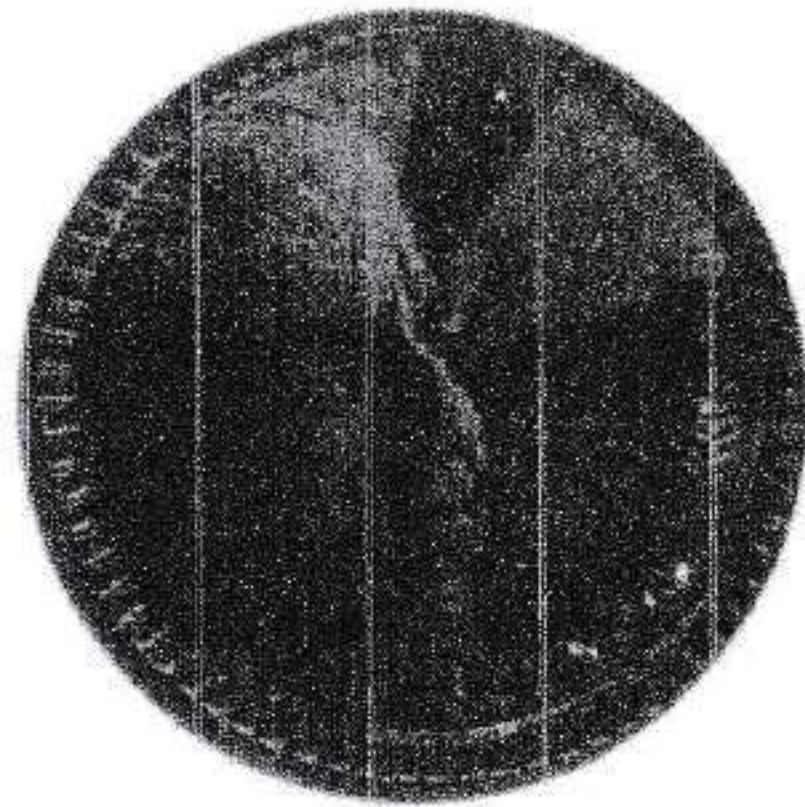
Doctor of Philosophy

Ph.D.

in recognition of his/her research work entitled

INVESTIGATION ON PERFORMANCE IMPROVEMENT OF A LDO VOLTAGE REGULATOR

having fulfilled the prescribed requirements on 05-November-2021



Vice-Chancellor

Given under the seal of Manipal Academy of Higher Education, Manipal - India | On this date : November 18, 2021



ATTESTED

No. : 140900006

Sl. No. : MAHE0133943

Principal

SHRI MADHWA VADIRAJA

INSTITUTE OF TECHNOLOGY & MANAGEMENT

Vishwothama Nagar, Udupi Dist.

BANTAKAL - 574 115

Registration No.



145045EC14F02



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

Doctor of Philosophy

on

Asha C S



in recognition of the research work on

"OBJECT TRACKING IN RGB AND INFRARED IMAGERY"

carried out in the Department of

Electronics And Communication Engineering

and completed all the requirements

in August 2018

Given under the seal of the Institute,

on 10th November 2018

ATTESTED

Principal

SHRI MADHVA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwathama, Nagar, Udupi Dist.
BANTAKAL - 574 115

Registrar

Director

Chairperson, Board of Governors

Sl. No. PH18045

Registration No.



National Institute of Technology Karnataka, Surathkal

hereby confers the degree of
Doctor of Philosophy



on

Raghavendra Rao P

in recognition of the research work on

"INVESTIGATION OF CONTROL ALGORITHMS FOR PV SYSTEM UNDER PARTIAL SHADING CONDITIONS AND THEIR EFFECT ON THE EFFICIENCY OF DC-DC CONVERTER"

and completed all the requirements

in March 2022

Given under the seal of the Institute,

on 15th October 2022

ATTESTED

Registrar

Principal

Director

Chairperson, Board of Governors

Sl. No. PH22045

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwamahana Nagar, Udipi Dist.
DANTAKAL - 574 115



Indian Institute of Technology Madras

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

BALACHANDRA ACHAR H V

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

**SILICON NANOPOROUS MEMBRANES FOR
BIOMOLECULAR SEPARATION**



EE07D017



*Given this day the Eighteenth of July, 2014
under the seal of the Institute.*

ATTESTED

V.A.B.
Registrar

mm
Principal

[Signature]
Director

[Signature]

Chairman, Board of Governors

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
KARNATAKA, INDIA



This is to certify that

NAGARAJ BHAT

has been conferred the Degree of

Doctor of Philosophy

in

Faculty of Applied Sciences (MCA)

for the thesis entitled

*Weather Informatics Using Remote Sensing & Geographic
Information System in High Performance Computing
Environment*

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

PH
19 000570

Given under the seal of the University

USN: IDS13PEN13



BELAGAVI

DATE : Feb 08, 2020

VICE CHANCELLOR

ATTESTED

M. S. Rao
Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udipi Dist.
BANTAKAL - 574 115



MANIPAL

ACADEMY of HIGHER EDUCATION

(Institution of Eminence Deemed to be University)

This is to certify that

Dr. SOUMYA J BHAT

has been conferred the degree of

Doctor of Philosophy

Ph.D.

in recognition of his/her research work entitled

**DESIGN OF FAULT-TOLERANT LOCALIZATION AND DEPLOYMENT METHOD FOR
WIRELESS SENSOR NETWORKS WITH IRREGULAR TERRAINS**

having fulfilled the prescribed requirements on 06-April-2022

Vice-Chancellor

Given under the seal of Manipal Academy of Higher Education, Manipal - India | On this date : November 18, 2022



ATTESTED

No. : 180900113

Sl. No. : MAHE0134044

Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothema Nagar, Udupi Dist.



VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
KARNATAKA, INDIA



This is to certify that

SADANANDA L

has been conferred the Degree of

Doctor of Philosophy

in

FACULTY OF COMPUTER & INFORMATION SCIENCES

for the thesis entitled

ML APPROACHES TOWARDS DETECTING ANDROID SPECIFIC ADVANCED
MALWARES

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

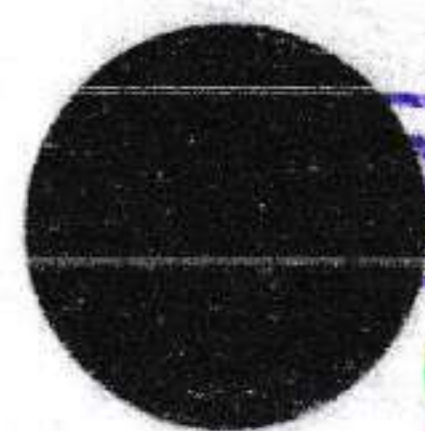
PH
23 00380

Given under the seal of the University

USN: 4PA16PEJ04

BELAGAVI

DATE : FEBRUARY 24, 2023



ATTESTED

Shri Madhwa Vadiraja

Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
BANTAKAL 574 115

[Signature]

VICE CHANCELLOR



UNIVERSITY OF DELHI

दिल्ली विश्वविद्यालय

Ref.No.Exam/Ph.D/2022/4116/ 225

Dated : 18th October, 2022

Provisional Certificate

Certified that Ms. Bharti Panjwani, Enrolment No. 17FTECPHNS000003
Department of Instrumentation & Control Engineering, who presented a thesis
on "Design, Analysis and Control of Physiological Systems" in her name for the
degree of Doctor of Philosophy (Ph.D), has been declared to have qualified for
the award of the Degree of Doctor of Philosophy (Ph.D) of the University of Delhi,
vide University Notification Ref. No. Exam.Br./Ph.D/Result/2022/4 at SI. No. 45
Dated 27th April, 2022.

Joint Registrar (Examination)

संयुक्त कुलसचिव (परीक्षा)
Joint Registrar (Exams)
दिल्ली विश्वविद्यालय
University of Delhi
दिल्ली-110007 / Delhi-110007

Dean (Examination)

अधिष्ठाता (परीक्षा)
Dean (Examinations)
दिल्ली विश्वविद्यालय
University of Delhi
दिल्ली-110007 / Delhi-110007

ATTESTED

Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar Udipi Dist.
BANTARGAL- 574 115

0001162 ಬೆಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾಲಯ

A54-P1-107

Bangalore University



NAAC 'A' Grade



ಬೆಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಕುಲಾಧಿಪತಿ, ವಹಕುಲಾಧಿಪತಿ

We, the Chancellor, the Pro Chancellor, the Vice Chancellor
ಕುಲಪತಿ, ಪ್ರಾಚಾರ್ಯ ಮತ್ತು ವಿಶ್ವವಿದ್ಯಾಲಯ ಸಂಪನ್ಮೂಲ ಸಹಕುಲಾಧಿಪತಿ
the members of the Syndicate of Bangalore University

Certify that

Raghavendra.S

ಇವರ
ಬಹುಮಾನೀಯವಾಗಿ ಈಗಾಗಲೇ ಪ್ರವೇಶ ಪಡೆದಿರುವುದನ್ನು ದೃಢೀಕರಿಸುತ್ತಾ
has been duly admitted to the Degree of

**ಡಾಕ್ಟರ್ ಆಫ್ ಫಿಲಾಸಫಿ
Doctor of Philosophy**

(Faculty of Engineering - Computer Science & Engineering)

ಇವರಿಗೆ ಅಗತ್ಯವಾದ ಅರ್ಹತೆಗಳನ್ನು ಪೂರೈಸಿ ಪೂರ್ಣತೆಯಾಗಿರುವ ಕಾರಣ
in recognition of the fulfillment of requirements
ಮೇಲೆ ಈಗಾಗಲೇ ಪೂರೈ ಆದುದನ್ನು ಅಂಗೀಕರಿಸಲಾಗಿದೆ ಈ ಪದವಿಯ ವಿವರಗಳು ಹೀಗಿವೆ
to the said degree as indicated below

ಪದವಿಯನ್ನು ಪಡೆದ ವರ್ಷ **2018**
Year of Award

ಪದವಿಯ ವಿಷಯ **Secure Data Storage and Retrieval Techniques for Cloud Computing**
Title of the Thesis

ವಿಶ್ವವಿದ್ಯಾಲಯದ ಅಧಿಕಾರ ಮಾರ್ಪೆಯಡಿ ನೀಡಲಾಗಿದೆ
Given under the seal of the University

ಬೆಂಗಳೂರು

Bangalore

ದಿನಾಂಕ

Date

22 APR 2019

ಕುಲಪತಿ
Vice Chancellor

ATTESTED

Principal
SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udipi Dist.
BANGALORE



MANIPAL

ACADEMY of HIGHER EDUCATION

(Deemed to be University under Section 3 of the UGC Act, 1956)

This is to certify that

Dr. ADESH N D

has been conferred the degree of

Doctor of Philosophy

Ph.D.

in recognition of his/her research work entitled

**DESIGN AND IMPLEMENTATION OF EFFICIENT TECHNIQUES FOR PACKET
SCHEDULING AND CONGESTION CONTROL IN 4G LTE NETWORKS**

having fulfilled the prescribed requirements on 31-October-2019

Vice-Chancellor

Given under the seal of Manipal Academy of Higher Education, Manipal - India | On this date : November 15, 2019

ATTESTED

Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
MANIPAL, KARNATAKA



Reg. No. : 140900109
Sl. No. : MAHE0113798

Registration No.



060439MA06F01



National Institute of Technology Karnataka, Surathkal

hereby confers the degree of

Doctor of Philosophy



on

Vasudeva

in recognition of the research work on

"An Analytical Study Of Sum And Difference Labelings Of Graphs And Their Applications"

carried out in the Department of

Mathematical And Computational Sciences

and completed all the requirements

in June 2011

Given under the seal of the Institute,

on 25th September 2011

Registrar

Director

Chairman, Board of Governors

Sl. No. PH10028

ATTESTED

Principal
SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574 115

Registration No.



03221084A



National Institute of Technology Karnataka, Surathkal

hereby confers the degree of

Doctor of Philosophy



on

Sandeep Jayaram Nayak

in recognition of the research work on

*"Planning And Management Of Small Scale Irrigation Schemes In Coastal Uttara
Kannada District, Karnataka, India"*

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

in April 2009

Given under the seal of the Institute,

on 5th May 2010

Registrar

Director

Chairman, Board of Governors

Sl. No. PH09004

ATTESTED

Principal
SHRI KADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574 115

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
KARNATAKA, INDIA



This is to certify that

DEEPIKA B V

has been conferred the Degree of

Doctor of Philosophy

in

FACULTY OF CIVIL ENGINEERING SCIENCES

for the thesis entitled

ASSESSMENT OF GROUNDWATER VULNERABILITY USING GIS-BASED
DRASTIC MODEL A CASE STUDY IN UDUPI DISTRICT, KARNATAKA STATE,
INDIA

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

PH
23 00191

Given under the seal of the University

USN: IBM15PCJ05

BELAGAVI

DATE : FEBRUARY 24, 2023



ATTESTED

Shri Madhwa

Principal

VICE CHANCELLOR

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar Udupi Dist.
BANTAKAL - 574 115

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
KARNATAKA, INDIA



This is to certify that

ANAND V R

has been conferred the Degree of

Doctor of Philosophy

in

Faculty of Civil Engineering Sciences

for the thesis entitled

Study on Arch Foundation With Blocks

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

PH
19 000070

Given under the seal of the University

USN: 4JN12PCN01

BELAGAVI

DATE : Feb 08, 2020



ATTESTED

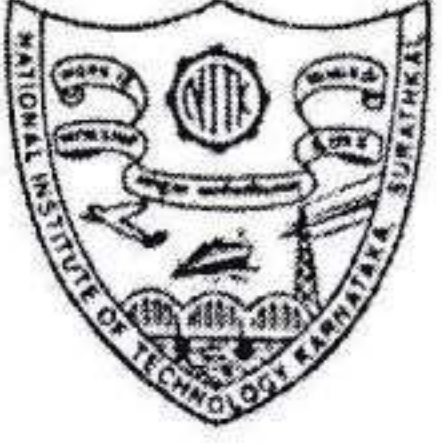
[Signature]

[Signature]

VICE CHANCELLOR

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. Sujay Raghavendra N (Reg. No. 145036AM14F03) in the Department of Applied Mechanics and Hydraulics 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 October 1, 2019.

The title of the thesis submitted is "ASSESSMENT OF SPATIO-TEMPORAL VARIABILITY OF STREAMBED HYDRAULIC CONDUCTIVITY: A CASE STUDY IN THE PAVANJE RIVER, INDIA".

This certificate is issued this day, the October 14, 2019, with the approval of the authorities.

ATTESTED

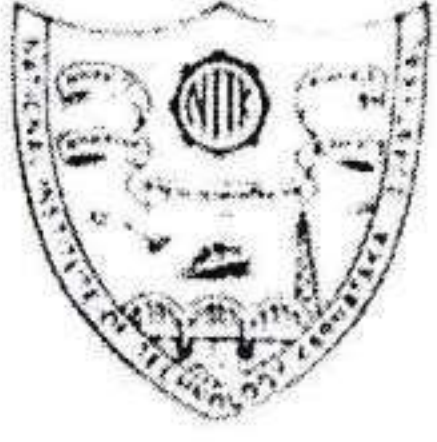
Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwathama Nagar, Udupi Dist.
BANTVAL - 574 113

DEAN (Academic)

Dean (Academic)
National Institute of Technology
Karnataka, Surathkal

Post Srinivasnagar, Mangalore-575025



Provisional Degree Certificate

For the degree of

Doctor of Philosophy

Certified that **Mr. Jayakesh K (Reg. No. 135058CV13F01)** in the Department of **Civil 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 **August 1, 2019**.

The title of the thesis submitted is "**EXPERIMENTAL STUDIES ON INTERFACE BOND STRENGTH OF ULTRA-THIN WHITETOPPING PAVEMENTS UNDER STATIC AND DYNAMIC LOADING CONDITIONS**".

This certificate is issued this day, the **August 05, 2019** with the approval of the authorities.

ATTESTED

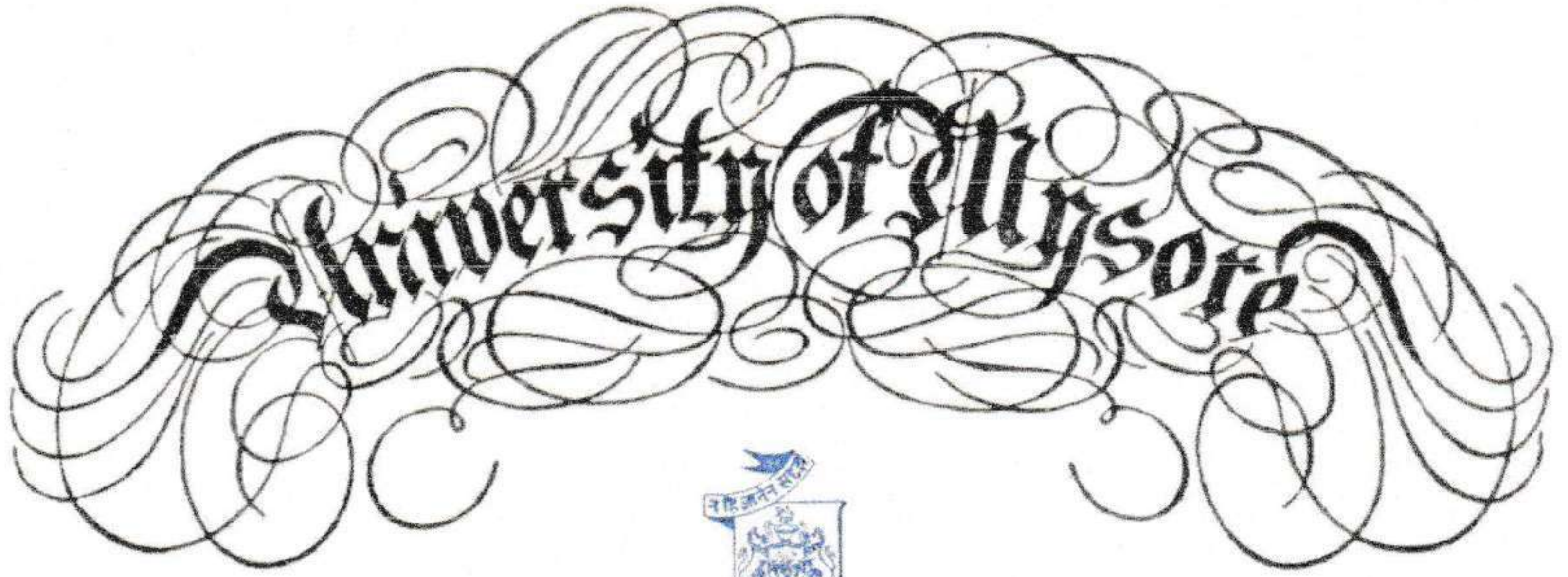
Principal

SHRI MACHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwathama Nagar Udipi Dist.
BANTAKAL - 574 115

DEAN (Academic)

Dean (Academic)
National Institute of Technology
Karnataka, Surathkal

Post Srinivasnagar, Mangalore-575025



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

Srinivasan K K

has been admitted to the Degree of

DOCTOR OF PHILOSOPHY
(Chemistry)

he having been duly certified to have passed the examination prescribed therefor in the year 1986.

Given under the seat of the University.

Mysore, March 21, 1986
Place and Date of Convocation



ATTESTED

[Handwritten signature]

[Handwritten signature]
Vice-Chancellor

INSTITUTE OF DISTANCE EDUCATION
BANGALURU - 574 115



MASSACHUSETTS INSTITUTE OF TECHNOLOGY
(AUTONOMOUS INSTITUTE)

This is to certify that

Mr. C. K. MANJUNATHA

has been admitted to the degree of

Doctor of Philosophy (Int. Ph.D)

in recognition of his / her research work entitled

Application of neural network and APUPA design to identify neural

signals in mentally retarded children

& he/she having fulfilled the prescribed requirements

for the same

On **5th January 1998**

**The work is Patented under IPO:113/MIT:AI&NN.
Given under the authenticity**

Given under the seal of the Institute



BOSTON, USA
Date : 12-01-1998

Wilton
Director

ATTESTED

Aravind

Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udipi Dist.
BANTAKAL - 574115

ಮಂಗಳೂರು
MANGALORE



ವಿಶ್ವವಿದ್ಯಾನಿಲಯ
UNIVERSITY

Accredited by NAAC with 'A' Grade

ಮಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಕುಲಾಧಿಪತಿಗಳು, ಸಹಕುಲಾಧಿಪತಿಗಳು, ಕುಲಪತಿಗಳು,

ಸಿಂಡಿಕೇಟ್ ಮತ್ತು ವಿದ್ಯಾವಿಷಯಕ ಪರಿಷತ್ತಿನ ಸದಸ್ಯರುಗಳಾದ ನಾವು

ಸುಬ್ಬುಲಕ್ಷ್ಮಿ ಎನ್ ಕಾರಂತ್

ಅವರು ೨೦೧೯ ನೆಯ ವರ್ಷದ ಏಪ್ರಿಲ್ ತಿಂಗಳಿನಲ್ಲಿ

ಡಾಕ್ಟರ್ ಆಫ್ ಫಿಲಾಸಫಿ

ಪದವಿಗೆ ನಿರ್ದಿಷ್ಟ ಅರ್ಹತೆಯನ್ನು ಪಡೆದಿರುವರೆಂದು ಪ್ರಮಾಣೀಕೃತವಾಗಿರುವುದರಿಂದ

೨೦೧೯ರ ಏಪ್ರಿಲ್ ತಿಂಗಳ ಹನ್ನೆರಡನೆಯ ದಿನದಂದು ನಡೆದ ೩೭ನೆಯ ಘಟಿಕೋತ್ಸವದಲ್ಲಿ

ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ನಿಷ್ಠೆಯು ರಸಾಯನಶಾಸ್ತ್ರ

ಅಧ್ಯಯನ ಮಂಡಳಿಯ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಅಂಗೀಕೃತವಾಗಿರುವುದರಿಂದ ಈ ಮೂಲಕ ದೃಢೀಕರಿಸುತ್ತೇವೆ.

*We, the Chancellor, the Pro-Chancellor, the Vice-Chancellor, the members
of Syndicate and Academic Council of Mangalore University*

do hereby make known that

Subbulakshmi N Karanth

has been admitted to the Degree of

DOCTOR OF PHILOSOPHY

*at the 37th Convocation held on the 12th day of April 2019 on being duly
certified to have qualified for the same in the month of April 2019*

for the thesis/ಮಹಾಪ್ರಬಂಧದ ಶೀರ್ಷಿಕೆ:

**"STRUCTURAL AND BIOLOGICAL EVALUATION OF SOME N,S-CONTAINING HETEROCYCLIC
NUTRACEUTICALS".**

in the Faculty of Science and Technology under the Board of Studies in Chemistry

ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಲಾಂಛನದೊಂದಿಗೆ ನೀಡಿದೆ.

Given Under the Seal of the University.

ಮಂಗಳಗಂಗೋತ್ರಿ, ಕರ್ನಾಟಕ ರಾಜ್ಯ, ಭಾರತ

MANGALAGANGOTRI, Karnataka State, INDIA

ದಿನಾಂಕ Date : 12.04.2019

ಕ್ರಮ ಸಂಖ್ಯೆ : Sl. No. : 4716 / 2019



[Signature]
ಕುಲಪತಿ

ATTESTED

VICE CHANCELLOR

[Signature]

Principal

SHRI MADHWA VADIRAJA

INSTITUTE OF TECHNOLOGY & MANAGEMENT

Misowthama Nagar, Udipi Dist,

BANTAKAL - 574 115

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
KARNATAKA, INDIA



This is to certify that

RAVIPRABHA K

has been conferred the Degree of

Doctor of Philosophy

in

FACULTY OF APPLIED SCIENCES (CHEMISTRY)

for the thesis entitled

STUDIES OF CORROSION INHIBITION OF ALUMINIUM BY USING SIMPLE
AND FUSED HETEROCYCLIC COMPOUNDS IN ACIDIC MEDIUM

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

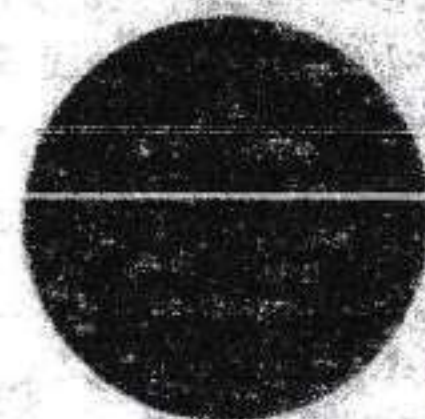
PH
23 00056

Given under the seal of the University

USN: 4NM13PGN03

BELAGAVI

DATE : FEBRUARY 24, 2023



ATTESTED

Principal

SHRI MADHWA VADIRAJA

INSTITUTE OF TECHNOLOGY & MANAGEMENT

Vishwathama Nagar, Udupi Dist.

BANTAKAL - 574 115

VICE CHANCELLOR

Registration No.



081015CY08P03



National Institute of Technology Karnataka, Surathkal

hereby confers the degree of

Doctor of Philosophy



on

Reena Kumari P D

in recognition of the research work on

"Studies On Corrosion Inhibition Of 6061 Al-15 Vol. Pct. Si C_(p) Composite In Alkaline Medium"

carried out in the Department of

Chemistry

and completed all the requirements

in October 2012

Given under the seal of the Institute,

on 10th November 2012

Registrar

Director

Chairman, Board of Governors

Sl. No. PH12028

ATTESTED

Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udipi Dist.
BANTAKAL - 574 115

ಮಂಗಳೂರು
MANGALORE



ವಿಶ್ವವಿದ್ಯಾನಿಲಯ
UNIVERSITY

ಮಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಕುಲಾಧಿಪತಿಗಳು, ಸಹಕುಲಾಧಿಪತಿಗಳು, ಕುಲಪತಿಗಳು,
ಸಿಂಡಿಕೇಟ್ ಮತ್ತು ವಿದ್ಯಾವಿಷಯಕ ಪರಿಷತ್ತಿನ ಸದಸ್ಯರುಗಳಾದ ನಾವು
ರವೀಂದ್ರ ಹೆಚ್.ಜೆ.

ಅವರು ೨೦೧೦ನೆಯ ವರ್ಷದ ಮಾರ್ಚ್ 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*

RAVINDRA H.J.

has been admitted to the Degree of

DOCTOR OF PHILOSOPHY

*at the 28th Convocation held on the 06th day of April 2010 on being duly certified to have
qualified for the same in the month of March 2010*

for the thesis / ಮಹಾಪ್ರಬಂಧದ ಶೀರ್ಷಿಕೆ:

**"CRYSTAL GROWTH CHARACTERIZATION AND NON-LINEAR OPTICAL PROPERTIES OF
D- π -A AND D- π -A- π -D TYPE CHALCONE DERIVATIVES"**

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

ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಲಾಂಛನದೊಂದಿಗೆ ನೀಡಿದೆ.

Given Under the Seal of the University



ATTESTED

Principal

Principal

SHRI MADHWA VADIRAJA

INSTITUTE OF TECHNOLOGY & MANAGEMENT

Vishwothama Nagar, Udipi Dist.

BANTAKAL - 574 115

ಮಂಗಳಗಂಗೋತ್ರಿ, ಕರ್ನಾಟಕ, ಭಾರತ
MANGALAGANGOTTHRI, KARNATAKA, INDIA
ದಿನಾಂಕ/Date : 06.04.2010

Vice-Chancellor

ಕುಲಪತಿ

VICE-CHANCELLOR