



MUGBERIA GANGADHAR MAHAVIDYALAYA

P.O.—BHUPATINAGAR, Dist.—PURBA MEDINIPUR, PIN.—721425, WEST BENGAL, INDIA

NAAC Re-Accredited B+Level Govt. aided College

CPE (Under UGC XII Plan) & NCTE Approved Institutions

DBT Star College Scheme Award Recipient

E-mail : mugberia_college@rediffmail.com // www.mugberiangangadharmahavidyalaya.ac.in

Report of Certificate Course on *Chemical Lab Technician*

Course Period: **02nd December 2022 – 17th January 2023**

Organized By

Department of Chemistry (UG)

Mugberia Gangadhar Mahavidyalaya

Bhupatinagar, Purba Medinipur-721425

Accredited by NAAC with grade B+

Affiliated to

Vidyasagar University



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Date: 17-09-2022

Department of Chemistry Notice

This is to hereby notify all the students, Mugberia Gangadhar Mahavidyalaya is going to organize a certificate course on "Chemical Lab Technician" from 02nd December 2022- 17th January 2023 (30 hrs) in our department through offline mode. The course will be delivered by lecture, interaction and doubt clearance along with practical demonstration on the said topic. All the students of our college especially of our dept., are requested to attend this course.

Swarn Kumar Misra 17-09-22
Dr. Swapan Kumar Misra
Principal

Mugberia Gangadhar Mahavidyalaya

Principal
Mugberia Gangadhar Mahavidyalaya



Bidhan Chandra Samanta 17/9/22

Dr. Bidhan Chandra Samanta
HOD, Chemistry Department
Mugberia Gangadhar Mahavidyalaya





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Members present:

1. Dr. Bidhan Ch. Samanta, HOD, Associate Prof., Dept. of Chemistry
2. Dr. Narottam Sutradhar, Assistant Prof., Dept. of Chemistry
3. Mr. Ribhu Maity, SACT Teacher, Dept. of Chemistry.
4. Mr. Mrigendu Midya, SACT Teacher, Dept. of Chemistry.
5. Mr. Goutam Kr. Jana, SACT Teacher, Dept. of Chemistry.
6. Mrs. Minakshi Maity, SACT Teacher, Dept. of Chemistry

A short meeting was arranged at 3 pm regarding the implementation of certificate course on “*Chemical Lab Technician*” in our Department. All teachers of the department joined the meeting in time. **Dr. Bidhan Chandra Samanta, HOD of Dept. of Chemistry** chaired the meeting.

Decision taken in the meeting is:

- (1) It is decided that **Dr. Bidhan Chandra Samanta** will be course director of this course.
- (2) It is decided that **Dr. Narottam Sutradhar** will be coordinator of this course. The course period will be scheduled from: **02nd December 2022– 17th January 2023**. It is decided that the course will be delivered by lecture, interaction and doubt clear with an examination on topic related to the topic. HOD will forward the matter for approval of this course from Academic Sub-committee. Teachers are requested to prepare a routine for smooth running of course.

The meeting comes to end with a vote of thanks.

About The Course

In every scientific laboratory, there is a set of fundamental skills that needs to be mastered. A solid foundation of core lab skills is essential to produce accurate, reproducible results, as well as to prevent damaging expensive equipment and endangering the safety of the lab mates. In addition, with an increasing focus on reproducibility, it be somebody's duty to ensure that they are practiced in basic skills and up to date with the latest advances in lab techniques.

In this respect, laboratory equipment management, instrument selection, initial selection assessment, budgeting, installation, detailed training and instruction for all stages of the instruments operation, laboratory evaluation, documentation of results, developing maintenance plan, preventive maintenance, equipment inventory, general laboratory safety measures will be taught throughout the classes.

Chemical technicians conduct laboratory tests to help scientists analyze the properties of materials. Chemical technicians often work in laboratories or in manufacturing facilities, such as chemical manufacturing plants. Most technicians work full time. Employment of chemical technicians is projected to grow 4 percent from 2021 to 2031, about as fast as the average for all occupations.

About 7,800 openings for chemical technicians are projected each year, on average, over the decade. Many of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as to retire.

Course Learning Outcome

- Handle different types of instrument. Perform routine tasks and assigned procedures to support the purification, analysis and synthesis of chemical compounds and samples.
- Use prescribed laboratory procedures to conduct basic manual and instrumental quantitative analysis and report results.
- Operate and *troubleshoot** chemical analysis instruments and equipment to assure accurate results.
- Perform quality assurance and quality control procedures, including basic statistical analyses, in accordance with international and industry standards and government regulations.
- Complete chemical laboratory tasks and projects using computer and information technologies.
- Implement health and safety practices to ensure a safe laboratory environment for oneself and others.
- Contribute to the efficient and ethical use and promotion of chemical laboratory resources through established *sustainability** practices.

CERTIFICATE OF PARTICIPATION:

The participants will be provided Certificates on successful completion of the course.

VENUE: Chemistry Lab, Department of Chemistry (UG), Mugberia Gangadhar Mahavidyalaya.

NOTE: The Evaluation will be done by MCQ test and Attendance is Compulsory.

Syllabus of *Chemical Lab Technician*

This course is offered to students in the Chemical and Environmental programs. It is intended as an introduction to the broad field of chemistry. Students will be introduced to applications of chemistry and the uses of chemicals in the world around us. Students will explore fundamental concepts of chemistry such as chemical nomenclature, atomic structure, units of measurement, physical and chemical changes, balancing chemical reactions, percent composition, reaction stoichiometry, solubility, the activity series, solution concentration, solution stoichiometry and the gas laws. During laboratory exercises students will have an opportunity to execute and investigate these fundamental concepts.

Course units

1. General laboratory safety measures
2. Laboratory equipment management
3. Instrument selection
4. Initial selection assessment
5. Budgeting
6. Detailed training and instruction for all stages of the instruments operation
7. Laboratory evaluation,
8. Documentation of results
9. Developing maintenance plan and preventive maintenance
10. Equipment inventory

Certificate Course on
Chemical Lab Technician

List of register Students

Sl. No.	Subject	Name of Students	No.
1	B.Voc (3rd year)	SAGARIKA MATIA	0001
2	B.Voc (3rd year)	SHIBANI MAITY	0002
3	B.Voc (3rd year)	RIMA GIRI	0003
4	B.Voc (3rd year)	BANASHRI MANNA	0005
5	B.Voc (3rd year)	RAKHI RANI GURIA	0006
6	B.Voc (3rd year)	MADHUMANTI PRADHAN	0007
7	B.Voc (3rd year)	SOURAV PANDA	0008
8	B.Voc (3rd year)	MOUMITA MAIKAP	0009
9	B.Voc (3rd year)	MITA PANDA	0010
10	B.Voc (3rd year)	SULEKHA DHARA	0012
11	B.Voc (3rd year)	PUJA BHUNIA	0014
12	B.Voc (3rd year)	POUSHALI CHOWDHURY	0016
13	B.Voc (3rd year)	SURAJ DAS	0017
14	B.Voc (3rd year)	SAYAN DAS	0018
15	B.Voc (3rd year)	SANJIB DAS	0020
16	B.Voc (3rd year)	SATHI LAHAR	0021
17	B.Voc (3rd year)	MADHUMITA KAR	0023
18	B.Voc (3rd year)	TIYASA ROY	0024

Certificate Course on
CHEMICAL LAB TECHNICIAN

Some glimpse of this course



Department of

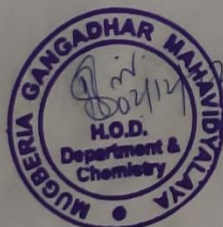
Student Class Attendance List

Certificate course on
Chemical Lab Technician

organized by
Department of Chemistry
Mugberia Gangadhar Mahavidyalaya

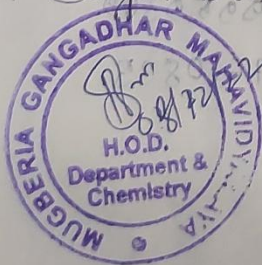
Date: 02/12/2022

<u>Sl. No.</u>	<u>Name</u>	<u>SEM</u>	<u>M/F</u>	<u>mobile</u>
1.	Sagarika Malia.	3rd	F	6297625870
2.	Bibhani Malia	3rd	F	9907135980
3.	Rima Giri	3rd	F	8145488241
4.	Banashree Manna	3rd	F	6297270737
5.	Rakhi Rani Guria	3rd	F	9382194370
6.	Madhumanti Pradhan	3rd	F	9733689145
7.	Soutra Panda	3rd	M	9382910348
8.	Mocemita Maikap	3rd	F	8391043131
9.	Mita Panda.	3rd	F	7864918950
10.	Sulekha Khara	3rd	F	9641621561
11.	Puja Bhenia	3rd	F	7407058813
12.	Paushali Chowdhury	3rd	F	9382216316
13.	Suraj Das	3rd	M	8327612090
14.	Sayan Das.	3rd	M.	7364867483
15.	Sanjib Das	3rd	M	7908624435
16.	Sathi Lohar	3rd	F	9749959309
17.	Madhumita karr	3rd	F	6297610833



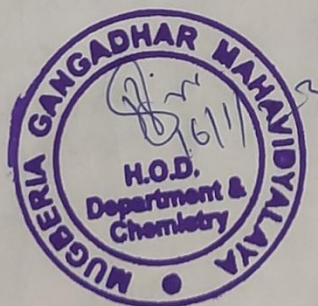
Date - 8/12/22

Sl. No.	Name	Sem	M/F	Mobile
1.	Sulekha Dhara	3rd	F	9641621361
2.	Priya Bohuria	3rd	F	97401058813
3.	Poushali Choudhury	3rd	F	9382216316
4)	Triana Roy	3rd	F	85095132420
5)	Bipasa Jana	3rd	F	9609296124
6)	Sakti Lohar	3rd	F	9749959309
7)	Madhumita Das	3rd	F	6297610883
8)	Shibani Maity	3rd	F	9907135980
9)	Rima Giri	3rd	F	814548824
10)	Sagarika Matia	3rd	F	6297625870
11	Madhumanti Pradhan	3rd	F	9733689145
12	Banashree Manna	3rd	F	6297270737
13.	Bakhi Rani Gupta	3rd	F	9382194370
14.	SOLITRAV Panda	3rd	M	9382910348
15.	Suryaj Das	3rd	M.	832761205
16.	Sayan Das	3rd	M.	7364867483



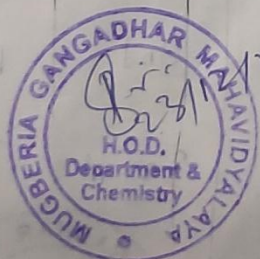
Date → 16/01/23

Sl. No.	Name	Sem	M/F	Phone
1.	Madhumita Kar	3rd	F	6297610833 7364867483
2.	Sayan Das	3rd	M.	6297610833 859513430
3.	Tiyana Roy	3rd	F	7864918950
4.	Mita Panda	3rd	F	9382910348
5.	Saurav Panda	3rd	M	
6.	Madhramanti Pradhan	3rd	F	9733689145
7.	Puja Bhunia	3rd	F	7407058313
8.	Sulekha Thara	3rd	F	9641621561
9.	Banjib Das	3rd	M	7908624435
10.	Banashree Manna	3rd	F	6297270737
11.	Seraj Das	3rd	M	8326612050
12.	Mousmita Maikap	3rd	F	8391043137
13.	Satamika Matia	3rd	F	6297625870
14.	Bipana Jana	3rd	F	9609296124
15.	Rima Giri	3rd	F	8145488241
16.	Shibani Maity	3rd	F	9907135980
17.	Sathi Lohar	3rd	F	9749959309.
18.	Poushali Chowdhury	3rd	F	9382216316
19.	Rekhi Rani Gurja	3rd	F	9382194370



Date → 23/12/22

Sl. No.	Name	Sem	M/F	Phone
1.	Sulekha Khara	3rd	F	9641621561
2.	Seraj Das	3rd	M	8322612050
3.	Sayan Das.	3rd	M	7364867483
4.	Pujan Shukla	3rd	F	7407058313
5.	Madhumanti Badhan	3rd	F	9733689197
6.	Tisara Roy	3rd	F	8595133930
7.	Neemita Mainap	3rd	F	8391093131
8.	Bipona Jona	3rd	F	9609296124
9.	Soujaya Panda	3rd	M	9382910348
10.	Sanjib Das	3rd	M	7908624435
11.	Banastri Manna	3rd	F	6297270737
12.	Mita Panda	3rd	F	7864918950
13.	Rima Gini	3rd	F	8145488241
14.	Sagarika Molli	3rd	F	6297625870
15.	Bhubani Maity	3rd	F	9907135980
16.	Poushali Chowdhury	3rd	F	9382216316
17.	Rakhi Rani Guria	3rd	F	9382194370
18.	Madhumita Kar	3rd	F	6297610833
18.	Sulekha Khara	3rd	F	9641621561
19.	Sathi Lohar	3rd	F	9749959309



Glimpses of the certificates



Certificate Course on
“CHEMICAL LAB TECHNICIAN”
2nd Dec. 2022 to 17th Janu. 2023
Organized by-
Department of Chemistry
Under DBT Star College Strengthening Scheme. Govt. of India
MUGBERIA GANGADHAR MAHAVIDYALAYA
Bhupatinagar :: Purba Medinipur :: West Bengal :: 721425

Participation Certificate

This is to certify that Mr./Mrs. Bipasa Jana, a student of Department of **MUGBERIA GANGADHAR MAHAVIDYALAYA** has successfully participated & completed the thirty hours Certificate course on “Chemical Lab Technician” and obtained grade ‘A’.

Note : The grade should be as follows ; A+ : 80 percent and above A : 65 percent to less than or equal to 79
|B : 50 percent to less than or equal to 64|C : 35 percent to less than or equal to 49|F : 34 percent and below.

Date : 27 th January 2023
Place : Mugberia Gangadhar Mahavidyalaya


Dr. Bidhan Chandra Samanta
Associate Prof. & HOD, Chemistry
Course Coordinator


Dr. Prasenjit Ghosh
coordinator of
IQAC


Dr. S. K. Misra
Principal
Mugberia Gangadhar Mahavidyalaya

Department of



Certificate Course on
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2nd Dec. 2022 to 17th Janu. 2023

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Participation Certificate

This is to certify that Mr./Mrs. Sayan Das, a student of Department of MUGBERIA GANGADHAR MAHAVIDYALAYA has successfully participated & completed the thirty hours Certificate course on “Chemical Lab Technician” and obtained grade ‘A’.

Note : The grade should be as follows ; A+ : 80 percent and above A : 65 percent to less than on equal to 79
 | B : 50 percent to less than or equal to 64 | C : 35 percent to less than or equal to 49 | F : 34 percent and below.

Date : 27 th January 2023
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 Associate Prof. & HOD, Chemistry
 Course Coordinator

Dr. Prasenjit Ghosh
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Certificate Course on
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Bhupatinagar :: Purba Medinipur :: West Bengal :: 721425

Participation Certificate

This is to certify that Mr./Mrs. Sourav Panda, a student of Department of MUGBERIA GANGADHAR MAHAVIDYALAYA has successfully participated & completed the thirty hours Certificate course on “Chemical Lab Technician” and obtained grade ‘A’.

Note : The grade should be as follows ; A+ : 80 percent and above A : 65 percent to less than on equal to 79
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
Bhupatinagar :: Purba Medinipur :: West Bengal :: 721425

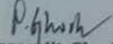
Participation Certificate

This is to certify that Mr./Mrs. Banashri Manna, a student of Department of **MUGBERIA GANGADHAR MAHAVIDYALAYA** has successfully participated & completed the thirty hours Certificate course on "Chemical Lab Technician" and obtained grade 'A'.

Note : The grade should be as follows ; A+ : 80 percent and above A : 65 percent to less than or equal to 79
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Date : 27th January 2023
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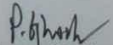
Participation Certificate

This is to certify that Mr./Mrs. Moumita Maikap, a student of Department of **MUGBERIA GANGADHAR MAHAVIDYALAYA** has successfully participated & completed the thirty hours Certificate course on "Chemical Lab Technician" and obtained grade 'A'.

Note : The grade should be as follows ; A+ : 80 percent and above A : 65 percent to less than or equal to 79
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Date : 27th January 2023
Place : Mugberia Gangadhar Mahavidyalaya


Dr. Bidhan Chandra Samanta
Associate Prof. & HOD, Chemistry
Course Coordinator


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
Participation Certificate

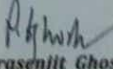
This is to certify that Mr./Mrs. Mita Panda, a student of Department of **MUGBERIA GANGADHAR MAHAVIDYALAYA** has successfully participated & completed the thirty hours Certificate course on “Chemical Lab Technician” and obtained grade ‘A’.

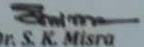
Note : The grade should be as follows ; A+ : 80 percent and above A : 65 percent to less than or equal to 79
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Date : 27th January, 2023

Place : Mugberia Gangadhar Mahavidyalaya


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Participation Certificate

This is to certify that Mr./Mrs. Sagarika Matia, a student of Department of **MUGBERIA GANGADHAR MAHAVIDYALAYA** has successfully participated & completed the thirty hours Certificate course on “Chemical Lab Technician” and obtained grade ‘A’.

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Date : 27 th January 2023
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Course Coordinator

Dr. Prasehjit Ghosh
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Participation Certificate

This is to certify that Mr./Mrs. Rima Giri, a student of Department of **MUGBERIA GANGADHAR MAHAVIDYALAYA** has successfully participated & completed the thirty hours Certificate course on “Chemical Lab Technician” and obtained grade ‘A’.

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Date : 27 th January 2023
Place : Mugberia Gangadhar Mahavidyalaya

Dr. Bidhan Chandra Samanta
Associate Prof. & HOD, Chemistry
Course Coordinator

Dr. Prasenjit Ghosh
coordinator of
IQAC

Dr. S. K. Misra
Principal
Mugberia Gangadhar Mahavidyalaya





27.1.23
Signature of HOD
Dept. of Chemistry

27-01-2023
Signature of Principal
Mugberia Gangadhar Mahavidyalaya
Principal
Mugberia Gangadhar Mahavidyalaya



Department of Chemistry

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