



Durgapur Government College

J.N.Avenue,Durgapur,District-PaschimBardhaman,WestBengal,Pin-713214

Website: <https://www.durgapurgovtcollege.ac.in/>

E-mail: dpggovtcollege@gmail.com

CRITERIA III

RESEARCH, INNOVATION AND EXTENSION SUPPORTING DOCUMENTS

3.1.2.Number of teachers recognized as research guides for PhD programme

3.3.1. Number of Ph.Ds registered per eligible teacher during the year
(2023-2024)

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Durgapur Government College

J.N.Avenue,Durgapur,District-PaschimBardhaman,WestBengal,Pin-713214

Website: <https://www.durgapurgovtcollege.ac.in/>

E-mail: dpggovtcollege@gmail.com

Sl No.	Name of PhD research Guide	Registered PhD Guide of University	Designation and Affiliation	SIN o.	Name of Student Registered for Ph.D.	Year of Enrollment/ Registration for PhD	Supporting Documents enclosed in Page No.
4	Dr. Sandip Majumder	Kazi Nazrul University	Assistant Professor, Department of Conservation Biology, Durgapur Government College	16	Anita Chatteraj	2022	20-23
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8	Dr. Anisur Rahaman	The University of Burdwan	Associate Professor, Department of Physics Durgapur Government College	27	Sanjib Ghosh	2019	40-45
				28	Sohan Kumar Jha	2019	
				29	Himangshu Barman	2019	



Office of the Registrar
Kazi Nazrul University

Nazrul Road, Kalla Bypass More, P.O. - Kalla (C. H.)
Asansol - 713340, Dist. - Paschim Bardhaman, West Bengal

Ref No: KNU/R/Letter/1401/22

Date: 18/10/2022

To,
Dr. Debnath Palit
Principal
Durgapur Government College

Sub: Recognition as a Research Guide (Supervisor) leading to Ph.D. Degree under this University

Dear Sir/Madam,

I am directed to inform you that the concerned Faculty Council for the Post Graduate studies after considering the recommendation of the relevant Board of Research Studies has recognized you to be the Research Guide (Supervisor) in respect to the following scholars leading to Ph.D. thesis in different areas under this University are given below:

Sl. No.	Name of the Scholars	Title of the thesis
1.	NAZMA KHATUN	Phytoplankton diversity and its relationship with environmental factors in pit-lake ecosystem
2.	ANAMIKA PANDEY	Spatio temporal variability of air pollutants on selected tree species: implications for assessment of CO ₂ mitigation potential
3.	SUBHRA BANDOPADHYAY	Non-timber forest products and their utilization for sustainable livelihood development in some parts of Birbhum District, West Bengal, India
4.	PRIYARANJAN MONDAL	Macrophytes composition and their ecological roles in some selected pit lakes of Raniganj Coal Field Area, West Bengal, India
5.	TRINANKUR BHATTACHARJEE	Vegetation dynamics in coal mine generated wastelands of Raniganj Coal Field Area, West Bengal, India
6.	KAJORI MONDAL	Impact assessment of water and soil for sponge iron industries in Barjora Industrial Area, West Bengal, India
7.	ANIMESH KARMAKAR	Mass cultivation of white sandalwood (<i>Santalum album</i> L.) for sustainable yield in Rarh Bengal, India
8.	CHITTARANJAN NASKAR	Potentiality of Dragon fruits (<i>Hylocereus lemairei</i> (Hook.) Britton and Rose) as an alternative cultivation in Southern parts of Sundarban, West Bengal, India

Yours faithfully,

18/10/2022
Dr. Chaitali Dutta
Registrar [Addl. Charge]
Registrar (Addl. Charge)
Kazi Nazrul University
Asansol-713340

Copy to-

- The Dean, Faculty Council for PG Studies of Science, Technology and Vocational Studies; KNU
- The Secretary, College Council; KNU
- The Principal, Durgapur Government College
- Guard File



No.:KNU/TR/2023011

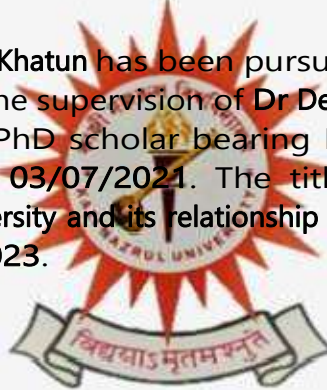
Kazi Nazrul University

Asansol || West Bengal – 713340

PhD Title Registration Certificate

[In accordance with the University Grants Commission (Minimum Standard and Procedure for Award of M.Phil./ Ph.D. Degrees) Regulations, notified in the Gazette of India No. 278 Part-III, Sec-4, dated July 5, 2016]

This is to certify that **Ms Nazma Khatun** has been pursuing his/ her PhD programme in **Conservation Biology** under the supervision of **Dr Debnath Palit**, Principal, Durgapur Govt. College, as a registered PhD scholar bearing Enrolment/ Registration No.: **105208520083**, registered on **03/07/2021**. The title of his/ her PhD thesis is registered as "**Phytoplankton diversity and its relationship with environmental factors in pit-lake ecosystem**", w. e. f. **20/02/2023**.



Date of issue: 28/06/2023

Place: Asansol

C Koneu

Registrar



No.:KNU/TR/2023015

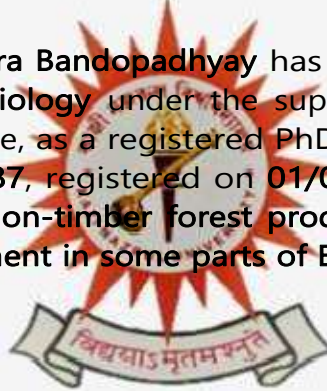
Kazi Nazrul University

Asansol || West Bengal – 713340

PhD Title Registration Certificate

[In accordance with the University Grants Commission (Minimum Standard and Procedure for Award of M.Phil./ Ph.D. Degrees) Regulations, notified in the Gazette of India No. 278 Part-III, Sec-4, dated July 5, 2016]

This is to certify that **Ms Subhra Bandopadhyay** has been pursuing his/ her PhD programme in **Conservation Biology** under the supervision of **Dr Debnath Palit**, Principal, Durgapur Govt. College, as a registered PhD scholar bearing Enrolment/ Registration No.: **105208520087**, registered on **01/07/2021**. The title of his/ her PhD thesis is registered as "**Non-timber forest products and their utilization for sustainable livelihood development in some parts of Birbhum District, West Bengal, India**", w. e. f. **20/02/2023**.



Date of issue: 28/06/2023

Place: Asansol

C Koneu

Registrar



No.:KNU/TR/2023017

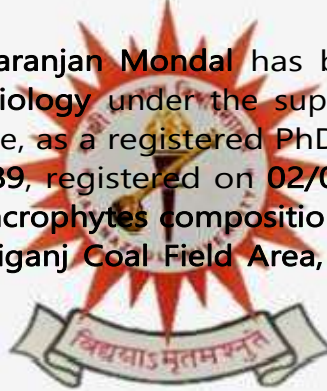
Kazi Nazrul University

Asansol || West Bengal – 713340

PhD Title Registration Certificate

[In accordance with the University Grants Commission (Minimum Standard and Procedure for Award of M.Phil./ Ph.D. Degrees) Regulations, notified in the Gazette of India No. 278 Part-III, Sec-4, dated July 5, 2016]

This is to certify that **Mr Priyaranjan Mondal** has been pursuing his/ her PhD programme in **Conservation Biology** under the supervision of **Dr Debnath Palit**, Principal, Durgapur Govt. College, as a registered PhD scholar bearing Enrolment/ Registration No.: **105208520089**, registered on **02/07/2021**. The title of his/ her PhD thesis is registered as **"Macrophytes composition and their ecological roles in some selected pit lakes of Raniganj Coal Field Area, West Bengal, India"**, w. e. f. **20/02/2023**.



Date of issue: 28/06/2023

Place: Asansol

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No.:KNU/TR/2023019

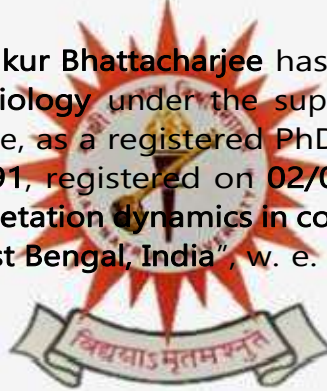
Kazi Nazrul University

Asansol || West Bengal – 713340

PhD Title Registration Certificate

[In accordance with the University Grants Commission (Minimum Standard and Procedure for Award of M.Phil./ Ph.D. Degrees) Regulations, notified in the Gazette of India No. 278 Part-III, Sec-4, dated July 5, 2016]

This is to certify that **Mr Trinankur Bhattacharjee** has been pursuing his/ her PhD programme in **Conservation Biology** under the supervision of **Dr Debnath Palit**, Principal, Durgapur Govt. College, as a registered PhD scholar bearing Enrolment/ Registration No.: **105208520091**, registered on **02/07/2021**. The title of his/ her PhD thesis is registered as **"Vegetation dynamics in coal mine generated wastelands of Raniganj Coal Field Area, West Bengal, India"**, w. e. f. **20/02/2023**.



Date of issue: 28/06/2023

Place: Asansol

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No.:KNU/TR/2023020

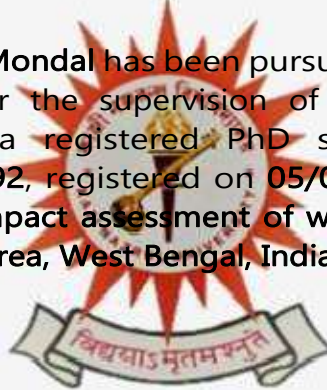
Kazi Nazrul University

Asansol || West Bengal – 713340

PhD Title Registration Certificate

[In accordance with the University Grants Commission (Minimum Standard and Procedure for Award of M.Phil./ Ph.D. Degrees) Regulations, notified in the Gazette of India No. 278 Part-III, Sec-4, dated July 5, 2016]

This is to certify that **Ms Kajori Mondal** has been pursuing his/ her PhD programme in **Conservation Biology** under the supervision of **Dr Debnath Palit**, Principal, Durgapur Govt. College, as a registered PhD scholar bearing Enrolment/ Registration No.: **105208520092**, registered on **05/07/2021**. The title of his/ her PhD thesis is registered as **"Impact assessment of water and soil for sponge iron industries in Barjora Industrial Area, West Bengal, India"**, w. e. f. **20/02/2023**.



Date of issue: 28/06/2023

Place: Asansol

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Registrar



No.:KNU/TR/2023023

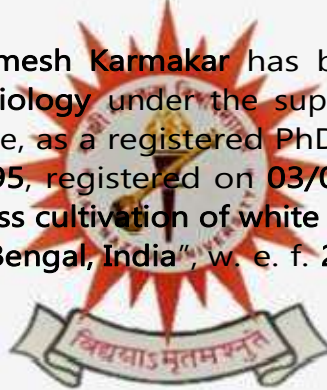
Kazi Nazrul University

Asansol || West Bengal – 713340

PhD Title Registration Certificate

[In accordance with the University Grants Commission (Minimum Standard and Procedure for Award of M.Phil./ Ph.D. Degrees) Regulations, notified in the Gazette of India No. 278 Part-III, Sec-4, dated July 5, 2016]

This is to certify that **Mr Animesh Karmakar** has been pursuing his/ her PhD programme in **Conservation Biology** under the supervision of **Dr Debnath Palit**, Principal, Durgapur Govt. College, as a registered PhD scholar bearing Enrolment/ Registration No.: **105208520095**, registered on **03/07/2021**. The title of his/ her PhD thesis is registered as **"Mass cultivation of white sandalwood (*Santalum album* L.) for sustainable yield in Rarh Bengal, India"**, w. e. f. **20/02/2023**.



Date of issue: 28/06/2023

Place: Asansol

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No.:KNU/TR/2023024

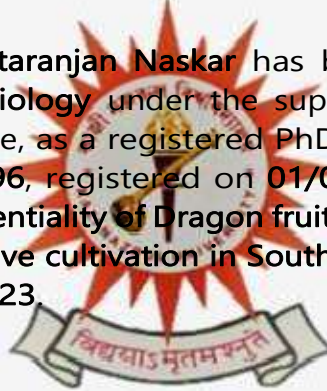
Kazi Nazrul University

Asansol || West Bengal – 713340

PhD Title Registration Certificate

[In accordance with the University Grants Commission (Minimum Standard and Procedure for Award of M.Phil./ Ph.D. Degrees) Regulations, notified in the Gazette of India No. 278 Part-III, Sec-4, dated July 5, 2016]

This is to certify that **Mr Chittaranjan Naskar** has been pursuing his/ her PhD programme in **Conservation Biology** under the supervision of **Dr Debnath Palit**, Principal, Durgapur Govt. College, as a registered PhD scholar bearing Enrolment/ Registration No.: **105208520096**, registered on **01/07/2021**. The title of his/ her PhD thesis is registered as **"Potentiality of Dragon fruits (*Hylocereus lemairei* (Hook.) Britton and Rose) as an alternative cultivation in Southern parts of Sundarban, West Bengal, India"**, w. e. f. **20/02/2023**.



Date of issue: 28/06/2023

Place: Asansol

C Koneu

Registrar



No.:KNU/TR/2023014

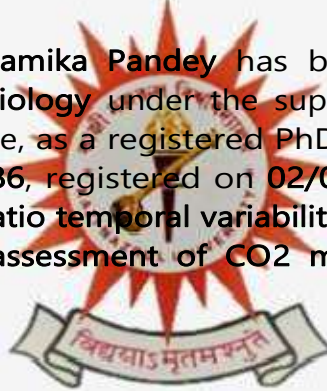
Kazi Nazrul University

Asansol || West Bengal – 713340

PhD Title Registration Certificate

[In accordance with the University Grants Commission (Minimum Standard and Procedure for Award of M.Phil./ Ph.D. Degrees) Regulations, notified in the Gazette of India No. 278 Part-III, Sec-4, dated July 5, 2016]

This is to certify that **Ms Anamika Pandey** has been pursuing his/ her PhD programme in **Conservation Biology** under the supervision of **Dr Debnath Palit**, Principal, Durgapur Govt. College, as a registered PhD scholar bearing Enrolment/ Registration No.: **105208520086**, registered on **02/07/2021**. The title of his/ her PhD thesis is registered as **"Spatio temporal variability of air pollutants on selected tree species: implications for assessment of CO2 mitigation potential"**, w. e. f. **20/02/2023**.



Date of issue: 28/06/2023

Place: Asansol

C Kone

Registrar



Office of the Registrar
Kazi Nazrul University

Nazrul Road, Kalla Bypass More, P.O. – Kalla (C. H.)
Asansol – 713340, Dist. – Paschim Bardhaman, West Bengal

Ref No: KNU/R/Letter/1402/22

Date: 18/10/2022

To,
Dr. Moitreyee Banerjee Chakrabarty
Assistant Professor
Durgapur Government College

Sub: Recognition as a Research Guide (Supervisor) leading to Ph.D. Degree under this University

Dear Sir/Madam,
I am directed to inform you that the concerned Faculty Council for the Post Graduate studies after considering the recommendation of the relevant Board of Research Studies has recognized you to be the Research Guide (Supervisor) in respect to the following scholars leading to Ph.D. thesis in different areas under this University are given below:

Sl. No.	Name of the Scholars	Title of the thesis
1.	SANCHARI SARKAR	Assessment, comparison and prediction of air pollution in polluted zones of West Bengal using Time Series Model
2.	SANGHAMITRA SANYAL	Spatio-temporal modelling of water quality of Damodar River in Paschim Bardhaman, West Bengal
3.	SHARMILA SOREN	Present and future trends of traditional ethnomedicinal systems in tribal villages of Paschim Bardhaman District, West Bengal, India

Yours faithfully,

18/10/2022
Dr. Chaitali Dutta
Registrar [Addl. Charge]
Registrar (Addl. Charge)
Kazi Nazrul University
Asansol-713340

Copy to-

- The Dean, Faculty Council for PG Studies of Science, Technology and Vocational Studies; KNU
- The Secretary, College Council; KNU
- The Principal, Durgapur Government College
- Guard File



No.:KNU/TR/2023013

Kazi Nazrul University

Asansol || West Bengal – 713340

PhD Title Registration Certificate

[In accordance with the University Grants Commission (Minimum Standard and Procedure for Award of M.Phil./ Ph.D. Degrees) Regulations, notified in the Gazette of India No. 278 Part-III, Sec-4, dated July 5, 2016]

This is to certify that **Ms Sanchari Sarkar** has been pursuing his/ her PhD programme in **Conservation Biology** under the supervision of **Dr Moitreyee Banerjee Chakrabarty**, Assistant Professor, Durgapur Govt. College, as a registered PhD scholar bearing Enrolment/ Registration No.: **105208520085**, registered on **03/07/2021**. The title of his/ her PhD thesis is registered as "**Assessment, comparison and prediction of air pollution in polluted zones of West Bengal using Time Series Model**", w. e. f. **20/02/2023**.

Date of issue: 28/06/2023

Place: Asansol

Registrar



No.:KNU/TR/2023016

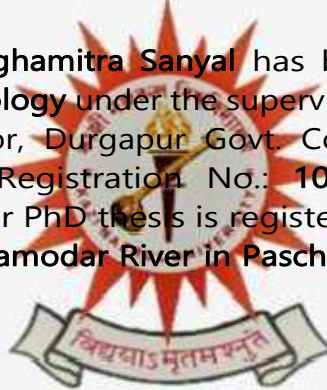
Kazi Nazrul University

Asansol || West Bengal – 713340

PhD Title Registration Certificate

[In accordance with the University Grants Commission (Minimum Standard and Procedure for Award of M.Phil./ Ph.D. Degrees) Regulations, notified in the Gazette of India No. 278 Part-III, Sec-4, dated July 5, 2016]

This is to certify that **Mr Sanghamitra Sanyal** has been pursuing his/ her PhD programme in **Conservation Biology** under the supervision of **Dr Moitreyee Banerjee Chakrabarty**, Assistant Professor, Durgapur Govt. College, as a registered PhD scholar bearing Enrolment/ Registration No.: **105208520088**, registered on **02/07/2021**. The title of his/ her PhD thesis is registered as **"Spatio-temporal modelling of water quality of Damodar River in Paschim Bardhaman, West Bengal"**, w. e. f. **20/02/2023**.



Date of issue: 28/06/2023

Place: Asansol

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Registrar



No.:KNU/TR/2023026

Kazi Nazrul University

Asansol || West Bengal – 713340

PhD Title Registration Certificate

[In accordance with the University Grants Commission (Minimum Standard and Procedure for Award of M.Phil./ Ph.D. Degrees) Regulations, notified in the Gazette of India No. 278 Part-III, Sec-4, dated July 5, 2016]

This is to certify that **Ms Sharmila Soren** has been pursuing his/ her PhD programme in **Conservation Biology** under the supervision of **Dr Moitreyee Banerjee Chakrabarty**, Assistant Professor, Durgapur Govt. College, as a registered PhD scholar bearing Enrolment/ Registration No.: **105208520098**, registered on **03/07/2021**. The title of his/ her PhD thesis is registered as **“Present and future trends of traditional ethnomedicinal systems in tribal villages of Paschim Bardhaman District, West Bengal, India”**, w. e. f. **20/02/2023**.

Date of issue: 28/06/2023

Place: Asansol

Registrar



Office of the Registrar
Kazi Nazrul University

Nazrul Road, Kalla Bypass More, P.O. – Kalla (C. H.)
Asansol – 713340, Dist. – Paschim Bardhaman, West Bengal

Ref No: KNU/R/Letter/1405/22

Date: 18/10/2022

To,
Dr. Tapajit Bhattacharya
Assistant Professor
Durgapur Government College

Sub: Recognition as a Research Guide (Supervisor) leading to Ph.D. Degree under this University

Dear Sir/Madam,

I am directed to inform you that the concerned Faculty Council for the Post Graduate studies after considering the recommendation of the relevant Board of Research Studies has recognized you to be the Research Guide (Supervisor) in respect to the following scholars leading to Ph.D. thesis in different areas under this University are given below:

Sl. No.	Name of the Scholars	Title of the thesis
1.	AGNI MITRA	Spatio-temporal patterns of wildlife crime and formulation of enforcement strategy using predictive modelling in Assam and West Bengal
2.	MANTI BARMA DUTTA	Biodiversity of harmful insects and their effects on human being in Duars, West Bengal, India
3.	NEHA MAJUMDAR	Toxicity of cadmium, mercury and lead to fish <i>Tilapia nilotica</i> (Linnaeus, 1758) caused due to industrial pollution and their bioremediation through plant extract

Yours faithfully,

18/10/2022
Dr. Chaitali Dutta
Registrar [Addl. Charge]
Registrar (Addl. Charge)
Kazi Nazrul University
Asansol-713340

Copy to-

- The Dean, Faculty Council for PG Studies of Science, Technology and Vocational Studies; KNU
- The Secretary, College Council; KNU
- The Principal, Durgapur Government College
- Guard File



Office of the Registrar
Kazi Nazrul University
Nazrul Road, Kalla Bypass More, P.O. - Kalla (C. H.)
Asansol - 713340, Dist. - Paschim Bardhaman, West Bengal

Ref No: KNU/R/Letter/0428/22

Date: 19/04/2022

To,
Dr. Tapajit Bhattacharya
Assistant Professor
Durgapur Government College

Sub: Recognition as a Research Guide (Supervisor) leading to Ph.D. Degree in the area of
'Wildlife Conservation' under this University

Sir/Madam,

I am directed to inform you that the concerned Faculty Council for the Post Graduate studies after considering the recommendation of the relevant Board of Research Studies has recognized you to be the Research Guide (Supervisor) in respect to **Debayan Gayen** leading to Ph.D. thesis in the area of **Wildlife Conservation** under this University.

Yours Faithfully,

Debashis Sarkar
Registrar

Debashis Sarkar
19.4.22
Registrar

Kazi Nazrul University
Asansol - 713340 (W.B.)

Copy to-

- Professor Santanu Kumar Ghosh, Department of Mathematics; Dean, Faculty Council for PG Studies of Science, Technology and Vocational Studies; KNU
- Dr. Rahul Majumdar, Secretary, College Council; KNU
- The Principal, Durgapur Government College
- Guard File



No.:KNU/TR/2023012

Kazi Nazrul University

Asansol || West Bengal – 713340

PhD Title Registration Certificate

[In accordance with the University Grants Commission (Minimum Standard and Procedure for Award of M.Phil./ Ph.D. Degrees) Regulations, notified in the Gazette of India No. 278 Part-III, Sec-4, dated July 5, 2016]

This is to certify that **Ms Neha Majumdar** has been pursuing his/ her PhD programme in **Conservation Biology** under the supervision of **Dr Tapajit Bhattacharya**, Assistant Professor, Durgapur Govt. College, as a registered PhD scholar bearing Enrolment/ Registration No.: **105208520084**, registered on **01/07/2021**. The title of his/ her PhD thesis is registered as "**Toxicity of cadmium, mercury and lead to fish *Tilapia nilotica* (Linnaeus, 1758) caused due to industrial pollution and their bioremediation through plant extract**", w. e. f. **20/02/2023**.

Date of issue: 28/06/2023

Place: Asansol

Registrar



No.:KNU/TR/2023010

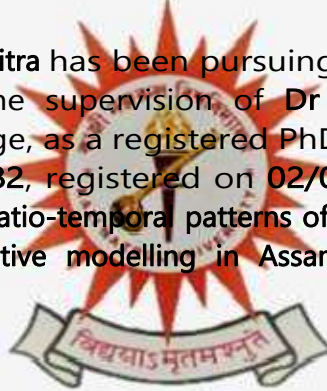
Kazi Nazrul University

Asansol || West Bengal – 713340

PhD Title Registration Certificate

[In accordance with the University Grants Commission (Minimum Standard and Procedure for Award of M.Phil./ Ph.D. Degrees) Regulations, notified in the Gazette of India No. 278 Part-III, Sec-4, dated July 5, 2016]

This is to certify that **Mr Agni Mitra** has been pursuing his/ her PhD programme in **Conservation Biology** under the supervision of **Dr Tapajit Bhattacharya**, Assistant Professor, Durgapur Govt. College, as a registered PhD scholar bearing Enrolment/ Registration No.: **105208520082**, registered on **02/07/2021**. The title of his/ her PhD thesis is registered as "Spatio-temporal patterns of wildlife crime and formulation of enforcement strategy using predictive modelling" in Assam and West Bengal", w. e. f. **20/02/2023**.



Date of issue: 28/06/2023

Place: Asansol

C Koneu

Registrar



Kazi Nazrul University

Asansol West Bengal - 713340

ENROLMENT CUM REGISTRATION CERTIFICATE

[In accordance with the University Grants Commission (Minimum Standard and Procedure for Award of M.Phil./ Ph.D. Degrees) Regulations, notified in the Gazette of India No. 278 Part-III, Sec-4, dated July 5, 2016]

Enrolment/ Registration No.: 105218520005 of 2021-22

Date of Enrolment/ Registration: 10.01.2022

This is to certify that **DEBAYAN GAYEN**

has been enrolled on **10.01.2022** as a registered scholar in the

Ph.D. programme under the supervision of **Tapajit Bhattacharya**

on the topic **WILDLIFE CONSERVATION**

Date of Issue: 10.01.2022

Place: Asansol

Registrar



No.:KNU/TR/2023025

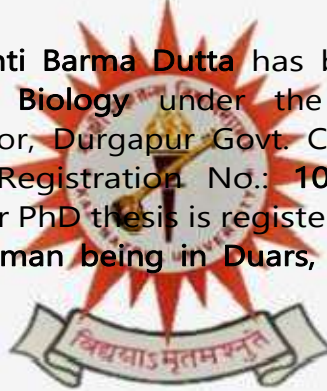
Kazi Nazrul University

Asansol || West Bengal – 713340

PhD Title Registration Certificate

[In accordance with the University Grants Commission (Minimum Standard and Procedure for Award of M.Phil./ Ph.D. Degrees) Regulations, notified in the Gazette of India No. 278 Part-III, Sec-4, dated July 5, 2016]

This is to certify that **Ms Manti Barma Dutta** has been pursuing his/ her PhD programme in **Conservation Biology** under the supervision of **Dr Tapajit Bhattacharya**, Assistant Professor, Durgapur Govt. College, as a registered PhD scholar bearing Enrolment/ Registration No.: **105208520097**, registered on **02/07/2021**. The title of his/ her PhD thesis is registered as "**Biodiversity of harmful insects and their effects on human being in Duars, West Bengal, India**", w. e. f. **20/02/2023**.



Date of issue: 28/06/2023

Place: Asansol

C Kone

Registrar



Office of the Registrar
Kazi Nazrul University
Nazrul Road, Kalla Bypass More, P.O. – Kalla (C. H.)
Asansol – 713340, Dist. – Paschim Bardhaman, West Bengal

Ref No: KNU/R/Letter/0427/22

Date: 19/04/2022

To,
Dr. Sandip Majumder
Assistant Professor
Durgapur Government College


Sub: Recognition as a Research Guide (Supervisor) leading to Ph.D. Degree in the area of 'Biodiversity Pattern and Climate Change' under this University

Sir/Madam,

I am directed to inform you that the concerned Faculty Council for the Post Graduate studies after considering the recommendation of the relevant Board of Research Studies has recognized you to be the Research Guide (Supervisor) in respect to **Anita Chattoraj** leading to Ph.D. thesis in the area of **Biodiversity Pattern and Climate Change** under this University.

Yours Faithfully,

Debashis Sarkar
Registrar


19-4-22

Kazi Nazrul University
Asansol - 713340 (W.B.)

Copy to-

- Professor Santanu Kumar Ghosh, Department of Mathematics; Dean, Faculty Council for PG Studies of Science, Technology and Vocational Studies; KNU
- Dr. Rahul Majumdar, Secretary, College Council; KNU
- The Principal, Durgapur Government College
- Guard File



Office of the Registrar
Kazi Nazrul University

Nazrul Road, Kalla Bypass More, P.O. – Kalla (C. H.)
Asansol – 713340, Dist. –Paschim Bardhaman, West Bengal

Ref No: KNU/R/Letter/1404/22

Date: 18/10/2022

To,
Dr. Sandip Majumder
Assistant Professor
Durgapur Government College

Sub: Recognition as a Research Guide (Supervisor) leading to Ph.D. Degree under this University

Dear Sir/Madam,

I am directed to inform you that the concerned Faculty Council for the Post Graduate studies after considering the recommendation of the relevant Board of Research Studies has recognized you to be the Research Guide (Supervisor) in respect to the following scholars leading to Ph.D. thesis in different areas under this University are given below:

Sl. No.	Name of the Scholars	Title of the thesis
1.	PADMINI BARUAH	Global warming potential of the muga sericulture and dissemination of the promising greenhouse gases mitigation technology to the muga farmers in Assam

Yours faithfully,

18/10/2022
Dr. Chaitali Dutta
Registrar [Addl. Charge]
Registrar (Addl. Charge)
Kazi Nazrul University
Asansol-713340

Copy to-

- The Dean, Faculty Council for PG Studies of Science, Technology and Vocational Studies; KNU
- The Secretary, College Council; KNU
- The Principal, Durgapur Government College
- Guard File



Kazi Nazrul University

Asansol West Bengal - 713340

ENROLMENT CUM REGISTRATION CERTIFICATE

[In accordance with the University Grants Commission (Minimum Standard and Procedure for Award of M.Phil./ Ph.D. Degrees) Regulations, notified in the Gazette of India No. 278 Part-III, Sec-4, dated July 5, 2016]

Enrolment/ Registration No.: 105218520003 of 2021-22

Date of Enrolment/ Registration: 10.01.2022

This is to certify that **ANITA CHATTORAJ**

has been enrolled on **10.01.2022** as a registered scholar in the

Ph.D. programme under the supervision of **Sandip Majumder**

on the topic **BIODIVERSITY PATTERN AND CLIMATE CHANGE**

Date of Issue: 10.01.2022

Place: Asansol

Registrar



No.:KNU/TR/2023018

Kazi Nazrul University

Asansol || West Bengal – 713340

PhD Title Registration Certificate

[In accordance with the University Grants Commission (Minimum Standard and Procedure for Award of M.Phil./ Ph.D. Degrees) Regulations, notified in the Gazette of India No. 278 Part-III, Sec-4, dated July 5, 2016]

This is to certify that **Ms Padmini Baruah** has been pursuing his/ her PhD programme in **Conservation Biology** under the supervision of **Dr Sandip Majumder**, Assistant Professor, Durgapur Govt. College, as a registered PhD scholar bearing Enrolment/ Registration No.: **105208520090**, registered on **30/06/2021**. The title of his/ her PhD thesis is registered as **'Global warming potential of the muga sericulture and dissemination of the promising greenhouse gases mitigation technology to the muga farmers in Assam'**, w. e. f. **20/02/2023**.

Date of issue: 28/06/2023

Place: Asansol

Registrar



Office of the Registrar
Kazi Nazrul University
Nazrul Road, Kalla Bypass More, P.O. – Kalla (C. H.)
Asansol – 713340, Dist. – Paschim Bardhaman, West Bengal

Ref No: KNU/R/Letter/0425/22

Date: 19/04/2022

To,
Dr. Nivedita Acharjee
Assistant Professor
Durgapur Government College

Sub: Recognition as a Research Guide (Supervisor) leading to Ph.D. Degree in the area of 'Computational Chemistry' under this University

Sir/Madam,

I am directed to inform you that the concerned Faculty Council for the Post Graduate studies after considering the recommendation of the relevant Board of Research Studies has recognized you to be the Research Guide (Supervisor) in respect to **Asmita Mondal** leading to Ph.D. thesis in the area of **Computational Chemistry** under this University.

Yours Faithfully,

Debashis Sarkar
Registrar

19-4-22
Registrar
Kazi Nazrul University

Asansol - 713340 (W.B.)

Copy to-

- Professor Santanu Kumar Ghosh, Department of Mathematics; Dean, Faculty Council for PG Studies of Science, Technology and Vocational Studies; KNU
- Dr. Rahul Majumdar, Secretary, College Council; KNU
- The Principal, Durgapur Government College
- Guard File



Kazi Nazrul University

Asansol West Bengal - 713340

ENROLMENT CUM REGISTRATION CERTIFICATE

[In accordance with the University Grants Commission (Minimum Standard and Procedure for Award of M.Phil./ Ph.D. Degrees) Regulations, notified in the Gazette of India No. 278 Part-III, Sec-4, dated July 5, 2016]

Enrolment/ Registration No.: 105218520002 of 2021-22

Date of Enrolment/ Registration: 10.01.2022

This is to certify that **ASMITA MONDAL**
has been enrolled on **10.01.2022** as a registered scholar in the
Ph.D. programme under the supervision of **Dr. Nivedita Acharjee**
on the topic **COMPUTATIONAL CHEMISTRY**

Date of Issue: 10.01.2022

Place: Asansol

Registrar



Kazi Nazrul University

Asansol West Bengal - 713340

ENROLMENT CUM REGISTRATION CERTIFICATE

[In accordance with the University Grants Commission (Minimum Standard and Procedure for Award of M.Phil./ Ph.D. Degrees) Regulations, notified in the Gazette of India No. 278 Part-III, Sec-4, dated July 5, 2016]

Enrolment/ Registration No.: 105228520002 of 2022-23
Date of Enrolment/ Registration: 21/02/2023

This is to certify that **BHASKAR MONDAL**
has been enrolled on **21/02/2023** as a registered scholar in the
Ph.D. programme under the supervision of DR. NIVEDITA ACHARJEE
on the topic **COMPUTATIONAL CHEMISTRY, ORGANIC CHEMISTRY [SYNTHESIS OF HETEROCYCLES
BY CYCLOADDITION REACTIONS, ANALYSIS OF ORGANIC REACTIVITY AND
SELECTIVITY]**

Date of Issue: 21/02/2023

Place: Asansol

C. Konu
Registrar



Kazi Nazrul University

Asansol West Bengal - 713340

ENROLMENT CUM REGISTRATION CERTIFICATE

[In accordance with the University Grants Commission (Minimum Standard and Procedure for Award of M.Phil./ Ph.D. Degrees) Regulations, notified in the Gazette of India No. 278 Part-III, Sec-4, dated July 5, 2016]

Enrolment/ Registration No.: KNU2200701 of 2022-23
Date of Enrolment/ Registration: 15.12.2022

This is to certify that **BARSALI BANERJEE** has been enrolled on **15.12.2022** as a registered scholar in the **Ph.D. programme** under the supervision of **DR. NIVEDITA ACHARJEE** on the topic **COMPUTATIONAL CHEMISTRY, ORGANIC CHEMISTRY [SYNTHESIS OF HETEROCYCLES BY CYCLOADDITION REACTIONS, ANALYSIS OF ORGANIC REACTIVITY AND SELECTIVITY]**

Date of Issue: 15.12.2022

Place: Asansol


Registrar (Addl. Charge)



Office of the Registrar
Kazi Nazrul University

Nazrul Road, Kalla Bypass More, P.O. – Kalla (C. H.)
Asansol – 713340, Dist. – Paschim Bardhaman, West Bengal

Ref No: KNU/R/Letter/1403/22

Date: 18/10/2022

To,
Dr. Rajib Biswas
Assistant Professor
Durgapur Government College

Sub: Recognition as a Research Guide (Supervisor) leading to Ph.D. Degree under this University

Dear Sir/Madam,

I am directed to inform you that the concerned Faculty Council for the Post Graduate studies after considering the recommendation of the relevant Board of Research Studies has recognized you to be the Research Guide (Supervisor) in respect to the following scholars leading to Ph.D. thesis in different areas under this University are given below:

Sl. No.	Name of the Scholars	Title of the thesis
1.	MORALI BISWAS	Association of phytoplankton and aquatic macrophytes based on habitat structure in Bakreswar Reservoir, West Bengal, India
2.	NAMRATA GHOSH	Reproductive behaviour and mating success of tiger (<i>Panthera tigris</i>) in captive habitat of North Bengal Wild Animals Park, West Bengal, India

Yours faithfully,

18/10/2022
Dr. Chaitali Dutta
Registrar [Addl. Charge]
Registrar (Addl. Charge)
Kazi Nazrul University
Asansol-713340

Copy to-

- The Dean, Faculty Council for PG Studies of Science, Technology and Vocational Studies; KNU
- The Secretary, College Council; KNU
- The Principal, Durgapur Government College
- Guard File



Office of the Registrar

Kazi Nazrul University

Nazrul Road, Kalla Bypass More, P.O. – Kalla (C. H.)
Asansol – 713340, Dist. – Paschim Bardhaman, West Bengal

Ref No: KNU/R/Letter/0424/22

Date: 19/04/2022

To,
Dr. Rajib Biswas
Assistant Professor
Durgapur Government College

Sub: Recognition as a Research Guide (Supervisor) leading to Ph.D. Degree in the area of 'Floristic Studies' under this University

Sir/Madam,

I am directed to inform you that the concerned Faculty Council for the Post Graduate studies after considering the recommendation of the relevant Board of Research Studies has recognized you to be the Research Guide (Supervisor) in respect to **Abhidip Hazra** leading to Ph.D. thesis in the area of **Floristic Studies** under this University.

Yours Faithfully,

Debashis Sarkar
Registrar

Registrar

Kazi Nazrul University

Asansol - 713340 (W.B.)

Copy to-

- Professor Santanu Kumar Ghosh, Department of Mathematics; Dean, Faculty Council for PG Studies of Science, Technology and Vocational Studies; KNU
- Dr. Rahul Majumdar, Secretary, College Council; KNU
- The Principal, Durgapur Government College
- Guard File



Kazi Nazrul University

Asansol West Bengal - 713340

ENROLMENT CUM REGISTRATION CERTIFICATE

[In accordance with the University Grants Commission (Minimum Standard and Procedure for Award of M.Phil./ Ph.D. Degrees) Regulations, notified in the Gazette of India No. 278 Part-III, Sec-4, dated July 5, 2016]

Enrolment/ Registration No.: 105218520004 of 2021-22
Date of Enrolment/ Registration: 10.01.2022

This is to certify that **ABHIDIP HAZRA**
has been enrolled on **10.01.2022** as a registered scholar in the
Ph.D. programme under the supervision of **Rajib Biswas**
on the topic **FLORISTIC STUDIES**

Date of Issue: 10.01.2022

Place: Asansol

Registrar



No.:KNU/TR/2023021

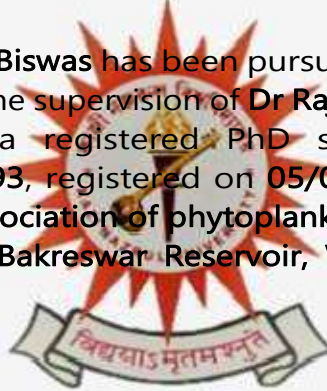
Kazi Nazrul University

Asansol || West Bengal – 713340

PhD Title Registration Certificate

[In accordance with the University Grants Commission (Minimum Standard and Procedure for Award of M.Phil./ Ph.D. Degrees) Regulations, notified in the Gazette of India No. 278 Part-III, Sec-4, dated July 5, 2016]

This is to certify that **Ms Morali Biswas** has been pursuing his/ her PhD programme in **Conservation Biology** under the supervision of **Dr Rajib Biswas**, Assistant Professor, Durgapur Govt. College, as a registered PhD scholar bearing Enrolment/ Registration No.: **105208520093**, registered on **05/07/2021**. The title of his/ her PhD thesis is registered as **"Association of phytoplankton and aquatic macrophytes based on habitat structure in Bakreswar Reservoir, West Bengal, India"**, w. e. f. **20/02/2023**.



Date of issue: 28/06/2023

Place: Asansol

C Kone

Registrar



No.:KNU/TR/2023022

Kazi Nazrul University

Asansol || West Bengal – 713340

PhD Title Registration Certificate

[In accordance with the University Grants Commission (Minimum Standard and Procedure for Award of M.Phil./ Ph.D. Degrees) Regulations, notified in the Gazette of India No. 278 Part-III, Sec-4, dated July 5, 2016]

This is to certify that **Ms Namrata Ghosh** has been pursuing his/ her PhD programme in **Conservation Biology** under the supervision of **Dr Rajib Biswas**, Assistant Professor, Durgapur Govt. College, as a registered PhD scholar bearing Enrolment/ Registration No.: **105208520094**, registered on **05/07/2021**. The title of his/ her PhD thesis is registered as "**Reproductive behaviour and mating success of tiger (*Panthera tigris tigris*) in captive habitat of North Bengal Wild Animals Park, West Bengal, India**", w. e. f. **20/02/2023**.

Date of issue: 28/06/2023

Place: Asansol

Registrar



Kazi Nazrul University

Asansol West Bengal - 713340

ENROLMENT CUM REGISTRATION CERTIFICATE

[In accordance with the University Grants Commission (Minimum Standard and Procedure for Award of M.Phil./ Ph.D. Degrees) Regulations, notified in the Gazette of India No. 278 Part-III, Sec-4, dated July 5, 2016]

Enrolment/ Registration No.: 105228520003 of 2022-23

Date of Enrolment/ Registration: 21/02/2023

This is to certify that **SANDIPA SAHA** has been enrolled on **21/02/2023** as a registered scholar in the **Ph.D. programme** under the supervision of **DR. RAJIB BISWAS** on the topic **FLORISTIC STUDIES, ENVIRONMENTALBIOLOGY, CONSERVATION, ANDMEDICINAL PLANTS.**

Date of Issue: 21/02/2023

Place: Asansol

Konu
Registrar



Office of the Registrar

Kazi Nazrul University

Nazrul Road, Kalla Bypass More, P.O. – Kalla (C. H.)
Asansol – 713340, Dist. – Paschim Bardhaman, West Bengal

Ref No: KNU/R/Letter/0426/22

Date: 19/04/2022

To,
Dr. Tuhin Ghosh
Assistant Professor
Durgapur Government College

Sub: Recognition as a Research Guide (Supervisor) leading to Ph.D. Degree in the area of 'Organic Chemistry' under this University

Sir/Madam,

I am directed to inform you that the concerned Faculty Council for the Post Graduate studies after considering the recommendation of the relevant Board of Research Studies has recognized you to be the Research Guide (Supervisor) in respect to **Sutapa Mandal** leading to Ph.D. thesis in the area of **Organic Chemistry** under this University.

Yours Faithfully,

Debashis Sarkar
Registrar

DS
Registrar
TA-422

Kazi Nazrul University

Asansol - 713340 (W.B.)

Copy to-

- Professor Santanu Kumar Ghosh, Department of Mathematics; Dean, Faculty Council for PG Studies of Science, Technology and Vocational Studies; KNU
- Dr. Rahul Majumdar, Secretary, College Council; KNU
- The Principal, Durgapur Government College
- Guard File



Kazi Nazrul University

Asansol West Bengal - 713340

ENROLMENT CUM REGISTRATION CERTIFICATE

[In accordance with the University Grants Commission (Minimum Standard and Procedure for Award of M.Phil./ Ph.D. Degrees) Regulations, notified in the Gazette of India No. 278 Part-III, Sec-4, dated July 5, 2016]

Enrolment/ Registration No.: 105218520001 of 2021-22

Date of Enrolment/ Registration: 10.01.2022

This is to certify that SUTAPA MANDAL
has been enrolled on 10.01.2022 as a registered scholar in the
Ph.D. programme under the supervision of Dr. Tuhin Ghosh
on the topic ORGANIC CHEMISTRY

Date of Issue: 10.01.2022

Place: Asansol

Registrar



Kazi Nazrul University

Asansol West Bengal - 713340

ENROLMENT CUM REGISTRATION CERTIFICATE

[In accordance with the University Grants Commission (Minimum Standard and Procedure for Award of M.Phil./ Ph.D. Degrees) Regulations, notified in the Gazette of India No. 278 Part-III, Sec-4, dated July 5, 2016]

Enrolment/ Registration No.: 105218520001 of 2021-22
Date of Enrolment/ Registration: 10.01.2022

This is to certify that **SUTAPA MANDAL**
has been enrolled on **10.01.2022** as a registered scholar in the
Ph.D. programme under the supervision of **Dr. Tuhin Ghosh**
on the topic **ORGANIC CHEMISTRY**

Date of Issue: 10.01.2022

Place: Asansol

Registrar



Kazi Nazrul University

Asansol West Bengal - 713340

ENROLMENT CUM REGISTRATION CERTIFICATE

[In accordance with the University Grants Commission (Minimum Standard and Procedure for Award of M.Phil./ Ph.D. Degrees) Regulations, notified in the Gazette of India No. 278 Part-III, Sec-4, dated July 5, 2016]

Enrolment/ Registration No.: 105228520001 of 2022-23
Date of Enrolment/ Registration: 21/02/2023

This is to certify that **BINITA NANDI**
has been enrolled on **21/02/2023** as a registered scholar in the
Ph.D. programme under the supervision of **DR. TUHIN GHOSH**
on the topic **ORGANIC CHEMISTRY**

Date of Issue: 21/02/2023

Place: Asansol

Konu
Registrar



University of Calcutta
Senate House, Kolkata - 700073

Registration Number : 4174/Ph.D.(Sc.)Proceed/2017

Date of Registration : 9th June 2017

Date of Letter : 13th June 2017

(Please quote the above Number and Date in all future Correspondence)

From:

The Registrar,
University of Calcutta

To:

Sri Sumit Dey
P-232, Purba Sinthee Road,
Dum Dum, Kolkata-700030.



Dear Sir,

I am desirous to inform you that you have been granted registration for the Ph.D.
programme under this University in

Geology

in terms of 4.8 of the Regulations for the Degree of Doctor of Philosophy (Ph.D.).

This registration shall remain valid for next five years with effect from the date of registration as indicated above.

You are to comply with the usual rules of migration in case you have passed the qualifying examinations for the Ph.D. programme from a University/Institute other than the University of Calcutta.

Title of Thesis

**“Sedimentology And Stratigraphy Of The Lesser Himalayan Krol Succession,
Himachal Pradesh, India With Special Emphasis On The Depositional History.”**

Name of the Supervisor : **Prof. Dr. Abdul Matin**

Name of the Joint Supervisor : **Dr. Prabir Dasgupta**

Name of the Associate Supervisor : **X**

Yours faithfully,

for Registrar
4/12

Registrar
University of Calcutta



20F17009400174
University of Calcutta

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

Phone : +91-33-2241-0071/498

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

eMail : phdcaluni@yahoo.co.in

Letter: 10151/Ph.D.(Sc.)

Dated: 28th December 2022

To
Sri Sumit Dey
73, Green Avenue, Sukanta Nagar (North),
PO-Rabindra Sarani, Dist.-Jalpaiguri,
Pin-734006.

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 December 28, 2022 in Geology.

Yours faithfully,

Debasis Das
28/12/2022

Registrar

REGISTRAR

UNIVERSITY OF CALCUTTA

Title of Thesis : **Sedimentology And Stratigraphy Of The Lesser Himalayan Krol Succession, Himachal Pradesh, India With Special Emphasis On The Depositional History.**

Dr. Debidas Mondal

Joint Registrar



The University of Burdwan

Rajbati, Burdwan- 713104, W.B

Tel. Nos. +91-0342-2634975

(EPABX) Ext 213

Telegraphic Code : BURDSITY

Tele-Fax : +91-0342-2634015

e-mail : jtregistrar@buruniv.ac.in

No.R-Ph.D./Regn. / SC/Physics/ 41

To:

Shri/Smt. Sanjib Ghoshal
c/o Dr. Anisuzzaman Rahaman
Dept. of Physics, Durgapukur Govt. College

Dated: 24.06.2022

Under UGC's New
Regulation - 2016

Sub: Grant of Registration as a candidate for Ph.D. degree in Physics
with effect from 14.12.2019

Sir/Madam,

I am to inform you that the Faculty Council for P.G. Studies in Arts/ Science at its meeting held on 09-06-2022 permitted you to get yourself registered as a candidate for Ph.D. degree, mentioned above, the title of your thesis being STUDY OF LOWER DIMENSIONAL CHIRAL QUANTUM ELECTRODYNAMICAL MODEL AND ITS SYMMETRY

....." Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of Rs. 8,000/- (Eight thousand only) for enrolment of your name in the Register of candidates for Ph.D. degree, positively within a month from the date of issue of this letter, failing which your case will not be considered for Registration as a Ph.D. candidate and the relevant copy of the cash receipt should be submitted to the Ph.D Unit.

In this connection you are requested to note that ---

a) You have been permitted to do research work under Dr. Anisuzzaman Rahaman, Dept. of Physics, Durgapukur Govt. College, Durgapukur as your Supervisor / Co-Supervisors.

b) You will be required to get yourself registered as a student of this University on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.

c) You will be required to deliver one seminar talk before submission of the thesis pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.

d) i) You will have to published at least one research paper related to your research work in a referred journal / peer reviewed journal and ii) Make two presentation in Conference/Seminar before submission of the thesis and produce evidence for the same in the form of acceptance letter / reprint / certificate of presentation as applicable at the time of submission of your thesis.

e) You will have to submit your thesis within six years from the date of your registration for Ph.D. degree mentioned above, but not earlier than 14-12-2022 (three years including course work) in the prescribed manner along with the fee of Rs. 8,000/- (Eight thousand only) or as may be fixed by the Executive Council from time to time towards submission of thesis.

f) i) You will be required to appear before **Research Advisory Committee** once in six months to make a presentation of the progress of his/her work for evaluation and further guidance. This six-monthly report shall be submitted by the Research Advisory Committee to the Board of Research Studies with a copy to the research scholar.

ii) In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Faculty Council for PG Studies concerned through the Board of Research Studies with specific reasons for cancellation of the registration of the research scholar.

g) The women candidate & persons with disability (More than 40%) may be allowed a relaxation of two years for Ph.D Programme in the maximum duration. The women candidates may avail **Maternity Leave/Child care Leave once in the entire duration of Ph.D Programme upto 240 days** with the permission of the Chairman, Doctoral Committee.

h) In your case, **four/five copies** of the thesis along with a **C.D. in PDF format** (containing the Synopsis and the Thesis) be submitted and one copy be retained by you as a reference copy.

i) At the time of submission of thesis, a certificate in the prescribed form furnished by your Supervisor(s) will have to be pasted on all the copies of the thesis.

j) **The registration granted under this letter will remain valid for six years from the date of registration.** In the event of failure of submission of the thesis within the stipulated period, re-registration may be sought for and the same may be granted after observing all the formalities required in this behalf and on the receipt of the prescribed fee(s). Application for re-registration may be sought **within the stipulated period i.e. within six years.**

k) The registration granted herein may be cancelled by the concerned authority/ body of the University in the event of failure of the candidate to fulfill any of the prescribed requirements at any stage.

l) Residential requirements should be fulfilled and maintained.

m) While submitting for evaluation, the thesis shall contain an undertaking from the research scholar and a certificate from the research Supervisor(s) attesting to the **Originality of the work, vouching that there is no Plagiarism and that the work has not been submitted for the award of any other degree/diploma of the University or to any other institution.**

n) You will be required to submit six typed copies of Synopsis/Abstract of the thesis (not exceeding ten pages) along with the certificate mentioned in Clause(l) above and a certificate of delivering Seminar talk(s) and the Clearance Certificate from the Librarian of the Central Library, Burdwan University at the time of submission of thesis.

Yours faithfully,

Sd/-

Joint Registrar

No. R/Ph.D./Regn./*Sc Physics 41/1(4)*

Dated: *24.06.2022*

Copy forwarded for information to:

- 1) The Head of the Department of *Physics* B.U.
- 2) Supervisor(s) of the candidate: i) *Dr. Anisur Rahman Dept. of Physics*
Durgapur Govt. College, Durgapur
Science B.U.
- 3) The Secretary, Faculty Council for P.G. Studies in B.U.
- 4) The Finance Officer, B.U.

[Signature]

Joint Registrar



No.R-Ph.D./Regn. / sc/physics/ 43

Dated: 24.06.2022

To: Shri/Smt. Sohan Kumar Jha
c/o Dr. Anisur Rahman
Surgajee Govt. College.

Under UGC's New
Regulation - 2016

Sub: Grant of Registration as a candidate for Ph.D. degree in Physics
with effect from 14-12-2019

Sir/Madam,

I am to inform you that the Faculty Council for P.G. Studies in Arts/ Science at its meeting held on 09-06-2022 permitted you to get yourself registered as a candidate for Ph.D. degree, mentioned above, the title of your thesis being STUDY OF BLACK HOLES IN STANDARD AND MODIFIED GRAVITY

....." Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of Rs. 8,000/- (Eight thousand only) for enrolment of your name in the Register of candidates for Ph.D. degree, positively within a month from the date of issue of this letter, failing which your case will not be considered for Registration as a Ph.D. candidate and the relevant copy of the cash receipt should be submitted to the Ph.D Unit.

In this connection you are requested to note that ---
a) You have been permitted to do research work under Dr. Anisur Rahman Dept. of Physics Surgajee Govt. College Surgajee as your Supervisor / Co-Supervisors.

b) You will be required to get yourself registered as a student of this University on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.

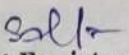
c) You will be required to deliver one seminar talk before submission of the thesis pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.

d) i) You will have to published at least one research paper related to your research work in a referred journal / peer reviewed journal and ii) Make two presentation in Conference/Seminar before submission of the thesis and produce evidence for the same in the form of acceptance letter / reprint /certificate of presentation as applicable at the time of submission of your thesis.

e) You will have to submit your thesis within six years from the date of your registration for Ph.D. degree mentioned above, but not earlier than 14-12-2022 (three years including course work) in the prescribed manner along with the fee of Rs. 8,000/- (Eight thousand only) or as may be fixed by the Executive Council from time to time towards submission of thesis.

- f) i) You will be required to appear before **Research Advisory Committee** once in six months to make a presentation of the progress of his/her work for evaluation and further guidance. This six-monthly report shall be submitted by the Research Advisory Committee to the Board of Research Studies with a copy to the research scholar.
- ii) In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Faculty Council for PG Studies concerned through the Board of Research Studies with specific reasons for cancellation of the registration of the research scholar.
- g) The women candidate & persons with disability (More than 40%) may be allowed a relaxation of two years for Ph.D Programme in the maximum duration. The women candidates may avail **Maternity Leave/Child care Leave once in the entire duration of Ph.D Programme upto 240 days** with the permission of the Chairman, Doctoral Committee.
- h) In your case, **four/five copies** of the thesis along with a **C.D. in PDF format** (containing the Synopsis and the Thesis) be submitted and one copy be retained by you as a reference copy.
- i) At the time of submission of thesis, a certificate in the prescribed form furnished by your Supervisor(s) will have to be pasted on all the copies of the thesis.
- j) **The registration granted under this letter will remain valid for six years from the date of registration.** In the event of failure of submission of the thesis within the stipulated period, re-registration may be sought for and the same may be granted after observing all the formalities required in this behalf and on the receipt of the prescribed fee(s). **Application for re-registration may be sought within the stipulated period i.e. within six years.**
- k) The registration granted herein may be cancelled by the concerned authority/ body of the University in the event of failure of the candidate to fulfill any of the prescribed requirements at any stage.
- l) Residential requirements should be fulfilled and maintained.
- m) While submitting for evaluation, the thesis shall contain an undertaking from the research scholar and a certificate from the research Supervisor(s) attesting to the **Originality of the work, vouching that there is no Plagiarism and that the work has not been submitted for the award of any other degree/diploma of the University or to any other institution.**
- n) You will be required to submit six typed copies of Synopsis/Abstract of the thesis (not exceeding ten pages) along with the certificate mentioned in Clause(l) above and a certificate of delivering Seminar talk(s) and the Clearance Certificate from the Librarian of the Central Library, Burdwan University at the time of submission of thesis.

Yours faithfully,



Joint Registrar

No. R/Ph.D./Regn./sc/physics/43/1(4)

Dated: 24.06.2022

Copy forwarded for information to:

- 1) The Head of the Department of Physics B.U.
- 2) Supervisor(s) of the candidate: i) Dr. Anisur Rahman Dept of Physics
Durgadeer Govt. College Durgadeer
- 3) The Secretary, Faculty Council for P.G. Studies in Science B.U.
- 4) The Finance Officer, B.U.


Joint Registrar

Dr. Debidas Mondal

Joint Registrar



The University of Burdwan

Rajbati, Burdwan- 713104, W.B

Tel Nos. +91-0342-2634975

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Tele-Fax : +91-0342-2634015

e-mail : jtreistrar@buruniv.ac.in

No.R-Ph.D./ Regn. / sc/physics/ 42

To:
Sri Sri Himangshu Barman
c/o Dr. Anisur Rahman
Surgepur Govt. College

Dated: 24.06.2022

Under UGC's New
Regulation - 2016

Sub: Grant of Registration as a candidate for Ph.D. degree in Physics
with effect from 14-12-2019

Sir / Madam,

I am to inform you that the Faculty Council for P.G. Studies in Arts/ Science at its meeting held on 09-06-2022 permitted you to get yourself registered as a candidate for Ph.D. degree, mentioned above, the title of your thesis being, STUDIES ON PHYSICAL THEORIES BEYOND THE HEISENBERG UNCERTAINTY PRINCIPLE

....." Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of Rs. 8,000/- (Eight thousand only) for enrolment of your name in the Register of candidates for Ph.D. degree, positively within a month from the date of issue of this letter, failing which your case will not be considered for Registration as a Ph.D. candidate and the relevant copy of the cash receipt should be submitted to the Ph.D Unit.

In this connection you are requested to note that —

a) You have been permitted to do research work under Dr. Anisur Rahman Dept. of Physics, Surgepur Govt. College, Surgepur as your Supervisor / Co-Supervisors.

b) You will be required to get yourself registered as a student of this University on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.

c) You will be required to deliver one seminar talk before submission of the thesis pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.

d) i) You will have to published at least one research paper related to your research work in a referred journal / peer reviewed journal and ii) Make two presentation in Conference/Seminar before submission of the thesis and produce evidence for the same in the form of acceptance letter / reprint / certificate of presentation as applicable at the time of submission of your thesis.

e) You will have to submit your thesis within six years from the date of your registration for Ph.D. degree mentioned above, but not earlier than 14-12-2022 (three years including course work) in the prescribed manner along with the fee of Rs. 8,000/- (Eight thousand only) or as may be fixed by the

- f) i) You will be required to appear before **Research Advisory Committee** once in six months to make a presentation of the progress of his/her work for evaluation and further guidance. This six-monthly report shall be submitted by the Research Advisory Committee to the Board of Research Studies with a copy to the research scholar.
- ii) In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Faculty Council for PG Studies concerned through the Board of Research Studies with specific reasons for cancellation of the registration of the research scholar.
- g) The women candidate & persons with disability. (More than 40%) may be allowed a relaxation of two years for Ph.D Programme in the maximum duration. The women candidates may avail **Maternity Leave/Child care Leave once in the entire duration of Ph.D Programme upto 240 days** with the permission of the Chairman, Doctoral Committee.
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- k) The registration granted herein may be cancelled by the concerned authority/ body of the University in the event of failure of the candidate to fulfill any of the prescribed requirements at any stage.
- l) Residential requirements should be fulfilled and maintained.
- m) While submitting for evaluation, the thesis shall contain an undertaking from the research scholar and a certificate from the research Supervisor(s) attesting to the **Originality of the work, vouching that there is no Plagiarism and that the work has not been submitted for the award of any other degree/diploma of the University or to any other institution.**
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Yours faithfully,

Sd/-

Joint Registrar

No. R/Ph.D./Regn./sc/Physics/421(4)

Dated: 24.06.2022

Copy forwarded for information to:

1) The Head of the Department of Physics B.U.

2) Supervisor(s) of the candidate: i) Dr. Anisur Rahman, Dept. of Physics

Durgapur Govt. College, Durgapur

3) The Secretary, Faculty Council for P.G. Studies in Science B.U.

4) The Finance Officer, B.U.



Joint Registrar