

No. AU/OC/22/ 09114



SILCHAR : ASSAM : INDIA

(A Central University Constituted By an Act of Parliament)

DOCTOR OF PHILOSOPHY

This is to certify that

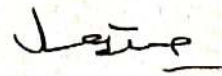
DEBAJYOTI MISRA

bearing University Registration No. 43-150078348 of 2015-2016
was admitted to the Degree of Doctor of Philosophy in
Electronics & Communication Engineering under Triguna Sen School
of Technology having qualified for
the same on 27.07.2021.

The Degree is conferred in the 19th Convocation of the University
held on 5th May, 2022.

Given under the seal of Assam University this 5th day of May
2022.

Silchar, Assam (India)


Vice Chancellor

• The Degree is awarded in accordance with the UGC Regulations-2009 for Ph.D / M.Phil

UNIVERSITY OF CALCUTTA



This is to certify that

DIA GHOSH

obtained the degree of **Doctor of Philosophy**

in **Radio Physics and Electronics** under the

Faculty of **Technology** of

this University in the year 2022.

Admitted to the degree on **September 20, 2022**.

Senate House,

January 18, 2023

Asis Kumar Chattopadhyay

Vice-Chancellor.



सीनेट की अनुशंसा पर

भारतीय अभियांत्रिकी विज्ञान एवं प्रौद्योगिकी संस्थान, शिबपुर

का शासी मंडल

मानस कुमार पराई

को

इंजीनियरिंग

में

डॉक्टर ऑफ फिलॉसफी

की उपाधि प्रदान करता है।

इन्होंने नियमों के तहत 22 नवंबर 2022 में निर्धारित पाठ्यक्रम सफलतापूर्वक पूरा कर लिया है।
भारतीय गणराज्य के अंतर्गत शिबपुर में यह संस्थान-मुद्रांकित उपाधि आज दिनांक 16 दिसंबर 2022 को प्रदान की गई।

The Board of Governors

of the

Indian Institute of Engineering Science and Technology, Shibpur

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

Doctor of Philosophy

in

Engineering

on

Manas Kumar Parai

on his having successfully completed the prescribed requirements of the degree on

November 22, 2022

*Given this day, under the seal of the Institute, at Shibpur in the Republic of
India, the 16th day of December 2022.*

कुलसचिव
Registrar



निदेशक एवं अध्यक्ष, सीनेट
Director and Chairman, Senate

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: 00956/Ph.D.(Tech.)

Dated: 8th February 2023

To
Sri Asit Barman
Vill.-Rangamati, PO-Ramthenga,
via-Falakata, Dist.-Coochbehar,
Pin-735211.

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.(Tech.)** Degree of this University in terms of 6.6 Regulation for the Degree of Doctor of Philosophy (Ph.D.), C.U., framed under UGC Guidelines, 2016, and on the results of the viva-voce examination, you have been admitted to the aforesaid degree on **February 8, 2023 in Information Technology.**

Yours faithfully,

Sebasish Das
Registrar 08/02/2023

Title of Thesis : **Some Studies On Human Emotion Recognition From Face Images.**

Asit Barman
12/08/23



राष्ट्रीय प्रौद्योगिकी संस्थान मिजोरम
NATIONAL INSTITUTE OF TECHNOLOGY MIZORAM
 (An Institution of National Importance under Ministry of Education, Govt. of India)
 CHALTLANG, AIZAWL, MIZORAM-796012

PROVISIONAL CERTIFICATE

for

Degree of Doctor of Philosophy (Ph.D.)

This is to certify that Mr. Dipankar Saha bearing Enrollment No.: DT17ME006 has submitted the thesis entitled, "Assessing the Potential of Emulsified Plastic Oil for CI Engine with Emphasis on Performance Improvement and Emission Reduction".

He has successfully completed all prescribed requirements for the award of Degree of Doctor of Philosophy (Ph.D.) in Mechanical Engineering.

He appeared before the Oral Examination Board constituted as per Regulations of the Institute on 12.05.2023.

The Degree shall, however, be conferred at the next Convocation of this Institute upon the recommendation of Senate and with the approval of the Board of Governors.

Date: 26 May, 2023




Registrar

N.B: This Provisional Certificate is valid till the degree is awarded.

मुख्याधिकारी/Registrar
 रा. प्रौ. सं. मिजोरम
 NIT Mizoram

Congratulations

@ Boyon

02/06/23

A3D000048



Jadavpur University

Certified that

Asit Aich

was admitted to the Degree of Doctor of Philosophy in Engineering of this University on 28.08.2018 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



Sumanjan De
Vice-Chancellor

Asit - ul
11/7/22

राष्ट्रीय प्रौद्योगिकी संस्थान पटना
National Institute of Technology Patna



Sl. No. 001515

अभिषद् की अनुशंसा पर
विश्वाजित राय
को निर्धारित अर्हताएँ सफलतापूर्वक पूर्ण करने पर
विद्या वाचस्पति
संगणक विज्ञान एवं अभियांत्रिकी
की उपाधि आज दिनांक २५ दिसम्बर २०२१ को प्रदान की गई।
शोध प्रबन्ध शीर्षक: मशीन लर्निंग फॉर रेनफॉल-रनऑफ मॉडलिंग यूजिंग
ऑप्टिमाइजेशन टेक्निक्स

On the recommendation of the senate
BISHWAJIT ROY

having successfully completed the prescribed requirements of

Doctor of Philosophy

Computer Science & Engineering

is being awarded the Degree on this day of 25th of December 2021.

*Thesis Title: Machine Learning for Rainfall-Runoff Modeling
using Optimization Techniques*



निदेशक एवं अध्यक्ष, अभिषद्
Director & Chairman, Senate

अध्यक्ष, संचालक मंडल
Chairman Board of Governors



भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद
INDIAN INSTITUTE OF TECHNOLOGY (INDIAN SCHOOL OF MINES)
DHANBAD

धनबाद -826004 झारखंड, भारत
DHANBAD-826004, JHARKHAND, INDIA

No. 2123/EXAM/2199/PhD/CSE/PKR/22

Dated: 08.06.2023

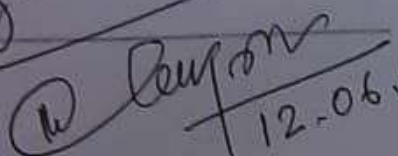
PROVISIONAL CERTIFICATE

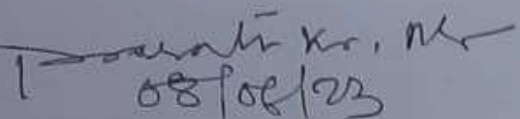
This is to certify that **Prasanta Kumar Roy** (Regn. No. 18DR0099) successfully passed the viva-voce examination on 29.05.2023 and fulfills the requirement(s) for the award of Doctor of Philosophy (Ph. D.) Degree on the basis of thesis entitled "**DESIGN AND ANALYSIS OF AUTHENTICATION PROTOCOLS FOR HETEROGENEOUS SCENARIOS OF LOCATION-BASED SERVICES**" submitted under the guidance of Prof. Ansuman Bhattacharya (Guide); Indian Institute of Technology (Indian School of Mines), Dhanbad vide result notification No. Exam/219905/Ex.Bd/2007-08 (Vol. III) dated 08.06.2023.


08/06/2023
Deputy Registrar (Academic)
उप कुलसचिव (शैक्षणिक)
भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद
Deputy Registrar (Academic)
INDIAN INSTITUTE OF TECHNOLOGY (INDIAN SCHOOL OF MINES), DHANBAD



Congratulations!!


12.06.23


08/06/23

UNIVERSITY OF NORTH BENGAL

Accredited by NAAC with Grade A

Deputy Registrar
Raja Ram Mohunpur
P.O. North Bengal University
Dist. Darjeeling, West Bengal
PIN - 734 013



সমান্নো মন্ডল: সমিতি: সমান্নো

Phone: (0353) 2776331/2699008 (CR)
Fax: (0353) 2776313, 2699001
Visit us at: <http://www.nbu.ac.in>
Email: regnu@nbu.ac.in
regnbu@sancharnet.in
regnbuphd@nbu.ac.in

No. Ph.D/Chem. / 3/3 /R-2021

Date: 16/03/2021

PROVISIONAL CERTIFICATE

To,
Sri Rabindranath Singha,
C/o. Prof. P. Ghosh,
Dept. of Chemistry, NBU.

Sir,

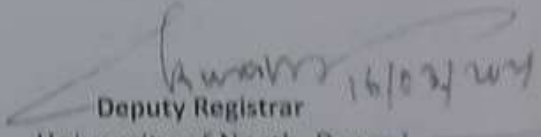
This is to certify that based on adjudication reports of the Board of Examiners, and on the basis of the recommendation of Board of examiners on the *Viva-voce* Examinations of the undernoted thesis, you have been **awarded the Degree of Doctor of Philosophy in Chemistry (Faculty of Science)** of University of North Bengal on **15/03/2021** as per **UGC Regulations, 2009** relating to Ph.D. and in accordance with the provisions of the Ordinances of the University relating to Ph.D.

You shall be provided with the ceremonial certificate in the immediately next Convocation of the University.

Yours faithfully,

TITLE OF THE THESIS:

"Chemical transformation of Carbocyclic Compounds
and Development of Novel Reaction Protocols"


Deputy Registrar

University of North Bengal

Self attested by Rabindranath Singha

Indian Institute of Technology Bhubaneswar

14MA09002



upon the recommendation of the Senate hereby confers the degree of

Doctor of Philosophy

in

Basic Sciences (Mathematics)

on

Samit Ghosh

for his research work on

"A Numerical Investigation of Fully Non-Linear Magnetohydrodynamic Flows with Heat Transfer around Bluff Bodies"

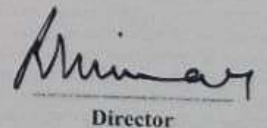
Given under the seal of the Institute at Bhubaneswar

on

the twentieth day of October, two thousand and twenty one




Registrar


Director



University of Gauhati

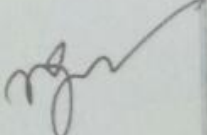
GU-P-A 051549



Doctor of Philosophy(Ph.D.), 2018
(Provisional Certificate)

This is to certify that
Debasmiti Bhattacharjee
(Registration No 005089 of 2003-04)
qualified for the Degree of Doctor of Philosophy
(Ph.D.) of this University in the faculty of
Science (Mathematics) in the year 2018 for
his/her thesis - A Graph Theoretic Perspective on
Periodicity and Limit cycle Behaviour of some
Nonlinear Systems.

Gopinath Bardoloi Nagar
Guwahati - 781014 (Assam)


Registrar

Indian Institute of Technology Kharagpur

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

Doctor of Philosophy

on

Susanta Kumar Saha

*who has successfully completed the prescribed requirements in
the Department of Chemistry*

*Given under the seal of the Institute at Kharagpur in the
Republic of India on the Fifteenth day of June, One thousand
nine hundred and ninetysix.*

Shandee
Registrar

[Signature]
Director

09

UNIVERSITY OF NORTH BENGAL



ENLIGHTENMENT TO PERFECTION
Accredited by NAAC with 'A' Grade

This is to certify that

Jayanta Dutta

obtained the

*Degree of Doctor of Philosophy (Science) in
Computer Science & Application
from this University in the year 2016
according to the U.G.C. Regulations 2009.*

The Title of his/her Ph.D. thesis is

**"Computational aspects of some mathematical and
numerical problems"**

Raja Rammohunpur

Darjeeling 734013
June 02, 2017

Somnath Ghosh
Vice Chancellor

University of North Bengal

H7D000103



Jadavpur University

Certified that

Manas Saha

was admitted to the Degree of Doctor of Philosophy in Engineering of this University on 24.10.2017 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



Sumanjan Das
Vice-Chancellor

University Of North Bengal



This is to certify that **Banani Adhikari**
has this day been admitted to the degree of Doctor of Philosophy
(Ph.D.) in **Physics** *in the Faculty of*
Science *in recognition of the thesis,.....*
..... **"STUDY OF PHYSICAL PROPERTIES OF SOME LIQUID**
..... **CRYSTALS - HAVING NEMATIC AND SMECTIC PHASES "**

Raja Rammohunpur
Dist. Darjeeling

The 15th March, 1997.

R. G. Murali
Vice-Chancellor

UNIVERSITY OF NORTH BENGAL



Phone: (0353) 2699-008 (office)
Fax : (0353) 2776-313
Visit us at <http://www.nbu.ac.in>
e-mail : regnbu@sancharnet.in
regnbu@nbu.ac.in
P.O.North Bengal University
Raja Rammohunpur, Dt. Darjeeling
West Bengal, India, PIN – 734 013

REGISTRAR (Offg.)


Enlightenment to Perfection

Ref. No. Ph.D/ 2073 /R-2015

Date: 23/11/2015

TO WHOM IT MAY CONCERN

This is to certify that **Sri Shuvendu Dey** has been admitted to the Ph.D. (Commerce) Degree in **Commerce (as per New Ordinances)** (framed as per UGC regulation, 2009) as per decision of the Executive Council, University of North Bengal held on **15/10/2015**. The title of his thesis is **“Store Loyalty Behavior of Urban Shoppers: A Comparative Study between Organized and Unorganized Retail”**. This provisional certificate is being issued as the Annual Convocation for the year 2016 is yet to take place.


Registrar (Offg.)
23.11.15



विद्या वाचस्पति

प्रमाणित किया जाता है कि श्री/श्रीमती/कु. सुदीप कुमार घोष पंजीयन संख्या 17021110

ने वर्ष 2022 में इस विश्वविद्यालय के अभियांत्रिकी तथा प्रौद्योगिकी संकाय के अंतर्गत इलेक्ट्रॉनिक और सूचना अभियांत्रिकी विषय में विद्या वाचस्पति की उपाधि (यू.जी.सी. एम.फिल./ पीएच.डी. उपाधि के लिए न्यूनतम मानक

एवं प्रक्रिया) विनियम, 2016 के अनुरूप प्राप्त की।

DOCTOR OF PHILOSOPHY

This is to certify that श्री/कुम/कुम. *Sudip Kumar Ghosh* bearing Registration No 17021110 has obtained the degree of Doctor of Philosophy in *Electronics & Communication Engineering* under the School of *Engineering & Technology* in this University in the year 2022 as per the (Minimum Standards and Procedure for Award of Ph.D. / Ph.D. Degrees) Regulations, 2016 शोध प्रबंध का शीर्षक/ Title of Thesis: *Qualitative and Quantitative Analysis on some Characteristics of Circular Sector Microstrip Antennas*

Sl. No/ क्रं. 75

आइजोल/आइजोल

दिनांक/Date:

30th April, 2022


कुलपति/Vice Chancellor