



पश्चिमबङ्ग पश्चिम बंगाल WEST BENGAL

AP 205899

MEMORANDUM OF UNDERSTANDING
BETWEEN
ASUTOSH COLLEGE, KOLKATA
AND
MAULANA AZAD COLLEGE, KOLKATA

The MOU is entered into on 24th May 2023 by and between Asutosh College, situated at 92, Shyamaprasad Mukherjee Road, Kolkata 700026 and Maulana Azad College situated at 8, Rafi Ahmed Kidwai Rd, Taltala, Kolkata, West Bengal, Kolkata - 700013.

Incumbent 1	Asutosh College	Incumbent 2	Maulana Azad College
Represented by	Dr. Manas Kabi	Represented by	Dr. Subhasis Dutta
Address (Office)	92, Shyamaprasad Mukherjee Road, Kolkata 700026	Address (Office)	8, Rafi Ahmed Kidwai Rd, Taltala, Kolkata, West Bengal, Kolkata - 700013.
Email	mail@asutoshcollege.in	Email	maulanaazadcollegekolkata@gmail.com
Phone number	033-24554504	Phone number	033-29730203

The aforesaid institutions are hereinafter referred to individually as institute and collectively as institutes.



Manas Kabi
PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



Principal
Principal
Maulana Azad College
Govt. of West Bengal

ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/ 2486-3912
Fax : (033) 2486-3006
Mail : mail @asutoshcollege.in
Web : www.asutoshcollege.in

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- **TITLE OF THE EVENT:** HANDS ON TRAINING ON BIOMEDICAL TECHNIQUES
 - **THEME OF THE EVENT/ PROGRAMME:** Add-on course organized by the Department of Zoology, Maulana Azad College, Kolkata - 700013 as part of MOU between Asutosh College and Maulana Azad College
 - **ACADEMIC SESSION:** 2022 - 2023
 - **DATE:** May, 2023
 - **VENUE:** Postgraduate Department of Zoology, Maulana Azad College
 - **OBJECTIVE/ PURPOSE:** To provide hands on training on biomedical techniques
 - **SPEAKER/S / RESOURCE PERSON/S:** Faculty Members, Postgraduate Department of Zoology, Maulana Azad College
 - **TARGET AUDIENCE/ PARTICIPANTS:** Students of Undergraduate and Postgraduate Studies from both Colleges
 - **BRIEF REPORT ABOUT THE EVENT/ PROGRAMME:**

DAY 1:

- Welcome address: By Prof. Subir Ch. Dasgupta, HOD, Department of Zoology, Maulana Azad College and Dr. Dipak K. Som, IQAC Co-Ordinator, Maulana Azad College

- Hands on training on “Determination of Some Haematological Parameters” by Dr. Rajarshi Ghosh, Assistant Professor in Zoology (WBES), Department of Zoology, Maulana Azad College.

DAY 2:

- Hands on training on “Effect of pH on Enzyme Activity” by Dr. Abhishek Mukherjee, Assistant Professor in Zoology (WBES), Department of Zoology, Maulana Azad College.

DAY 3:

- Hands on training on “Mitotic Chromosome Preparation from Bone Marrow of Albino Rat (*Rattus* sp.)” by Dr. Susanta Roy Karmakar, Associate Professor in Zoology (WBES), Department of Zoology, Maulana Azad College.

DAY 4:

- Hands on training on “Restriction endonuclease digestion and demonstration” by Dr. Sujit Kumar Bhowal, Associate Professor in Zoology (WBES), Department of Zoology, Maulana Azad College.

DAY 5:

- Hands on training on “RNA isolation from animal tissue using Trizol reagent” by Dr. Nabanita Ghosh, Assistant Professor in Zoology (WBES), Department of Zoology, Maulana Azad College.

➤ **EXPECTED OUTCOME:** Students have been entrained through this hands-on training so that they can perform these experiments themselves. The knowledge they have gathered in their theoretical classes were demonstrated in front of them for a better understanding.

➤ **PHOTOGRAPHS:**



Manas Kabi

Dr. Manas Kabi
Principal
Asutosh College

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ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



Maulana Azad College

8, Rafi Ahmed Kidwai Rd, Taltala, Kolkata
West Bengal 700013

(NAAC accredited 'A' grade and DBT Star Status College)



CERTIFICATE OF PARTICIPATION

This is to certify that **Bidisha Roy** of **Asutosh College**, **Kolkata** has actively participated in the **30 Hours Add-on Course** entitled "**HANDS ON TRAINING ON BIOMEDICAL TECHNIQUES**" in the session 2022-2023 organised by **Department of Zoology** in collaboration with IQAC, Maulana Azad College.

Dr. Subhasis Dutta
Principal
Maulana Azad College

Dr. Dipak Kumar Som
Co-ordinator, IQAC
Maulana Azad College

Prof. Subir C. Dasgupta
Head Department of Zoology
Maulana Azad College



पश्चिमबङ्ग पश्चिम बंगाल WEST BENGAL

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Memorandum of Understanding (MOU)

THIS AGREEMENT is made on this 24 day of May, 2023

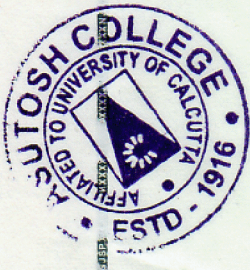
BETWEEN

ASUTOSH COLLEGE, situated at 92, Shyama Prasad Mukherjee Rd,
Kolkata, West Bengal 700026

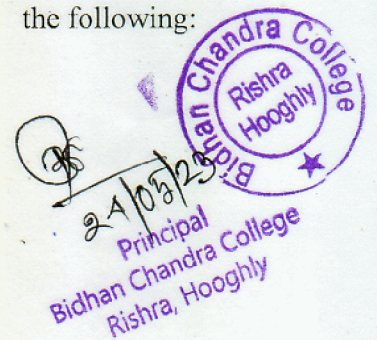
AND

BIDHAN CHANDRA COLLEGE, situated at
31, G. T. Road (East) Rishra, Serampore, Hooghly - 712248

This Memorandum of Understanding ("MOU") is to promote academic linkages between the two institutions and facilitate their development of collaborative and mutual programmes that will enhance the intellectual life of both institutions, contribute to increased cooperation and promote mutual understanding. Thus, ASUTOSH COLLEGE and BIDHAN CHANDRA COLLEGE, here in after individually referred to as "The Party" and jointly referred to as "The Parties" have agreed to the following:



Kanan Kabi 24/05/23
PRINCIPAL
ASUTOSH COLLEGE
92, S. P. MUKHERJEE ROAD
KOLKATA-700 026



ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



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Fax : (033) 2486-3006
Mail : mail@asutoshcollege.in
Web : www.asutoshcollege.in

➤ **TITLE OF THE PROGRAMME:**

Faculty Exchange Program between Asutosh College and Bidhan Chandra College, Rishra.

➤ **THEME OF THE PROGRAMME:**

Faculty from Dept. of Microbiology, Asutosh College had delivered lecture and taken class to students of Physics Dept., Bidhan Chandra College, Rishra (Inter-Disciplinary Class) as part of MOU between Asutosh College and Bidhan Chandra College, Rishra.

➤ **ACADEMIC SESSION:**

2022 – 2023

➤ **DATE:**

02 June 2023

➤ **VENUE:**

Dept. of Physics, Bidhan Chandra College, 31, GT Road, Rishra, Hooghly, West Bengal Pin-712248

➤ **OBJECTIVE/ PURPOSE:**

To enrich students with knowledge of subjects that is out of their regular disciplines.

➤ **RESOURCE PERSON:**

Dr. Pranab Kumar Das, Assistant Professor, Dept. of Microbiology, Asutosh College.

➤ **TOPIC OF THE CLASS:**

Scope of Career in Pharmaceutical Industry-QC

➤ **COURSE OF THE PROGRAMME:**

This lecture was organized to give an insight to students about the scope of career they may grow in pharmaceutical industries, which is an interdisciplinary lecture too. The lecturer himself had more than 5 years experience in QC department of pharmaceutical industries and he vividly shared his experience with the students.

Firstly; various National and International pharmaceutical companies in India & abroad that offer job to candidates, was introduced to the students. Next, an introduction to Pharmacopoeia was given and the current version of USP, BP, IP was explained deeply. Then the lecture moved towards an inner view of a pharma manufacturing plant in Sikkim where the lecturer had passed major portion of his career life. A video of microbiology laboratory was shared with students and students observed it exuberantly.

Thereafter, various microbiological tests were explained. These tests include – Microbial limit tests as *E coli*, *Salmonella*, *Shigella*, *S aureus*, *Pseudomonas*, *Clostridia*, *Candia albicans* and their growth on corresponding liquid medium and agar plates as well as typical cultural characteristics and biochemical properties were elucidated. Finally, Bacterial Endotoxin Test (BET) and Sterility Test in sterile pharmaceutical formulations as injection and eye drops were explicated in detail.

➤ **EXPECTED OUTCOME:**

This lecture was of enormous help to the students where they got to know about the pharmaceutical sector and different questions they face during interviews. Even though students were from physics background, their scope in such an industry was also explained. There was a brief question-answer session and all doubts were cleared properly.

➤ **PHOTOGRAPHS:**





 GPS Map Camera

Hooghly, West Bengal, India

Bidhan Chandra College, 31, Grand Trunk Rd, East), Post, Rishra, West Bengal 712248, India

Lat 22.722422°

Long 88.354674°

02/06/23 03:40 PM GMT +05:30

Google



ASUTOSH COLLEGE
92, S.P. MUKHERJEE ROAD,
KOLKATA - 700026
www.asutoshcollege.in



BIDHAN CHANDRA COLLEGE
31, G. T. Road (East) Rishra
Hooghly - 712248


FACULTY EXCHANGE PROGRAMME, ACADEMIC SESSION 2023-2024

Between ASUTOSH COLLEGE and BIDHAN CHANDRA COLLEGE


Under Memorandum of Understanding (MoU), Dated: 24.05.2023

1.	NAME OF THE FACULTY MEMBER	Dr. Pranab Kumar Das										
2.	NAME OF THE DEPARTMENT	Microbiology										
3.	NAME OF THE COLLEGE OF THE FACULTY MEMBER	Asutosh college										
4.	DATE OF FACULTY EXCHANGE PROGRAMME	02/06/2023										
5.	IS THE LECTURE DISCIPLINE-SPECIFIC OR INTER-DISCIPLINARY OR MULTI-DISCIPLINARY? (Tick the Option)	<table border="1"> <tr> <td></td> <td>DISCIPLINE-SPECIFIC</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>INTER-DISCIPLINARY</td> </tr> <tr> <td></td> <td>MULTI-DISCIPLINARY</td> </tr> </table>		DISCIPLINE-SPECIFIC	<input checked="" type="checkbox"/>	INTER-DISCIPLINARY		MULTI-DISCIPLINARY				
	DISCIPLINE-SPECIFIC											
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	MULTI-DISCIPLINARY											
6.	IF INTER-DISCIPLINARY OR MULTI-DISCIPLINARY MENTION THE NAME(S) OF THE CONCERNED DEPARTMENTS	<table border="1"> <tr> <td>1.</td> <td>Physi's</td> </tr> <tr> <td>2.</td> <td></td> </tr> <tr> <td>3.</td> <td></td> </tr> <tr> <td>4.</td> <td></td> </tr> <tr> <td>5.</td> <td></td> </tr> </table>	1.	Physi's	2.		3.		4.		5.	
1.	Physi's											
2.												
3.												
4.												
5.												
7.	NAME OF THE TOPIC	Scope of career in Pharma Industry - Gc.										
8.	NUMBER OF STUDENTS WHO ATTENDED THE LECTURE	23										
9.	FEEDBACK FROM FACULTY MEMBER ABOUT THE PROGRAMME	The overall outcome of today's Faculty-Exchange Programme on the above noted topic (Sl.No.7) delivered by Dr. Pranab K. Das has been a deep and positive impact on both the visiting faculty member as well as on the students and faculties of the college. The sincere approach of the concerned faculty has inspired the students and faculties to a large extent and it denotes that this sort of collaboration and exchange programme would enrich the teachers and the taught of both the institutions.										




Signature of the Principal of
Bidhan Chandra College
The Host College
Rishra, Hooghly

Pranab Kumar Das
Signature of the Faculty Member
participating in the
Faculty Exchange Programme


Co-ordinator
Signature of the IQAC Coordinator/
Bidhan Chandra College
IQAC member of Host College


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