



Government of West Bengal  
Office of the Principal

**GOVERNMENT GENERAL DEGREE COLLEGE, MANGALKOTE**  
PANCHANANTALA, KHUDRUN DIGHI, MANGALKOTE  
P.O. - MAJHIGRAM; BLOCK - MANGALKOTE; SUB DIVISION - KATWA  
DISTRICT - PURBA BARDHAMAN; WEST BENGAL; PIN CODE - 713132; INDIA  
Email: ggdcmanagalkote@gmail.com; Website: http://mangalkotegovtcollege.org

The Memorandum of Understanding (hereinafter called the MOU) is entered into on this the 10<sup>th</sup> December, 2022

**By and Between**

**GOVERNMENT GENERAL DEGREE COLLEGE, MANGALKOTE**, The First Party represented herein by its Officer-in-Charge as Representative and Competent Authority (Hereinafter referred as "First Party", the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors – in office, administrators and assigns)

**MAJIGRAM BISWESWARI HIGH SCHOOL (H.S.)**, The Second party and represented herein by the Head Master as Representative and Competent Authority (Hereinafter represented as "Second Party", the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors – in office, administrators and assigns)

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party')

WHEREAS

A) FIRST PARTY is a Government College named:

i) GOVERNMENT GENERAL DEGREE COLLEGE, MANGALKOTE, PANCHANANTALA, KHUDRUN DIGHI, P.O.-MAJHIGRAM, DT. PURBA BARDHAMAN, WEST BENGAL, PIN - 713132.

B) First Party and Second Party believe that collaboration and cooperation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.

C) The parties intent to cooperate and focus their efforts in cooperation within the area of School Education, Higher Education, provide opportunity for teaching pedagogy, synergy in curriculum at all levels of education, extensive use of ICT and to facilitate advancement of knowledge on the basis of reciprocity, best effort, mutual benefit, and frequent interactions.

D) Both Parties being legal entities in themselves desire to sign this MOU for advancing their mutual interests.

E) MAJIGRAM BISWESWARI HIGH SCHOOL (H.S), the Second Party is a Government Sponsored Co-Educational Higher Secondary School.

F) The Second Party presently functions from its own campus at MAJIGRAM, DIST - PURBA BARDHAMAN – 713132. It has no other branch, wing, subsidiaries or extensions existing at present.

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISE SET FORTH IN THIS MOU, THE PARTIES HERE TO AGREE AS FOLLOWS:

Dr. Pradipta Kumar Basu  
OFFICER IN CHARGE, W.B.E.S.  
Government General Degree College, Mangalkote  
Dt. Purba Bardhaman, West Bengal- 713132



Clause-I  
CO-OPERATION

1.1 Both the Parties are united by common interest and objectives, and they shall establish channels of communication and co-operation that will promote and advance -

- Promotion of student centric teaching learning pedagogy which shall nurture creativity, competence belongingness and ownership among the learners;
- To instil scientific temper among young learners;
- To embrace equity and equality in education;
- Faculty and student exchanges based on reciprocity;
- Exposure of school students to state of the art laboratories and academic ambience of HEI;
- Team taught courses, including online courses for vocational opportunities;
- Visits by faculty, professional staff and students;
- Exchange of information on teaching, learning material and other literature relevant to their educational programmes;
- Joint organization of workshops and educational fair, and short-term continuing-education programmes on topics of mutual interest, inviting each other's faculty and students to participate therein;
- Joint organization of cultural programme, sports and other creative events to hunt talents and
- Any other joint venture for co-curricular and extra-curricular enrichment of both the Institution on prior agreement of the Head of the Institution of both the Institution; within the Institution and its related wings.

1.2 Both the Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.

1.3 First Party and Second Party must respect each other's to intellectual property and the disputes if any, relating to any aspect of academic cooperation, HOI of both the Institution will jointly resolve the dispute in a spirit of independence, mutual respect, and shared responsibility.

1.5 Both the Parties mutually agreed not to include any financial transaction during the execution of this MOU.

1.6 Neither Party shall be held responsible for non-fulfilment of their respective obligation under this MOU due to circumstances beyond their control but not limited to pandemic, war, flood etc. If such condition continues beyond six months, the parties shall then mutually decide about the future course of action.

1.7 Nothing in this MOU shall be constructed to make party a partner, an agent or legal representative of the other for any purpose. Now onwards both the party may mention the name and LOGO of the other in their documents as "COLLABORATOR" for purpose as may be required subject to communication by the user to the other party in writing beforehand.

1.8 This MOU unless terminated by mutual written agreement will continue for 5 years after the effective date specified in the opening paragraph and can be renewed through mutual interest. Either Party shall have the right to unilaterally terminate this MOU upon 90 days prior written notice to the other party.

Agreed:

For  
Government General Degree College, Mangalkote  
Purba Bardhaman-713132



*[Signature]*  
OFFICER IN CHARGE, W.B.E.S.  
Government General Degree College, Mangalkote  
Dt. Purba Bardhaman, West Bengal- 713132

For *[Signature]*  
Majigram Bisweswari High School  
Purba Bardhaman-713132

*[Stamp]*  
Majigram Bisweswari High School (H.S.)  
P.O.-Majigram, Dist. Purba Bardhaman

Authorized Signatory  
Government General Degree College, Mangalkote  
Purba Bardhaman-713132

Authorized Signatory  
Majigram Bisweswari High School  
Purba Bardhaman-713132

Witness - 1

*[Signature]*  
**DR. DEBASISH KUNDU**  
Assistant Professor in Chemistry (WBES)  
Govt. General Degree College, Mangalkote  
Purba Bardhaman, WB, 713132

Witness - 2

*[Signature]*  
Anup Roy  
ASST. Teacher.

*[Signature]*  
Dr. Pradipta Kumar Basu  
OFFICER IN CHARGE, W.B.E.S.  
Government General Degree College, Mangalkote  
Dt. Purba Bardhaman, West Bengal- 713132





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**Date: 10/05/2024**

**TO WHOM IT MAY CONCERN**


It is certified that in pursuance of the Memorandum of Understanding (MoU) signed between GOVERNMENT GENERAL DEGREE COLLEGE, MANGALKOTE and MAJIGRAM BISWESWARI HIGH SCHOOL (H.S.) dated 10<sup>th</sup> December 2022, Mr. Anup Roy, Assistant Teacher, MAJIGRAM BISWESWARI HIGH SCHOOL (H.S.) is doing research under Dr. Debasish Kundu, Assistant Professor of Chemistry (WBES) on the synthesis of chalcogenide based bio active molecules under sustainable conditions. Till date he has achieved synthesis of organoselenides and tellurides under solvent free mechanical ball milling. He also has successfully developed aryl and heteroaryl diselenides under metal free conditions. Their collaborative research won outstanding paper award in 6<sup>th</sup> RSTC organised by WBDST, Govt. of West Bengal. Currently He is working application of nanocatalysis in water medium towards green synthesis of bioactive molecules. They already published 5 research articles in reputed international journals with many more in pipeline.



  
**Majigram Bisweswari High School**  
**Purba Bardhaman-713132**

  
**Government General Degree College,**  
**Mangalkote**  
**Purba Bardhaman-713132**

**OFFICER IN CHARGE, W.B.E.S.**  
Government General Degree College, Mangalkote  
Dt. Purba Bardhaman, West Bengal- 713132

  
**Dr. Pradipta Kumar Basu**  
OFFICER IN CHARGE, W.B.E.S.  
Government General Degree College, Mangalkote  
Dt. Purba Bardhaman, West Bengal- 713132



**Dr. Arijit Chatterjee**

**Joint Director – Lifelong Learning  
&  
In Charge – Research Section**



**The University of Burdwan**

**Rajbati, Burdwan- 713104, W.B**

**M-9434740604**

**E-mail : jtdirector\_III@buruniv.ac.in**

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No.R-Ph.D./Regn./ Chem/ E-1

Dated: 29.05.2024

To:

Sri/Sm.Anup Roy

Dr. Debasis Kundu,

Dept. of Chemistry, GGDC, Mongalkote, Purba Bardhamam

**UNDER UGC's  
REGULATION 2016**

**Sub: Grant of Registration as a candidate for Ph.D. degree in Chemistry with effect from 15.09.2021**

Sir/Madam,

I am to inform you that the Faculty Council for P.G. Studies in Arts/ Science at its meeting held on **23.11.2023** permitted you to get yourself registered as a candidate for Ph.D. degree, mentioned above, the title of your thesis being , “ **SUSTAINABLE DEVELOPMENT FOR CARBON-HETEROATOM CROSS COUPLING UNDER BOTH METAL CATALYSED AND METAL FREE CONDITIONS**” 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 ---***

- You have been permitted to do research work under **Dr. Debasis Kundu, Asst. Prof. (WBES), Dept. of Chemistry, GGDC, Mongalkote, Purba Bardhamam, W.B.** as your Supervisor / Co- Supervisors.
- 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.
- 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.
- i) You will have to **publish 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.
- 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 15.09.2024 (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.

*Basu*  
**Dr. Pradipta Kumar Basu**  
OFFICER IN CHARGE, W.B.E.S.  
Government General Degree College, Mangalkote  
Dt. Purba Bardhaman, West Bengal- 713132



- 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,



**In Charge**  
**Research Section**

Copy forwarded for information to:

- 1) The Head of the Department of **Chemistry**, B.U.
- 2) Supervisor(s) of the candidate: **Dr. Debasis Kundu, Asst. Prof. (WBES), Dept. of Chemistry, GGDC, Mongalkote, Purba Bardhamam, W.B.**
- 3) The Senior Secretary, Faculty Council for P.G. Studies in **Science**, B.U.
- 4) The Finance Officer, B.U.

  
**Dr. Pradipta Kumar Basu**  
OFFICER IN CHARGE, W.B.E.S.  
Government General Degree College, Mangalkote  
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