

# SUPPORTING DOCUMENTS FOR EXTENDED PROFILE

2.4.2 B



**SUBMITTED TO NAAC**

**BY**

**RAAJDHANI ENGINEERING COLLEGE,  
BHUBANESWAR**



## राजधानी इंजीनियरी कलेज RAAJDHANI ENGINEERING COLLEGE

(Managed by Samriddhi Educational Trust, Bhubaneswar, Odisha)  
Approved by AICTE, New Delhi and Affiliated to BPUT and SCITE & VT Govt.  
of Odisha. Accredited by "NAAC", Recognized by DCT, Govt. of India as SIRO  
Member of NDIL, IE (I), ISTE, VIP-NET Club, Government of India.

### 2.4.2B

#### Certificates of faculties with Ph. D

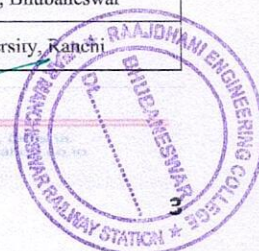


# राजधानी इंजीनियरी कलेज RAAJDHANI ENGINEERING COLLEGE

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## List of faculties with Ph. D

TIT LE	NAME	DEPARTMENT	DESIGN ATION	Year of award of Ph.D	Name of awardee University.
DR.	ASHOK KUMAR MISHRA	BASIC SCIENCE & HUMANITIES	Professor	2016	Berhampur University, Berhampur
DR.	ASITA KUMAR RATH	MECHANICAL ENGINEERING	Asst. Prof.	2018	SOA university, Bhubaneswar
DR.	BIDYUT PRAVA NAYAK	BASIC SCIENCE & HUMANITIES	Assoc. Prof.	2018	SOA university, Bhubaneswar
DR.	BIMAL SARANGI	MECHANICAL ENGINEERING	Professor	2003	Utkal University, Bhubaneswar
DR.	BISWA RANJAN PARIDA	BASIC SCIENCE & HUMANITIES	Professor	2018	Fakir Mohan University, Balasore
DR.	BISWONATH BISWAL	BASIC SCIENCE & HUMANITIES	Assoc. Prof.	2015	ACSIR
DR.	DEBASIS PANI	MASTERS IN BUSINESS ADMINISTRATION	Professor	2021	Berhampur University, Berhampur
DR.	HIMANSHU BHUSAN PANIGRAHY	BASIC SCIENCE & HUMANITIES	Professor	2013	Berhampur University, Berhampur
DR.	JULEE MARGARETTE SUTHI	COMPUTER SCIENCE & ENGINEERING	Professor	2021	Andhra University, Visakhapatnam
DR.	MEENASKHI SWAIN	BASIC SCIENCE & HUMANITIES	Professor	1983	Utkal University, Bhubaneswar
DR.	NABNIT PANIGRAHI	MECHANICAL ENGINEERING	Professor	2016	CUTM, Bhubaneswar
DR.	PADMA CHARAN TRIPATHY	CIVIL ENGINEERING	Professor	2013	ASIA Euniversity, Madurai
DR.	PRABHU PRASAD MISHRA	MECHANICAL ENGINEERING	Professor	2012	CMJ University, Meghalaya
DR.	PRANABA NANDA DAS	MASTERS IN BUSINESS ADMINISTRATION	Assoc. Prof.	2017	SOA university, Bhubaneswar
DR.	PRATAP CHANDRA MISHRA	COMPUTER SCIENCE & ENGINEERING	Professor	2015	Bundelkhand University, Jhansi
DR.	RAMESH CHANDRA RATH	MASTERS IN BUSINESS ADMINISTRATION	Professor	2000	Birla Institute of Technology, Mesra
DR.	RANJAN KISHORE MALLICK	MECHANICAL ENGINEERING	Assoc. Prof.	2017	Viswaseraya National Institute of Technology, Nagpur
DR.	RAVI NARAYAN PANDA	BASIC SCIENCE & HUMANITIES	Assoc. Prof.	2016	SOA university, Bhubaneswar
DR.	RITANJALI SETHY	MECHANICAL ENGINEERING	Professor	2017	Mondragon University, Spain
DR.	RUNU SAHU	BASIC SCIENCE & HUMANITIES	Professor	2016	Berhampur University, Berhampur
DR.	SACHI NANDAN MOHANTY	BASIC SCIENCE & HUMANITIES	Assoc. Prof.	2016	Indian Institute of Technology, Kharagpur
DR.	SANJAY KUMAR BEHERA	CIVIL ENGINEERING	Professor	2019	SOA university, Bhubaneswar
DR.	SASMITA JENA	ELECTRICAL ENGINEERING	Asst. Prof.	2022	SOA university, Bhubaneswar
DR.	SATYAJIT MOHANTY	ELECTRICAL ENGINEERING	Professor	2017	National Institute of Technology, ROURKELA
DR.	SOURAV DEBASISH	BASIC SCIENCE & HUMANITIES	Assoc. Prof.	2015	KIIT University, Bhubaneswar
DR.	SUSHANTA KUMAR SAHU	BASIC SCIENCE & HUMANITIES	Professor	2017	SOA university, Bhubaneswar
DR.	UMASANKAR DAS	MECHANICAL ENGINEERING	Assoc. Prof.	2019	Ranchi University, Ranchi





# राजधानी इंजीनियरी कलेज RAAJDHANI ENGINEERING COLLEGE

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DR	MONATISA PANDA	BASIC SCIENCE & HUMANITIES	Asst. Prof.	2018	Ravenshaw University, Cuttack
DR.	KHARABELA SWAIN	BASIC SCIENCE & HUMANITIES	Assoc. Prof.	2019	SOA university, Bhubaneswar
DR.	SASMITA PANI	COMPUTER SCIENCE & ENGINEERING	Assoc. Prof.	2019	Biju Patnaik University of Technology, Odisha
DR.	SRIKANTA KUMAR DASH	ELECTRICAL ENGINEERING	Assoc. Prof.	2020	KIIT University, Bhubaneswar
DR.	GURU PRASAD DASH	COMPUTER SCIENCE & ENGINEERING	Assoc. Prof.	2021	Sri Sri University, Bhubaneswar
DR.	PRIYADARSHAN MAHANA	MECHANICAL ENGINEERING	Professor	2021	National Institute of Technology, Jamsedpur
DR.	NEHA PRADHANI	BASIC SCIENCE & HUMANITIES	Asst. Prof.	2021	SOA university, Bhubaneswar
DR.	RAJESH KUMAR BEHERA	MECHANICAL ENGINEERING	Assoc. Prof.	2021	Biju Patnaik University of Technology, Odisha
DR.	SOMANATH MISHRA	ELECTRICAL ENGINEERING	Asst. Prof.	2021	Veer Surendra Sai University of Technology, Burla
DR.	SUBHENDU SEKHAR SAHU	ELECTRICAL ENGINEERING	Asst. Prof.	2021	Indian Institute of Technology, Dhanbad (Indian School of Mines)
DR.	UTTAM KUMAR PANIGRAHI	BASIC SCIENCE & HUMANITIES	Asst. Prof.	2021	Maharaja Sriram Chandra Bhanja Deo University, Baripada
DR.	ALEKH BALIARSINGH	BASIC SCIENCE & HUMANITIES	Asst. Prof.	2022	Utkal University, Bhubaneswar
DR	BIJAYA KUMAR KHAMARI	MECHANICAL ENGINEERING	Assoc. Prof.	2022	National Institute of Technology, ROURKELA
DR.	BISWAJIT MALLICK	BASIC SCIENCE & HUMANITIES	Asst. Prof.	2022	KIIT University, Bhubaneswar
DR.	DURJYODHAN SETHI	MECHANICAL ENGINEERING	Asst. Prof.	2022	National Institute of Technology, Agartala
DR.	MINASKHI MOHANTY	BASIC SCIENCE & HUMANITIES	Asst. Prof.	2022	KIIT University, Bhubaneswar
DR.	MANOJ KUMAR BISWAL	CIVIL ENGINEERING	Asst. Prof.	2022	National Institute of Technology, ROURKELA

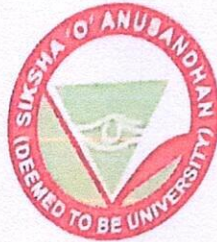
Principal  
Rajdhani Engineering College  
Bhubaneswar



# SIKSHA 'O' ANUSANDHAN

(DEEMED TO BE UNIVERSITY)

Has Accredited by UAC with 'A' Grade  
BHUBANESWAR, ODISHA



## PROVISIONAL CERTIFICATE

**ASITA KUMAR RATH**

Registration No :1581001047

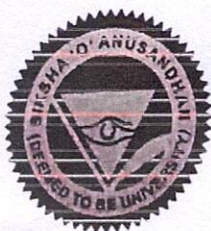
has completed all the prescribed requirements and  
possesses the proficiency for the award of degree  
of

**Doctor of Philosophy**

having successfully defended  
the thesis entitled :

**"Study of Gait Analysis and Path Planning of Humanoid Robot Using  
Artificial Intelligence Techniques".**

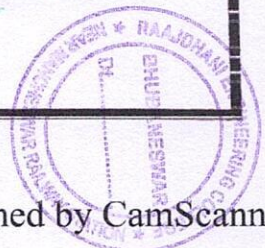
in the year 2018



Date: 31 DEC 2018

**CONTROLLER OF EXAMINATIONS**

Principal  
Rajdhani Engineering College  
Bhubaneswar





122XDP12472



Regn. No. : 1271091001

# 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

*Bidyut Prava Nayak*

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

**"Investigations Beyond the Standard Model:  
Neutrino Oscillation, Left - Right Symmetry, and  
Grand Unification"**

for the research conducted under the  
**Faculty of Engineering and Technology**  
(Department of Physics)

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



Date: 29th September, 2018

Vice Chancellor

*Signature*  
*Goel*

Principal  
Raajdhani Engineering College  
Bhubaneswar



# Utkal University

ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ



## UTKAL UNIVERSITY

DIPLOMA FOR DOCTOR OF PHILOSOPHY (PH.D.)

ଡି.ଫିଲ. ପଦ୍ଧତି

This is to certify that

**EUMAL SAIPANGI**

ନାମ ନିମ୍ନଲିଖିତ ଶିକ୍ଷା ପଦ୍ଧତି

Who passed the examination for the degree of,

**DOCTOR OF PHILOSOPHY  
ENGINEERING (MECHANICAL)**

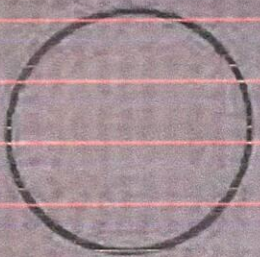
held in the

month of **SEPTEMBER** **2013** was this day

admitted to the degree.

ଅର୍ଥାତ୍ ଡି.ଫିଲ. ପଦ୍ଧତି ପାଇଁ

ଡି.ଫିଲ. ଶିକ୍ଷା ପଦ୍ଧତି ପାଇଁ



**UTKAL  
UNIVERSITY  
VAISH VIHAR  
BHUBANESWAR.**

ଉତ୍କଳ  
ବିଶ୍ୱବିଦ୍ୟାଳୟ  
ବାଇସି ବିହାର  
ଭୁବନେଶ୍ୱର

The **15th December 2013**

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*[Handwritten signature]*

*[Handwritten signature]*



# Fakir Mohan University

OFFICE FOR DEGREE OF PH.D. PROGRAM

ଢ଼ାଢ଼ା ପଠାପଠା ପଠା

0197331

This is to certify that  
DR. RAJESH K. SAHAI

who passed the examination for the degree of

**DOCTOR OF PHILOSOPHY**

in ECONOMICS

held on the month of DECEMBER, 2014

and this day advanced to the degree

ପଠା ପଠା ପଠା ପଠା ପଠା

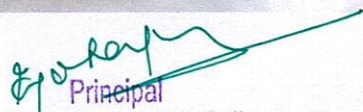
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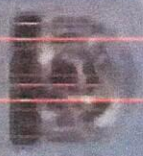


  
Principal

Raajdhani Engineering College  
Bhubaneswar

For more information  
Visit the Website  
www.fmu.edu

Office  
Raajdhani



0197331

0197331

Sl. No. 2015/10/104

**AcSyr**

वैज्ञानिक और नवीकृत अनुसंधान अकादमी

ACADEMY OF SCIENTIFIC AND INNOVATIVE RESEARCH

UPON THE RECOMMENDATION OF THE FACULTY

CERTIFIES THAT

*Mr. Biswonath Biswal*

WAS AWARDED THE DEGREE OF

DOCTOR OF PHILOSOPHY IN SCIENCE

ON 27.06.2015 IN RECOGNITION OF SCIENTIFIC ACCOMPLISHMENTS AND THE CAPABILITY TO CARRY ON RESEARCH AS  
DEMONSTRATED BY COMPLETION OF A THESIS BEARING THE TITLE

Rhodamine based luminescent probes for metal ion detection through FRET mediated signaling

AT CSIR-Institute of Minerals & Materials Technology, Bhubaneswar  
THE DEGREE WAS CONFERRED ON HIM ON 10<sup>th</sup> DECEMBER 2015.

*Biswajit Das*  
Director



*Biswajit Das*  
Chancellor



*Biswajit Das*  
Principal  
Raajdhani Engineering College  
Bhubaneswar

# BERHAMPUR UNIVERSITY

BHANJA BIHAR, BERHAMPUR-760007, GANJAM (ODISHA)




## PROVISIONAL CERTIFICATE


This is to certify that

DEBASIS PANI

has been declared qualified for the award of  
**B. Litt./Ph. D.** degree in Business Administration  
of this university vide Berhampur University  
notification no. 3818 / EC - II (M. Phil. / Ph. D.) 2021 Dt. 31-12-2021.

TITLE OF THE THESIS : "A Study on the Impact of Consumer Perception on Buying Behaviour Towards Tribal Handicrafts with Special Reference to KBK Districts of Odisha."

  
CONTROLLER OF EXAMINATIONS  
BERHAMPUR UNIVERSITY

  
Principal  
Raajdhani Engineering College  
Bhubaneswar



# Berhampur University



DOCTOR OF PHILOSOPHY

This is to certify that

*Hemansu Bhusan Panigrahy*

*having passed the examination*

*for the degree of*

DOCTOR OF PHILOSOPHY

*in faculty of Science (Environmental Science)*

*on the thesis "Studies on the effect of Environmental*

*Factors on Nitrogen Uptake & Assimilation*

*in the Red Seaweed Gracilaria Verrucosa*

*(Hudson) & Trappophycus Alvarazii (Doty)*

*(Doty ex. P. Silva"*

*held in the month of October, 2013,*

*was this day admitted to the degree.*

BERHAMPUR UNIVERSITY, BHAMIA BIRAN,  
BERHAMPUR-760 007

Dated the 13 AUG 2014

*[Handwritten marks]*

*[Signature]*  
Vice-Chancellor

*[Signature]*

Principal  
Raajdhani Engineering College  
Bhubaneswar



ANDHRA UNIVERSITY

Tel. No. : 0091-891-2844433 / 2844427  
deanacademic@andhrauniversity.edu.in



All official letters, packages, etc.,  
should be addressed to the Dean by  
designation and not by the name

NOTIFICATION

AWARD OF RESEARCH DEGREE  
in  
**PHYSICS**

It is hereby notified that the Vice-Chancellor on the recommendation of the Board of Examiners is pleased to order that **Ms. JULEE MARGARETTE S.** be declared qualified for the **Degree of Doctor of Philosophy (Ph.D.)** in **PHYSICS** on the thesis entitled "**STUDY OF DUAL DOPED LITHIUM MANGANESE OXIDE BASED CATHODE MATERIALS FOR LITHIUM-ION BATTERIES**"

(BY ORDER)

Central Administrative Office  
Visakhapatnam  
Dt: **08-12-2021**

(K. UMA MAHESWARI)  
DEPUTY REGISTRAR (ACADEMIC)

Endt. No. **T(2)/9232/2021/F.T.**

Dt: **08-12-2021**

Forwarded to the Director of Stationery and Printing Andhra Pradesh Central Press, Hyderabad (AP) for favour of publication in the next issue of the Andhra Pradesh Gazette and supply to this office with six spare copies of notification.

(K. UMA MAHESWARI)  
DEPUTY REGISTRAR (ACADEMIC)

25 copies to the Coordinator, Media Cell, Andhra University, Visakhapatnam for arranging Publication in all News papers as news item in their dailies at free of charge.

Copies to the Manager of (1) U.N.I., and (2) P.T.I.

Copy to the Warden, Research Scholars Hostel, A.U., Visakhapatnam

Copies to SII., A.V., A VI., U.G.C. and SC & ST Cell Sections

Principal  
Raajdhani Engineering College  
Bhubaneswar



ANDHRA UNIVERSITY

Tel. No. : 0091-891-2844433 / 2844427  
deanacademic@andhrauniversity.edu.in



All official letters, packages, etc.,  
should be addressed to the Dean by  
designation and not by the name

Endt. No. **T(2)/9232/2021/F.T.**

Dt: **08-12-2021**

NOTIFICATION  
AWARD OF RESEARCH DEGREE  
in  
**PHYSICS**

It is hereby notified that the Vice-Chancellor considered the reports of the following examiners appointed to adjudicate and report on the thesis entitled "**STUDY OF DUAL DOPED LITHIUM MANGANESE OXIDE BASED CATHODE MATERIALS FOR LITHIUM-ION BATTERIES**".

01. **PROF. PAULOS TADDESSE, DEPARTMENT OF PHYSICS, COLLEGE OF NATURAL SCIENCE, ARBA MINCH UNIVERSITY, ETHIOPIA.**
02. **DR. M. RAMAKRISHNA NANCHARA RAO, DEPARTMENT OF PHYSICS, THE HINDU COLLEGE, MACHILIPATNAM, KRISHNA DISTRICT - 521001, ANDHRA PRADESH, INDIA.**
03. **DR. M. V. N. AMBIKA PRASAD, DEPARTMENT OF PHYSICS, GULBARGA UNIVERSITY, GULBARGA -585106, KALABURAGI, KARNATAKA.**

On the recommendation of the following examiners who have conducted the Viva-Voce examination, the Vice-Chancellor is pleased to order that **Ms. JULEE MARGARETTE S.** be declared qualified for the **Degree of Doctor of Philosophy (Ph.D.) in PHYSICS**

- |  |   |  |
|--|---|--|
| 01. <b>DR. P. V. LAKSHMINARAYANA</b>   | - | <b>NOMINATED TEACHER EXPERT</b>                      |
| 02. <b>PROF. D. S. V. V. D. PRASAD</b> | - | <b>CHAIRMAN, P.G. BOARD OF STUDIES</b>               |
| 03. <b>SRI D. B. VENKATADRI</b>        | - | <b>HEAD OF THE DEPARTMENT</b>                        |
| 04. <b>PROF. K. SAMATHA</b>            | - | <b>RESEARCH DIRECTOR &amp; CONVENER OF VIVA-VOCE</b> |



Date of submission of thesis: **16-04-2021**

Date of Viva - Voce : **07-12-2021**

( BY ORDER )

Central Administrative Office,  
Visakhapatnam  
Dt: **08-12-2021**

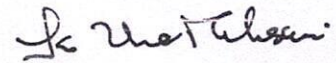
(K. UMA MAHESWARI)  
DEPUTY REGISTRAR (ACADEMIC)

Principal  
Raajdhani Engineering College  
Bhubaneswar

Endt. No. T(2)/9232/2021/F.T.

Dt: 08-12-2021

Forwarded to the candidate **Ms. JULEE MARGARETTE S., C/O. LATE S. DEVA DANAM, W. M. E. CHURCH, INDIRA NAGAR, IV LANE, RAYAGADA P. O., ODISHA -765001** with the information that out of the three copies of the thesis submitted by him/her one copy is retained for reference in the University Library and the remaining two copies will be given to him/her if the adjudicators returned them.



(K. UMA MAHESWARI)  
DEPUTY REGISTRAR (ACADEMIC)

Copy to the Examiners.

Copy to the Research Director: **PROF. K. SAMATHA**, Rector, Andhra University, Visakhapatnam

Copy to the Joint Research Director: \_\_\_\_\_

Copy to the above members of Viva-Voce Committee

Copy to the C-I Section, to Report the same to the Executive Council

Copy to the Librarian, Dr.V.S.K.Library, Andhra University

Copy to the Convener, Board of Research Studies, Andhra University

Copy to the Principal, College of **SCIENCE AND TECHNOLOGY**, Andhra University, Visakhapatnam

Copy to the Head of the Department of **PHYSICS**, Andhra University, Visakhapatnam

Copy to the Librarian, Association of Indian Universities, Rouse Avenue, New Delhi.

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Comrade Indrajit Gupta Marge (Kotla Marg), New Delhi - 110 002

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Post Box No: 4116, Navrangpura, Ahmedabad - 380009.

Copy to the Secretary to the Vice-Chancellor, Andhra University, Visakhapatnam

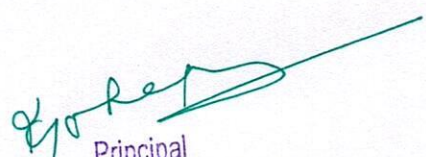
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Copy to the Dean of Academic Affairs, Andhra University

Copy to the Coordinator, Department of Journalism, Andhra University

Copies to SII., A.V., A VI., U.G.C. and SC & ST Cell Sections & OOF.

\* \* \*

  
Principal  
Raajdhani Engineering College  
Bhubaneswar



17018047

# Utkal University



Utkal University

DIPLOMA FOR MASTER OF SCIENCE  
( SEMESTER EXAMINATION )



This is to certify that  
*Minakshi Swain*

of the University Post-Graduate Department  
of *Mathematics*  
who has been examined in all the Semesters of  
Master of Science in *Mathematics*

completed in the month of *October* . 1983  
was this day admitted to the degree.

Average Grade *A'*  
Average Marks *80.8* %  
Special Papers *Probability Theory*  
*Operational Research*

UTKAL UNIVERSITY  
VANI VIHAR  
BHUBANESWAR

The 22nd July 1984

Vice-Chancellor

ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

ଉତ୍ସାହର ଶରଣ ରଘବ ଚେ  
(ଅନୁଦିତ ଗଣନା)

Principal  
Raajdhani Engineering College  
Bhubaneswar

୧୫୮୩ ମସିହା ଅକ୍ଟୋବର ମାସରେ  
ଅଧିକାଂଶ ବିଜ୍ଞାନ ଭାଷାରେ ପରୀକ୍ଷା  
କରାଯାଇଥିବା ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟର ପୁରାତନ  
ବିଭାଗର ମାଟ୍ରିକୁଲେସନ୍ ପାଇଁ  
ଅଧ୍ୟକ୍ଷଙ୍କୁ ଉପାଧି ପ୍ରଦାନ କରାଯାଇଛି ।

ଫଳାଫଳ ଗଣନା 'A'  
ଫଳାଫଳ ପ୍ରାୟ 80.8 %  
ବିଶେଷ ପାଠ୍ୟ ପୁସ୍ତକ  
ପ୍ରାୟତଃ ଉପଲବ୍ଧ

ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ  
ବାଣି ହୋଲ  
ଭୁବନେଶ୍ୱର

୧୯୮୪ ଜୁଲାଇ ୨୨

ଭୁବନେଶ୍ୱର

Reg. No. 110505MEP001

Sl. No. 0002/05-11/2016

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

**NABNIT PANIGRAHI**

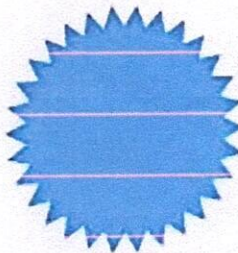
was admitted to the Degree of

**Doctor**

of

**Philosophy**

on the 26<sup>th</sup> day of November in the year 2016



Dated: 26<sup>th</sup> November, 2016

*Haribandhu Panda*  
Vice Chancellor

*[Signature]*  
Principal  
Raajdhani Engineering College  
Bhubaneswar



**ASIA e UNIVERSITY, INDIA, MADURAI**

Indian Bureau of Distance Learning

**PROVISIONAL CERTIFICATE**

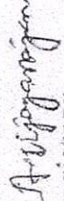
**Doctor of Philosophy (Ph.D)  
(2009-2013)**

  
Principal  
Raajdhani Engineering College  
Bhubaneswar

This is to Certify that the Proposal for the Award of Degree in this Subject of Environmental Engineering under the faculty of Engineering to Sri/Smt./Kumar **PADMA CHARAN TRIPATHY**, Registration No.: **AEUK/DOC/ENV/OR004-02** dated **20/04/2009** on the Topic entitled Policy Assessment by using Soft Computing Technique And Analytic Hierarchy Process with Application to Energy in Environmental Engineering has been Awarded by the University as per U.G.C. Gazette Notification, Dated 11<sup>th</sup> July 2013.



Asia e University, India  
Madurai  
18<sup>th</sup> February 2013

  
Registrar

A.E.U.  
(Dr. A. Vijayarajan)  
PHD. FISC



ESTD. 2009 UNDER SECTION 17 OF U.O.C. Act 1958

REG. 4219



# CMJ UNIVERSITY

JAEGHALAYA

Doctor of Philosophy (Ph.D.)

2012

(Provisional Certificate)

This is to certify that the proposal for the award of Ph.D. degree in the Subject of Mechanical Engineering under the Faculty of Technology at KANSU KANSAD NISARH (Bhubaneswar, Odisha) No. 200-2012

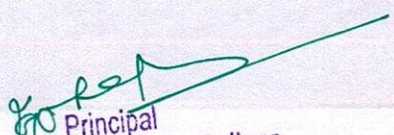
On the Topic: "Modeling of the Radiative Heat Transfer through Surface Area"

was sanctioned by the University as per U.O. No. 117 dated 17<sup>th</sup> July 12<sup>th</sup> July 2009

Signature (Registrar)  
The 12<sup>th</sup> November 2012



Registrar

  
Principal  
Raajdhani Engineering College  
Bhubaneswar



179K0220



Regn. No. : 1161333005

**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

*Pranaba Nanda Das*

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

**"Human Resource Planning in Selected Steel Plants at Kalinga  
Nagar Industrial Complex"**

Given on this day, under the seal of  
Siksha 'O' Anusandhan Deemed to be University.



Date : 22nd November, 2017



*Abhishek*

Vice Chancellor

34

*Principal*  
Principal  
Raajdhani Engineering College  
Bhubaneswar

# बुन्देलखण्ड विश्वविद्यालय, झाँसी

## BUNDELKHAND UNIVERSITY



*On the Recommendation of Faculty the Research Department*

*Of the University, does hereby confer upon*

**Pratap Chandra Mishra**

*The Degree of*

**Doctor of Philosophy**

*In Area of*

**(Computer Science)**

*With all the Right and Privileges, Appertaining the*

*Thesis Topic*

**A Novel Load Balancing Algorithm For Web Servers**



*Bundelkhand University*  
बुन्देलखण्ड विश्वविद्यालय  
झाँसी उ.प्र., Jhansi UP 284128

Principal  
Raajdhani Engineering College  
Etabaneswar

  
कुलसचिव  
Registrar  
कुलपति  
Vice-Chancellor

Date: 13-09-2015

Checker Checker



# विश्वेश्वरय्या राष्ट्रीय प्रौद्योगिकी संस्थान

नागपुर (भारत)

रंजज किशोर मल्लिक

को एतद् द्वारा अभिषद की अनुशंसा पर आज दि. 15 सितंबर 2018 को

संस्थान की मुद्रांकित

आचार्य

उपाधि प्रदान करता है ।

इन्होंने विनियमों के अंतर्गत विहित आवश्यकताओं को नवंबर 2017 में पूर्ण किया एवं

अपने शोधप्रबंध का सफलतापूर्वक पक्षपोषण किया ।

## VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY NAGPUR (INDIA)

upon recommendation of the Senate hereby confers the degree of

Doctor of Philosophy

on

Ranjan Kishore Mallick

who has fulfilled the requirements as prescribed  
under the regulations and has successfully defended

the thesis in November 2017 titled

*"Parametric Studies on Passive Direct Methanol Fuel  
Cells"*

Given this day, 15 September 2018

Given under the seal of the Institute.



*S. Prath*  
कूलसचिव  
REGISTRAR

*W. D.*  
अध्यक्ष, अमितल  
CHAIRMAN, SENATE

*K. P.*  
Principal  
Raajdhani Engineering College  
Ghubaneswar  
अध्यक्ष, शासी मंडल  
CHAIRMAN, BOARD OF GOVERNORS





1827792253



Regn. No. : 1161014005

# 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

*Ravi Narayan Panda*

who has fulfilled the requirement for the degree as prescribed under  
the regulations and successfully defended in December, 2016,  
the thesis entitled :

**"Reduced Complexity Channel Estimation  
Techniques."**

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

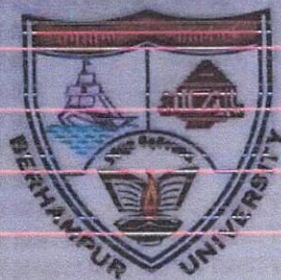


*[Signature]*  
Principal  
Raajdhani Engineering College  
Bhubaneswar  
Vice Chancellor

Date : 3rd April, 2017

Serial No.: BU/17062

Notification No.: 1401/02.03.2016



# BERHAMPUR UNIVERSITY

(ACCREDITED WITH 'A' GRADE BY NAAC)

*This is to certify that*

*Runu Sahu*

*having passed the examination*

*for the degree of*

*Doctor of Philosophy*

*in the faculty of*

*Science and Technology*

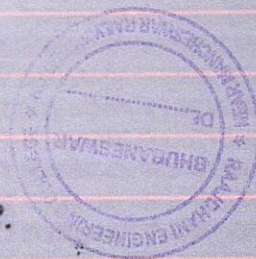
*(Mathematics)*

*on the thesis:*

*"Study of Some Aspects of Two-Phase Flow Phenomena"*

*held in the month of **March 2016***

*was this day admitted to the degree.*

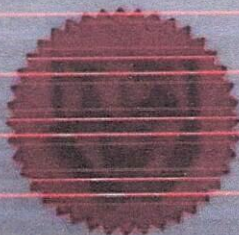


Principal  
Rajdhani Engineering College  
Bhubaneswar

Bhaya Bihar

Berhampur - 760007 (Odisha)

Date 10 March 2017



*Rajendra Kumar Das*  
Vice-Chancellor



# INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

upon the recommendation of the Senate hereby confers the degree of

**Doctor of Philosophy**

**SACHI NANDAN MOHANTY**

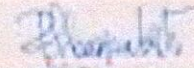
in recognition of the research work on

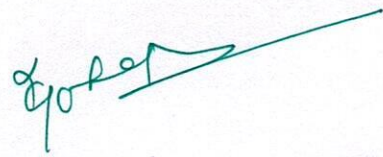
*Influence of Emotion and Cognition on Decision-Making under Uncertainty*

Given under the seal of the Institute at Khharagpur on the sixteenth day of August, Two Thousand and Fifteen

  
Registrar



  
Director



Principal  
Rajdhani Engineering College  
Bhubaneswar





# SIKSHA 'O' ANUSANDHAN

(A Deemed to be University declared u/s 3 of UGC Act, 1956)

Re-Accredited by NAAC with 'A' Grade

No.Ex/483 / 803 /2019

Date:16.05.2019

In pursuance of the approval accorded by the Vice- Chancellor under Rule 6.13 of the regulations, 2009-10, governing Ph.D. programme in Engineering & Technology, Sanjay Kumar Behera, Regd.No-1161018004 is provisionally declared to be awarded the degree of Doctor of Philosophy in Mechanical Engineering having his research in the subject, under the title "APPROACH TO ESTABLISH A HYBRID INTELLIGENT MODEL FOR CRACK DIAGNOSIS IN BEAM STRUCTURES".

16.5.19  
Controller of Examinations

Date:16.05.2019

Memo.No.Ex/ 483 /804/2019

**Copy to :**

1. Mr.Sanjay Kumar Behera, LIG-799, Kalinga Vihar(K-4), Patrapada,Bhubaneswar-19, Ph-8763173320, Email: [sanjaybeheraoc@gmail.com](mailto:sanjaybeheraoc@gmail.com) for information
2. Dr.Mukesh Singh, Professor and CVO, Department of Industrial & Production Engineering, School of Engineering and Technology, Guru Ghasidas Vishwavidyalaya(Central University), Bilaspur,Chhattisgarh,India-495009, Email: [mukeshetgqv@gmail.com](mailto:mukeshetgqv@gmail.com), Ph: 07999923520,09479171019, Indian Examiner for information
3. The Dean, Research, Siksha 'O' Anusandhan (Deemed to be University),Bhubaneswar for information
4. The Chairman, UGC, Bahadurshah Zafar Marg,New Delhi-110002 for information
5. The Director, Information & Library Network (INFLIBNET) Centre,Infocity,Gandhinagar-382007,Gujarat for information
6. Dr.Youd Vir Singh, Library and Documentation Division , Association of Indian Universities(AIU),AIU House, 16-Comrade Indrajit Gupta(Kotla) Marg, New Delhi-110002,Email:[aiubdd@gmail.com](mailto:aiubdd@gmail.com) for information
7. The Secretary General ,Association of Indian Universities, AIU House,16-Comrade Indrajit Gupta Marg (Kotla Marg) New Delhi-110002 for information
8. The Editor, University News, Association of Indian Universities , AIU House,16-Comrade Indrajit Gupta Marg (Kotla Marg), New Delhi-110002 for information
9. The Director of Admissions, Siksha 'O' Anusandhan (Deemed to be University) ,Bhubaneswar for information
10. Prof.Niranjan Kavi, Department of Mechanical Engineering, ITER,Siksha 'O' Anusandhan Deemed to be University, Bhubaneswar-30, Email: [niranjankavi@soa.ac.in](mailto:niranjankavi@soa.ac.in) , Mob-9861185271-Ex-officio chairman for information
11. The Dean, Faculty of Engineering & Technology (ITER) Siksha 'O' Anusandhan (Deemed to be University), Bhubaneswar for information
12. The Registrar, Siksha 'O' Anusandhan (Deemed to be University),Bhubaneswar for information
13. Dy.Controller of Examinations,Siksha 'O' Anusandhan(Deemed to be University)for information & necessary action
14. The Secretary to the Vice-Chancellor, Siksha 'O' Anusandhan (Deemed to be University) for kind information of the Vice-Chancellor.
15. Prof.(Dr.)Harish Chandra Das, Professor, Department of Mechanical Engineering, National Institute of Technology, Meghalaya, Bijni Complex, Laitumkhirah,Shillong,Meghalaya-793003,India, Ph: 9437025733, Email: [harishdas@nitm.ac.in](mailto:harishdas@nitm.ac.in) /[harishdas1965@gmail.com](mailto:harishdas1965@gmail.com) Supervisor for information
16. Dr.Dayal R. Parhi, Professor & HOD, Department of Mechanical Engineering, National Institute of Technology (NIT) Rourkela,Odisha-769008, Email: [davalparhi@gmail.com](mailto:davalparhi@gmail.com), Ph: 8327766708 - Co-supervisor for information
17. The IQAC([iqacell@soa.ac.in](mailto:iqacell@soa.ac.in)),Siksha 'O' Anusandhan(Deemed to be University),Bhubaneswar-30 for information
18. Dr.D.B.Ramesh, Chief Librarian,Siksha 'O' Anusandhan(Deemed to be University),Bhubaneswar for information
19. Guard File

Principal  
Engineering College  
Controller of Examinations  
16.5.19

# SIKSHA 'O' ANUSANDHAN

(DEEMED TO BE UNIVERSITY)

Re-Accredited by NAAC with 'A' Grade

BHUBANESWAR, ODISHA



## PROVISIONAL CERTIFICATE

**SASMITA JENA**

Registration No :1781001019

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  
**"Photovoltaic-Thermoelectric based Hybrid System for Efficient Energy Replenishment in Microgrid"**

for the research conducted under the  
**Department of Electrical Engineering**  
**Faculty of Engineering and Technology**  
(Institute of Technical Education and Research)

in the year 2022



Date: 22 DEC 2022

CONTROLLER OF EXAMINATIONS



*[Signature]*  
Principal  
Rajdhani Engineering College  
Bhubaneswar

Roll No. 512EE1015

PROVISIONAL



NATIONAL INSTITUTE OF TECHNOLOGY  
ROURKELA

This is to certify that SATYAJIT MOHANTY

has successfully defended the thesis entitled  
"Development of Maximum Power Extraction Algorithms for PV System  
with Non-uniform Solar Irradiances"

and has fulfilled all the requirements for the degree of

DOCTOR OF PHILOSOPHY

in the department of  
Electrical Engineering

on 05 Jul 2017

Rourkela  
Date: 06 Jul 2017

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

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

Principal  
Raajdhani Engineering College  
Bhubaneswar



Serial No.: BU-17026



Notification No.: 1401/02.03.2016

# BERHAMPUR UNIVERSITY

(ACCREDITED WITH 'A' GRADE BY NAAC)

*This is to certify that*  
*Ashak Kumar Mishra*  
*having passed the examination*  
*for the degree of*  
*Doctor of Philosophy*  
*in the faculty of*  
*Arts*  
*(English)*  
*on the thesis:*

Shakespeare Work Compared To George Bernard Shaw, Tragedy And Drama

*held in the month of March 2016*  
*was this day admitted to the degree.*



*Bhanja Bihar*  
*Berhampur - 760007 (Odisha)*  
*Date 10 March 2017*



*Rajendra K. Das*  
Vice-Chancellor



Regn. No. : 1271092007

**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**

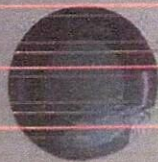
on

*Chushanta Kumar Sahu*

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

**"Studies on Liquid - Liquid Extraction of Ce (III) Using Some  
Commercial Extractants and Their Binary Mixtures"**

Given on this day, under the seal of  
Siksha 'O' Anusandhan Deemed to be University.



*[Signature]*

Vice Chancellor

Date : 22nd November, 2017

Principal  
Raajdhani Engineering College  
Bhubaneswar



# RANCHI UNIVERSITY

No. 2013/ 2520



## PROVISIONAL CERTIFICATE

I certify that ..... Umasankar Das ..... has  
 passed the Ph.D (Faculty of Engineering) Examination  
 of this University held in the month of ..... April ..... 2019.....  
 and was placed in the ..... X ..... X ..... Division/Class

Dated Ranchi the ..... 04/06/2019 .....

Registrar

Principal  
 Raajdhani Engineering College  
 Bhubaneswar





Regn. No. : 1161022005

## 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

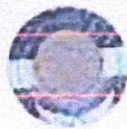
*Kharendra Swain*

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


**"MOMENTUM AND HEAT TRANSFER OF NEWTONIAN AND  
NON-NEWTONIAN FLOW OF FLUIDS IN POROUS MEDIA"**

for the research conducted under the  
**Faculty of Engineering and Technology**  
(Department of Mathematics)

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



Date: 24th October, 2019

  
Vice Chancellor

CamScanner



Principal  
Raajdhani Engineering College  
Bhubaneswar



**KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY**

DEEMED TO BE UNIVERSITY, BHUBANESWAR-24  
(Deemed U/S 3 of UGC Act, 1956)

No.: A-UPC/18- 015251

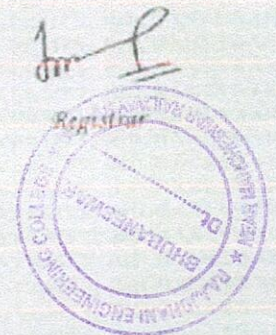
**PROVISIONAL CERTIFICATE**

*This is to certify that Srikanta Kumar Dash  
bearing the Roll No 1181017 and Registration No. 11390921382  
has successfully completed  
all the prescribed requirements under the regulations  
for the degree of Doctor of Philosophy of this University in January 2020.  
The degree is being awarded in accordance with the UGC Regulation 2009.*

*The title of the thesis is "Modelling, Analysis and Harmonic Mitigation Techniques of  
Cascaded Multilevel Inverter".*

Place: Bhubaneswar

Date: 03rd Jan. 2020



38

Principal  
Rajdhani Engineering College  
Bhubaneswar

UNIVERSITY

Registration No. 13PR-PHY-003

RAVENSHAW UNIVERSITY  
CUTTACK

School of Physical Sciences

ମୋନାଲିସା ପଣ୍ଡା

ରେଭେନ୍‌ସା ବିଶ୍ୱବିଦ୍ୟାଳୟ ଦ୍ୱାରା ଅନୁମୋଦିତ ପାଠ୍ୟକ୍ରମ ସମାପନପୂର୍ବକ  
୨୦୧୮ ମସିହା ନଭେମ୍ବର ମାସରେ ଅନୁଷ୍ଠିତ ପଦାର୍ଥ ବିଜ୍ଞାନ  
ବିଭାଗ ପରୀକ୍ଷାରେ ଉତ୍ତୀର୍ଣ୍ଣ ହୋଇଥିବାରୁ  
ଅନ୍ୟ ଏହି ଉପାଧି ପ୍ରଦାନ କରାଗଲା ।

ଉପାଧି

ବିଭାଗ, ପଦାର୍ଥ ବିଜ୍ଞାନ

**Monalisa Panda**

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

Doctor of Philosophy in Physics  
held in the month of November 2018  
has this day been admitted to this

Degree of

**Doctor of Philosophy in Physics**



Odisha ୫ ଫେବୃଆରୀ, ୨୦୧୯  
Date: 5 February, 2019

Principal  
Rajdhani Engineering College  
Bhubaneswar

Attested by me,  
Monalisa Panda

କୁଳପତି  
Vice-Chancellor

# SIKSHA 'O' ANUSANDHAN

(DEEMED TO BE UNIVERSITY)

Re-Accredited by NAAC with 'A' Grade

BHUBANESWAR, ODISHA



## PROVISIONAL CERTIFICATE

**NERHA PRADHANI**

Registration No :1781002018

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

**"Synthesis and Characterization of Manganese Modified Bismuth  
Alkali Titanate Ceramics"**

for the research conducted under the

**Department of Physics**

**Faculty of Engineering and Technology**

(Institute of Technical Education and Research)


in the year 2021



Date: 05 JUL 2021

  
CONTROLLER OF EXAMINATIONS



  
Principal  
Raajdhani Engineering College  
Bhubaneswar



# VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY: BURLA

(Formerly University College of Engineering, Burla-Established by Govt. of Odisha in 1956 & Upgraded in 2009 to A State Govt. University Covered under Section 2(f) & 12(B) of UGC Act.)

P.O : Engineering College Burla (Siddhi Vihar), Dist : Sambalpur  
Odisha -768018, INDIA

No. VSSUT/PGS&R/ /21

Date:

## NOTIFICATION

### THE DEGREE OF DOCTOR OF PHILOSOPHY IN ENGINEERING

Mr. Somanath Mishra, Registration No.13060025 is declared qualified for the award of the Ph.D. Degree in **Engineering (Electrical Engineering)** with effect from **08.07.2021**. The title of his Ph.D thesis is **“SOME STUDIES ON FREQUENCY ENHANCEMENT OF MULTI-AREA MULTI-SOURCE POWER SYSTEMS WITH DC LINK BY COMPUTATIONAL INTELLIGENT TECHNIQUES”**

**YEAR OF EXAMINATION – 2021**

**REGISTRATION NO. 13060025**

By order of Hon`ble Vice-Chancellor

Memo. No. VSSUT/PGS&R/ 884 (18) /21

Dean, PGS & R

Date: 13/07/2021

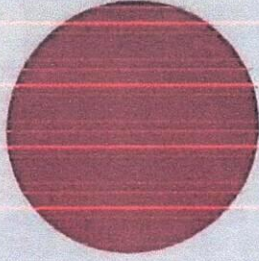
Copy forwarded to:

1. Mr. Somanath Mishra, C/O- Mr. Akshaya Mishra, At -Talpali (Near UP School), Po- Talpali Para, Dist- Bolangir , (Odisha), Pin- 767001.
2. Prof. (Dr.) Ajit Kumar Barisal, Professor, Department of Electrical Engineering, CET, Bhubaneswar= Supervisor.
3. Prof. (Dr.), D. K. Palwalia, Professor, Department of Electrical Engineering, RTU, Kota, Rajasthan India, Pin- 6324010 -External Examiner of Ph.D Open Viva-voce (Indian Examiner).
4. Prof. (Dr.) Aktar Kalam, Professor, Department of Electrical Engineering, Victoria University, Australia, , Postcode-8002, External Examiner (Foreign Examiner).
5. All DRC Members & Chairman, DRC of Mr. Somanath Mishra, Department of Electrical Engineering, VSSUT, Burla for information .
6. The Director of Printing & Publication, Govt. Press, Madhupatna, Cuttack, Odisha. Pin-753010 for publication in the next issue of Odisha Gazette Free of Cost.
7. **The Principal Secretary to Chancellor, Raj Bhavan, Bhubaneswar for favor of kind information, Pin-751008.**
8. The Commissioner-Cum-Secretary to Govt.. Skill Development & Technical Education, Bhubaneswar for favour of kind information Pin-751001.
9. The University Grants Commission (UGC), Bahadur Shah Zafar Marg, New Delhi - 110002.
10. The Secretary/ Editor, University News, Association of Indian Universities, AIU House, 16, Comrade Indrajit Gupta Marg, New Delhi -110002, with a request to publish in University news Free of Cost
11. The Editor, The Samaj/ The Sambad/ The Dharitri/The Samaya/ The Prameya/ The New Indian Express/ The Times of India ,with a request to publish the same in their News Daily,110002, Free of Cost.
12. The Editor, The Journal of Scientific and Industrial Research, PUSA CAMPUS, IARI, New Delhi- 110012 for possible publication Free of Cost.
13. The Current Science Association, Raman Research Institute, C V Raman Avenue, Sadashiva Nagar, Bangalore, Pin- 560080 for possible publication. Free of Cost.
14. The Director, National Social Science Documentation Centre, Indian Council of Social Science Research, 35, Ferozshah Road, New Delhi- 110001 for possible publication Free of Cost.
15. The Controller of Examinations/All Deans/All HODS/COF, VSSUT, BURLA for information.
16. Dean, Faculty & Planning, VSSUT, Burla for kind information with a request to hoist this notification in the University Website for information of all concerned.
17. PA to VC for kind information of the Hon`ble Vice-Chancellor.
18. OS (Acd)/DA(PGSR)/Guard File(PGSR)/Personal file of Ph.D Scholar .

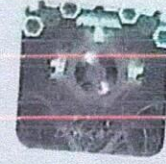
Principal  
Raajdhani Engineering College  
Bhubaneswar

13/07/21  
Dean, PGS & R  
VSS University of Technology  
Burla, Odisha, India-768018

# भारतीय प्रौद्योगिकी संस्थान (भारतीय खनिज विद्यापीठ), धनबाद



अधिषद् की अनुशंसा पर  
शुभेन्दु शेखर साहु  
को



विद्या वाचस्पति की उपाधि शोध प्रबंध शीर्षक

एनहैंन्समेन्ट ऑफ फाल्ट राइड थ्रू कैपबिलिटी फोर डबली फेड इंडक्शन  
जेनेरेटर बेस्ड विन्ड एनर्जी कन्वर्शन सिस्टम

में, विनियमों में विहित अर्हताओं को दिनांक 15 जनवरी 2021 को सफलतापूर्वक पूर्ण कर लेने के  
उपरांत, भारतीय गणराज्य के अंतर्गत धनबाद में यह मुद्रांकित उपाधि दिनांक 24 मार्च 2021  
को प्रदान करता है।

**Indian Institute of Technology (Indian School of Mines), Dhanbad**

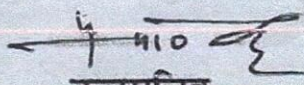
On the recommendation of the Senate, hereby confers upon

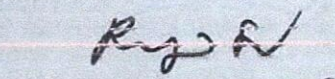
*Subhendu Sekhar Sahoo*


the Degree of Doctor of Philosophy  
on the Research Title

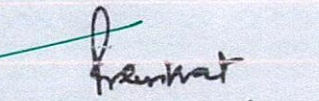
ENHANCEMENT OF FAULT RIDE THROUGH CAPABILITY FOR DOUBLY  
FED INDUCTION GENERATOR BASED WIND ENERGY CONVERSION  
SYSTEM

on successful completion of the requirements prescribed under the  
regulations, on 15th January 2021 for the award of this degree.  
Given this day, under the seal of the Institute at Dhanbad in the  
Republic of India, the 24th day of March, 2021.

  
कुलसचिव  
Registrar

  
निदेशक एवं अध्यक्ष, अधिषद्  
Director & Chairman, Senate

  
Principal  
Rajdhani Engineering College  
Bhubaneswar

  
अध्यक्ष, शासक मंडल  
Chairman,  
Board of Governors

No. - PHD2300128



**KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY**

DEEMED TO BE UNIVERSITY, BHUBANESWAR-24

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

Reg No. - 15652644677



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



**DOCTOR OF PHILOSOPHY**

in

**Mathematics**

on

**MINAKSHI MOHANTY**



who has successfully completed the courses of study in the year 2022 as prescribed under the regulations

The title of the thesis being "CONSTRUCTIVE APPROACHES FOR NUMERICAL SOLUTION OF ORDINARY DIFFERENTIAL EQUATION"

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

First day of October Two Thousand Twenty Two

Registrar

Vice-Chancellor

To e-Verify the authenticity of this certificate visit : [www.kit.ac.in](http://www.kit.ac.in)

Principal  
Rajdhani Engineering College  
Bhubaneswar



S No 2019190478



# Utkal University

ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ



## Degree of Doctor of Philosophy

*This is to certify that*

**ALEKHA KUMAR BALIARSINGH**

*has been this day admitted to the degree of*

**DOCTOR OF PHILOSOPHY**

*in* **Mathematics**

*under the faculty of*

**SCIENCE & TECHNOLOGY**

ବିଦ୍ୟା ବିଭୂଷଣ ଯୋଗ୍ୟତା ପତ୍ର

ବିଜ୍ଞାନ ଓ ପ୍ରଯୁକ୍ତି ବିଦ୍ୟା କ୍ଷେତ୍ରରେ

ଗଣିତ ବିଷୟରେ

ଅଲେଖା କୁମାର ବଳିଆରସିଂହ କୁ

ଅଦ୍ୟ ଏହି ବିଦ୍ୟା ବିଭୂଷଣ ଉପାୟ ପ୍ରଦତ୍ତ ହେଲା ।



ସ୍ୱସିନ ଅଧିକାରୀ

କୁଳପତି

The 23rd/Dec/2022

Utkal University  
Van Vihar, Bhubaneswar,  
Odisha, India

Principal  
Rajdhani Engineering College  
Bhubaneswar



Sabita Acharya

Vice Chancellor



No. : PHD/200113

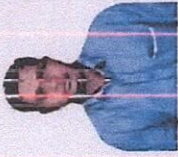


# KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY

DEEMED TO BE UNIVERSITY, BHUBANESWAR-24

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

Reg. No. - 18594954726



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



## DOCTOR OF PHILOSOPHY

in

Mathematics

on

**BISWAJIT MALLICK**

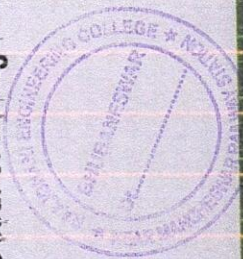
who has successfully completed the courses of study in the year 2022 as prescribed under the regulations  
The title of the thesis being "NUMERICAL METHODS FOR SOLVING DIFFERENTIAL EQUATIONS AND INTEGRAL EQUATIONS"

Given under the seal of Kalinga Institute of Industrial Technology Deemed to be University in the Republic of India on the  
First day of October Two Thousand Twenty Two

Principal  
Rajdhani Engineering College  
Bhubaneswar



Registrar

  
Vice-Chancellor

Serial No: 20220934



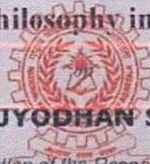
Enrollment No:  
16EDMER013



राष्ट्रीय प्रौद्योगिकी संस्थान अगस्तला  
NATIONAL INSTITUTE OF TECHNOLOGY AGARTALA

upon the recommendation of the Senate hereby confers the degree of

Doctor of Philosophy in Engineering



**DURJYODHAN SETHI**

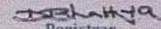
in recognition of the Research work on


**STUDY OF MICROSTRUCTURE AND MECHANICAL PROPERTY ANALYSIS OF FRICTION**

**STIR SCARF WELDED AA6061/AlSiCp REINFORCED COMPOSITE JOINTS**

Given this day, the 12<sup>th</sup> of November, 2022 under the seal of the Institute of Agartala in the Republic of India.

  
Director & Chairman  
Senate

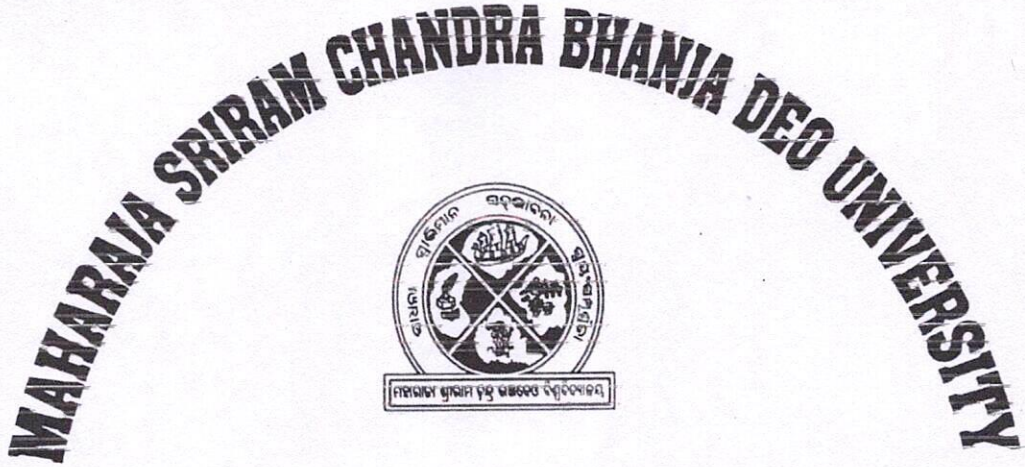
  
Registrar  
NIT Agartala

  
Principal  
Rajdhani Engineering College  
Bhubaneswar



Issue No. : 08

Regd. No. Sc./Phy/17/Ph.D./2017



ମହାରାଜା ଶ୍ରୀରାମ ଚନ୍ଦ୍ର ଭଞ୍ଜଦେଓ ବିଶ୍ୱବିଦ୍ୟାଳୟ  
**BARIPADA**  
**DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph.D.)**

*This is to certify that*

**UTTAM KUMAR PANIGRAHI**

*who passed the examination for the degree of*

**DOCTOR OF PHILOSOPHY**

*in* ..... **PHYSICS** ..... *held in*

*month of* ..... **AUGUST, 2021** ..... *was this day*

*admitted to the Degree.*

Principal  
Rajdhani Engineering College  
Bhubaneswar

Date: 9 May 2023  
Sriram Chandra Vihar, Takatpur  
Mayurchari, Baripada, Odisha-757 003



Vice-Chancellor

Roll No. 514CE1008



PROVISIONAL

**NATIONAL INSTITUTE OF TECHNOLOGY  
ROURKELA**

This is to certify that MANOJ KUMAR BISWAL

*has successfully defended the thesis entitled*

**"Analysis of Pedestrian Level of Service and Capacity at Various  
Transportation Facilities"**

*on Oct 20, 2022*

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

**DOCTOR OF PHILOSOPHY**

*on Nov 11, 2022*

Rourkela  
Date : Nov 11, 2022

  
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)

Principal  
Rajdhani Engineering College  
Bhubaneswar



No. - PHD1500018



# KIIT UNIVERSITY

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

Reg. No. - 10364517413



  
Principal  
Kajjadhani Engineering College  
Bhubaneswar

Upon recommendation of the Academic Council hereby confers the Degree of

## DOCTOR OF PHILOSOPHY

in

### Mathematics


on

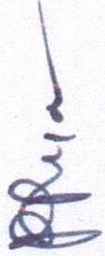
### Sourav Debasis

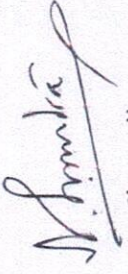


who has successfully completed the course of study in year 2015 as prescribed under the regulations  
The title of the thesis being **"STUDY OF SURFACE WAVE PROPAGATION IN ELASTIC MEDIA"**

Given under the seal of KIIT University in the Republic of India on the Seventh day of November Two Thousand Fifteen

  
Registrar

  
Vice - Chancellor

  
Chancellor

Biju Patnaik University of Technology, Odisha  
Rourkela



*On recommendation of the Board of Management,  
hereby confers the degree of*

**Doctor of Philosophy**

*in*

**Engineering**

*on*

**RAJESH KUMAR BEHERA**

*who has successfully completed the prescribed requirements  
in the academic year 2021-22*

*Given at Rourkela on this day under the seal of the University.*



Principal  
Raajdhani Engineering College  
Bhubaneswar



Date: **13 FEB 2024**



*Amrita K. Patra*  
Vice-Chancellor



19/1683/514ID1003



# National Institute of Technology Kourkela

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

**Doctor of Philosophy**

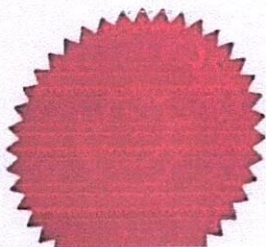
on

*Bijaya Kumar Khamari*

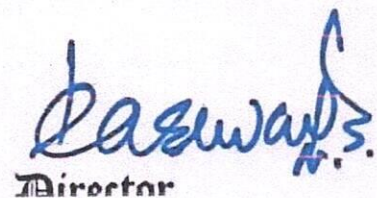
who has successfully defended the thesis entitled  
*"Characterization of Welded Joints of Similar and Dissimilar Metals  
with Various Processing Routes"*

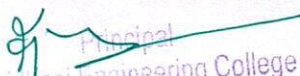
and has fulfilled all other requirements  
for the degree in the Department of  
*Industrial Design.*

Given this day, under the seal of the Institute  
at Kourkela in the Republic of India,  
the 13<sup>th</sup> Day of August 2022.



  
Principal

  
Director

  
Principal  
Raajmani Engineering College  
Bhubaneswar





# Felipe VI, Rey de España

eta beronen izenean  
Mondragon Unibertsitateko  
Errektoreak

y en su nombre  
el Rector de Mondragon  
Unibertsitatea



indiarren legeen legeriak jasotako ardurak eta baldintzen arabera,  
beharraz adierazitako titulua ematen diot honako honi:

considerando que, conforme a las disposiciones  
y circunstancias previstas por la legislación vigente,

## Ritanjali Sethy

Jaiotza data: 1988ko maiatzaren 15a  
Jaiotza lekua: Pondapal (India)  
Nazionalitatea: Indiarra

nacido el día 15 de mayo de 1988  
en Pondapal (India),  
de nacionalidad india.

hau ere, 2017ko urriaren itxarriak gainditu ditu  
unibertsitateko titulua ofizial  
hau eskuratzeko:

ha superado en octubre de 2017  
los estudios conducentes al título  
universitario oficial de

### Doktorea Doctora

Título hon Mondragon Unibertsitatearen da,  
Ingeniaritza Mehkanikako eta Energia Elektrikoko Doktorego Programaren baitan egindak,  
eta Ministerio Kontseiluaren erabakiaz, onartua 2014ko urtarrilaren 17an.  
Titulua ofizial honek ematen duen arren, ez du inolako  
nazioarteko legeriaren arabera deialdion  
eskubide garrantzirik ematen diotio tituladunari.

por la Universidad Mondragon Unibertsitatea, dentro del Programa de Doctorado  
en Ingeniería Mecánica y Energía Eléctrica, establecido por Acuerdo de Consejo  
de Ministros de 17 de enero de 2014,  
expide el presente título oficial con validez en todo el territorio nacional,  
que faculta a la interesada para disfrutar los derechos que a este título  
otorgan las disposiciones vigentes.

Astmatzen, 2017ko urriaren 17an ematen.

Dado en Mondragón, a 17 de octubre de 2017

La Universidad  
Doktorea

El Rector  
Errektorea

La Jefe del Servicio de Títulos  
Titulu-Registrazioaren Burua

Vicario Acta Unib.

Mikel Magariño Noya

0615-00866

Registro Nacional de Títulos Código de CENTRO: Registro Universitario de Títulos

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Principal  
Raajdhani Engineering College  
Bhubaneswar

