

UNIVERSITY OF CALCUTTA



This is to certify that

Arghya Sarkar

obtained the degree of Doctor of Philosophy
(Technology) in *Applied Physics (Electrical Engineering)*
in this University in the year 2010.

Sujan Das
Vice-Chancellor

Senate House,
The 5th October 2010.

UNIVERSITY OF CALCUTTA



This is to certify that

Tapan Kumar Lai

obtained the degree of Doctor of Philosophy
(Science) in *Chemistry*
in this University in the year 2008 .

Senate House,
The 11th September, 2009

Sulayan Das
Vice-Chancellor.

THE UNIVERSITY OF BURDWAN

2338



Suparna Nandy (Pal)

having submitted a thesis entitled "*A Study on Volatility in the Indian Stock Market since the Introduction of Derivative Trading*"

and having satisfied all the conditions prescribed in this respect by the University was duly admitted to the degree of

Doctor of Philosophy in *Economics*

in the year..... *2014*.....

Rajbati, Burdwan

The 10th December, 2014

Vice - Chancellor

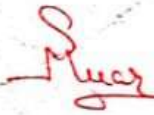
The
Maharaja Sayajirao
University of Baroda

Whereas **Shri Biswajay Brahmachari**
of the Faculty of Science has pursued a
course of study prescribed by the
University and passed the requisite
Examination

Now therefore this is to certify that he
has this day been duly admitted by the
Senate to the Degree of

Doctor of Philosophy
(Physics)

Given under my hand this Twentieth day
of February one thousand nine hundred
and ninety five



Chancellor



UNIVERSITY OF CALCUTTA



This is to certify that

Sandip Mukherjee

obtained the degree of **Doctor of Philosophy**
(Science) in *Chemistry*
in this University in the year 2008.

Sumanjan Das
Vice-Chancellor.

Senate House,

The 23rd September, 2008.

University Of Kalyani



This is to Certify that

Debasish Joddar

obtained the Degree of Doctor of Philosophy (Arts & Commerce) in

Economics

in this University

in the year 2016

Kalyani

Sushobh

Vice-Chancellor

07 SEP 2017

Vistra-Bharati

This is to certify that

Sri Gadab Lal Santra

was admitted to the Degree of Doctor of
Philosophy in this University in the
year 1997

on presentation of a thesis entitled

*"Appraisal of Human Resources Development and
Utilization in Rampurhat P. S., Dist. Birbhum (W. Bengal)"*

Dr. Li
Vice-Chancellor



January 11, 1998
Santiniketan _____, 19____

University of Kalyani

Kalyani-741235, Nadia, West Bengal



Prof. Debansu Ray
Registrar

Phone : (O) 2582-8750/8378/8293/
8478/8889/9356/8478
(D) 2502-5762
(F) 00-91-33-2582-2505
E-mail : registrar@klyuniv.ac.in
registrarklyuniv@gmail.com

ESTD. : 1960

Provisional Ph.D. Certificate

No. Ph.D./Commerce/AKRC/080(30)/2024

May 24, 2024

This is to certify that on the recommendation of the Board of Examiners, the thesis submitted by **Anjan Kumar Roy Choudhury** for the award of **Ph.D. Degree** of this University and on the performance of his/her Ph.D. Open Viva vide Reg.12.18 (as per Regulation 2022, K.U.), he/she has been admitted to the aforesaid degree on **16.05.2024** in Commerce under the faculty of Arts & Commerce.

The Ph.D. Degree has been awarded in accordance with the provisions of UGC (Minimum Standards and Procedure for Awards of M.Phil./Ph.D. Degree) Regulation.

Title of the Thesis:

"REFORMS IN INDIRECT TAX IN INDIA: A STUDY WITH REFERENCE TO WEST BENGAL"

His/Her Degree will be conferred by the Hon'ble Chancellor at the next Convocation of this University.


Registrar 24/5/24
REGISTRAR
University of Kalyani
Kalyani, Nadia-741235
West Bengal

University Of Kalyani



This is to Certify that

Sanjoy Pramanick

obtained the Degree of Doctor of Philosophy (Arts)
in *Bengali* in this University
in the year 2003 .

Kalyani

14 NOV 2003

Saha
Vice-Chancellor

रांची विश्वविद्यालय



प्रमाणित किया जाता है कि डा. संजय प्रमाणिक को, जिन्होंने अगस्त 2022 ई. में डॉक्टर ऑफ लिटरेचर (मानविकी) परीक्षा में उत्तीर्णता प्राप्त की, आज वह उपाधि प्रदान की गयी।



RANCHI UNIVERSITY

This is to certify that DR. SANJOY PRAMANICK passed the Doctor of Literature (Humanities) Examination held in the month of August 2022, was this day admitted to the degree.

Topic of Research:

"BANGLA SAMOYIK PATRER SHOILI BICHAR (DIGDARSHAN THEKE SOBUJPATRA)."

Ranchi University, Ranchi

Dated :

02 MAY 2023

Vice Chancellor

UNIVERSITY OF CALCUTTA



This is to certify that

Susmita Saha

obtained the degree of Doctor of Philosophy
(Arts) in *Bengali*
in this University in the year 2005.

A. K. Banerjee

Vice-Chancellor

Senate House

The 28th April, 2005

Visva-Bharati

This is to certify that

Debalina Banerjee

was admitted to the Doctor of Philosophy in the Department of *English & Other Modern European Languages* under *Bhasha-Bhavana* in this University in the year 2016 on presentation of a dissertation titled

“‘Mother’ and ‘Wife’ : Interrogating Stereotypes in Five Indian English Women Novelists.”

S. C. Datta

Vice-Chancellor



Santiniketan March 10, 2017

20E12114402X158

The Registrar
University of Calcutta



University of Calcutta

Senate House
87/1, College Street
Kolkata - 700 073

Phone : +91-33-2241-0071/4984

Fax : +91-33-2241-3222/88

eMail : phdcaluni@yahoo.co.in

Letter: 01679/Ph.D.(Com.)

Dated: 19th March 2018

To
Sri Sarajit Sardar
Srijan Residency, Flat No.-4C,
48/1, Dhakuria Station Road, Kolkata-700031.

Dear Sir,

*I am to inform you that on the recommendation of the Board of Examiners on their adjudication of the undernoted thesis submitted by you for the **Ph.D.(Com.)** Degree of this University and on the results of the viva-voce examination, you have been admitted to the aforesaid degree on **March 19, 2018** in Commerce.*

Yours faithfully,

Sarajit Sardar
2/0 Registrar
19/03/2018

Title of Thesis : Relationship Marketing Strategies: A Study On Some Selected Banks In Kolkata.

G3D000211



Jadaupur University

Certified that

Smt. Sugamasree Ghosh Bastidar

was admitted to the Degree of Doctor of Philosophy in Science of this University on 09.12.2016 and that the degree was conferred on him/her at the convocation held in December 2016 with all the Rights and Privileges thereto pertaining.

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



Sujan Das
Vice-Chancellor

JADAVPUR UNIVERSITY

24th December, 2016.

20080044



Jadaupur University

Certified that

Sri Pushan Banerjee

was admitted to the Degree of Doctor of Philosophy in Engineering of this University on 09/04/2008 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 Jadaupur University are hereunto affixed.

P. N. Saha

Vice-Chancellor

The 24th December, 2008




Chancellor

UNIVERSITY OF CALCUTTA



This is to certify that

Swati Bandyopadhyay

obtained the degree of **Doctor of Philosophy**

(Arts) in

History

in this University in the year 2018 .

Senate House,

7.1.2019

SCB
Vice-Chancellor

2000148



Jadavpur University

Certified that

Smt Sarbari Ghosh (nee Das)

was admitted to the Degree of Doctor of Philosophy in Science of this University on 23/02/2000 and that the degree was conferred on her at the Convocation held in December 2000 with all the Rights and Privileges thereto appertaining.

In Witness whereof the Signatures of the Chancellor and the Vice-Chancellor of Jadavpur University are herunto affixed.

S. Das

Vice-Chancellor
The 24th December, 2000

Pranjal

Chancellor



प्रमाणित किया जाता है कि प्रणति सिन्हा (मल्लिक) को, जिन्होंने नवम्बर 2010ई. में डॉक्टर ऑफ फिलॉसफी (मानवीकि) परीक्षा में उत्तीर्णता प्राप्त की, आज यह उपाधि प्रदान की गयी।



RANCHI UNIVERSITY

This is to certify that PRANATI SINHA (MALLICK) passed Doctor of Philosophy (Humanities) Examination held in the month of November 2010, day admitted to the degree.

Topic of Research:

"Prastab theke Pratyay : Nari Byaktitwer Bibartan (1875-1925) Bangla Samayik patra O Prabondha Sahityer Alope"

Ranchi University, Ranchi

Dated :

10 Nov.

MAJUMDAR
Vice Chancellor

UNIVERSITY OF CALCUTTA



This is to certify that

Harick Malik

obtained the degree of Doctor of Philosophy
(Science) in Physics

in this University in the year 2017 .

Sonali Chakravarti Banerjee

Vice-Chancellor

Senate House,
The 11th day of January, 2018

20100068



Jadavpur University

Certified that

Smt. Shymasree Basu

was admitted to the Degree of Doctor of Philosophy in Arts of this University on 22/11/2010 and that the degree was conferred on him/her at the Convocation held in December 2010 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, 2010

Pradipto Nandy
Vice-Chancellor

Bengal Engineering and Science University, Shibpur

Howrah-711103, West Bengal, India



This is to certify that

Alakes Maiti

*obtained the degree of Doctor of Philosophy
(Science) in Mathematics in this University
in the year 2009.*

N. R. Prasad
Vice Chancellor

[Signature]
Chancellor

The 16th February, 2009

UNIVERSITY OF CALCUTTA



This is to certify that

Tamal Das

obtained the degree of **Doctor of Philosophy**
(Science) in *Physiology*
in this University in the year 2008.

Senate House,

The 23rd September, 2008

Sulanjan Das
Vice-Chancellor.

S4D000058



Jadavpur University

Certified that

Smt. Shalini Gupta

was admitted to the Degree of Doctor of Philosophy in Arts of this University on 20.06.2022 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



Sulanjan Das

Vice-Chancellor

दिल्ली विश्वविद्यालय



UNIVERSITY OF DELHI

प्रमाणित किया जाता है कि फरवरी, 2014 में शोध प्रबंध स्वीकृत हो जाने के उपरांत

‘प्रियंका खंडुरी’

को 2014 के दीक्षांत-समारोह में दिल्ली विश्वविद्यालय की विद्या-वाचस्पति की उपाधि प्रदान की गई।

विभाग: वनस्पति विज्ञान

This is to certify that on approval of the thesis in February, 2014

'Priyanka Khanduri'

qualified for the degree of Doctor of Philosophy (Ph.D.) of this University. The said Degree was conferred upon him/her at the Convocation held in 2014.

Department: Botany



Alta Shauve

कुलसचिव

दिल्ली विश्वविद्यालय

Registrar

University of Delhi

दिल्ली, दिनांक 14 मार्च, 2014

Delhi, Dated the 14th March, 2014

D.S.A

कुलपति

दिल्ली विश्वविद्यालय

Vice Chancellor
University of Delhi

नामांकन संख्या

Enrol. No. KM -84/2003



UNIVERSITY OF CALCUTTA



This is to certify that

Mohsin Islam

obtained the degree of **Doctor of Philosophy**

(Science) in Applied Mathematics

in this University in the year 2015 .

Senate House,
The 9th December, 2015

Suente Majid
Vice-Chancellor

Registrar
University of Calcutta



20819214101X115

University of Calcutta

Senate House

87/1, College Street

Kolkata - 700 073

Phone : +91-33-2241-0071/4984

Fax : +91-33-2241-3222/88

eMail : phdcaluni@yahoo.co.in

Letter: 02074/Ph.D.(Sc.)

Dated: 27th March 2023

To
Sri Shubhankar Roy
Vill.-Paschimpara, PO-Haldibari,
Dist.-Coochbihar, Pin-735122.

Dear Sir,

I am to inform you that on the recommendation of the Board of Examiners on their adjudication of the undernoted thesis submitted by you for the Ph.D.(Sc.) Degree of this University in terms of 4.8 Regulation for the Degree of Doctor of Philosophy (Ph.D.), C.U., framed under UGC Guidelines, 2009, and on the results of the viva-voce examination, you have been admitted to the aforesaid degree on March 24, 2023 in Physics.

Yours faithfully,

Debasis Das 27/03/2023

Registrar

REGISTRAR

UNIVERSITY OF CALCUTTA

Title of Thesis : **Electronic Transport And Magnetic Responses Of Some Topological Semimetals.**

Registrar
University of Calcutta



20819214101X115

University of Calcutta

Senate House

87/1, College Street

Kolkata - 700 073

Phone : +91-33-2241-0071/4984

Fax : +91-33-2241-3222/88

eMail : phdcaluni@yahoo.co.in

Letter: 02074/Ph.D.(Sc.)

Dated: 27th March 2023

To

Sri Shubhankar Roy

Vill.-Paschimpara, PO-Haldibari,

Dist.-Coochbihar, Pin-735122.

Dear Sir,

I am to inform you that on the recommendation of the Board of Examiners on their adjudication of the undernoted thesis submitted by you for the Ph.D.(Sc.) Degree of this University in terms of 4.8 Regulation for the Degree of Doctor of Philosophy (Ph.D.), C.U., framed under UGC Guidelines, 2009, and on the results of the viva-voce examination, you have been admitted to the aforesaid degree on March 24, 2023 in Physics.

Yours faithfully,

Debasis Das
27/03/2023

Registrar

REGISTRAR
UNIVERSITY OF CALCUTTA

Title of Thesis : **Electronic Transport And Magnetic Responses Of Some Topological Semimetals.**

G4D000044



Jadavpur University

Certified that

Smt. Srinwanti Mukhopadhyay

was admitted to the Degree of Doctor of Philosophy in Arts of this University on 21.06.2019 and that the degree was conferred on him/her at the Convocation held in December 2019 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, 2019



Surenjan Das
Vice-Chancellor

UNIVERSITY OF CALCUTTA



This is to certify that

Pradip Kumar Das

obtained the degree of Doctor of Philosophy

(Science) in Chemistry

in this University in the year 2016 .

Sonali Chakravarti Banerjee

Vice-Chancellor

Senate House,
The 11th day of January, 2018



WEST BENGAL STATE UNIVERSITY

Berunanpukuria, Malikapur Barasat

24 Parganas (North), Kolkata - 700 126

Phone : (033) 2524 1975 / 1976 / 1978 / 1979 Fax : (033) 2524 1977

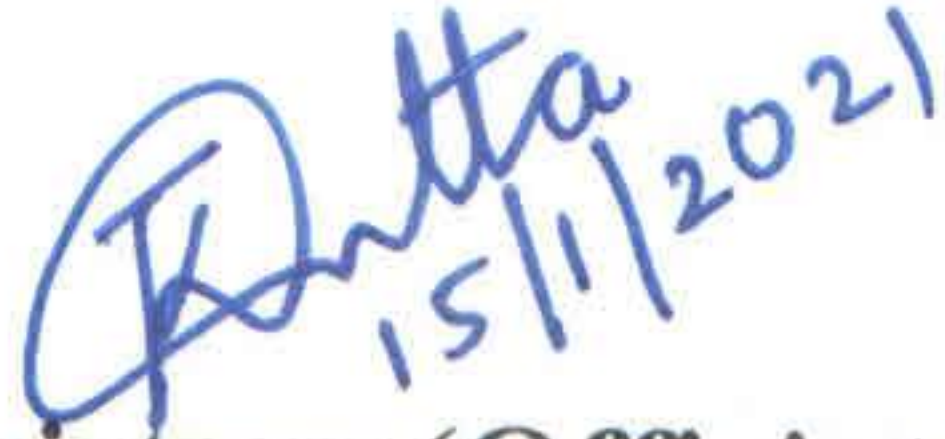
Ref. No : ..WBSU/Reg./Ph.D./Provisional/Cert./104/21

Date :15.01.2021.....

To
Ms. Parbati Chatterjee
Ph.D. Scholar
Department of Zoology
West Bengal State University

Provisional Certificate

I am to inform you that on the recommendation of the Board of Examiners on their adjudication of the thesis titled "MANTODEAN DIVERSITY OF WEST BENGAL" submitted by you for Ph.D. (Science) Degree of this University and on the results of the Viva-Voce Examination, you have been admitted to the aforesaid degree on 16.10.2020 in Zoology. in compliance with UGC Ph.D. Regulation, 2009 and also as per University Ph.D. rules duly approved by the 29th Executive Council in its meeting dated 18.12.2020.


Registrar (Officiating)
West Bengal State University

Registrar (Officiating)
West Bengal State University
Barasat, Kolkata-700126

University of Kalyani

Kalyani-741235, Nadia, West Bengal



Prof Debansu Ray
Registrar

Phone : (O) 2582-8750/8378/8293/
8478/8889/9356/8478
(D) 2502-5762
(F) 00-91-33-2582-2505
registrar@klyuniv.ac.in
E-mail : registrarklyuniv@gmail.com

ESTD. : 1960

Provisional Ph.D. Certificate

No. Ph.D./Physio./AD/058(30)/2019

May 16, 2019

This is to certify that on the recommendation of the Board of Examiners, the thesis submitted by **Smt. Aindrila Das** for the award of **Ph.D. Degree** of this University and on the performance of his/her Ph.D. Open Viva vide Reg.13 (D.D.) & Reg.14 (D.D.) (as per Regulation 2016, K.U.), he/she has been admitted to the aforesaid degree on **29.04.2019** in **Physiology** under the faculty of **Science**.

The Ph.D. Degree has been awarded in accordance with the provisions of UGC (Minimum Standards and Procedure for Awards of M.Phil./Ph.D. Degree) Regulation, 2009.

Title of the Thesis:

"STUDIES ON THE INFLUENCE OF CALORIC RESTRICTION DURING AGING IN RELATION TO PHYSICAL ACTIVITY AND COGNITIVE RESPONSE"

His/Her Degree will be conferred by the Hon'ble Chancellor at the next Convocation of this University.


Registrar
REGISTRAR
University of Kalyani
Kalyani, Nadia-741235
West Bengal

UNIVERSITY OF CALCUTTA



This is to certify that

Ram swarup Gangopadhyay

obtained the degree of **Doctor of Philosophy**

(**Science**) in *Physics*

in this University in the year 1988 .

Raychandran
Vice-Chancellor.

Senate House,
The 15th April 1988

960180



Jadavpur University

Certified that
Smt. Madhumita Das Gupta
was admitted to the Degree of Doctor of Philosophy in Science of this
University on 03.07.96 and that the degree was conferred on
him/her at the Convocation held in 24th December 1996 with all the Rights
and Privileges thereto appertaining.

In Witness whereof the Signatures of the Chancellor and the Vice-Chancellor
of Jadavpur University are hereunto affixed.

S, C, Som
Vice-Chancellor

Attested
B. R. Das
2/4/01

K. V. Rajkumar Das
Chancellor

Professor
Dept. of Mathematics
JADAVPUR UNIVERSITY
Calcutta-700032