



GOVERNMENT OF WEST BENGAL

BARASAT GOVERNMENT COLLEGE

OFFICE OF THE PRINCIPAL



NAAC ACCREDITED 'A' GRADE (2ND CYCLE), DST-FIST SPONSORED & ISO 9001:2015, 14001:2015, 50001:2018 CERTIFIED

10, K.N.C. Road, Barasat, Kolkata - 700124, West Bengal, India

Phone: (033) 2552 3365, Fax: (033) 2562 5053, Website: www.bgc.ac.in, E-Mail: principal@bgc.ac.in

Criterion III - Research, Innovations and Extension

MoU with

Taki Government College, Taki



পশ্চিমবঙ্গ পশ্চিম বঙ্গাল WEST BENGAL

85AB 417353



Memorandum of Understanding between

*Barasat Government College, Barasat, Kolkata - 700124, Govt. of West Bengal and
Taki Government College, Taki, West Bengal - 743429, Govt. of West Bengal*

The **Memorandum of Understanding** (hereinafter called the MoU) is entered into on this the

..... 17th Day of May..... Two Thousand Twenty three (2023)

By and Between

BARASAT GOVERNMENT COLLEGE, BARASAT, the "First Party" represented herein by its Principal 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)

TAKI GOVERNMENT COLLEGE, TAKI, the "Second party" and represented herein by the Officer-in-Charge 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)

Principal
Barasat Govt. College
Govt. of West Bengal
17/05/23



Officer-in-Charge
Taki Government College
Taki, 24 Parganas (N)
17/05/2023

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

A) **FIRST PARTY is a Government Higher Educational Institution named: BARASAT GOVERNMENT COLLEGE, 10, K.N.C. Road, Barasat, North 24 Parganas, Kolkata -700124.**

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 Higher Education, Research and Development, provide opportunity for global experience, 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) **TAKI GOVERNMENT COLLEGE, P.S. Hasnabad, TAKI, North 24 Parganas, Pin-743429, West Bengal, the SECOND PARTY is a Government Higher Educational Institute of West Bengal is under the aegis of the Department of Higher Education, Government of West Bengal and is engaged in imparting higher education by running Undergraduate Honours and Post graduate programmes in various science and its streams at present with rights, possibility and extension thereafter.**

The Second Party presently functions from its own campus at Taki, P.S. Hasnabad, North 24 Parganas, Pin-743429, West Bengal and will continue to do so until further order from the Department of Higher Education, Government of West Bengal. 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:

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 as far as practicable and to the best of efforts, that will promote and advance-

- i. Joint research projects and publications, including work by undergraduate and post graduate students at the partner institutions;
- ii. Faculty and student exchanges (internship) based on reciprocity;
- iii. Reciprocal placement of students and co-ops, when possible;
- iv. Team taught courses, including online courses and also work in the main spirit of NEP-2020;
- v. Visits by faculty, professional staff and students;
- vi. Exchange of information on teaching, learning material and other literature relevant to their educational and research programmes;
- vii. Joint organization of short-term continuing education programmes on topics of mutual interest and to invite each other's faculty to participate therein;
- viii. Joint organization of seminars, conferences or workshops on topics of mutual interest and to invite each other's faculty to participate therein; and
- ix. Any other joint venture for academic enrichment of both the colleges on prior agreement of the Principal/Officer-in-Charge of both the Colleges, 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 intellectual property and the disputes if any, relating to any aspect of academic cooperation, Principal/Officer-in-Charge of both the College will jointly resolve the dispute in a spirit of independence, mutual respect, and shared responsibility.

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

1.5 Neither Party shall be held responsible for non-fulfillment 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.

1.6 Nothing in this MoU shall be construed to make either 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.

S. K. Ghosh
Principal
Barasat Govt. College
Govt. of West Bengal
17/05/2023



K. M. Ghosh
Officer-in-Charge
Taki Government College
Taki, 24 Parganas (N)
17/05/2023

1.7 This MOU unless terminated by mutual written agreement will continue for 3 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
Barasat Government College, 10, K.N.C Road,
Barasat, North 24 Parganas, Kolkata - 700124



For
Taki Government College, Taki, P.S. Hasnabad,
North 24 Parganas, Pin-743429, West Bengal

Abhijit Das 17/05/2023
Authorized Signatory

IQAC Coordinator

Barasat Government College, 10, K.N.C Road,
Barasat, North 24 Parganas, Pin-700124
Ph: 9830235239
E-mail: iqac@bgc.ac.in
Website: www.bgc.ac.in

Dr. Abhijit De
Associate Professor in Physics
Coordinator, IQAC
Barasat Govt. College
Government of West Bengal

Sambhu Das 17/05/2023
Authorized Signatory

IQAC Coordinator

Taki Government College, Taki, P.S. Hasnabad,
North 24 Parganas, Pin-743429, West Bengal
Ph: 7980281429
E-mail: sbhk_das@yahoo.com
Website: www.tgc.ac.in

Coordinator
Internal Quality Assurance Cell (IQAC)
Taki Government College

Abhijit Das 17/05/23

Authorized Signatory **Principal**
Barasat Govt. College
Govt. of West Bengal

Principal
Barasat Government College, 10, K.N.C Road,
Barasat, North 24 Parganas, Pin-700124
Ph: 9733788309
E-mail: principal@bgc.ac.in
Website: www.bgc.ac.in

Sambhu Das 17/05/2023

Authorized Signatory **Officer-in-Charge**
Taki Government College
Taki, 24 Parganas (N)

Officer-In-Charge
Taki Government College, Taki, P.S. Hasnabad,
North 24 Parganas, Pin-743429, West Bengal
Ph: 9831711385
E-mail: takigovernmentcollege1950@gmail.com
Website: www.tgc.ac.in

Witness - 1

Dr. Chandan Surabhi Das
17/05/23

DR. CHANDAN SURABHI DAS
Associate Professor (WBES)
Department of Geography
Barasat Government College

Witness - 2

Sudeshna Chattopadhyay
17/05/23

ASSOCIATE PROFESSOR
Taki Govt. College



सत्यमेव जयते

GOVERNMENT OF WEST BENGAL

BARASAT GOVERNMENT COLLEGE

NAAC ACCREDITED "A" GRADE & DST-FIST SPONSORED COLLEGE



10, K.N.C. Road, Barasat, Kolkata - 700124, West Bengal, India

Phone : (033) 2562 5053, Office : (033) 2552 3365, Fax : (033) 2562 5053, Website : www.bgc.a.in, Email : principal@bgc.ac.in

Memo no

Date

The following collaborative activities have been completed in accordance with the Memorandum of Understanding signed by Barasat Government College and Taki Government College on 17th May 2023.

Activity Type	Date/Duration	Faculty details	Activity details Syllabus/Paper code/ Topic Covered	Number of participants
1. Syllabus Oriented Class	30-05-2023	Jyoti Saha, Assistant Professor, Department of Physics, Taki Government College.	UG Semester II Superposition of two perpendicular harmonic oscillations	16
2. Syllabus Oriented Class	30-05-2023	Kaushik Naskar. Assistant Professor, Department of Physics, Taki Government College.	UG Semester IV Emergence of quantum mechanics PG Semester II Dirac formalism of quantum mechanics	26
3. Syllabus Oriented Class	25-05-2023	Sarajit Biswas Assistant Professor, Department of Physics, Barasat Government College.	Semester IV Wave properties of light: interference and analog laboratory class	32
4. Syllabus Oriented Class	25-05-2023	Sudip Mukherjee Assistant Professor, Department of Physics, Barasat Government College.	Semester II Vector analysis and thermal physics laboratory	22

Shatterje

Principal

Barasat Government College

Principal

Barasat Government College

[Signature]

Principal/OIC

Taki Government College

Officer-in-Charge
Taki Government College
Taki, 24 Parganas (N)

**Faculty Exchange Programme
Between**

Barasat Government College, Barasat and **Taki Government College**

With reference to the MoU signed on **17/05/2023**

Name and Designation of the Faculty Engaged: **Jyoti Saha**

Place: **Barasat**

Date: **30/05/2023**

Time: **11.30 A.M**

Topic: **Superposition of two perpendicular harmonic oscillations**

Subject: **Physics**

Semester: **UG-II**

Attendance of the Students

Sl. No.	Name	E-mail ID / Mob. No.	Signature
1	Shriya Hazra	7865070229	Shriya Hazra
2	Santasee Mitra	8274870409	Santasee Mitra
3	Nilanjana Datta	8159900285	Nilanjana Datta
4	Pratyush Sarkar	8910984381	Pratyush Sarkar
5	Ratnapurna Halder	7029048118	Ratnapurna Halder
6	Trisha Kundu	0046947770	Trisha Kundu
7	Bibhu Prasad Datta	9735894314	Bibhu Prasad Datta
8	PARAMITA MONDAL	7551021017	Paramita Mondal
9	MOUKHI SARKAR	7059686351	Moukhi Sarkar
10	RIMMI MONDAL	8158091242	Rimmi Mondal
11	UTSHA SENGUPTA	8617884656	Utsa Sengupta
12	Sreyosh Datta	6290077279	Sreyosh Datta
13	PROSENJEET MONDAL	7390680237	Prosenjeet Mondal
14	ABUL BASAR MD YOUNUS	7908176909	Abul Basar Md Younus
15	DEBJIT KUNDU	9153819833	Debjit Kundu
16	SAYAN KABIR	9382338125	Sayan Kabir
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			

Jyoti Saha
30/05/23

Faculty Exchange Programme

Between

Barasat Government College, Barasat and

Taki Government College

With reference to the MoU signed on

17/05/2023

Name and Designation of the Faculty Engaged:

Kaushik Naskar, Assistant Professor

Place: Barasat

Date: 30/05/2023

Time: 11.30 A.M.

Topic: Emergence of Quantum Mechanics

Subject: Physics

Semester: UG-~~III~~IV

Attendance of the Students

Sl. No.	Name	E-mail ID / Mob. No.	Signature
1	Joy Basak	9382774413	Joy Basak
2	Arudip Ghosh	7890744080	Arudip Ghosh
3	Somnath De	9064022667	Somnath De
4	Subhradeep Ghosh	9883768259	Subhradeep Ghosh
5	Sayan Roy	8158028262	Sayan Roy
6	Prayash Ghosh	8240541959	Prayash Ghosh
7	Sahin Sardar	8101704398	Sahin Sardar
8	Subham Das	9883396002	Subham Das
9	Shubham Roy	7468951299	Shubham Roy
10	Ayudhya Guha	7044025790	Ayudhya Guha
11	Soweta Shaw	9874202243 Soweta Shaw	Soweta Shaw
12	Shreyani Raptan	9883694861	Shreyani Raptan
13	Saheli Dey	8240723747	Saheli Dey
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			

Kaushik Naskar
30/5/23

Faculty Exchange Programme
Between

Barasat Government College, Barasat and Taki Government College

With reference to the MoU signed on 17/05/2023

Name and Designation of the Faculty Engaged: Kaushik Naskar, Assistant Professor

Place: Barasat

Date: 30/05/2023

Time: 12.30 P.M

Topic: Dirac formalism of quantum mechanics

Subject: Physics

Semester: P.A.-II

Attendance of the Students

Sl. No.	Name	E-mail ID / Mob. No.	Signature
1	Sweeta Pal Majumder	9748982264	Sweeta Pal Majumder.
2	Madhusree Bera	7699158937	Madhusree Bera
3	Prakriti Biswas.	7044767096	Prakriti Biswas
4	Mouli Mondal	9062796563	Mouli Mondal
5	Pritam Samanta.	6289557978	Pritam Samanta
6	Arijit Chakraborty	8395027662	Arijit Chakraborty.
7	Jagdish Ghosh	7003488659	Jagdish Ghosh
8	Biplab Ketan Bala	8372972231	Biplab Ketan Bala
9	Nayan Dutta	8295783013	Nayan Dutta
10	DEBNARAYAN GHOSH	9073220059	Debnarayan Ghosh
11	SUBHOJIT DAS	6289719192	Subhojit Das
12	SOUROV GHOSH	9051908381	Sourov Ghosh
13	PRASANTA PAUL	8293939315	Prasanta Paul.
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			

Kaushik Naskar
30/5/23

Faculty Exchange Programme
Between

Barasat Government College, Barasat and Taki Government College

With reference to the MoU signed on 17/05/2023

Name and Designation of the Faculty Engaged: Sarajit Biswas

Place: Taki

Date: 25/05/2023

Time: 11.30 A.M

Topic: wave properties of light: interference and analog laboratory

Subject: Physics

Semester: UG-IV

Attendance of the Students

Sl. No.	Name	E-mail ID / Mob. No.	Signature
1	Rajibul Sardar	9064787770	R.S
2	Atanu Baehar	8768137802	A.B.
3	Sayanik Ghosh	sayanikghosh17@gmail.com	S.G
4	Rakhanaman Mondal	rakhanamanmondal111@gmail.com	Ran Mondal
5	Bikram Bhargi	bikrambhargi123@gmail.com	B. Bhargi
6	Shahid Afridi	shahidwindows78@gmail.com	S. Afridi
7	Hasanuzzaman Sardar	7810925557	H.S
8	Biswanath Paul	8509560578	B.P
9	Dibakar Shankhar	7679828335	Dibakar Shankhar
10	Aspita Paramanick	7908123179	Aspita Paramanick
11	Rishita Ray	8918706637	Rishita Ray
12	Ratnadeep Sardar	9732447855	Ratnadeep Sardar
13	Paromita Ghosh	8768625268	P.G
14	Priyanka Das	8967798744	Priyanka Das
15	Tithi Das	7478555330	Tithi Das
16	Sahanur Alam Grazi	8370810490	SAG
17	Jayminara Patra	8327499860	J.P
18	Nandini Nandi	9832477817	N.N
19	Anvisha Das	9063888693	A.D
20	Hritik Mondal	7407750187	H.M
21	Masudbilla Gaine	8967799307	M.Gaine
22	Dipesh Mandal	6296053343	D.Mandal
23	Chandrup Mukherjee	9883589428	C.M
24	Sandip Nath	6295924691	Sandip Nath
25	Masud Islam	9641707170	M.Islam
26	Subhajit Ray	7872563199	Subhajit Ray
27	MD SHAMIM ALI MOLLIA	9641813780	Shamim Ali Mollia
28	MD Anisur Mondal	6295714656	MD Anisur Mondal
29	Sahariaz Alam	8101810341	S.Alam
30	Akib Grazi	7029213060	A-Grazi
31	Kishore Kumar Karimkhan	8167753774	Kishore
32	Sahariaz Mondal	9775280557	S.Mondal
33			
34			
35			
36			
37			
38			

Biswas
25/5/23

Faculty Exchange Programme

Between

Barasat Government College, Barasat and

Taki Government College

With reference to the MoU signed on

17/05/2023

Name and Designation of the Faculty Engaged:

~~Sarajit Bhowmik~~ Sudip Mukherjee

Place: Taki

Date: 25/05/2023

Time: 11.30 A.M

Topic: ~~Wave properties of light: interference and analogy laboratory class~~

Subject: ~~Physics~~ Vector analysis and thermal physics laboratory Semester: U.G. ~~I~~ II

Attendance of the Students

Sl. No.	Name	E-mail ID / Mob. No.	Signature
1	Rohak Chowdhury	7602459992	Rohak Chowdhury
2	Hiranmay Sarkar	HiranmaySarkar645@gmail	Hiranmay Sarkar
3	Rakib Mondal	9082205500	Rakib Mondal
4	Zeesan Afroz	9083358177	Zeesan Afroz
5	Sambhanta Ghosh	9641432715	Sambhanta Ghosh
6	Saonim Akter Sardar	9734821487	Saonim Akter Sardar
7	Kuntal Das	8927027907	Kuntal Das
8	Subham Das	8617490261	Subham Das
9	Dipam Pal	dipampal300@gmail.com	Dipam Pal
10	Jatai Paul	pauljatai9999@gmail.com	Jatai Paul
11	SUMIT HORE	sumitaa827@gmail.com	Sumit Hore
12	NISHIT SAHA	nishitsaha450@gmail.com	Nishit Saha
13	JINNATUN NECHHA	jinnatun_nechha_jinnatun3056@gmail.com	Jinnatun Nechha
14	Saumita Das	7478829559	Saumita Das
15	Anindita Mondal	8348425252	Anindita Mondal
16	Minisha Mukherjee	9883535525	Minisha Mukherjee
17		monishamukherjee152@gmail.com	
18	Gourabango Mondal	9749023348	Gourabango Mondal
19	Abdul Karim Mondal	8145514235	Abdul Karim Mondal
20	Asif Mallik	9339913313	Asif Mallik
21	Aritra Nath Hazra	9609221529	Aritra Nath Hazra
22	Meghna Mukherjee	9597875668	Meghna Mukherjee
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			

Sudip
25/5/23

Taki Government College, Taki

Syllabus Oriented Class held on 25-05-2023 at Taki

Faculty Engaged: Dr. Sudip Mukherjee

Designation: Assistant Professor in Physics, Barasat Government College



Syllabus Oriented Class held on 25-05-2023 at Taki

Faculty Engaged: Dr. Sarajit Biswas

Designation: Assistant Professor in Physics, Barasat Government College



Syllabus Oriented Class held on 30-05-2023 at Barasat

Faculty Engaged: Dr. Kaushik Naskar

Designation: Assistant Professor in Physics, Taki Government College



Syllabus Oriented Class held on 30-05-2023 at Barasat

Faculty Engaged: Dr. Jyoti Saha

Designation: Assistant Professor in Physics, Taki Government College

