

क्रम संख्या  
Serial No. IG27-238328

नामांकन संख्या  
Enrolment No. 100165438

इन्दिरा गांधी राष्ट्रीय मुक्त विश्वविद्यालय  
INDIRA GANDHI NATIONAL OPEN UNIVERSITY

डॉक्टर ऑफ फिलॉसफी  
DOCTOR OF PHILOSOPHY

प्रमाणित किया जाता है कि

This is to certify that *Arup Kanti Konar*

को उनके शोध प्रबन्ध

having his/her thesis on "*New Developments on the Critical Fronts in the Theory of Economics: Contextual Reconstruction of Coddington's Hydraulic Keynesianism*".

के स्वीकृत हो जाने के उपरान्त डॉक्टर ऑफ फिलॉसफी की उपाधि  
approved, has been awarded the degree of Doctor of Philosophy

*Economics*

विश्वविद्यालय के सत्ताईसवें दीक्षांत समारोह  
of this University at its Twenty Seventh

में प्रदान की गई।

Convocation.

*[Signature]*

कुल सचिव  
Registrar



*[Signature]*

कुलपति  
Vice-Chancellor

नई दिल्ली / New Delhi

दिनांक / Date : April 11, 2014

# UNIVERSITY OF CALCUTTA



This is to certify that

*Taumiha Sen*

obtained the degree of Doctor of Philosophy  
(Arts) in *Geography*  
in this University in the year 1993 .

*Senate House,  
The 17th February, 1993.*

*R. Basu*  
Vice-Chancellor.

20135183



*Certified that*

**Sri Rajib Mistri**

*was admitted to the Degree of Doctor of Philosophy in Science of this University on 07/05/2013 and that the degree was conferred on him/her at the Convocation held in December 2013 with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of*  
**Jadavpur University** *is hereunto affixed.*



JADAVPUR UNIVERSITY  
The 24th December, 2013

  
Vice-Chancellor



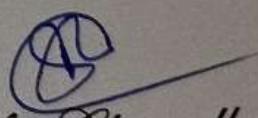
3176

# THE UNIVERSITY OF BURDWAN



*Samar Kanti Chakrabarty*  
.....  
having submitted a thesis entitled..... *A History of*  
*Receding Wetlands in West Bengal :*  
*Society, Ecology and Environment*  
*(1947-2000) "*.....and having satisfied all the  
conditions prescribed in this respect by the University,  
as per UGC Regulation 2009, was duly admitted  
to the Degree of Doctor of Philosophy in.....  
*History*.....in the year.....2021

*Rajbati, Burdwan*  
*The 9<sup>th</sup> March 2021*

  
*Vice Chancellor*



20083734



# Jadaupur University

Certified that Sri / Sm. Samar Kanti Chakrabartty

having passed the Final Examination of 2008 held in the year 2008, has been admitted to the Degree of Master of Philosophy in History with all the Rights and Privileges thereto appertaining at the Convocation held in 2008.

In Witness whereof the Signature of the Vice-Chancellor of Jadaupur University is herunto affixed.



JADAVPUR UNIVERSITY  
The 24th December, 2008

P. N. Gosh  
Vice-Chancellor



# VIDYASAGAR UNIVERSITY

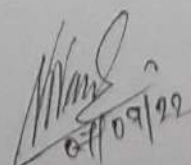
P.O. : Vidyasagar University, Midnapore - 721 102, Dist.: Paschim Medinipur.

Date : 07.09.2022

## PROVISIONAL CERTIFICATE

This is to certify that **Ghanashyam Mahato** has been awarded Ph.D. Degree provisionally on 07.09.2022 in *Botany* under the faculty of *Science* in accordance with the provisions of the Ph.D. Regulations, 2009 of the UGC for the thesis entitled " **STUDY OF PHYTOCHEMICAL ANALYSIS AND ANTIBACTERIAL ACTIVITIES OF SOME TRADITIONALLY USED PLANTS AGAINST CARBUNCLE FROM PURURLIA DISTRICT, WEST BENGAL, INDIA**". The candidate will be formally awarded the degree in the next Convocation of the University.



  
(Dr. J. K. Nandi)  
Registrar

Registrar  
VIDYASAGAR UNIVERSITY  
Midnapore-721102, W.B.

UNIVERSITY OF CALCUTTA



This is to certify that

*Santanu Bhattacharjee*

obtained the degree of **Doctor of Philosophy**  
(Arts) in *Bengali*  
in this University in the year 2012.

*Sulanjan Das.*  
Vice-Chancellor.

*Senate House,*  
*The 29th November, 2013*



UNIVERSITY OF CALCUTTA



This is to certify that

*Pharmistha Mukherjee*

obtained the degree of **Doctor of Philosophy**  
(Arts) in *Geography*  
in this University in the year 2012 .

*Suman Das*

Vice-Chancellor.

Senate House,  
The 29th November, 2013





# Indian Institute of Technology Kharagpur

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

## Doctor of Philosophy

*in*

## Physics and Meteorology

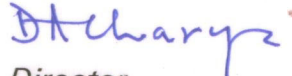
*on*

**Tarun Kumar Barik**

*Given under the seal of the Institute at Kharagpur on the eighth day of August, two thousand nine.*

  
Registrar



  
Director



# भारतीय प्रौद्योगिकी संस्थान खड़गपुर

अभिषद् की अनुशंसा पर

**भौतिकी एवं मौसम विज्ञान**

में

**तरुण कुमार बारिक**


को

**डॉक्टर ऑफ फिलोसॉफी**

की उपाधि आठ अगस्त सन् दो हजार नौ को खड़गपुर संस्थान की मुहर सहित प्रदान करता है।



  
कुलसचिव

  
निदेशक



INDIAN INSTITUTE OF TECHNOLOGY  
KHARAGPUR-721 302

PROVISIONAL CERTIFICATE

*for the degree of*  
DOCTOR OF PHILOSOPHY (Ph.D.)

*Certified that Tarun Kumar Barik in the Department of Physics & Meteorology has successfully completed all prescribed requirements for the degree of Doctor of Philosophy(Ph.D.) of the Institute.*

*The date of viva voce examination is: December 02, 2008.*

*The title of the thesis submitted is: Optical Probes for Liquids and Wet Foam.*

*This certificate is issued this day, the December 03, 2008 with approval of the authorities.*



Superintendent(PGS&R)



Deputy Registrar(Academic)

*Note: Validity of this certificate will expire on the award of the degree in the next convocation.*



विश्वभारती  
विश्वभारती  
Visva-Bharati



आचार्य: श्री नरेंद्र मोदी  
ACHARYA (CHANCELLOR)  
SHRI NARENDRA MODI

संस्थापक: रवीन्द्रनाथ ठाकुर  
Founder: Rabindranath Tagore

उपाचार्य: प्रोफेसर विद्युत चक्रवर्ती  
UPACHARYA (VICE-CHANCELLOR)  
PROF. BIDYUT CHAKRABARTY


Memo No. : VB/Exam./Ph.D./00424

Date : 30-06-2022

### To Whom It May Concern

This is to certify that Debmalya Das, Department of English, Bhasha-Bhavana, Visva-Bharati submitted his/her thesis on 28-06-2022 under the Supervision(s) of Prof. Amrit Sen, Department of English, Bhasha-Bhavana, Visva-Bharati, Birbhum-731235, West Bengal. His/her Registration No VB-65 of 2002-03 & Aadhaar No. 936596336914.

The title of his/her thesis is : **Cosmopolitanism and the Print Space: Rabindranath Tagore, Santiniketan, and The Visva-Bharati Quarterly**

  
Assistant Registrar (Examinations)  
Visva-Bharati

सहायक सचिव/Assistant Registrar  
(परीक्षा)/(Examination)  
विश्वभारती/Visva-Bharati



# VISVA-BHARATI



## Provisional Certificate

This is to Certify that

Sriman / Srimati ..... *Arijit Gangopadhyay (Ganguly)*  
has qualified for the Degree of Doctor of Philosophy (Ph. D.) on ..... *January 19,*  
..... *2013* ..... on presentation of a thesis as mentioned below under the

Department of... *Zoology, Siksha-Bhavana*.... The Degree  
will be conferred on him / her at the next Annual Convocation of the University.

Title of the thesis... *"Nutritional evaluation of...  
acridids (Acrididae: Orthoptera) in...  
supplementary diets for ornamental fish."*

SANTINIKETAN

Dated *22.01.2013*

*Debo*  
*22.01.2013*  
Deputy Registrar (Examinations)

VISVA-BHARATI



# Visva-Bharati

This is to certify that

*Arijit Gangopadhyay (Ganguly)*  
was admitted to the Doctor of Philosophy in the  
Department of Zoology under *Siksha-*  
*Bhavana* in this University in the year  
2013 on presentation of a dissertation titled  
“Nutritional evaluation of acridids  
(Acrididae: Orthoptera) in supplementary  
diets for ornamental fish.”

*Santa Jyoti*

Vice-Chancellor





S8D066004



# Jadavpur University

*Certified that*

**Sandeep Chakraborty**

*was admitted to the Degree of **Doctor of Philosophy in Science** of this University on **18.05.2022** and that the degree was conferred on him / her at the Convocation held in **December 2022** with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of **Jadavpur University** is hereunto affixed.*



JADAVPUR UNIVERSITY

The 24th December, 2022



*Sumanjan Das*  
Vice-Chancellor



PT. RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR

डॉक्टर ऑफ़ फ़िलॉसफ़ी  
DOCTOR OF PHILOSOPHY

प्रमाणित किया जाता है कि निर्मलेन्दू कोले

द्वारा डॉक्टर ऑफ़ फ़िलॉसफ़ी हेतु प्रस्तुत शोध-प्रबंध इस विश्वविद्यालय

द्वारा 2012 में स्वीकार किया गया, उन्हें आज कला

संकाय के अन्तर्गत अँग्रेजी विषय में डॉक्टर ऑफ़ फ़िलॉसफ़ी  
की उपाधि प्रदान की जाती है।

This is to certify that the thesis submitted by  
Nirmalendu Koley for the Degree of **DOCTOR OF PHILOSOPHY**  
has been accepted by the University, during the year 2012 and  
he/she is admitted today to the Degree of **DOCTOR OF PHILOSOPHY**  
in the subject **English** under the Faculty of **Arts**

शोध-प्रबंध का विषय (TITLE OF RESEARCH)

"COMMUNITY, GENDER AND IDENTITY IN THE PLAYS OF MAHESH DATTANI : A STUDY OF DATTANI'S FIVE PLAYS"



RANCHI UNIVERSITY, RANCHI.



No Ex/ 6881

Date 05/8/08

TO WHOM IT MAY CONCERN

This is to certify that Sri Chinmay Chattopadhyay has <sup>passed</sup>~~been~~ awarded the Doctor Philosophy ( Faculty of Humanties) Examination in Sanskrit held in the month of September, 2007 and his result was published on 23.11.2007 vide Ranchi University Memo No. Ex/2760-70.

*Chinmay*  
5.8.08  
Controller of Examinations  
Ranchi University, Ranchi.

*B. S. S.*  
4.8.08  
*W. S. S.*  
Controller of Examinations  
Ranchi University, Ranchi.



प्रमाणित किया जाता है कि चिन्मय चट्टोपाध्याय को, जिन्होंने सितम्बर 2007ई. में डॉक्टर ऑफ फिलॉसफी (मानविकी) परीक्षा में उत्तीर्णता प्राप्त की, आज यह उपाधि प्रदान की गयी।

शोध का विषय :

“बृहत्त्रयी में वर्णित राजनीति तत्व-एक तुलनात्मक विश्लेषण”



## RANCHI UNIVERSITY

*This is to certify that CHINMAY CHATTOPADHYAY passed Doctor of Philosophy (Humanities) Examination held in the month of September 2007, day admitted to the degree.*

Ranchi University, Ranchi

Dated : 17 APR 2010

*A. A. Chandra*  
Vice Chancellor.





# INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

upon the recommendation of the Senate hereby confers the degree of

## Doctor of Philosophy

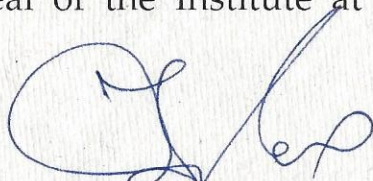
on

**Arun Kumar Sinha**

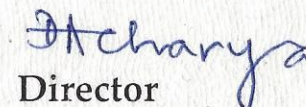
in recognition of the research work on

*Directional Growth of Metal and Metal Oxides for their Application as Photocatalyst,  
Spectroscopic and Superhydrophobic Nanomaterial*

Given under the seal of the Institute at Kharagpur on the Fifteenth day of September, Two Thousand and Twelve

  
Registrar



  
Director



H1D000140



*Certified that*

**Sri Biswajit Balal**

was admitted to the Degree of Doctor of Philosophy in Science of this University on 04.12.2017 and that the degree was conferred on him / her at the Convocation held in December 2017 with all the Rights and Privileges thereto appertaining.

In Witness whereof the Signature of the Vice-Chancellor of Jadavpur University is hereunto affixed.



JADAVPUR UNIVERSITY

The 24th December, 2017



*Sulanjan Das*  
Vice-Chancellor

A9D000002



# Jadavpur University

*Certified that*

**Sri Madhul Bule**

was admitted to the Degree of Doctor of Philosophy in Science of this University on 29.12.2017 and that the degree was conferred on him / her at the Convocation held in December 2018 with all the Rights and Privileges thereto appertaining.

In Witness whereof the Signature of the Vice-Chancellor of Jadavpur University is herewith affixed.

JADAVPUR UNIVERSITY  
The 24th December, 2018



*Sulayan Das*  
Vice-Chancellor





By order of the Vice-Chancellor, Ranchi University, Ranchi undermentioned candidate is declared to have passed the Doctor of Philosophy (Faculty of Humanities) examination in Bengali, held in the month of October 2012.

Name of the candidate	Topic of the thesis
ARUNAVA MUKHERJEE	"Nazrul Chetanay Rabindranather Probhab"

Sd/-A.K.Mahato  
Controller of Examinations  
Ranchi University, Ranchi

Memo No. Ex/ 9862-72

Date : 09.11.12

Copy forwarded to :

1. The candidate concerned,
2. The Supervisor –Dr. N.K.Bera, Deptt. of Bengali, Ranchi University, Ranchi.
3. The Dean, Faculty of Humanities, Ranchi University, Ranchi
4. The Head, University Deptt. of Bengali, Ranchi University, Ranchi
5. The External examiners concerned
6. The Registrars of all Universities in Jharkhand
7. The Asstt. In-charge, Degree Section, Ranchi University, Ranchi.
8. The Librarian, National Library, Kolkata
9. The Director of National Archives, New Delhi for information
10. The Editors :
  - a. Ranchi Express, Ranchi
  - b. Prabhat Khabar, Ranchi
  - c. Hindustan, Ranchi.

for favour of publication free of cost if they so desire





प्रमाणित किया जाता है कि अरुणव मुखर्जी को, जिन्होंने अक्टूबर 2012ई. में डॉक्टर ऑफ फिलॉसफी (मानविकी) परीक्षा में उत्तीर्णता प्राप्त की, आज यह उपाधि प्रदान की गयी।



## RANCHI UNIVERSITY

*This is to certify that ARUNAVA MUKHERJEE passed Doctor of Philosophy (Humanities) Examination held in the month of October 2012, day admitted to the degree.*

*Topic of Research:*

*"Nazrul Chetanay Rabindranather Probbhab".*

Ranchi University, Ranchi

Dated: 25th NOV 2013

*L.N. Bhagat*

Vice Chancellor

# RANCHI UNIVERSITY, RANCHI



## CERTIFICATE

This is to certify that **ARUNAVA MUKHERJEE** registered on **17.02.2009** for Ph.D programme in **BENGALI** and awarded degree in the month of **October 2012** has fulfilled the following points :

- a. Mode of award of Ph.D degree : **REGULAR**
- b. Evaluation of Ph.D thesis by **TWO** external examiners.
- c. Conduction of Ph.D viva-voce : **OPEN**
- d. Number of research papers published from his/her thesis **TWO** out of which **ONE** published in refereed journal.
- e. Number of research papers based on his/her Ph.D work presented in conference/seminar : **TWO**.

  
Controller of Examinations  
Ranchi University, Ranchi

  
08.02.2018  
Vice-Chancellor/Pro Vice-Chancellor  
Ranchi University, Ranchi

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# विनोबा भावे विश्वविद्यालय

NO. 01140



हजारीबाग (झारखण्ड)

## डॉक्टर ऑफ फिलॉसफी

प्रमाणित किया जाता है कि .....शिवाजी सिंह देव..... को,  
जिन्होंने माह जुलाई....., 2012 में आयोजित डॉक्टर ऑफ फिलॉसफी  
( 'विज्ञान संकाय, गणित' ) परीक्षा उत्तीर्ण की, आज यह उपाधि प्रदान की गई।

शोध का विषय :

... "A STUDY OF SOME MATHEMATICAL MODELS IN AIR POLLUTION OF BOKARO..  
INDUSTRIAL AREA "

## VINOBA BHAVE UNIVERSITY

Hazaribag (Jharkhand), India

### Doctor of Philosophy

This is to certify that .....Shibajee Singh Deo..... who  
passed the **Doctor of Philosophy** (Faculty of Science.....) examination,  
held in the month of .....July....., 2012 <sup>Mathematics</sup> was this day admitted to  
the Degree.

Topic of Research :

" A STUDY OF SOME MATHEMATICAL MODELS IN AIR POLLUTION OF BOKARO  
INDUSTRIAL AREA "



\* V B U O 1 1 4 0 P H D \*

विनोबा भावे विश्वविद्यालय, हजारीबाग  
Vinoba Bhave University, Hazaribag

दिनांक / Date : 26 फरवरी 2014

Surendra Singh Meena  
कुलपति

Vice Chancellor



# Indian Statistical Institute



*certifies that*

**Sukrit Chakraborty**

*was admitted to the degree of*

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

*of the Institute on 4th November, 2020.*

*Bisak Debary*  
President

*SPandyaopadhyay*  
Director

*D. Sengupta*  
Dean of Studies

*Dated Kolkata, the Twenty seventh day of January 2021*

