



# Indian Institute of Technology, Madras

*hereby confers the degree of*

**Doctor of Philosophy**

*of the Institute*

*on*

**ARDHENDUMOULI MOHANTY**

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

**STUDY OF SILICON, MANGANESE REACTIONS AND  
OXYGEN CONTENT IN SUBMERGED ARC WELDING  
USING FUSED FLUXES**

*Given this day the Ninth of August 1991  
under the seal of the Institute.*

*V. Yam.*  
Registrar

*D. S. Renukashan*  
Chairman Board of Governors



S. No. : 101909

Notification No. : 218/P/2015

Enrolment No. EDS5/08/018



जवाहरलाल नेहरु विश्वविद्यालय  
नई दिल्ली

Jawaharlal Nehru University  
New Delhi

(CENTRE FOR DEVELOPMENT STUDIES)

Upon the recommendation of the Academic Council

hereby confers the Degree of

**DOCTOR OF PHILOSOPHY**

On *Bikhunandini Das*

who has successfully completed in the year 2015 the requirements prescribed under the Ordinance for the award of this degree.

*Title of the Thesis:*

*"Diffusion of Information and Communication Technologies : Evidence from Indian Agriculture"*

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

The 01 MAY 2015

*Bikhunandini Das*

*[Signature]*  
Registrar

*[Signature]*





भारतीय प्रौद्योगिकी संस्थान गुवाहाटी

गुवाहाटी - 781 039, भारत

Indian Institute of Technology Guwahati

Guwahati - 781 039, India

Phone: +91-361-258 2192

Fax : +91-361-258 2090

+91-361-269 0762

email : acadoff@iitg.ernet.in

web : http://www.iitg.ernet.in/acad

ACADEMIC AFFAIRS

Ref.:Ph.D/CERT/Prov/07610307

Date : 27/08/2013

## PROVISIONAL CERTIFICATE



This is to certify that Mr. Biswajit Nayak (Roll No. 07610307), Research Scholar in the Mechanical Engineering Department of this Institute, has successfully completed the Ph.D. programme of this Institute.

His thesis viva-voce examination was held on 23<sup>rd</sup> August 2013.

The title of his thesis is : DYNAMIC STABILITY OF MAGNETORHEOLOGICAL ELASTOMER BASED SANDWICH BEAMS.

It is also certified that, as per programme requirement, he also completed course work and comprehensive examination.

The thesis evaluation was done by a pool of examiners including external examiners from India and abroad.

*Sunil Kumar Barua* 27/08/13

( Sunil Kumar Barua )

Deputy Registrar

Academic Affairs

*B*

Deputy Registrar (Academic Affairs)  
Indian Institute of Technology Guwahati  
Guwahati-781039, INDIA

NOTE : The original degree certificate will be issued in the next convocation of the Institute likely to be held in May 2014.

The Board of Trustees of the

# Asian Institute of Technology


On the Recommendation of the Council of Faculty Examiners  
Has Conferred Upon

HARIBANDHU PANDA

The Degree of  
**Doctor of Philosophy**

With all of its Privileges and Obligations

Given this Twenty-second day of August 1996

  
President of the Institute



*Dr. Roger Binley*  
Academic Secretary

*Bin Hong of Wee*  
Chairman of the Board

SL. NO. 02948

Registration No : 08/Economics-2007-08



02 July 2013

# RAVENSHAW UNIVERSITY

## CUTTACK

This is to certify that

**Kshitish Kumar Khuntia**

Who passed the examination for the degree of

Doctor of Philosophy in **Economics**

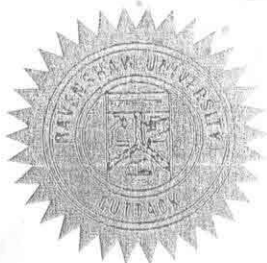
held in the month of April 2013,

has this day been admitted to the Ravenshaw University

Degree of

**DOCTOR OF PHILOSOPHY**

Vice-Chancellor



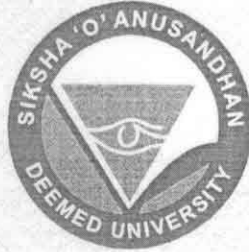
Personal File.

16/7/13

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**



## PROVISIONAL CERTIFICATE

**MAHENDRA KUMAR RATH**

Registration No : 1161018002

has successfully completed all the prescribed requirements and  
possessed the degree proficiency for the award of degree

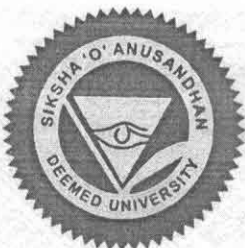
of

**Doctor of Philosophy**

in

**Mechanical Engineering**

in the year 2015



Date: 1.1.FEB.2015

  
CONTROLLER OF EXAMINATIONS

SL. NO. 06147

Registration No : 09/MGT-2007-08



23 August 2014

# RAVENSHAW UNIVERSITY

## CUTTACK

This is to certify that

**Prasanta Kumar Mohanty**

Who passed the examination for the degree of

Doctor of Philosophy in **Management**

held in the month of June 2014,

has this day been admitted to the Ravenshaw University

Degree of

**DOCTOR OF PHILOSOPHY**

Vice-Chancellor





# Fakir Mohan University

XXXXXXXXXX

0172621

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

**ବିଭୂଷଣ ଡକ୍ଟରାଟ୍ ପତ୍ର**

This is to certify that

PRAMOD KUMAR PATJOSHI

୨୦୧୩ ମସିହା ମଇ ମାସରେ ପଢ଼ାବିତ୍

who passed the examination for the degree of

ସମ୍ମାନ ସମ୍ପାଦନା ବିଭାଗର ଡକ୍ଟରାଟ୍ ପଢ଼ାବିତ୍

**DOCTOR OF PHILOSOPHY**

ସମ୍ପର୍କରେ ପଢ଼ାବିତ୍ତାଙ୍କୁ ଡକ୍ଟରାଟ୍ ପଢ଼ାବିତ୍

in MANAGEMENT

ପ୍ରମୋଦ କୁମାର ପାଟ୍ଟନାୟକ

held in the month of MAY, 2013

ଅର୍ଥାତ୍ ଏହି ଡକ୍ଟରାଟ୍ ପତ୍ରକୁ ଦେଖା

was this day admitted to the degree.

Fakir Mohan University  
Vyasa Vihar, Balasore, Odisha

The 21st April, 2015

Vice-Chancellor



ପ୍ରମୋଦ କୁମାର ପାଟ୍ଟନାୟକ  
ଡକ୍ଟରାଟ୍ ପଢ଼ାବିତ୍

ଡା. ୨୧/୦୪/୨୦୧୫ ବି





# National Institute of Technology Rourkela

Upon the recommendation of the Senate,  
hereby confers the degree of

**Doctor of Philosophy**

on

*Ramesh Chandra Mohanty*

---

who has successfully defended the thesis entitled  
*“Damping of Layered and Jointed Beams  
with Riveted Joints”*

and has fulfilled all other requirements  
for the degree in the Department of  
*Mechanical Engineering*

Given this day, under the seal of the Institute  
at Rourkela in the Republic of India,  
the 15th Day of January 2011.

Registrar

Director

Validity : 07.12.2013

No. Ph.D/2013/018

## PROVISIONAL CERTIFICATE



**BIJU PATNAIK UNIVERSITY OF TECHNOLOGY, ORISSA  
ROURKELA**

Certified that  
**Satyasis Mishra (06DS007033)**  
has successfully completed all prescribed requirements for the  
award of the degree of

**Doctor of Philosophy (Ph.D.)**

in

**Engineering**

of the University.

The title of the thesis submitted :

**Advanced Signal Processing Techniques for Pattern  
Recognition in Nonstationary Power Signals**

This certificate is issued this day, the May 08, 2013  
with approval of the authorities.

*Car... ..*  
8.5.2013

Director, Examinations

The Board of Trustees of the

# Asian Institute of Technology

On the Recommendation of the Council of Faculty Examiners  
Has Conferred Upon

SMITA MISHRA PANDA

The Degree of

## Doctor of Philosophy

With all of its Privileges and Obligations

Given this Twelfth day of December 1996



*Deepa Redwood*  
President of the Institute

*B. M. K. M. M. M.*  
Chairman of the Board



# ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY

This is to certify that

**Supriya Pattanayak**

was admitted to the Degree of

**Doctor  
of  
Philosophy**

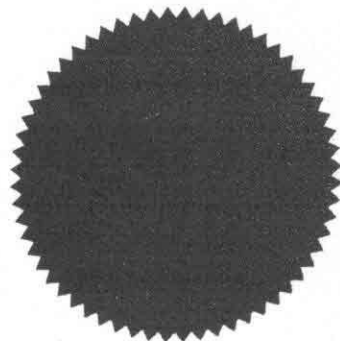
on the thirtieth day of September in the year 2008

*RD Giblin*

Chancellor  
of the University

*Margaret Gardner*

Vice-Chancellor  
of the University





# Indian Institute of Technology

## Kharagpur

*Upon the recommendation of the Senate hereby confers the degree of*

Doctor of Philosophy

in

ENGINEERING

*Nidhi Meher*

on \_\_\_\_\_  
GIVEN this day under the seal of the Institute at Kharagpur in the Republic of India

The 8th March, 1988

*Title of thesis Simulation Analysis and Microprocessor-Based  
State Feedback Control of A Current-Source Inverter  
Induction Motor (CSI-IM) Drive*

*Electrical Engineering*

Registered in \_\_\_\_\_

*M. S.*  
Chairman

*Band of Eminence*

*H. S. J.*

# BERHAMPUR UNIVERSITY

BHANJA BIHAR, BERHAMPUR-7, DIST : GANJAM (ORISSA)



## PROVISIONAL CERTIFICATE

This is to certify that

ANITA PATRA

has been declared qualified for the award of  
Ph. D. degree in BUSINESS ADMINISTRATION  
of this university vide Berhampur University  
notification no. 6399/BU/Exam.Conf. dated 12th Dec. 09.  
Unit-II

TITLE OF THE THESIS : "Role of Self-Help Groups in the Socio-  
Economic Development of the Rural  
Women in Orissa: A Study".

*ASU*

16.12.09  
CONTROLLER OF EXAMINATIONS,  
BERHAMPUR UNIVERSITY

*ASU*  
16.12.09

# इंदिरा गांधी कृषि विश्वविद्यालय

INDIRA GANDHI KRISHI VISHWAVIDYALAYA

RAIPUR-492012 CHHATTISGARH (INDIA)



Certificate No- 2019202300112

## अन्तः कालीन प्रमाण - पत्र

प्रमाणित किया जाता है कि

आशीर्बचन महापात्र

विश्वविद्यालय नामांकन संख्या

20151622637

ने

पी-एच.डी. (कृषि)

परीक्षा वर्ष

2019-20

में उत्तीर्ण कर 10.00 माप श्रेणी के अनुपात में

8.62

समग्र औसत श्रेणी बिन्दु प्राप्त की।

वे इस विश्वविद्यालय की

पी-एच.डी. (कृषि) शस्य विज्ञान

उपाधि के पात्र हैं।

## Provisional Certificate

Certified that

ASHIRBACHAN MAHAPATRA

University enrollment No.

20151622637

has passed the

Ph.D in Agriculture

examination in the year

2019-20

and obtained an Overall Grade Point Average

8.62

out of 10.00 scale.

He/She is therefore, eligible for the award of

Ph.D in Agriculture Agronomy

degree of this Vishwavidyalaya.

रायपुर

Raipur

दिनांक

Date

08 DEC 2021



REGISTRAR

I.G. Kriant Vishwavidyalaya  
Raipur (C.G.)



# INDIRA GANDHI KRISHI VISHWAVIDYALAYA, RAIPUR(C.G.)

## COLLEGE OF AGRICULTURE, RAIPUR

### TRANSCRIPT

### Ph.D in Agriculture(Agronomy)



Certificate No : 2019203300040  
 UE No. : 20151622637  
 Father's Name : KRUSHNA CHANDRA  
 Address : Dihagaon Madhyakhand Nayagarh

Name of Student : ASHIRBACHAN MAHAPATRA  
 Period of Student-Ship : 2017-18 To 2019-20  
 Mother's Name : GEETANJALI

SEMESTER - I							
Course Code	Title of Course	R	Tc(Cr,Cr)	MM		MO	
				T	P	T	P
AGRON-691	DOCTORAL SEMINAR I	0	1(0+1)	--	50	--	48
AGRON-606	ADVANCES IN WEED MANAGEMENT	0	2(2+0)	100	--	85	--
AGRON-601	CURRENT TRENDS IN AGRONOMY	0	3(3+0)	100	--	83	--
ASTAT-611	ADVANCED STATISTICAL METHODS FOR CROP PRODUCTION & IMPROVEMENT	0	3(2+1)	100	50	79	43
AGRON-605	ADVANCES IN IRRIGATION MANAGEMENT	0	3(2+1)	100	50	91	45
SOILS-605	BIO CHEMISTRY OF SOIL ORGANIC MATTER	0	2(2+0)	100	--	81	--
SOILS-602	ADVANCES IN SOIL FERTILITY	0	2(2+0)	100	--	76	--

SEMESTER - II							
Course Code	Title of Course	R	Tc(Cr,Cr)	MM		MO	
				T	P	T	P
SOILS-606	LAND USE PLANNING AND WATERSHED MANAGEMENT	0	2(2+0)	100	--	84	--
AGRON-609	STRESS CROP PRODUCTION	0	3(2+1)	100	50	85	48
AGRON-692	DOCTORAL SEMINAR II	0	1(0+1)	--	50	--	47
AGRON-607	INTEGRATED FARMING SYSTEMS FOR SUSTAINABLE AGRICULTURE	0	2(2+0)	100	--	89	--
AGRON-608	SOIL CONSERVATION AND WATERSHED MANAGEMENT	0	3(2+1)	100	50	90	46
PP-608	SEED PHYSIOLOGY	0	3(2+1)	100	50	85	44
ASTAT-622	ADVANCED REGRESSION ANALYSIS	0	3(2+1)	100	50	86	46

SEMESTER - III							
Course Code	Title of Course	R	Tc(Cr,Cr)	MM		MO	
				T	P	T	P

SEMESTER - IV							
Course Code	Title of Course	R	Tc(Cr,Cr)	MM		MO	
				T	P	T	P

SEMESTER - V							
Course Code	Title of Course	R	Tc(Cr,Cr)	MM		MO	
				T	P	T	P

SEMESTER - VI							
Course Code	Title of Course	R	Tc(Cr,Cr)	MM		MO	
				T	P	T	P
AGRON-699	DOCTORAL RESEARCH Title :- WEED MANAGEMENT FOR ENHANCING PRODUCTIVITY OF RICE-GREEN GRAM AND RICE-TORIA CROPPING SEQUENCE UNDER COASTAL PLAIN ZONE OF ODISHA Date of Viva-voce:- 08/12/2021	0	45 (0+45)NC	--	--	--	S

Total Credits : 33 (OGPA) : 8.62

Date : 2022.03.17

Digitally signed by SATENDRA SINGH SENGAR  
 Date: 2022.03.17 12:45:50 +05:30  
 Reason: Transcript Certificate  
 Location: Director, Instructions & Controller of Examinations, IGKV, Raipur(C.G.)

#### GRADING SYSTEM UNDER 10.00 POINT SCALE

The aggregate of the marks obtained in course is converted into percentage. The percentage of marks obtained in a course is divided by 10 and expressed as grade point of the course. The grade in a course multiple by the nos. of credits is the grade of the course. The cumulated grade points obtained by a student in all the courses during a semester divided by total credits of all courses is G.P.A in a semester.  
 The cumulative credit points obtained in all the course divided by the cumulative credits in these course for the entire period is O.G.P.A.

- 1) Grade Point : % of Marks/10
- 2) Credit Point : Grade Point x Credits
- 3) O.G.P.A. : Total Credit Points/Total Credits
- 4) % of Marks : O.G.P.A x 10



Note : T=Theory, P=Practical, Tc=Total Credit, Cr=Credit in Theory, Cr=Credit in Practical, MM=Maximum Marks, MO=Mark Obtained, S=Satisfactory, US=Unsatisfactory, \* =Passed with Grace, NC=Non Credit, R=Repeat





# इंदिरा गांधी कृषि विश्वविद्यालय, कृषक नगर, रायपुर

No-Acd-II /Ph.D in Agriculture / 2019 7879

## NOTIFICATION

Date - 28/03/2022

The under mentioned student, having successfully completed all requirements for award of the Degree of DOCTOR OF PHILOSOPHY (Department of AGRONOMY) of this Vishwavidyalaya is declared eligible for award of the Degree -

### College of Agriculture, Raipur

1	Name of the Student (English) :	ASHIRBACHAN MAHAPATRA
	(Hindi) :	आशीर्बचन महापात्र
2	Father's Name :	S/o KRUSHNA CHANDRA MAHAPATRA
3	Mother's Name :	GEETANJALI MAHAPATRA
4	Category :	OC
5	UE ID :	20151622637
6	Faculty /Department :	AGRONOMY
7	Topic of the Thesis :	WEED MANAGEMENT FOR ENHANCING PRODUCTIVITY OF RICE-GREEN GRAM AND RICE-TORIA CROPPING SEQUENCE UNDER COASTAL PLAIN ZONE OF ODISHA
8	O.G.P.A. :	8.62 (Eight Point Six Two out of 10.00)
9	Date of viva-voce :	08/12/2021
10	Completion Year :	Second Semester of the Session 2019-20

Endt. No. /Acd- II / Ph.D in Agriculture / 2019 7880

Copy to -

1. The Director of Agriculture/Horticulture, Govt. of Chattisgarh, Raipur.
2. The Director of Instructions/Controller of Examination, IGKV, Raipur.
3. The Director of Research/Extension Services, IGKV, Raipur.
4. The Dean, Students Welfare, IGKV, Raipur.
5. The Dean, College of Agriculture, Raipur
6. HOD, Dept. of AGRONOMY , College of Agriculture, Raipur
7. The PA to Hon'ble Vice -Chancellor, IGKV, Raipur
8. Nodal Officer, AISHE, College of Agriculture , Raipur.
9. Person Concerned - ASHIRBACHAN MAHAPATRA S/o KRUSHNA CHANDRA MAHAPATRA, Dihagaon Madhyakhand Nayagarh
10. I/c Website-Please upload the notification. Personal File/Guard File.

  
REGISTRAR  
Date - 28/03/2022

  
REGISTRAR

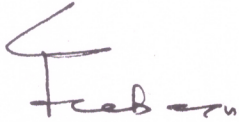
Visva-Bharati

This is to certify that

Sri Jagar Maitra

was admitted to the Degree of Doctor of  
Philosophy in this University in the  
year १९२०००

on presentation of a thesis entitled  
“Effect of Growth Regulators and Intercropping  
systems on Finger Millet Varieties”

  
Vice-Chancellor



December 15, 2001  
Santiniketan \_\_\_\_\_, 19\_\_\_\_

No. 3151

ODISHA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY  
BHUBANESWAR - 751003



Admission No. OI.ABT./Ph.D./16

### PROVISIONAL CERTIFICATE

This is to certify that

Debanjana Saha

having fulfilled the requirements for the degree of

Doctor of Philosophy

in Agriculture Science (Agricultural Biotechnology)

with an over-all grade point average of 8.46

(10 point scale) is declared to have passed the said examination

in the year 2022 and has been placed in the class.

UNIVERSITY OFFICE  
BHUBANESWAR

Dated the 13th January, 2022

*Dolluic*  
13.1.22-  
Asst. Registrar (Acad.)  
Assistant Registrar (Acad.)

# Utkal University

No. 009336

## UTKAL UNIVERSITY

DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph.D.)

This is to certify that  
**FAHIMA DILNAWAZ**

Who passed the examination for the degree of,  
**DOCTOR OF PHILOSOPHY**  
in **BOTANY** held in the  
month of **March** **2000** was this day  
admitted to the degree.



UTKAL  
UNIVERSITY  
VANI VIHAR  
BHUBANESWAR.

The **5th January, 2002**

Vice Chancellor

## ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

ଦିକୃଷଣ ଉପାଧି ପତ୍ର

୨୦୦୦ ମସିହା ମାର୍ଚ୍ଚ ମାସରେ ଅନୁଷ୍ଠିତ  
ବିଜ୍ଞାନ ବିଭାଗ  
ଉପାଧି ପରୀକ୍ଷାରେ ଉତ୍ତୀର୍ଣ୍ଣ ବିଜ୍ଞାନ  
ପଦ୍ମିନୀ ଦିଲନାସୀଜ୍ଜ  
ଅନ୍ୟ ଏହି ଉପାଧି ପ୍ରଦତ୍ତ ହେଲା ।

ଉତ୍କଳ  
ବିଶ୍ୱବିଦ୍ୟାଳୟ  
ବାଣୀ ବିହାର  
ଭୁବନେଶ୍ୱର

ତା ୦୫/୦୧/୨୦୦୨

ସ୍ୱତ୍ୱପତ୍ରି

Fahima Dilnawaz



# Utkal University

ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph.D.)

ବିଭୂଷଣ ଉପାଧି ପତ୍ର

**RANJAN KUMAR SAHOO**

This is to certify that

who passed the Examination for the degree of

**Doctor of Philosophy**

in **Bio-Technology**

under the Faculty of

**Science & Technology**

held in the month of **November 2013**

was this day admitted to the Degree.

**୨୦୧୩** ମସିହା ନଭେମ୍ବର

ମାସରେ ଅନୁଷ୍ଠିତ

ବିଜ୍ଞାନ ଓ ପ୍ରଯୁକ୍ତି ବିଦ୍ୟା

ନୈବ ପ୍ରଯୁକ୍ତି

ରେ ଉତ୍ତୀର୍ଣ୍ଣ

ରଞ୍ଜନ କୁମାର ସାହୁ

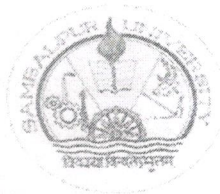
ବିଭୂଷଣ ଉପାଧି ପରୀକ୍ଷାରେ

ସ୍ୱୀକୃତି ପ୍ରାପ୍ତ ହୋଇଛନ୍ତି ।

Vani Vihar, Bhubaneswar,  
Odisha, India.  
The 21<sup>st</sup> February 2015

**Signature**  
Vice-Chancellor

*Ranjan Kumar Sahoo*



**SAMBALPUR UNIVERSITY**

**JYOTI VIHAR, DIST-SAMBALPUR (ODISHA)**

[www.suniv.ac.in](http://www.suniv.ac.in)

**DOCTOR OF PHILOSOPHY  
PROVISIONAL CERTIFICATE**

This is to certify that **ABANIKANTA BHADRA**, bearing Regd. No. **404/2011/Env. Science** has passed the Examination for the degree in Doctor of Philosophy in **Environmental Science** under the faculty of **Science & Technology** held in the month of **20-07-2022** on the basis of the thesis entitled **"BIOGEOCHEMICAL BASIS OF PLANT DIVERSITY ON GANDHAMARDAN HILLS OF EASTERN GHAT IN ORISSA, INDIA"**. This degree conforms to the provisions of UGC Regulations, 2009.

Date of Publication of Result : 3440/ EC-III, Dated:-21-07-2022

A handwritten signature in blue ink, appearing to read 'Rajendra'.

**CONTROLLER OF EXAMINATIONS**

Controller of Examinations  
Sambalpur University

*Abanikanta Bhadra*

STUDIES ON THE FOLKLORE CLAIMS AND EVALUATION OF  
SOME SELECTED PLANTS OF DHENKANAL DISTRICT  
OF ODISHA, WIDELY USED AGAINST URINARY  
TRACT INFECTIONS

*Thesis Submitted to Utkal University*

*For the Degree of*

**DOCTOR OF PHILOSOPHY**

**IN**

**BOTANY**

*By*

**GYANRANJAN MAHALIK**

Regd. No. 02-Botany, 2014-2015

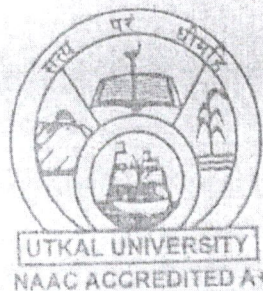
*Under the Guidance of*

**Dr. Kunja Bihari Satapathy**

Supervisor

**Dr. Sabuj Sahoo**

Co-Supervisor



**POST GRADUATE DEPARTMENT OF BOTANY**

**UTKAL UNIVERSITY, VANI VIHAR**

**BHUBANESWAR-751004**

**ODISHA, INDIA**

**2018**



15GHROY5859



Regn. No. : 1581611002

# SIKSHA 'O' ANUSANDHAN

(Deemed to be University)

Bhubaneswar, Odisha, India.

Accredited by NAAC with 'A' Grade

upon recommendation of the Academic Council  
hereby confers the degree of

**Doctor of Philosophy**

on

*Jatindra Nath Mohanty*

who has fulfilled the requirement for the degree as prescribed under  
the regulations and successfully defended in July, 2019  
the thesis entitled :

"Genomic approaches towards characterization of sex  
linked genes in some important genera of Cucurbitaceae"

for the research conducted under the

**Centre for Biotechnology  
(Department of Biotechnology)**

Given on this day, under the seal of the University  
at Bhubaneswar, Odisha, India.



Date : 24th October, 2019

*[Signature]*  
Vice Chancellor

*Jatindra Nath Mohanty*





Sl. No..... **776**  
Token No. .... **250**  
Dated..... **24.11.2020**

**UTKAL UNIVERSITY**  
VANI VIHAR, BHUBANESWAR-751004

### PROVISIONAL CERTIFICATE

This is to certify that ...*Kalita Bhatta*.....

Regd. No. *16 B.A.M.Y - 2006-07* ..... is declared  
to be qualified for the award of Ph.D. /  
D.Litt. / D.Sc. in *B.A.M.Y*.....

..... Examination held in the  
year ..... *2020* ..... from Utkal University,  
Vani Vihar, Bhubaneswar.

*[Signature]*  
01.12-2020  
Written By

*[Signature]*  
01.12-2020  
Checked By

*[Signature]*  
01.12-2020  
Section Officer

*[Signature]*  
01/12/2020  
Dy. Controller of  
Examinations



Registration No. 13PH-BT-005



Sl.No. : 1900030

# RAVENSHAW UNIVERSITY CUTTACK

## School of Life Sciences

### ମଧୁସ୍ମିତା ବାରିକ

ରେଭେନ୍‌ସା ବିଶ୍ୱବିଦ୍ୟାଳୟ ଦ୍ୱାରା ଅନୁମୋଦିତ ପାଠ୍ୟକ୍ରମ ସମାପନପୂର୍ବକ  
୨୦୧୮ ମସିହା ମେ ମାସରେ ଅନୁଷ୍ଠିତ ଜୈବ ବୈଷୟିକ ବିଦ୍ୟା  
ବିଭୂଷଣ ପରୀକ୍ଷାରେ ଉତ୍ତୀର୍ଣ୍ଣ ହୋଇଥିବାରୁ  
ଅଦ୍ୟ ଏହି ଉପାଧି ପ୍ରଦାନ କରାଗଲା ।

ଉପାଧି

ବିଭୂଷଣ, ଜୈବ ବୈଷୟିକ ବିଦ୍ୟା

### Madhusmita Barik

having completed the Ravenshaw University  
approved course of study and passed the examination

Doctor of Philosophy in Biotechnology

held in the month of May, 2018

has this day been admitted to this

Degree of

Doctor of Philosophy in Biotechnology

*Madhusmita Barik*

କୁଳପତି

Vice-Chancellor



Odisha ୫ ଫେବୃଆରୀ, ୨୦୧୯  
Date: 5 February, 2019



SI.No. : 2015129

# Utkal University

ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph.D.)

ବିଭୂଷଣ ଉପାଧି ପତ୍ର

RUKMINI MISHRA

This is to certify that

who passed the Examination for the degree of

Doctor of Philosophy

Science & Technology

Bio- Technology

under the Faculty of

December 2012

was this day admitted to the Degree.

held in the month of

୨୦୧୨ ମସିହା ଡିସେମ୍ବର

ମାସରେ ଅନୁଷ୍ଠିତ

ବିଜ୍ଞାନ ଓ ପ୍ରଯୁକ୍ତି ବିଦ୍ୟା

ବିଭୂଷଣ ଉପାଧି ପରୀକ୍ଷାରେ

ଜୈବ ପ୍ରଯୁକ୍ତି

ରେ ଉତ୍ତୀର୍ଣ୍ଣ

ରୁକ୍ମିଣୀ ମିଶ୍ର

ଙ୍କୁ ଅବଦାନ ଏହି ଉପାଧି ପ୍ରଦତ୍ତ ହେଲା ।

Vani Vihar, Bhubaneswar,  
Odisha, India.  
The 15<sup>th</sup> February 2015

Rukmini Mishra

Vice-Chancellor

# Utkal University

No. 001066

## UTKAL UNIVERSITY

DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph.D.)

This is to certify that

**SAGARIKA PARIDA**

Who passed the examination for the degree of,

**DOCTOR OF PHILOSOPHY**

**BOTANY**

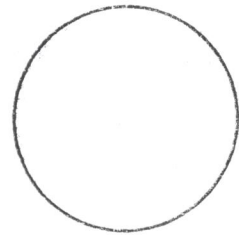
held in the

**JUNE**

**2002**,

was this day

admitted to the degree.



UTKAL  
UNIVERSITY  
VANI VIHAR  
BHUBANESWAR.

The 26th November 2003

.....

*(Signature)*  
Vice-Chancellor

୦୮୨୬ ୧୧ ୨୦୦୩

ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

ବିଭୂଷଣ ଉପାଧି ପତ୍ର

୨୦୦୨..... ମସିହା..... ୧୧..... ମାସରେ ଅନୁଷ୍ଠିତ

ବିଜ୍ଞାନ..... ବିଭୂଷଣ

ଉପାଧି ପରୀକ୍ଷାରେ..... ଉତ୍ତୀର୍ଣ୍ଣ ବିଜ୍ଞାନ..... ଉପେକ୍ଷା

ସାଗରିକା ପରିଡା.....

ଅନ୍ୟ ଏହି ଉପାଧି ପ୍ରଦତ୍ତ ହେଲା ।

ଉତ୍କଳ  
ବିଶ୍ୱବିଦ୍ୟାଳୟ  
ବାଣୀ ବିହାର  
ଭୁବନେଶ୍ୱର

ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

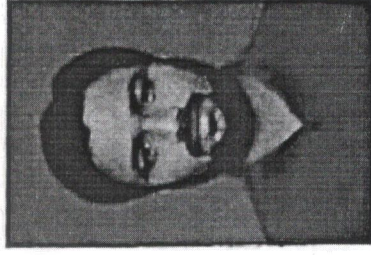
୧୧୧୧



中国农业科学院研究生院  
GRADUATE SCHOOL OF CHINESE ACADEMY OF AGRICULTURAL SCIENCES

# Graduation Certificate for Doctoral Students

SUTAR SUHAS BHARAT, male, born on July 13, 1987, has enrolled in the program of Biochemistry and Molecular Biology from September 2014 to August 2020. He has completed all the required courses satisfactorily and defended his dissertation successfully. This is to certify his Doctor graduation.



Graduate School of Chinese  
Academy of Agricultural Sciences

President: 

Date of Issue: August 31, 2020

Certificate No.: 821019202001000053





478

Sl. No.....

Token No. .... 34 .....

Dated..... 10.01.2018 .....


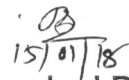
UTKAL UNIVERSITY  
VANI VIHAR, BHUBANESWAR-751004

## PROVISIONAL CERTIFICATE


This is to certify that ... Arun Kumar Pradhan

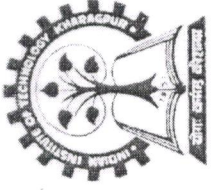
.....  
Regd. No. 03 - Chemistry - 2013-14 is declared  
to be qualified for the award of Ph.D. /  
B.Litt. / D.Se. in Chemistry

.....  
Examination held in the  
year ..... 2018 ..... from Utkal University,  
Vani Vihar, Bhubaneswar.

Written By  15-01-2018  
Checked By  15/01/18

  
Section Officer

 16/1/18  
Dy. Controller of  
Examinations



# INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

upon the recommendation of the Senate hereby confers the degree of

**Doctor of Philosophy**

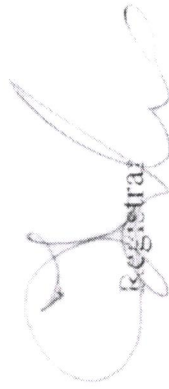
on

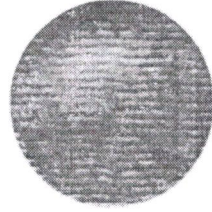
**ASHISH KUMAR SAHOO**

in recognition of the research work on

***Elemental and Binary Semiconducting Nanomaterials of Diverse Morphology: Synthesis and Application***

Given under the seal of the Institute at Kharagpur on the Twenty Sixth day of July, Two Thousand and Fourteen

  
Registrar



  
Director

*Ashish Kumar Sahoo*



Sl. No. 670  
Roll No. 167  
Date 22.2.2019

UTKAL UNIVERSITY  
VANI VIHAR, BHUBANESWAR-751004

### PROVISIONAL CERTIFICATE

This is to certify that Alia Arora  
.....  
.....  
Regd. No. 05-Environmental Science-2012-2015  
to be qualified for the Bachelor of Ph.D. /  
B.L.H. / B.Sc. in Environmental Science  
.....  
..... Examination held in the  
year 2019 from Utkal University,  
Vani Vihar, Bhubaneswar

Written By MM  
23.2.2019

Checked By R.P.  
23.2.19

Section Officer [Signature]  
23/2/19

[Signature]  
23/2/19  
Examinations

Xerox copy  
Alia Arora 25/02/19



**Sambalpur University**

ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ



**DOCTOR OF PHILOSOPHY**

**This is to Certify that**

**Dojalisa Sahu**

*having passed the examination for the degree of*

**Doctor of Philosophy**

*in Chemistry, under the Faculty of Science and Technology field in  
the month of April, 2014, was this day admitted to the degree.*

JYOTI VIHAR, BURLA  
ODISHA, INDIA

The 19th August, 2015

Vice-Chancellor



# Indian Institute of Technology Madras

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

**PRATAP KUMAR CHHOTARAY**

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

**STUDY ON THERMOPHYSICAL PROPERTIES OF AMMONIUM AND LACTAM  
BASED PROTIC IONIC LIQUIDS AND THEIR MIXTURE WITH MOLECULAR  
SOLVENTS AND SACCHARIDES**

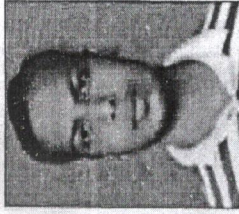
*Given this day the Twentyfourth of July, 2015  
under the seal of the Institute.*



*B. V. S.*  
Registrar

*B. V. S.*  
Director

*B. V. S.*  
Chairman, Board of Governors



CY11D026

*Self attested  
Pratap K Chhotaray*



# National Institute of Technology Rourkela

Upon the recommendation of the Senate,  
hereby confers the degree of  
**Doctor of Philosophy**

on

*Shraban Kumar Sahoo*

who has successfully defended the thesis entitled  
*“Novel Graphene Oxide based Nanocomposites: Synthesis and  
Application towards Adsorptive Removal of Toxic Inorganic/Organic  
Pollutants from Aqueous Media”*

and has fulfilled all other requirements  
for the degree in the Department of  
*Chemistry.*

Given this day, under the seal of the Institute  
at Rourkela in the Republic of India,  
the 18<sup>th</sup> Day of January 2020.



*S.K.*  
Registrar

*Shraban Kumar Sahoo*

*A.K.*  
Director

भारतीय प्रौद्योगिकी संस्थान दिल्ली

प्रक्रिया संख्या/Entry No. 2006CVZ8096

अभिपद की अनुप्रासा पर  
विद्या वाचस्पति  
की उपाधि एतद्वारा  
श्रीकान्त साहू  
को प्रदान करता है।

योग-प्रदाय सोवक : डिजाइन, सिन्थेसिस, आयन-बाधित-गैर-पेवड संकेत-असंबन्धिता विवेचियर ऑफ ट्राइएजोल-बेसड मॉलिक्यूलस।  
भारतीय गणराज्य के अन्दरगत दिल्ली में आज, दिनांक 28 अक्टूबर 2012 को संस्थान की मुद्रा अंकित यह उपाधि दी गई।

ज्ञानियन संस्थानि के अधिकाधिकारि मेलिनि


अपुन तिपे रेकमेन्डेशन ऑफ तिपे सेनेटि हेरेशु कौफेस तिपे डेग्रेस ऑफ

अडिरेक ऑफ अडिलसोफि

ऑर

SRIKANTA SAHU

Thesis title : DESIGN, SYNTHESIS, ION-BINDING AND SELF-ASSEMBLING BEHAVIOR OF TRIAZOLE-BASED MOLECULES.  
Given this day, the 28<sup>th</sup> of October 2012, under the seal of the Institute at Melini in the Republic of India.

  
अडिरेक, अडिलसोफि अडिलसोफि  
अडिलसोफि, अडिलसोफि अडिलसोफि

  
अडिलसोफि अडिलसोफि अडिलसोफि  
अडिलसोफि अडिलसोफि, अडिलसोफि

  
अडिलसोफि  
अडिलसोफि



# Utkal University

No. 001200

## UTKAL UNIVERSITY

DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph.D.)

*This is to certify that*

**SUSANTA KUMAR BISWAL**

*Who passed the examination for the degree of,*

**DOCTOR OF PHILOSOPHY**

**CHEMISTRY**

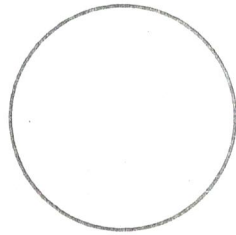
*held in the*

**NOVEMBER**

**2003**

*, was this day*

*admitted to the degree.*



**UTKAL  
UNIVERSITY  
VANI VIHAR  
BHUBANESWAR.**

**15th December 2003**

*The .....*

*[Signature]*  
Vice-Chancellor

## ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

ବିଭୂଷଣ ଉପାଧି ପତ୍ର

୨୦୦୩ ..... ମସିହା ..... ନଭେମ୍ବର ..... ମାସରେ ଅନୁଷ୍ଠିତ

ବିଜ୍ଞାନ ..... ବିଭୂଷଣ

ଉପାଧି ପରୀକ୍ଷାରେ ..... ଉପାଧି ବିଜ୍ଞାନ ..... ରେ ଉତ୍ତୀର୍ଣ୍ଣ

ସୁଶାନ୍ତ କୁମାର ବିଶ୍ୱାଳ

ଅବଧି ଏହି ଉପାଧି ପ୍ରଦତ୍ତ ହେଲା ।

ଉତ୍କଳ  
ବିଶ୍ୱବିଦ୍ୟାଳୟ  
ବାଣୀ ବିହାର  
ଭୁବନେଶ୍ୱର

୦୧ ୧୫ ୧୨ ୨୦୦୩

*[Signature]*

କୁଳପତି

5801100308

# UTKAL UNIVERSITY

HONOURS DIPLOMA FOR BACHELOR OF SCIENCE



## ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

ଏମ୍.ଏ. ଏଫ୍. ସ୍ୱତନ୍ତ୍ର ବିଭାଗ ପଠକ୍ରମ ପଢ଼ା

I hereby certify that

**KAMAL KUMAR BARIK**

of **GODAVARISH MAHAVIDYALAYA, BANPUR**

is duly qualified for the degree of

**BACHELOR OF SCIENCE**

of **2006**

held in the month of

**APRIL 2006**

**WITH FIRST CLASS HONOURS IN ZOOLOGY**

was this day admitted to the Degree.

### SUBJECTS OF EXAMINATION :

COMPULSORY	ENGLISH	M.I.L (ORIYA)
	INDIAN SOCIETY AND CULTURE	
	ENVIRONMENTAL STUDIES	
PASS HONOURS	INDUSTRIAL FISH AND FISHERIES	
	ZOOLOGY	
MAJOR ELECTIVE	CHEMISTRY	
MINOR ELECTIVE	MATHEMATICS AND STATISTICS FOR BIOLOGY STUDENTS	

ଏମ୍.ଏ. ଏଫ୍. ସ୍ୱତନ୍ତ୍ର ବିଭାଗ  
 ଶେଷାବସ୍ଥା ମହାବିଦ୍ୟାଳୟ, ବନପୁର  
 ଅନୁକ୍ରମ ୨୦୦୬  
 ସ୍ୱାଧୀନ ବିଭାଗ  
 ପ୍ରଥମ ଶ୍ରେଣୀରେ  
 ଏମ୍.ଏ. ଏଫ୍. ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ  
 ପଢ଼ା ମଧ୍ୟ ପରୀକ୍ଷା ପ୍ରଦାନ କରାଯାଇଛି ।  
 ପରୀକ୍ଷା ବିଷୟ :  
 କମ୍ପଲ୍ସରୀ  
 ଇଂରାଜୀ  
 ଇଣ୍ଡିଆନ ସୋସାଇଟି ଏବଂ କଲଚର  
 ଇଣ୍ଡିଆନ ସୋସାଇଟି ଏବଂ କଲଚର  
 ପାସ୍ ହୋନର୍ସ  
 ଇଣ୍ଡିଆନ ସୋସାଇଟି ଏବଂ କଲଚର  
 ଇଣ୍ଡିଆନ ସୋସାଇଟି ଏବଂ କଲଚର  
 ମାଜର ଇଲେକ୍ଟିଭ୍  
 କେମିଷ୍ଟ୍ରି  
 ମାଇନର ଇଲେକ୍ଟିଭ୍  
 ମାଥେମାଟିକ୍ସ ଏବଂ ଷ୍ଟାଟିଷ୍ଟିକ୍ସ ଫର ବାୟୋଲୋଜି ଷ୍ଟୁଡେଣ୍ଟସ୍



UTKAL UNIVERSITY  
 Vice-Chancellor  
 23 DEC 2006  
 12 JUL 2006  
 13rceta  
 VICE-CHANCELLOR

ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ  
 ଶେଷାବସ୍ଥା, ବନପୁର,  
 ଉତ୍କଳ, ଓଡ଼ିଶା  
 ଡି. ୧୨ ଜୁଲାଇ ୨୦୦୮

*Kamal Kumar Barik*



**INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY  
BHUBANESWAR**



*Upon the recommendation of the Senate,  
hereby confers the degree of*

**Doctor of Philosophy**

in

**Computer Science and Engineering**

on

*Figlu Mohanty*

*who has completed the course of studies as prescribed  
under the Regulations and successfully defended the thesis titled*

*"Towards Development of Computer-aided Diagnosis Frameworks for Digital  
Mammogram Classification"*

*on 26th May 2020*

*Given this day, under the seal of the Institute at Bhubaneswar in  
the Republic of India, the 19th February 2021*

PHOTO COPY

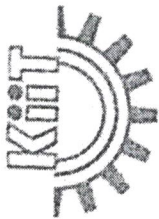


*(Ajit Kumar Das)*  
Registrar

*Figlu Mohanty*

*(Gopal Krishna Nayak)*  
Director

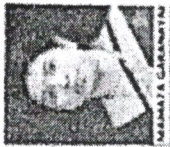
No. - PHD2100039



# KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY

DEEMED TO BE UNIVERSITY, BHUBANESWAR-24

(Decld. U/S 3 of the UGC Act, 1956)



Upon recommendation of the Board of Management hereby confers the Degree of



## DOCTOR OF PHILOSOPHY

in

Computer Science & Engineering

on

**MAMATA GARANAYAK**



who has successfully completed the courses of study in the year 2021 as prescribed under the regulations

The title of the thesis being "A COMPREHENSIVE STUDY OF RECOMMENDATION SYSTEMS ON DIFFERENT DOMAINS"

Given under the seal of Kalinga Institute of Industrial Technology, Deemed to be University in the Republic of India on the

Fourteenth day of August Two Thousand Twenty One

Registrar

Vice - Chancellor





Centurion  
UNIVERSITY

Serial No: 047/Ph.D

**CENTURION UNIVERSITY OF  
TECHNOLOGY AND MANAGEMENT, ODISHA**

*(Estd. Vide Odisha Act 4 of 2010 & u/s 2 (f) of UGC Act, 1956)*

**Provisional Certificate**

*This is to Certify that*

**Mr. SANGRAM KESHARI SWAIN**

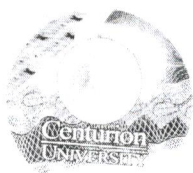
*is qualified for the award of  
Degree of Doctor of Philosophy by Research  
for the thesis*

*"BIG DATA ANALYTICS FOR FREQUENT TEXT PATTERN  
AND UNSUPERVISED FEATURE LEARNING."*

*in*

**THE FACULTY OF ENGINEERING**

**in the year 2019**



Deputy Director  
(Examinations)



PROVISIONAL

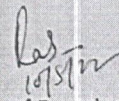
Notification No. 2013 / E.C-III

Dated 10/5/22

It is hereby notified for information of all concerned that the following persons, who had submitted thesis on the topic noted against each have been found after examination qualified for the award of the degree of Doctor of Philosophy in the faculty mentioned against each:-

Sl. No.	Name of the candidate	Title of the thesis	Name of the guide	Faculty	Subject
1.	Ms. Sasmita Kumari Nayak Regd. No.- 173/2016/CSE	"MULTIPROCESSOR SCHEDULING USING NATURE INSPIRED OPTIMIZATION"	Dr. Chandra Sekhar Panda, Asso. Professor & Head, Dept. of Computer Science, Sambalpur University	Science & Technology	Computer Science Engineering
2.	Ms. Madhusmita Mishra Regd. No.- 33/2014N/Education	"SELF CONCEPT AND ACADEMIC ACHIEVEMENT OF SC, ST AND GENERAL CASTE STUDENTS OF RURAL AND URBAN SECONDARY SCHOOLS"	Dr. Pandaba Behera, Reader in Education Panchayat College Bargarh- 768028	Pedagogical Science	Education
3.	Ms. Bharati Jani Regd. No.- 110/2013N/Education	"EFFECT OF STRESS ON OCCUPATIONAL SELF-EFFICACY JOB SATISFACTION AND ORGANIZATIONAL EFFECTIVENESS OF PRIMARY SCHOOL TEACHERS"	Prof. Uttamkanti Jena, Professor in Education, R.N.I.A.S.E., Cuttack, Sahebzada Bazar, Chandini Chowk Cuttack- 753002	Pedagogical Science	Education

This notification is effective from 09.05.2022. The degree will be conferred on the scholar in the next Convocation of this University.

  
Controller of Examinations

Memo No. 2014 / E.C-III

Dated 10/5/22

Copy forwarded for information and necessary action to:-

1. Dr. Chandra Sekhar Panda, Asso. Professor & Head, Dept. of Computer Science, Sambalpur University.
2. Dr. Pandaba Behera, Redaer in Education, Panchayat College, Bargarh- 768028.
3. Prof. Uttamkanti Jena, Professor in Education, R.N.I.A.S.E., Cuttack, Sahebzada Bazar, Chandini Chowk, Cuttack- 753002.
4. Ms. Sasmita Kumari Nayak, C/o: Dr. Chandra Sekhar Panda, Asso. Professor & Head, Dept. of Computer Science, Sambalpur University
5. Ms. Madhusmita Mishra, C/o: Dr. Pandaba Behera, Redaer In Education, Panchayat College, Bargarh- 768028.
6. Ms. Bharati Jani, C/o: Prof. Uttamkanti Jena, Professor in Education, R.N.I.A.S.E., Cuttack, Sahebzada Bazar, Chandini Chowk, Cuttack- 753002.

P.T-D

No. PRD2100055



**KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY**  
DEEMED TO BE UNIVERSITY, BHUBANESWAR-24  
(Decld. U/S 3 of the UGC Act, 1956)

Reg. No. - 13373231064



Upon recommendation of the Board of Management hereby confers the Degree of



**DOCTOR OF PHILOSOPHY**

in

**Computer Science & Engineering**

on

**SHREELA DASH**

who has successfully completed the courses of study in the year 2021 as prescribed under the regulations  
The title of the thesis being "Investigation and Analysis of High Capacity Information Hiding Techniques in Spatial Domain"

Given under the seal of Kalinga Institute of Industrial Technology, Deemed to be University in the Republic of India on the  
Fourteenth day of August Two Thousand Twenty One

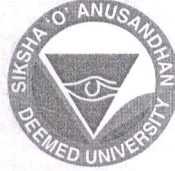
Registrar

Vice - Chancellor

To verify the authenticity of this certificate visit : [www.kiit.ac.in](http://www.kiit.ac.in)



13CSGP3695



Regd. No. : 1061012008

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University Declared U/S 3 of the UGC Act, 1956)

Bhubaneswar, Odisha, India.

Accredited by NAAC with 'A' Grade

upon the recommendation of the Academic Council  
hereby confers the degree of

**Doctor of Philosophy**

on

**Sujata Chakravarty**

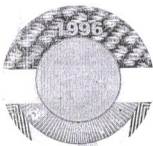
who has fulfilled the requirements for the degree as prescribed under  
the regulations and successfully defended in October, 2012,  
the thesis entitled :

**"Mining Financial Time Series**

**Databases using Machine Intelligence and**

**Evolutionary Computing Techniques".**

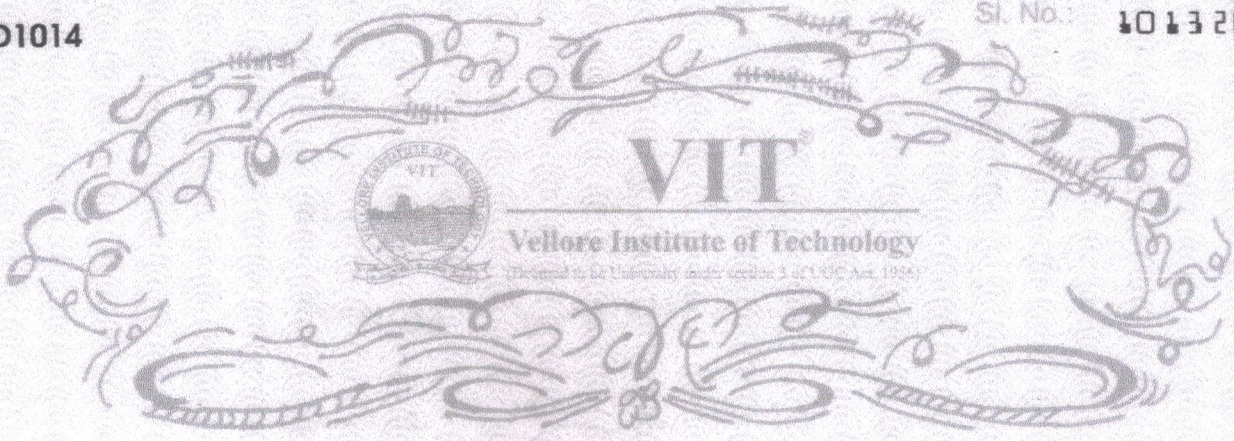
Given on this day, under the seal of the University  
at Bhubaneswar, the 19th day of April, 2014.



Date : 19th April, 2014

*R. Jyothanty*  
Vice - Chancellor

*Sujata Chakravarty*



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

**CHANDRA SEKHAR DASH**

*the degree of*

**DOCTOR OF PHILOSOPHY**

*in recognition of the research work entitled*

**Design and Fabrication of Memristor for Non-Volatile Memory Applications**

*for having fulfilled the prescribed requirements.*

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



*given this day the 10 September 2019*



*Given under the seal of this university*

Vice - Chancellor

Chancellor

Dated: 29-Oct-2019

Vellore - 632 014, Tamil Nadu, India

*Chandra Sekhar Dash*



IIIT Bhubaneswar  
Imagine. Innovate. Inspire.

PROVISIONAL CERTIFICATE

**Chinmayee Dora**

identified by Registration Number : **C115004**

in the Batch 2015-19

has successfully completed the prescribed requirements

for the degree of

**Doctor of Philosophy**

in

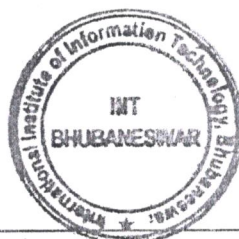
**Electronics and Telecommunication  
Engineering**

She has successfully defended her thesis in the viva-  
voce examination held on 02/07/2020.

The title of the PhD Thesis is "Development of Efficient  
Algorithms for Artifact Removal from Single Channel  
EEG"

Date: 15th July 2020

No. : IIIT-Bh/PhD/2015/004



DEAN (Academics)

Dr. R. C. BALABANTARAY  
DEAN (ACADEMICS)  
IIIT BHUBANESWAR

*Chinmayee Dora*

International Institute of Information Technology Bhubaneswar  
(A University established by the Government of Odisha)  
Gothapatna PO Malipada Bhubaneswar - 751 003 India  
Email: dean@iiit-bh.ac.in Web: www.iiit-bh.ac.in

Provisional Certificate



THIS IS TO CERTIFY THAT

**HARISH CHANDRA MOHANTA**

HAVING FULFILLED ALL OBLIGATIONS AND PRESCRIBED CONDITIONS  
WAS ADMITTED TO THE DEGREE OF

**DOCTOR OF PHILOSOPHY**

BY DEAKIN UNIVERSITY ON 22 JUNE 2021



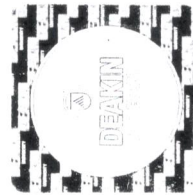
CHANCELLOR

---



VICE-CHANCELLOR

---



386043



The qualification is recognised within the Australian Qualifications Framework.





## Department of Electrical and Electronics Engineering

Birla Institute of Technology, Mesra, Ranchi - 835215 (India)

www.bitmesra.ac.in

April 12, 2021

### Certificate of Examination

This is to certify that Mr. Amit Kumar Sahoo, Roll No. PHD/EE/10003/2014 has successfully defended his Ph.D. viva-voce examination on the Thesis entitled "*Development of Computational Intelligence based Algorithms for Control and Identification of Maglev System*" on 12/04/2021 in the Department of Electrical and Electronics Engineering at Birla Institute of Technology, Mesra, Ranchi, India.

---

Dr. Bidyadhar Subudhi  
IIT Goa  
External Examiner

---

Dr. S. K. Mishra  
Member & Guide

---

Prof. (Dr.) S. Chakraborty  
Chairman, Ex-officio  
Head of the Department



# BIRLA INSTITUTE OF TECHNOLOGY

MESRA - 835215, RANCHI, INDIA

GRADE REPORT  
SESSION: 2014-2015 MO/14

ROLL NO. : PHD/EE/10003/14  
NAME : AMIT KUMAR SAHOO

PROGRAMME : Ph.D  
SEMESTER : Pre Ph.D

COURSE CODE	COURSES	CREDIT(S)	GRADE	CREDIT POINTS
MEE1103	ADVANCED DIGITAL SIGNAL PROCESSING	3	A+	27.0
MEE1119	CONTROL SYSTEM DESIGN	3	A	24.0
MEE5002	RESEARCH METHODOLOGY	3	A	24.0
MEE5004	LITERATURE REVIEW IN THE DOMAIN OF RESEARCH	3	A	24.0
MEE5006	SOFT & EVOLUTIONARY COMPUTING TECHN.	3	A	24.0

Total Credit Points : 123.0

Total Credits : 15.0

S.G.P.A. : 8.20

Special remarks, if any:

Examination held in : NOV-2014

Result Published on : 11.11.2015

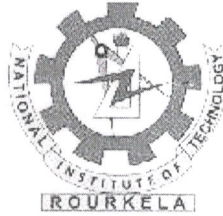
Tabulator

Checked By

Controller of Examinations

Notes:

- (1) Full Marks for One Course = 100
  - (2) Grade Ex (90 and above) : 10.00 pts. per credit  
Grade A (70 to 79 marks) : 8.00 pts. per credit  
Grade B (50 to 59 marks) : 6.00 pts. per credit  
Grade D (20 to 39 marks) : 4.00 pts. per credit  
Grade A+ (80 to 89 marks) : 9.00 pts. per credit  
Grade B+ (60 to 69 marks) : 7.00 pts. per credit  
Grade C (40 to 49 marks) : 5.00 pts. per credit  
Grade F (00 to 19 marks) : 0.00 pt. per credit
  - (3) To earn academic credit in a course a student should get a grading of 'B' or above
  - (4) F\* Grade is awarded in case of attendance is falling short and earns 0.00 pt. per credit
  - (5) Medium of Instruction and Examination is ENGLISH
- \*\* Ph.D : DOCTOR OF PHILOSOPHY



14/1509/512EE1019



# National Institute of Technology Rourkela

Upon the recommendation of the Senate,  
hereby confers the degree of  
**Doctor of Philosophy**

on

*Rajendra Kumar Khadanga*

who has successfully defended the thesis entitled  
*"Performance Analysis of Flexible A.C. Transmission System Devices  
for Stability Improvement of Power System"*

and has fulfilled all other requirements  
for the degree in the Department of  
*Electrical Engineering.*

Given this day, under the seal of the Institute  
at Rourkela in the Republic of India,  
the 21<sup>st</sup> Day of January 2017.



Registrar

Director

*Rajendra Kumar Khadanga*

Roll No. 514EE6032



PROVISIONAL

**NATIONAL INSTITUTE OF TECHNOLOGY  
ROURKELA**

*This is to certify that*

**SUDHANSU KUMAR SAMAL**

*has successfully defended the thesis entitled*

**"Estimation of Low-Frequency Oscillations Using Wide-Area Monitoring  
in Power System"**

*on May 29, 2020*

*and has fulfilled all the requirements for the degree of*

**DOCTOR OF PHILOSOPHY**

*in the department of*

**Electrical Engineering**

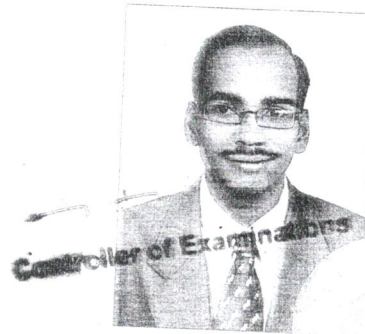
*on Jun 02, 2020*

Rourkela  
Date : Jun 03, 2020

Dean(Academic)  
**DEAN (Academic)**  
National Institute of Technology  
ROURKELA-769008 (INDIA)

For verification of contents, please log on to institute website [www.nitrkl.ac.in](http://www.nitrkl.ac.in)

The English and Foreign Languages University  
(A Central University established by an Act of Parliament)  
Hyderabad 500 007, India



This is to certify that

*Mr. Ajit Kumar Pradhan*

having completed the course of study prescribed by the University  
and having fulfilled the stipulated requirements by examination and  
by thesis is hereby awarded the degree of

**DOCTOR OF PHILOSOPHY**

in

*English (English Language Education)*

Dated 08-03-2016

Registrar

Vice-Chancellor

Reg. No. : 0001

Sl. No. 00036

ద్రావిడ విశ్వవిద్యాలయం ద్రావిడ  
 திராவிடப் பல்கலைக்கழகம் டிராவிட விசுவவித்யாலயம்  
 DRAVIDIAN UNIVERSITY



Srinivasavanam, Kuppam - 517425, Andhra Pradesh, India.

### Faculty of Arts

*This is to Certify that*

*Biswanandan Dash*

*Son/Daughter of Bibekananda Dash*

*has been certified by duly appointed Examiners  
to be qualified to receive the Degree of*

**Doctor of Philosophy in Linguistics**

*and has been admitted to that Degree*

*with effect from 01-09-2014*

**DEPARTMENT OF STUDY : DRAVIDIAN & COMPUTATIONAL LINGUISTICS**

**TITLE OF THE THESIS : "GLOBALISATION AND ITS IMPACT ON PROFESSIONAL  
ENGLISH COMMUNICATION BY THE TECHNICAL  
UNDERGRADUATES"**

**Degree has been awarded in accordance with the UGC (MINIMUM STANDARDS AND  
PROCEDURE FOR AWARDS OF M.PHIL/PH.D. DEGREE), REGULATION, 2009.**

*Given under the Seal of the University*

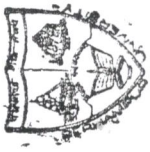
*Dated : 22-12-2014*



*[Signature]*  
Vice-Chancellor

# BERHAMPUR UNIVERSITY

BHANJA BIHAR, BERHAMPUR-760007, GANJAM (ODISHA)



## PROVISIONAL CERTIFICATE

This is to certify that

PRADEEP KUMAR SAHOO

has been declared qualified for the award of

~~B. Litt./Ph.~~ **B. A.** degree in LINGUISTICS

of this university vide Berhampur University  
notification no. 08/EC-II (M. PHIL/PH. D) Dt. 01-01-2021.

TITLE OF THE THESIS : "ASSESSING THE LANGUAGE PROFICIENCY AMONG ESL COLLEGE  
STUDENTS OF ODISHA".

*A. K. Saha*  
19.01.21  
CONTROLLER OF EXAMINATIONS  
BERHAMPUR UNIVERSITY

Serial No. PHD

026

Registration No. 2009/DR/0031



## भारतीय खनि विद्यापीठ

का कार्यकारी बोर्ड  
शैक्षणिक परिषद् की अनुशंसा पर एतद् द्वारा  
गीतम कुमार महतो  
को विद्या वाचस्पति की उपाधि  
शोध प्रबंध शीर्षक



मग्नेटोहाइड्रोडायनामिक फ्लो एंड हीट ट्रान्सफर इन रोटेटिंग  
एंड नॉन-रोटेटिंग मीडिया

तत् सम्बन्धित समस्त प्रतिष्ठा, विशेषाधिकारों एवं दायित्वों से युक्त भारतीय गणराज्य के अन्तर्गत धनबाद में  
इस संस्थान की मुद्रांकित उपाधि दिनांक 8 मई 2013 को प्रदान करता है।

The Executive Board  
of The

**Indian School of Mines**

Upon the Recommendation of the Academic Council hereby Confers on

**GOUTAM KUMAR MAHATO**

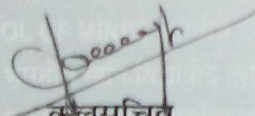
**The Degree of Doctor of Philosophy  
on the Research Title**

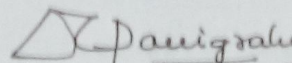
**MAGNETOHYDRODYNAMIC FLOW AND HEAT TRANSFER IN ROTATING  
AND NON-ROTATING MEDIA**

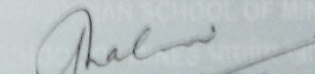
*With all the Honours, Privileges and Obligations thereunto pertaining*

Given on the 8th May 2013

*under the seal of the Institute at Dhanbad in the Republic of India.*

  
कुलसचिव  
Registrar

  
निदेशक एवं अध्यक्ष, शैक्षणिक परिषद्  
Director & Chairman, Academic Council

  
अध्यक्ष, कार्यकारी बोर्ड  
Chairman, Executive Board





Upon recommendation of the Board of Management hereby confers the Degree of



**DOCTOR OF PHILOSOPHY**

in

**Mathematics**

on

**MOHAMMED SIDDIQUE**



who has successfully completed the courses of study in the year 2019 as prescribed under the regulations

The title of the thesis being "TIME SERIES ANALYSIS AND FORECASTING OF FINANCIAL STOCK MARKET USING SOME HYBRID MACHINE LEARNING BASED OPTIMIZATION MODELS"

Given under the seal of Kalinga Institute of Industrial Technology, Deemed to be University in the Republic of India on the

Ninth day of November Two Thousand Nineteen

Registrar

Vice - Chancellor

Registration No: 180506152001

Serial No: 094/Ph.D



Centurion  
UNIVERSITY  
*Shaping Lives...  
Empowering Communities...*

# CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, ODISHA

(Estd. Vide Odisha Act 4 of 2010 & u/s 2 (f) of UGC Act, 1956)

## Provisional Certificate

*This is to Certify that*

**Mr. SASI BHUSAN PADHI**

*is qualified for the award of*

***Degree of Doctor of Philosophy by Research***

***for the thesis***

***"MAGNETOHYDRODYNAMIC NANOFUID FLOW OVER  
A STRETCHABLE MELTING SURFACE WITH HEAT  
TRANSFER."***

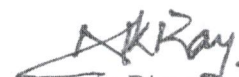
*in*

**MATHEMATICS**

**in the year 2021**



Dated : 30th December, 2021

  
Deputy Director  
(Examinations)



Regn. No. : 1161022015

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University Declared U/S 3 of the UGC Act, 1956)

Bhubaneswar, Odisha, India.

Accredited by NAAC with 'A' Grade

upon recommendation of the Academic Council  
hereby confers the degree of

**Doctor of Philosophy**

on

*Swarnalata Jena*

who has fulfilled the requirement for the degree as prescribed under  
the regulations and successfully defended in April, 2017,  
the thesis entitled :

**"Study on Viscous and Viscoelastic Flows and Heat Transfer."**

Given on this day, under the seal of the University  
at Bhubaneswar, Odisha, India.



Date : 29th April, 2017

*Baroto*  
Vice Chancellor

Roll No. :



# Utkal University

## ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

023786

### DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph.D)

*This is to certify that*

**TUMBANATH SAMANTARA**

*has been this day admitted to the degree of*

**DOCTOR OF PHILOSOPHY**

*in Mathematics under the faculty of*

**Science & Technology**

ବିଭୂଷଣ ଯୋଗ୍ୟତା ପତ୍ର

ଅଦ୍ୟ ଏହି ସମାବର୍ତ୍ତନ ଉତ୍ସବରେ ବିଜ୍ଞାନ ଓ ପ୍ରଯୁକ୍ତି ବିଦ୍ୟା କ୍ଷେତ୍ରରେ

ବିଭୂଷଣ ଉପାଧି ତୁମ୍ଭନାଥ ସାମନ୍ତରାଙ୍କୁ

ଗଣିତ ବିଷୟରେ ପ୍ରଦତ୍ତ ହେଲା ।

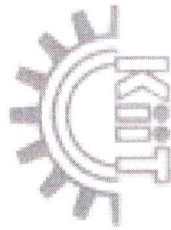
Date : 3rd February 2017

Utkal University  
Vani Vihar, Bhubaneswar,  
Odisha, India.



*Acedm*  
Vice-Chancellor

*Tumbanath Samantara*



# KIT UNIVERSITY

(Declared deemed to be University under section 3 of the UGC Act, 1956)

BHUBANESWAR

Upon recommendation of the Academic Council hereby confers the Degree of

## DOCTOR OF PHILOSOPHY

in

Management

on

**Ansuman Jena**

who has successfully completed the courses of study in the year 2013 as prescribed under the regulations

The title of the thesis being "CUSTOMER PREFERENCE IN THE VIRTUAL RETAIL ENVIRONMENT – AN EMPIRICAL STUDY ABOUT ONLINE SHOPPING IN INDIA"

Given under the seal of KIT University in the Republic of India on the sixteenth day of November two thousand thirteen

  
REGISTRAR

  
VICE-CHANCELLOR

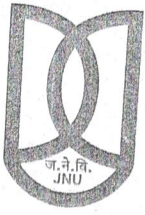
  
CHANCELLOR

  
Ansuman Jena  
26-11-2013

S. No. : 101909

Notification No. : 218/P/2015

Enrolment No. EDS5/08/018



जवाहरलाल नेहरू विश्वविद्यालय  
नई दिल्ली  
Jawaharlal Nehru University  
New Delhi

(CENTRE FOR DEVELOPMENT STUDIES)

Upon the recommendation of the Academic Council

hereby confers the Degree of

**DOCTOR OF PHILOSOPHY**

On *Bibhunandini Das*

who has successfully completed in the year 2015 the requirements prescribed under the Ordinance for the award of this degree.

Title of the Thesis:

*"Diffusion of Information and Communication Technologies : Evidence from Indian Agriculture"*

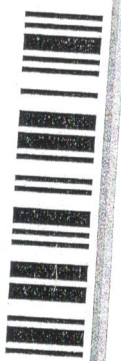
Given this day under the seal of the University at New Delhi in the Republic of India.

The 01 MAY 2015

*Bibhunandini Das*

  
Registrar

  
Vice-Chancellor



SI.No. : 2015467



# Utkal University

ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph.D.)

ବିଭୂଷଣ ଉପାଧି ପତ୍ର

GIRIRAJ NANDINI GOURI PRASANNA

This is to certify that

who passed the Examination for the degree of

## Doctor of Philosophy

in Business Administration under the Faculty of Business Studies & Management

held in the month of May 2014 was this day admitted to the Degree.

୨୦୧୪ ମସିହା ମଇ ମାସରେ ଅନୁଷ୍ଠିତ ବ୍ୟବସାୟ ଓ ପରିଚାଳନା ବିଦ୍ୟା ବିଭୂଷଣ ଉପାଧି ପତ୍ର ପ୍ରାପ୍ତ ହେଇଥିବାରୁ ଏହି ଉପାଧି ପ୍ରଦାନ କରାଯାଉଅଛି।

Vani Vihar, Bhubaneswar,  
Odisha, India.  
The 21<sup>st</sup> February 2015

*(Handwritten Signature)*  
11-8-2015

**Alex Dm**  
Vice-Chancellor



# Fakir Mohan University



0172621

**DIPLOMA FOR DOCTOR OF PHILOSOPHY (P.H.D.)**

**ବିଭୂଷଣ ଉପାଧି ପତ୍ର**

This is to certify that

**PRAMOD KUMAR PATJOSHI**

୨୦୧୩ ମସିହା ମଇ ମାସରେ ପରୀକ୍ଷା

who passed the examination for the degree of

କାର୍ଯ୍ୟକ୍ରମ ବିଭାଗରେ ବିଭୂଷଣ ଉପାଧି ପରୀକ୍ଷାରେ

**DOCTOR OF PHILOSOPHY**

ବ୍ୟବସାୟ ପରିଚାଳନା ଶାସ୍ତ୍ର ବିଭାଗରେ

in **MANAGEMENT**

ପ୍ରଥମେ ପ୍ରଥମ ଶ୍ରେଣୀରେ ପାଠ୍ୟପୁସ୍ତକରେ

held in the month of **MAY, 2013**

was this day admitted to the degree.

ଅବଶ୍ୟକୀୟତା ପୂର୍ବକ ଉପାଧି ପ୍ରଦାନ କରାଯାଇଛି

Fakir Mohan University  
Vyasa Vihar, Balasore, Odisha

The 21st April, 2013

  
Vice-Chancellor



ପ୍ରମୋଦ କୁମାର ପାଟ୍‌ଜୋଶି  
ପଦ ବିଧିରେ ପଦାଧିକାରୀ

ତା. ୨୧/୦୪/୨୦୧୩ ଡି.ଏ.







RAVENSHAW UNIVERSITY  
CUTTACK

/ 2008 Dt... 25.7.08

938/177/MGT

No. Exam. Ph.D/

From

The Controller of Examinations  
Ravenshaw University, Cuttack

To

**Prasant Kumar Mohanty**  
**Plot No-48 , Road No. 03**  
**Dibya Vihar, Samantarapur**  
**Old Town, Bhubaneswar, 751002**

Sub : Ph.D/ D.Se/ D.Litt. Registration

Ref : Your application dated **21.04.2008** (For the year 2007-08)

Sir/Madam,

This is to inform you that you have been permitted to register yourself for the Ph.D/ D.Se/ D.Litt. Examination in the subject **Management** under the guidance of **Dr. B. P. Mohapatra & Dr. Tapan Kumar Panda**. The name of the topic is **"BULLWHIP EFFECT IN SUPPLY OF GROCERY PRODUCTS IN INDIAN MARKET"**.

1. You can submit your Ph.D/D.Se/D.Litt thesis after completion of 2 years from the date of Registration
  - a) Provided you have submitted progress report to the Controller of Examinations duly forward by the Supervisor every six months.
  - b) Provided you have at least two publications in Refereed Journal.  
In exceptional cases the Vice-Chancellor may permit submission of thesis six months earlier.
2. You are required to submit the thesis within a period of 10(TEN) years from the date of registration failing which it will be treated as cancelled.
3. Your Registration No. for the Ph.D/ D.Se/ D.Litt Examination is **09-MGT- 2007-08**
4. Your place of research work is **PG Department of Commerce, Ravenshaw University, Cuttack**
5. Your date of registration is **25.07.2008**
6. However renewal of the registration will be required after completion of 6 years from the date of registration. The first renewal will have the duration of 2 years and subsequent renewals will be for one year only. The candidate can not avail renewal for more than three times.
7. At least six months prior to the date of submission of the thesis you are required to inform the Controller of Examinations through your supervisor in writing the expected date of submission of your thesis.
  - a) You are required to quote the registration number while corresponding with the University in this regard.
  - b) You are required to keep this letter preserved with you to be deposited at the time of submission of thesis.
8. In case of D.Sc/ D.Litt a candidate shall submit his/her thesis along with at least three new published papers relating to his/her topic of research, in refereed journals after registration. A certificate as regards reputed journal be given by the supervisor or the candidate in case of self guide.

N.B : Your B.D/B.D/Challan No. **184276** dated **06.01.2008** for Rs.**1000.00**

Yours faithfully,

CONTROLLER OF EXAMINATIONS

Dated... 25.7.08

938/178/MGT (4)  
Memo No. Exam.Ph.D/

/2008

Copy forwarded to :-

1. **Dr. B. P. Mohapatra, Reader in Commerce, Ravenshaw University, Cuttack**
2. **Dr. Tapan Kumar Panda, Professor of Marketing, IIM, Pigdamber, RAU, Indor-453331(MP)**
3. **The HOD of Commerce, Ravenshaw University**
4. **Dealing Assistant, Ph.D Examination, Ravenshaw University for information and necessary action.**

CONTROLLER OF EXAMINATIONS



1122

Sl. No. ....  
Token No. 322  
Dated 20-4-2018

UTKAL UNIVERSITY  
VANI VIHAR, BHUBANESWAR-751004

## PROVISIONAL CERTIFICATE

This is to certify that Sabyasachi Dey

.....  
Regd. No. 19-Bus Admn. - 2013-2014 is declared  
to be qualified for the award of Ph.D. /  
~~D.Litt~~ / ~~D.Sc.~~ in Business Administration  
.....  
Examination held in the  
year 2018 from Utkal University,  
Vani Vihar, Bhubaneswar.

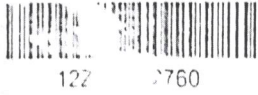
lw  
21-4-2018  
Written By

Deey  
23-4-18  
Checked By

[Signature]  
23/4/2018  
Section Officer

[Signature]  
23/4/18  
Dy. Controller of  
Examinations

Dr. Sabyasachi Dey  
02/07/2018.



Regn. No. : 1271333019

## SIKSHA 'O' ANUSANDHAN

(Deemed to be University)

Bhubaneswar, Odisha, India.

Accredited by NAAC with 'A' Grade

upon recommendation of the Academic Council  
hereby confers the degree of

**Doctor of Philosophy**

on

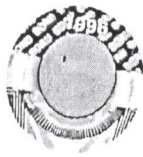
*Sisir Ranjan Dash*

who has fulfilled the requirement for the degree as prescribed under  
the regulations and successfully defended in November, 2018  
the thesis entitled :

**"Implications of Globalization on Financial Integration  
of Indian Economy with the Developed and Emerging  
Economies - A Cointegration Approach"**

for the research conducted under the  
Faculty of Management Sciences

Given on this day, under the seal of the University  
at Bhubaneswar, Odisha, India.



Date : 1st February, 2019

*[Signature]*  
Vice Chancellor

The Board of Trustees of the  
**Asian Institute of Technology**  
On the Recommendation of the Council of Faculty Examiners  
Has Conferred Upon

SMITA MISHRA PANDA

The Degree of  
**Doctor of Philosophy**

With all of its Privileges and Obligations  
Given this Twelfth day of December 1996

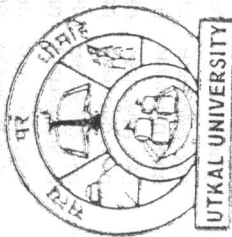


*Deepa Reddy*  
President of the Institute

*Binay Kumar*  
Chairman of the Board



Sl.No.:0000030



# ଉତ୍କଳ ୟୁନିଭରସିଟି

ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph.D.)

ବିଭୂଷଣ ଉପାଧି ପତ୍ର

SUSANTA KUMAR MISHRA

This is to certify that

who passed the Examination for the degree of

Doctor of Philosophy

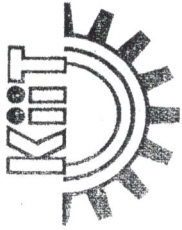
in Business Administration field in the month of September-2010 was this day admitted to the Degree.

90୧୦ ମସିହା ସେପ୍ଟେମ୍ବର ମାସରେ ଅନୁଷ୍ଠିତ ପରିଚାଳନା ବିଭୂଷଣ ଉପାଧି ପରୀକ୍ଷାରେ

ବ୍ୟବସାୟ ପ୍ରଶାସନ ରେ ଉତ୍ତୀର୍ଣ୍ଣ ସୁଶାନ୍ତ କୁମାର ମିଶ୍ର ଙ୍କୁ ଅନ୍ୟ ଏହି ଉପାଧି ପ୍ରଦତ୍ତ ହେଲା ।

Vani Vihar, Bhubaneswar,  
Odisha, India.  
The 26th March, 2011

Vice-Chancellor



# KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY

DEEMED TO BE UNIVERSITY, BHUBANESWAR-24

(Decld. U/S 3 of the UGC Act, 1956)



Upon recommendation of the Board of Management hereby confers the Degree of



## DOCTOR OF PHILOSOPHY

in

Electrical Engineering

on

**SUSHMITA DAS**



*Sushmita Das*



who has successfully completed the courses of study in the year 2018 as prescribed under the regulations

The title of the thesis being "SOME STUDIES ON APPLICATION OF COMPUTATIONAL TECHNIQUES TO IMPROVE THE ENERGY PERFORMANCE OF A BUILDING"

Given under the seal of Kalinga Institute of Industrial Technology, Deemed to be University in the Republic of India on the

Tenth day of November Two Thousand Eighteen

*Sushmita Das*  
Registrar

*John*  
Vice - Chancellor



Centurion  
UNIVERSITY  
*Shaping Lives  
Empowering Communities*

Serial No: 069/Ph.D

**CENTURION UNIVERSITY OF  
TECHNOLOGY AND MANAGEMENT, ODISHA**

*(Estd. Vide Odisha Act 4 of 2010 & u/s 2 (f) of UGC Act, 1956)*

**Provisional Certificate**

*This is to Certify that*

**Ms. SWETALINA MISHRA**

*is qualified for the award of  
Degree of Doctor of Philosophy by Research  
for the thesis*

**"A STUDY ON COMPETENCY MAPPING OF  
EMPLOYEES OF POWER SECTOR IN ODISHA."**

*in*

**THE FACULTY OF MANAGEMENT**

**in the year 2021**



*Swetalina Mishra.*

*AkRay.*  
Deputy Director  
(Examinations)

CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, ODISHA



Centurion  
UNIVERSITY

Shaping Lives...  
Empowering Communities...

(Estd. Vide Odisha Act 4 of 2010 & u/s 2 (f) of UGC Act, 1956)

This is to certify that

UMAKANTA NAYAK

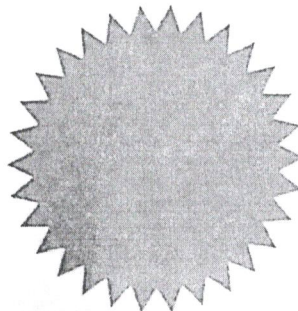
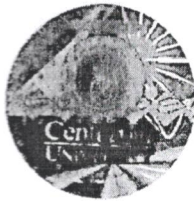
was admitted to the Degree of

Doctor

of

Philosophy

on the 1<sup>st</sup> day of December in the year 2018



*Hanibamphu Panda*

Vice Chancellor

Dated: 1<sup>st</sup> December, 2018



# Indian Institute of Technology, Madras



*hereby confers the degree of*

**Doctor of Philosophy**  
*of the Institute*

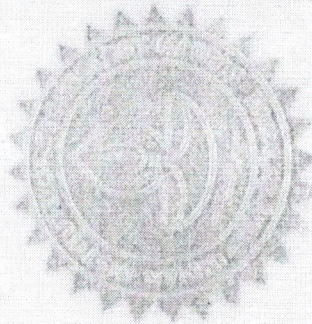
*on*

**ARDHENDUMOULI MOHANTY**

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

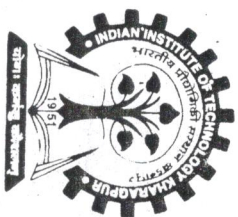
**STUDY OF SILICON, MANGANESE REACTIONS AND  
OXYGEN CONTENT IN SUBMERGED ARC WELDING  
USING FUSED FLUXES**

*Given this day the Ninth of August 1991  
under the seal of the Institute.*



*V. Gan.*  
Registrar

*D. S. Srinivasan*  
Chairman Board of Governors



# INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

upon the recommendation of the Senate hereby confers the degree of

**Doctor of Philosophy**

on

**Dillip Kumar Panigrahi**

in recognition of the research work on

***Parallel Sliding Lubricated Contact with Positive Deterministic Surface Textures***

Given under the seal of the Institute at Kharagpur on the Eighteenth day of December, Two Thousand and Twenty One

  
Registrar



  
Director

*Dillip Kumar Panigrahi*

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR  
KHARAGPUR - 721302

**PROVISIONAL CERTIFICATE**

*for the degree of*

**Doctor of Philosophy (Ph.D.)**

*Certified that Hari Om Verma of the Department of AEROSPACE ENGINEERING*

*has successfully completed all the prescribed requirements for the degree of Ph.D. of the Institute.*

*The date of the Ph.D. Viva-Voce examination is 05-12-2020*

*The title of the Ph.D. thesis is*

***Parameter Estimation of Aircraft using Extreme Learning Machine based Algorithms***

*This certificate is issued this day, the December 15, 2020, with the approval of the authorities.*



**Superintendent (PGS & R)**



**Joint Registrar (Academic) / Assistant Registrar (PGS&R)**

Joint Registrar (Academic)  
IIT Kharagpur.

**Note : Validity of this certificate will expire after the degree is awarded in the next convocation.**

*Hari Om Verma*  
15/12

Roll No. 516ME1002

PROVISIONAL



**NATIONAL INSTITUTE OF TECHNOLOGY  
ROURKELA**

*This is to certify that*

**KRISHANU GANGULY**

*has successfully defended the thesis entitled*

**"Modelling and Analysis of Various Issues in Viscoelastic Composite**

**Rotors"**

*on Dec 06, 2021*

*and has fulfilled all the requirements for the degree of*

**DOCTOR OF PHILOSOPHY**

*in the department of*

**Mechanical Engineering**

*on Dec 21, 2021*

Rourkela  
Date : Dec 23, 2021

*G. Jena*  
*24-12-2021*  
*ATC*  
Dean(Academic)  
**DEAN (Academic)**  
National Institute of Technology  
ROURKELA-769008 (INDIA)

For verification of contents, please log on to institute website [www.nitrkl.ac.in](http://www.nitrkl.ac.in)

*Krishanu Ganguly*



IIIT Bhubaneswar  
Imagine. Innovate. Inspire.

PROVISIONAL CERTIFICATE

**Mukundjee Pandey**

identified by Registration Number : **C115008**

in the Batch 2015-19

has successfully completed the prescribed requirements

for the degree of

**Doctor of Philosophy**

in

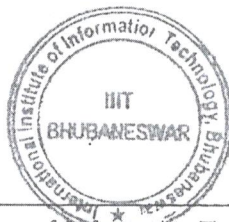
**Mechanical Engineering**

He has successfully defended his thesis in the viva-voce examination held on 11/01/2022.

The title of the Ph.D. Thesis is “Design Modification and Development of Solar Parabolic Trough Collector with Low Temperature Thermodynamic Cycle and its Waste Heat Recovery”

Date: 1<sup>st</sup> February 2022

No. : IIIT-Bh/PhD/2015/008



DEAN (Academics)  
Dr. R. C. BALABANTARAY  
DEAN (ACADEMICS)  
IIIT BHUBANESWAR



# National Institute of Technology Rourkela

Upon the recommendation of the Senate,  
hereby confers the degree of

**Doctor of Philosophy**

on

*Ramesh Chandra Mohanty*

---

who has successfully defended the thesis entitled  
*“Damping of Layered and Jointed Beams  
with Riveted Joints”*

and has fulfilled all other requirements  
for the degree in the Department of  
*Mechanical Engineering*

Given this day, under the seal of the Institute  
at Rourkela in the Republic of India,  
the 15th Day of January 2011.

Registrar

Director

# SIKSHA 'O' ANUSANDHAN

(DEEMED TO BE UNIVERSITY)

Re-Accredited by NAAC with 'A' Grade

BHUBANESWAR, ODISHA



## PROVISIONAL CERTIFICATE

**ASHIRBAD NANDA**

Registration No :1581606002

has completed all the prescribed requirements and possesses the proficiency for the award of the degree of

**Doctor of Philosophy**

having successfully defended the thesis entitled

**“Formulation Development of Amlodipine for Improved Ocular Delivery and its Influence on some Pharmacological Activities”**

for the research conducted under the

**Faculty of Pharmaceutical Sciences**

(School of Pharmaceutical Sciences)

in the year 2022



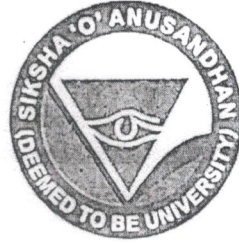
Date: **08 JAN 2022**

**CONTROLLER OF EXAMINATIONS**

# SIKSHA 'O' ANUSANDHAN

(DEEMED TO BE UNIVERSITY)  
Re-Accredited by NAAC with 'A' Grade  
BHUBANESWAR, ODISHA

P. Five



## PROVISIONAL CERTIFICATE

**CHANDAN DAS**

Registration No :1581606004

has completed all the prescribed requirements and  
possesses the proficiency for the award of the degree of

**Doctor of Philosophy**

having successfully defended the thesis entitled

**“ Development of Quality Control Parameters for Standardization  
of In-House and Marketed Balarista Formulations ”**

for the research conducted under the

**Faculty of Pharmaceutical Sciences**

(School of Pharmaceutical Sciences

in the year 2021



Date: 20 DEC. 2021

  
CONTROLLER OF EXAMINATIONS





பாரதியார் பல்கலைக் கழகம்  
Bharathiar University

அறிவியல் புலம்  
FACULTY OF SCIENCE

பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு.  
மம்தா, 2015 ஆம் ஆண்டு, செப்டம்பர் 18 ஆம் நாளில் உயிர் அறிவியல் என்னும் பிரிவில்  
ஆய்வியல் அறிஞர் என்னும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகக் சான்றளித்ததை,  
ஏற்று. அவருக்கு அந்தப் பட்டத்தைப் பல்கலைக் கழக இலச்சியையுடன்.  
பாரதியார் பல்கலைக் கழக ஆட்சிக் குழு வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby makes known that MAMTA  
has been admitted to the Degree of DOCTOR OF PHILOSOPHY in LIFE SCIENCE,  
having been certified by duly appointed Examiners to be qualified to receive the same on 18th SEPTEMBER 2015.

Given under the Seal of the University.



மம்தா  
2015.09.18



சோயம்புத்தூர்  
Coimbatore  
9088458  
நாள்

Dated: 7th February 2017

Controller of Examinations

தேர்வாளர்  
A.R.L.C

Registrar(I/c)

பதிவாளர்(பொ)

Vice-Chancellor

துணைவேந்தர்  
Jemurais

# BERHAMPUR UNIVERSITY

BHANJA BIHAR, BERHAMPUR-760007, GANJAM (ODISHA)



## PROVISIONAL CERTIFICATE

This is to certify that

NIBEDITA NAYAK

has been declared qualified for the award of  
B.A./Bh. D. degree in PHYSICS  
of this university vide Berhampur University  
notification no. 3026/Exam. Conf. Unit-II Dt. 08-08-2018

TITLE OF THE THESIS VLSI IMPLEMENTATION OF DISCRETE WAVELET TRANSFORM.

W. S. P.  
CONTROLLER OF EXAMINATIONS  
BERHAMPUR UNIVERSITY

# भारतीय प्रौद्योगिकी संस्थान मुंबई

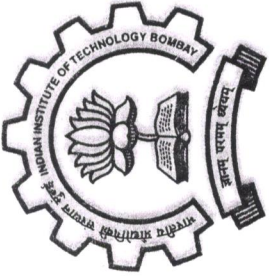
पद्मजा पटनायक

को एतद्वारा

विद्या वाचस्पति

की उपाधि प्रदान करता है।

अभिषद 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 10 अगस्त, 2013 को दी गई है।



## Indian Institute of Technology Bombay

upon recommendation of the Senate hereby confers the degree of

**Doctor of Philosophy**

on

**Padmaja Patnaik**


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

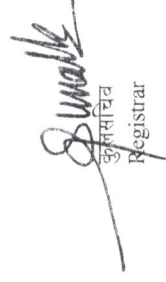
“Study of Defect States in Silicon Carbide”.

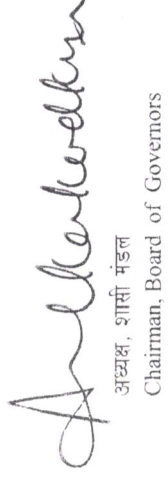
Given this day, under the seal of the Institute at Mumbai in the Republic of India, the 10th day of August 2013.

Photocopy  
attested  
Bhubaneswar 10/8/13

GEOLOGIST  
Directorate of Geology  
Bhubaneswar Office

  
अध्यक्ष, अभिषद  
Chairman, Senate

  
कुलसचिव  
Registrar

  
अध्यक्ष, शासी मंडल  
Chairman, Board of Governors

Book No.—

SAMBALPUR  UNIVERSITY

Provisional Certificate

Serial No.— 63


Regn. No. 22/2015 N/  
PHYSICS

This is to certify that Shri/Smt. Santosh K. Satpathy

has qualified himself/herself for the award of the degree of **DOCTOR OF  
PHILOSOPHY** in Science (physics)

Faculty. with effect from 28th April 2017.

Dated 04.05 2017

  
ASSISTANT CONTROLLER OF  
EXAMINATIONS

Santosh m. Satpathy

# Sambalpur University

ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ



## DOCTOR OF PHILOSOPHY

This is to Certify that

**Saubhagyalaxmi Behera**

*having passed the examination for the degree of*

**Doctor of Philosophy**

*in Physics, under the Faculty of Science and Technology field in the month of July, 2014, was this day admitted to the degree.*

JYOTI VIHAR, BURLA  
ODISHA, INDIA

The 19th August, 2015

Vice-Chancellor



Registration No. 11PH-PHY-006



Sl.No. : 1900080

# RAVENSHAW UNIVERSITY CUTTACK

## School of Physical Sciences

COPY

### ଶୁଭ୍ରରାଜ ପଣ୍ଡା

ରେଭେନ୍‌ସା ବିଶ୍ୱବିଦ୍ୟାଳୟ ଦ୍ୱାରା ଅନୁମୋଦିତ ପାଠ୍ୟକ୍ରମ ସମାପନପୂର୍ବକ  
୨୦୧୯ ମସିହା ଜାନୁୟାରୀ ମାସରେ ଅନୁଷ୍ଠିତ ପଦାର୍ଥ ବିଜ୍ଞାନ  
ବିଭାଗ ପରୀକ୍ଷାରେ ଉତ୍ତୀର୍ଣ୍ଣ ହୋଇଥିବାରୁ  
ଅନ୍ୟ ଏହି ଉପାଧି ପ୍ରଦାନ କରାଗଲା ।

ଉପାଧି

ବିଭାଗ, ପଦାର୍ଥ ବିଜ୍ଞାନ

## Subhraraj Panda

having completed the Ravenshaw University  
approved course of study and passed the examination

Doctor of Philosophy in Physics  
held in the month of January 2019  
has this day been admitted to this

Degree of

Doctor of Philosophy in Physics



Odisha ଓଡ଼ିଶା, ୨୦୧୯  
Date: 5 February, 2019

କୁଳପତି  
Vice-Chancellor

We, the Chancellor, Vice Chancellor and Members  
of the Court of the Gujarat University certify  
that the Degree of

Doctor of Philosophy  
( Science )

has been conferred on the thirtieth day of the  
month of March in the year one thousand nine  
hundred and ninety three at Ahmedabad, on  
Sarangi Subrata Suryamani who has been found  
duly qualified for the same.

In Testimony whereof are set the Seal of the  
said University and the Signature of the said  
Vice-Chancellor.



Vice-Chancellor.

Roll No. :



# Utkal University

## ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

000438

### DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph.D)

COPY

*This is to certify that*

**TAPAN DASH**

*has been this day admitted to the degree of*

**DOCTOR OF PHILOSOPHY**

*in Physics under the faculty of*

**Science & Technology**

ବିଭୂଷଣ ଯୋଗ୍ୟତା ପତ୍ର

ଅନ୍ୟ ଏହି ସମାବର୍ତ୍ତନ ଉତ୍ସବରେ ବିଜ୍ଞାନ ଓ ପ୍ରଯୁକ୍ତି ବିଦ୍ୟା କ୍ଷେତ୍ରରେ

ବିଭୂଷଣ ଉପାଧି ତପନ ଦାଶ କୁ

ପଦାର୍ଥ ବିଜ୍ଞାନ ବିଷୟରେ ପ୍ରଦତ୍ତ ହେଲା ।

Date : 16th February 2016

Utkal University  
Vani Vihar, Bhubaneswar,  
Odisha, India.

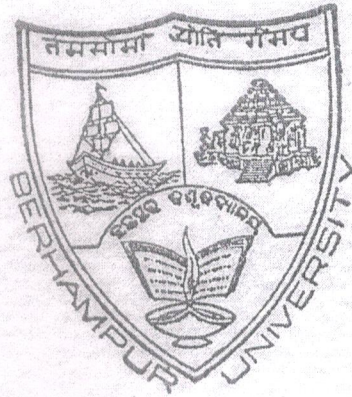


Tapan Dash  
02/07/2018

*A. C. D. M.*  
Vice-Chancellor



# Berhampur University



DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph. D.)

This is to certify that

*Amarendra Nath Ray*

who passed the examination

for the degree of

**DOCTOR OF PHILOSOPHY**

in *Botany*

held in the month of *Nov.*, 1983,

was this day admitted to the degree.

BERHAMPUR UNIVERSITY  
BERHAMPUR-7

The 16TH. JUNE, 1984.

*[Signature]*  
Vice-Chancellor.

Self  
Attested  
Date  
03/11/22

ENGLISH TRANSLATION

# Devi Ahilya Vishwavidyalaya, Indore



[Doctor of Philosophy]

Certified that Smt. Chhayabrita Biswas obtained  
the degree of **DOCTOR OF PHILOSOPHY**  
in Physics under the Faculty of  
Science in the year 2006

Title of Thesis "Electronic Structure  
Studies of Metals And  
Intermetallics."

Dated 06-06-2006

  
Vice-Chancellor

Date of issue  
19 8 JUL 2006



# Jodhpur University

*Certified that*

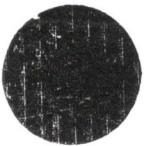
**Sri Dipankar Bhattacharyay**

was admitted to the Degree of **Doctor of Philosophy in Engineering** of this University on **25/06/2008** and that the degree was conferred on him / her at the Convocation held in December 2008 with all the Rights and Privileges thereto appertaining.

In Witness whereof the Signatures of the Chancellor and the Vice-Chancellor of **Jodhpur University** are herewith affixed.

**P. N. Sela**

Vice-Chancellor  
The 24th December, 2008



  
Chancellor

*S. Bhattacharyay*

# BERHAMPUR UNIVERSITY

BIHANJA BIHAR, BERHAMPUR-760007, GANJAM (ODISHA)



## PROVISIONAL CERTIFICATE

This is to certify that

CHINU BOHIDAR

has been declared qualified for the award of  
D. Litt./Ph. D. degree in JOURNALISM & MASS COMMUNICATION  
of this university vide Berhampur University  
notification no. 2666/EC-II (M. phil/Ph. D) 2020 Dt. 29-10-2020.

TITLE OF THE THESIS : AN EMPIRICAL STUDY ON THE IMPACT OF REALITY TV SHOWS  
ON TEENAGERS OF DWARKA, DELHI.

*A. G. Das*  
24.11.2020  
CONTROLLER OF EXAMINATIONS  
BERHAMPUR UNIVERSITY  
*NDY*

# Utkal University

No. 503

UTKAL UNIVERSITY

DIPLOMA FOR DOCTOR OF MEDICINE

This is to certify that

Dr. *Bachaspati Dash*

of *Sriam Chandra Bhanja Medical College, Cuttack*  
 who has passed the examination for the degree of

**DOCTOR OF MEDICINE**

in *Obstetrics & Gynaecology* in *May, 1997,*

was this day admitted to the degree.



ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

କେଉଁ କ୍ଷେତ୍ରରେ ଉଚ୍ଚତର ଉପାଧି ପାଇ

୧୯୯୭ ମସିହା ମାସ ମାସରେ ଅନୁଷ୍ଠିତ

ଡିପ୍ଲୋମା ବିଜ୍ଞାନ ପରୀକ୍ଷା

ପାସ କରି ଉପାଧି ପାଇ ଉପାଧି ପାଇଥିବା ବ୍ୟକ୍ତିଙ୍କର ନାମ ଓ ପଠାଯାଇଥିବା ବିଷୟ

ଡାକ୍ତରୀ ଓ ଗର୍ଭସୂଚି ବିଷୟରେ ପଠାଯାଇଥିଲା।

ଡାକ୍ତରୀ ବିଷୟରେ ପଠାଯାଇଥିଲା।

୧୯୯୭ ମସିହା ମାସ ମାସରେ ଅନୁଷ୍ଠିତ

ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

ରାଜ୍ୟ ବିଦ୍ୟାଳୟ

କଟକ

୧୯୯୭ ମସିହା ମାସ ମାସରେ ଅନୁଷ୍ଠିତ

୧୯୯୭

UTKAL UNIVERSITY

VAN VISHAY

Office: Secy. to Vice-Chancellor  
 UTKAL UNIVERSITY  
 CUTTACK  
 5 JUN 2005

*A. P. Dash*  
 Vice-Chancellor

*Bachaspati Dash*



12ZXDPJ2456



Regn. No. : 1271737007

# SIKSHA 'O' ANUSANDHAN

(Deemed to be University)

Bhubaneswar, Odisha, India.

Accredited by NAAC with 'A' Grade

upon recommendation of the Academic Council  
hereby confers the degree of

## Doctor of Philosophy

on

*Monali Priyadarsini Mishra*

who has fulfilled the requirement for the degree as prescribed under  
the regulations and successfully defended in April, 2018  
the thesis entitled :

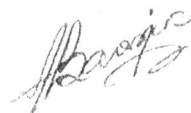
**"Phytochemical Evaluation and Antimicrobial  
Activities of some selected Timber Yielding  
Plants of Odisha"**

for the research conducted under the  
**Faculty of Pharmaceutical Sciences  
(Centre for Biotechnology)**

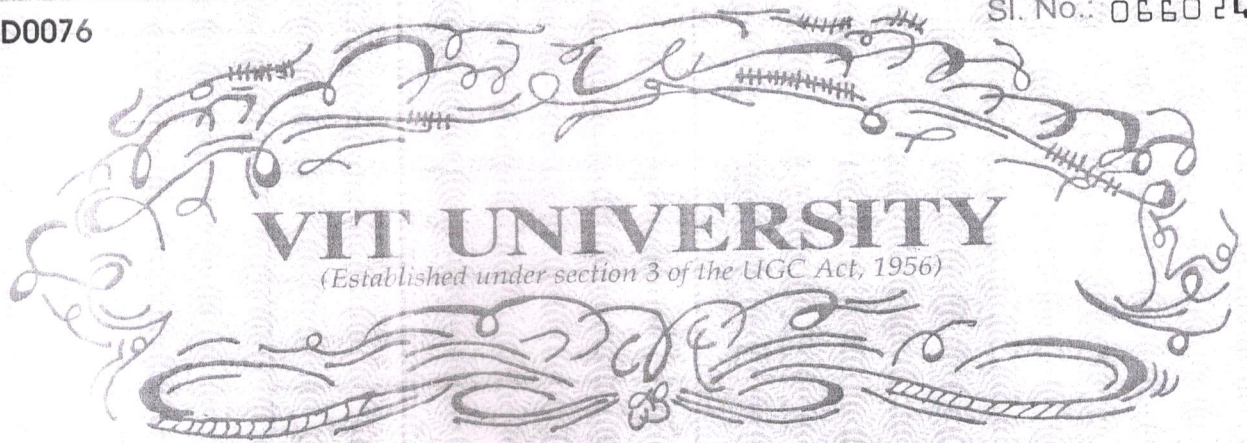
Given on this day, under the seal of the University  
at Bhubaneswar, Odisha, India.



Date : 29th September, 2018

  
Vice Chancellor

*Monali Mishra*  
01.08.2020



The Board of Management of the VIT University  
hereby confers on



**SOUMYA JAL**

*the degree of*

**DOCTOR OF PHILOSOPHY**

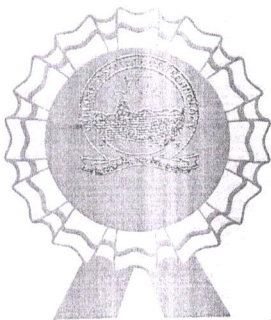
*in recognition of the research work entitled*

**STUDIES ON TETRODOTOXIN PROFILE OF PUFFER FISH AND ITS BACTERIAL ORIGIN  
FROM EASTERN PART OF INDIA**

*and for having fulfilled the prescribed requirements in the*

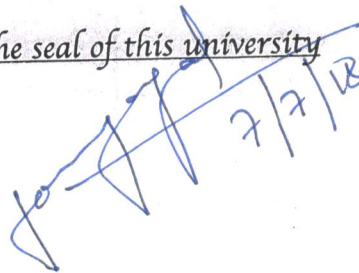
**School of Bio Sciences and Technology**

*given this day the 21 January 2016*



Given under the seal of this university

  
Vice - Chancellor



  
Chancellor



**Birla Institute of Technology & Science, Pilani**  
Pilani | Dubai | Goa | Hyderabad

**PROVISIONAL CERTIFICATE**

*This is to certify that **BIBHUDUTTA MISHRA** (2015PHXF0013G) has fulfilled the requirements of graduation and has become eligible for the award of the Degree **Ph.D.** during **SECOND SEMESTER 2020-2021.***

**Thesis Title:** *“Relating RNA and Protein Structure Variation with Pathogenicity and Screening for Small Molecules with Pan-Serotype Activity in Dengue: A Bioinformatics Study”*

Date: 29-Jun-2021

Place: **PILANI**

  
**REGISTRAR**

*C.R.P.2*

*Bibhudutta Mishra*  
23/07/2021



# Utkal University

No. 008830

## UTKAL UNIVERSITY

DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph.D.)

*This is to certify that*

.....**BIKASH RANJAN SAHU**.....

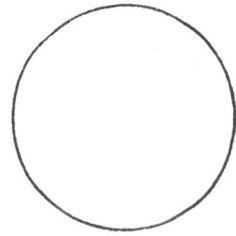
*Who passed the examination for the degree of,*

**DOCTOR OF PHILOSOPHY**

*in* .....**ZOOLOGY**..... *held in the*

*month of* ....**MAY**.....**2008**....., *was this day*

*admitted to the degree.*



**UTKAL  
UNIVERSITY  
VANI VIHAR  
BHUBANESWAR.**

*Bikash Sahu*

*[Signature]*  
Vice Chancellor

The ...**23rd** January...**2009**....

## ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

ବିଭୂଷଣ ଉପାଧି ପତ୍ର

.....୨୦୦୮..... ମସିହା ...ମଇ..... ମାସରେ ଅନୁଷ୍ଠିତ

.....ବିଜ୍ଞାନ..... ବିଭୂଷଣ

ଉପାଧି ପରୀକ୍ଷାରେ ...**ପ୍ରାଣୀବିଜ୍ଞାନ**..... ଉତ୍ତୀର୍ଣ୍ଣ

.....**ବିକାଶ ରଞ୍ଜନ ସାହୁ**..... କୁ

ଅବଧି ଏହି ଉପାଧି ପ୍ରଦତ୍ତ ହେଲା ।

ଉତ୍କଳ  
ବିଶ୍ୱବିଦ୍ୟାଳୟ  
ବାଣୀ ବିହାର  
ଭୁବନେଶ୍ୱର

ବିନାୟକ  
ପ୍ରଧାନ

୦୮ ୨୩/ ୦୧/ ୨୦୦୯



Centurion  
UNIVERSITY

Shri Jagadgurur  
Bhubaneswar, Odisha

Serial No: 072/Ph.D

**CENTURION UNIVERSITY OF  
TECHNOLOGY AND MANAGEMENT, ODISHA**

*(Estd. Vide Odisha Act 4 of 2010 & u/s 2 (f) of UGC Act, 1956)*

**Provisional Certificate**

*This is to Certify that*

**MR. GAGAN KUMAR PANIGRAHI**

*is qualified for the award of  
Degree of Doctor of Philosophy by Research  
for the thesis*

***"STUDIES ON POST-TRANSCRIPTIONAL  
REPROGRAMMING OF RESISTANCE GENES UPON  
PATHOGEN INFECTION IN ARABIDOPSIS THALIANA."***

*in*

**THE FACULTY OF ZOOLOGY**

**in the year 2021**



*AkRay*

Deputy Director  
(Examinations)



Centurion  
UNIVERSITY  
*Shaping Lives...  
Empowering Communities.*

Serial No: 085/Ph.D

**CENTURION UNIVERSITY OF  
TECHNOLOGY AND MANAGEMENT, ODISHA**

*(Estd. Vide Odisha Act 4 of 2010 & u/s 2 (f) of UGC Act, 1956)*

**Provisional Certificate**

*This is to Certify that*

**Mr. PRADIP KUMAR PRUSTY**

*is qualified for the award of  
Degree of Doctor of Philosophy by Research*

*for the thesis*

**"STUDIES ON EXPLOITATION OF SOME SELECTED FLOATING  
HYDROPHYTES IN THE TREATMENT OF WASTE WATER AND  
THEIR UTILIZATION IN VERMICOMPOSTING."**

**in**

**ZOOLOGY**

**in the year 2021**



  
Deputy Director  
(Examinations)

# Utkal University

No. 009116

## UTKAL UNIVERSITY

DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph.D.)

ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

ଡିପ୍ଲୋମା ଡକ୍ଟରାତର ପଦ୍ମ

*This is to certify that*

**SIBA PRASAD PARIDA**

Who passed the examination for the degree of,

DOCTOR OF PHILOSOPHY

in **ZOOLOGY** held in the

month of **DECEMBER** 2007, was this day

admitted to the degree.

..... ୨୦୦୭..... ମସିହା .. ଡିସେମ୍ବର..... ମାସରେ ଅନୁଷ୍ଠିତ

..... ବିଜ୍ଞାନ..... ବିଭାଗରେ

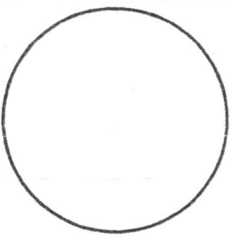
..... ଡକ୍ଟରାତର ପଦ୍ମ ପାଇଁ ପରୀକ୍ଷା

..... କରି ପ୍ରସାଦ ପରିଡ଼ା.....

ଅବଦାନ ହୋଇଥିବା ଦିନରେ ।

ଉତ୍କଳ  
ବିଶ୍ୱବିଦ୍ୟାଳୟ  
ବାଣୀ ବିହାର  
ଭୁବନେଶ୍ୱର

Siba Prasad Parida  
29/12/07



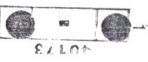
UTKAL  
UNIVERSITY  
VANI VIHAR  
BHUBANESWAR.

The... 23rd January... 2009....

*Signature*  
Vice Chancellor

୦୧ ୨୩/ ୦୧/ ୨୦୦୯

ବିନା ମହତ୍ତ୍ୱ ସ୍ୱୀକୃତି  
କରାଯାଏ





PROVISIONAL

**UTKAL UNIVERSITY  
VANI VIHAR, BHUBANESWAR**

Notification No. EC- VI / 2320-Biotech. / 1890 /2017,


Date: 09.11.17

**THE DEGREE OF DOCTOR OF PHILOSOPHY IN BIOTECHNOLOGY**

Sitaram Swain is declared to have qualified for the award of the Ph.D. Degree in Biotechnology. The title of the thesis is "CYTOGENETIC STUDY OF ACUTE LYMPHOBLASTIC LEUKEMIA IN PAEDIATRIC PATIENTS".

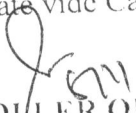
REGISTRATION NUMBER: 02-BIOTECHNOLOGY-2012-13.

University Office  
Vani Vihar  
Bhubaneswar-751004

  
CONTROLLER OF EXAMINATIONS

Memo No. EC- VI /2320-Biotech. / 1891 (12) /2017, Date: 09.11.17  
Copy forwarded to:

1. Sitaram Swain, AT-Kaithnagaḍia, P.O-Jamusahi, Dist-Nayagarh, Odisha-752069.
  2. Prof. Prafulla Kumar Mohanty, P.G. Dept. of Zoology, Utkal University, Vani Vihar, Bhubaneswar-4. (Guide and Chairman, Board of Examiners).
  3. Prof. Rabindra Nath Chatterjee, UGC Emeritus Fellow, 25 East Point, Haltu, Kasba, Kolkata-700078 (Examiner).
  4. Dr. M. Firoz Ahmad, 3D, Provat Tower, 71, Circular Road, Ranchi-834 001. (Examiner).
  5. The H.O.D. P.G. Dept. Of Biotechnology, Utkal University.
  6. The Commissioner-Cum-Secretary, Govt. of Odisha, Commerce & Transport (Commerce) Dept. Bhubaneswar.
  7. The Director of Printing, Publication, Stationeries, Odisha Govt. Press, Cuttack for favour of publication in the next issue of the Odisha Gazette.
  8. The Secretary, Association of Indian Universities, Rouse Avenue, New Delhi.
  9. The Editor, University News Association of Ind. Universities, 16 Kotla Marg, New Delhi.
  10. Dr. Youd Vir Singh, Library & Documentation Division, Association of Indian Universities, AIU House, 16-Comrade Indrajit Gupta (Kotla Marg) New Delhi-110002
  11. The Director, Higher Education, Odisha, Bhubaneswar for information.
  12. The S.O. Ex. I, IV, VII and Pub. Compliance Units for information and necessary action.
- The candidate has paid Rs.500/- towards Original Certificate vide Cash Unit Receipt No.142851, Dated 28.03.2017.

  
CONTROLLER OF EXAMINATIONS

Registration No: 180506182001

Serial No: 096/Ph.D



Centurion  
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**Provisional Certificate**

*This is to Certify that*

**Ms. SUNITA SATAPATHY**

*is qualified for the award of  
Degree of Doctor of Philosophy by Research  
for the thesis*

***"STUDIES ON EARTHWORM ACTIVITY, SOIL  
METABOLISM AND PLANT GROWTH WITH RESPECT  
TO INDUSTRIAL FLY ASH OF DISTRICT JHARSUGUDA,  
ODISHA, INDIA."***

*in*

**ZOOLOGY**

**in the year 2022**



Dated : 25th February, 2022

*Nkray*

Deputy Director  
(Examinations)