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## **MUGBERIA GANGADHAR MAHAVIDYALAYA**

P.O.-BHUPATINAGAR, Dist.-PURBA MEDINIPUR, PIN.-721423, 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.mugberiagangadharmahavidyalaya.ac.in

## **Report of**

**Certificate Course on** 

Scientific Documentation using Use of Origin and

Chem Draw Software in Chemistry

Course Period: 19<sup>th</sup> September 2022 – 26<sup>th</sup>

September 2022 (30 hrs)

Organized By Department of Chemistry (UG) MugberiaGangadharMahavidyalaya Hupatinagar, Purba Medinipur-721425 Accredited by NAAC with grade B+ Affiliated to

Vidyasagar University

BERIA 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.mugberiagangadharmahavidyalaya.ac.in

#### Department of Chemistry

Notice

This is to hereby notify all the students that the dept. of Chemistry, Mugberia Gangadhar Mahavidyalaya is going to organize a certificate course on *Use of Origin and Chem Draw Software in Chemistry*" from 19<sup>th</sup> September 2022 (26<sup>th</sup> September 2022 (30 hrs) in our department through off line 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 department this course.

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

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Dated: 20.08.2022



Departmental Reports @Chemistry:2022-23



MUGBERIA GANGADHAR MAHAVIDYALAYA

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A short meeting was arranged at 3 pm on 15.08.22 regarding the implementation of certificate course on "*Use of Origin and Chem Draw Software in Chemistry*" 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.

MinutesoftheDepartmentalmeetingheldon15.08.2022

#### Memberspresent:

- 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

#### 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.
- (3) The course period will be scheduled from 19<sup>th</sup> September 2022 26<sup>th</sup> September 2022. It is decided that the course will be delivered by lecture, interaction and doubt clearance along 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.

#### ChemDraw Ultra 8.0 software

#### About theCourse

ChemDraw is a **drawing program** that allows users to sketch skeletal structures of chemical compounds, which can then be moved into other programs, like MS Word, PowerPoint, and Adobe Illustrator.

#### CourseLearningOutcome

- After successful completion of this course candidate will be able to use ChemDrawfor generation and processing of simple and complex chemical structures.
- Candidate will be able to study three dimensional properties of molecules which are highly useful in prediction of their chemical/ physical properties and can be applied in advanced research work.

#### **Syllabus**

#### ChemDraw Ultra 8.0 software

- 1. Introduction
- 2. Download and installation process
- 3. Drawing various chemical structures (acyclic, cyclic, polycyclic, heterocyclic)
- 4. Nomenclature generation, conversion of name into molecular structure,
- 5. Calculation of physical properties such as density, molecular weight, molecular formula,
- refractive index from structural formula.
- 6. <sup>1</sup>H, <sup>13</sup>C NMR prediction from molecular structure,
- 7. Drawing structure of bigger molecules such as proteins, carbohydrates, and RNA/DNA, bio arts,
- 8. Use of templates,

Pepartinet

9. Comparison of various Chem Draw software.

#### **Basic Training on Origin 8.5 software**

#### **Course Description**

This one day course introduces you to key features of Origin related to importing data, performing basic data processing and analysis, and creating and publishing graphs. This course will benefit those who are just beginning to use Origin.

#### **Requirements**

This course does not require previous experience with Origin. A clear understanding of your day-to-day needs of using Origin is desirable, so that the instructor can tailor the course to best meet your needs.

#### **Course Outline/Syllabus**

- The Origin Workspace. •
- Multi-sheet Workbooks •
- Managing Data and Metadata.
- Importing Data from different sources.
- Working with Excel and Origin.
- Basic Data Manipulation. •
- Creating and Customizing Graphs. •
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#### Listofregistered Students

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SL NO	NAME	CLASS(SEM)	SUBJECT
1	Siddhartha Majhi	V	CHEMISTRY
2	Snehasish Sahoo	V	CHEMISTRY
3	Tanmoy Jana	V	CHEMISTRY
4	Suvajit Maity	V	CHEMISTRY
5	Pratin Pal	III	CHEMISTRY
6	Subhadip Mali Das	III	CHEMISTRY
7	Soumyakanmti Bera	III	CHEMISTRY
8	Sourav Pal	III	CHEMISTRY
9	Soumili Ghorai	Ι	CHEMISTRY
10	Priyanka Barik	I	CHEMISTRY
11	Mampi Adak	I	CHEMISTRY
12	Sonali Jana	Ι	CHEMISTRY
13	Suparna Makur	Ι	CHEMISTRY
14	Sangita Khatua	Ι	CHEMISTRY
15	Srabani Parya	L L	CHEMISTRY
16	Mallika Iasmin	1	CHEMISTRY
17	Poulami Giri	I	CHEMISTRY
18	Bebi Das	Ι	CHEMISTRY
19	Somtirtha Nanda	III	CHEMISTRY
20	Subhadip Bhoj	V	CHEMISTRY
21	Sayan Mondal	V	CHEMISTRY
22	Pravat Patra	III	CHEMISTRY
23	Suvan Bera	Ι	CHEMISTRY
24	Saikat Pradhan	Ι	CHEMISTRY
25	Amit Kumar Bera	Ι	CHEMISTRY
26	Abhik Giri	Ι	CHEMISTRY
27	Surjya Sekhar Panda	Ι	CHEMISTRY
28	Sagar Das	Ι	CHEMISTRY
29	Rajkumar Kamila	Ι	CHEMISTRY
30	Shirsendu Jana	Ι	CHEMISTRY
31	Santu Patra	Ι	CHEMISTRY
32	Suman Maity	Ι	CHEMISTRY
33	Subhendu Bhunia	Ι	CHEMISTRY
34	Ayan Samanta	Ι	CHEMISTRY
35	Kousik Maity	Ι	CHEMISTRY
36	Prity Maity	III	CHEMISTRY
37	Ankita Maity	III	CHEMISTRY

38	Swagata Samanta	III	CHEMISTRY
39	Dipanita Guria	III	CHEMISTRY
40	Payel Sen Das	III	CHEMISTRY
41	Swapna Pal	Ι	CHEMISTRY
42	Sreyasri Jana	Ι	CHEMISTRY
43	Rama Pattanayak	Ι	CHEMISTRY
44	Anasuya Das	Ι	CHEMISTRY
45	Pampi Pal	Ι	CHEMISTRY
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## Some Glimpses of the CertificateCourse Scientific Documentation using Use of Origin and Chem Draw Software in Chemistry



DepartmentalReports @Chemistry:2022-23

#### **Certificate Course for**

### Scientific Documentation using Use of Origin and Chem Draw Software in

### Chemistry

#### **Student Class Attendance List**

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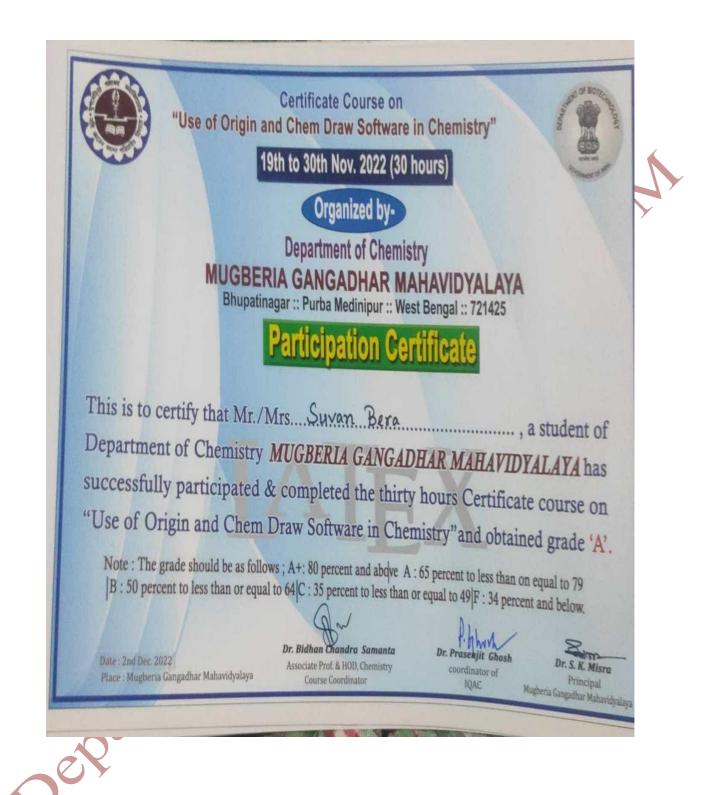
Mugberia Gangadhar Mahavidyalaya Taking certificate on completing Scientific Documentation using Use Of Origin and Chem

SL NO	NAME	Chemistry Hons.) CLASS(SEM)	SUBJECT
1	Siddhartha Majhi	V	CHEMISTRY
2	Snehasish Sahoo	V	CHEMISTRY
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Draw Software in Chemistry B.Sc. (Chemistry Hons.)

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Certificate Course on "Use of Origin and Chem Draw Software in Chemistry"

19th to 30th Nov. 2022 (30 hours)

## Organized by-

Department of Chemistry MUGBERIA GANGADHAR MAHAVIDYALAYA Bhupatinagar :: Purba Medinipur :: West Bengal :: 721425

**Participation Certificate** 

This is to certify that Mr./Mrs. Saikat Predham., a student of Department of Chemistry MUGBERIA GANGADHAR MAHAVIDYALAYA has successfully participated & completed the thirty hours Certificate course on "Use of Origin and Chem Draw Software in Chemistry" 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 : 2nd Dec. 2022 Piace : Mugberia Gangadhar Mahavidyalaya Dr. Bidhan Chandra Samanta Associate Prof. & HOD, Chemistry Course Coordinator Dr. Prasenjit Ghosh coordinator of IQAC Mu

Dr. S. K. Misra Principal Mugberia Gangadhar Mahavidyalayi

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**Certificate Course on** "Use of Origin and Chem Draw Software in Chemistry" 19th to 30th Nov. 2022 (30 hours) Organized by-Department of Chemistry **MUGBERIA GANGADHAR MAHAVIDYALAYA** Bhupatinagar :: Purba Medinipur :: West Bengal :: 721425 **Participation Certificate** This is to certify that Mr./Mrs. Abhik Giri , a student of Department of Chemistry MUGBERIA GANGADHAR MAHAVIDYALAYA has successfully participated & completed the thirty hours Certificate course on "Use of Origin and Chem Draw Software in Chemistry" 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. Dr. Bidhan Chandra Samanta Dr. Prasebjit Ghosh Dr. S. K. Misra Date : 2nd Dec. 2022 Associate Prof. & HOD, Chemistry coordinator of Place : Mugberia Gangadhar Mahavidyalaya Principal **Course** Coordinator **IOAC** Mugberia Gangadhar Mahavidyalaya 07



Certificate Course on "Use of Origin and Chem Draw Software in Chemistry"

19th to 30th Nov. 2022 (30 hours)

Organized by-

Department of Chemistry MUGBERIA GANGADHAR MAHAVIDYALAYA Bhupatinagar :: Purba Medinipur :: West Bengal :: 721425

## **Participation Certificate**

This is to certify that Mr./Mrs...Surjya. Sekhar...Panda......, a student of Department of Chemistry MUGBERIA GANGADHAR MAHAVIDYALAYA has successfully participated & completed the thirty hours Certificate course on "Use of Origin and Chem Draw Software in Chemistry" and obtained grade 'A'.

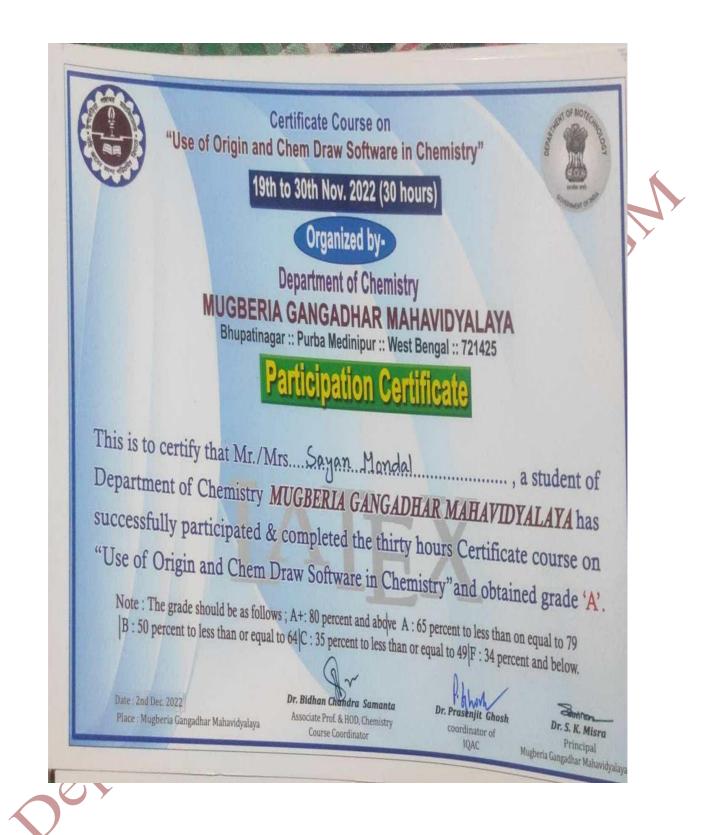
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Date : 2nd Dec. 2022 Place : Mugberia Gangadhar Mahavidyalaya

Per

Dr. Bidhan Chandra Samanta Associate Prof. & HOD, Chemistry Course Coordinator Dr. Prasenjit Ghosh coordinator of IOAC

Dr. S. K. Misra Principal Mugheria Gangadhar Mahavidyalaya

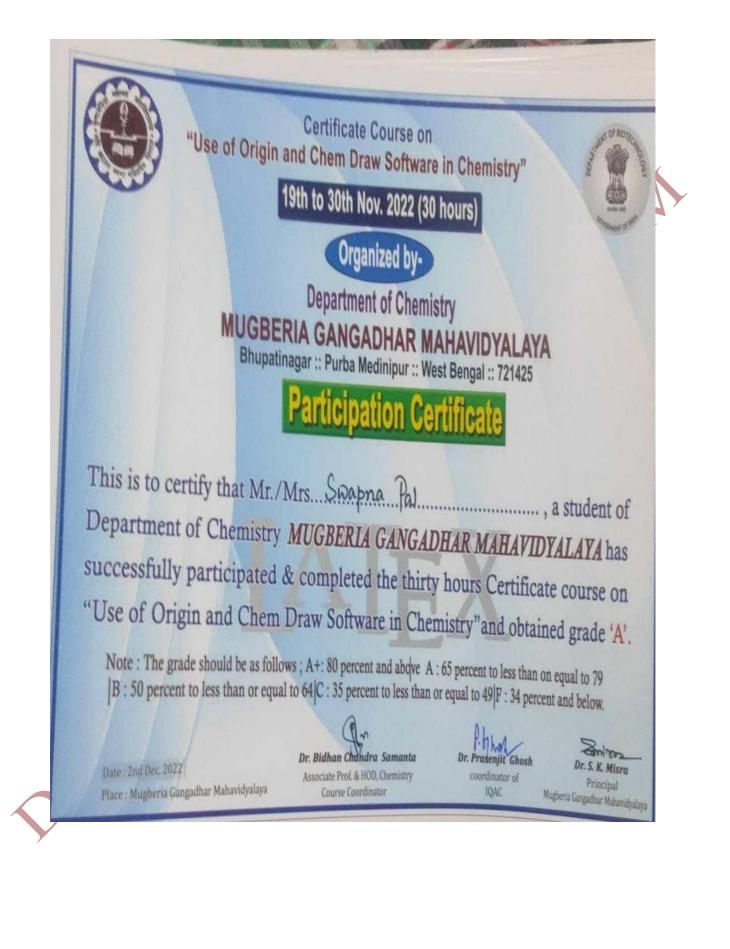




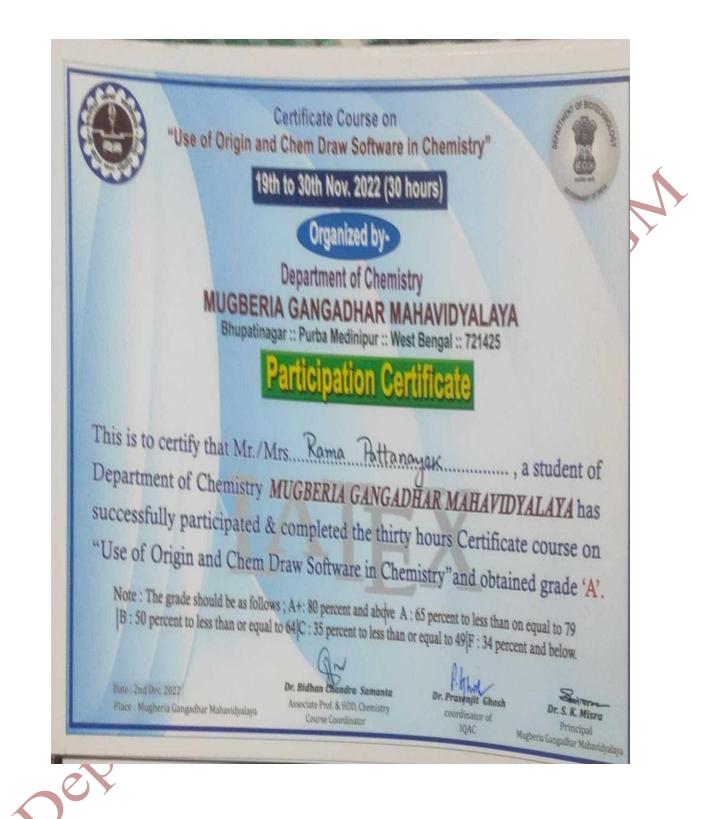


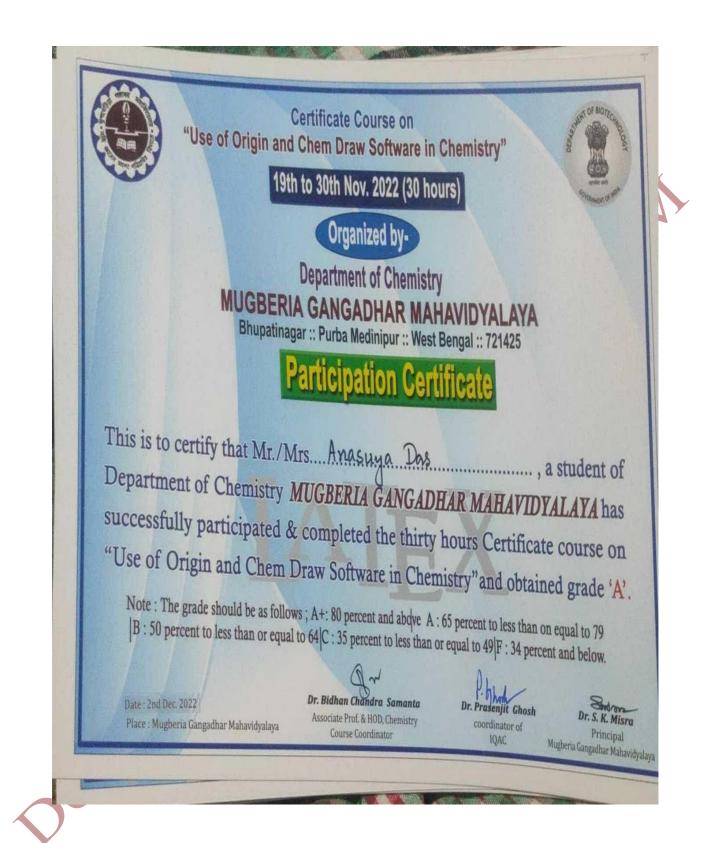






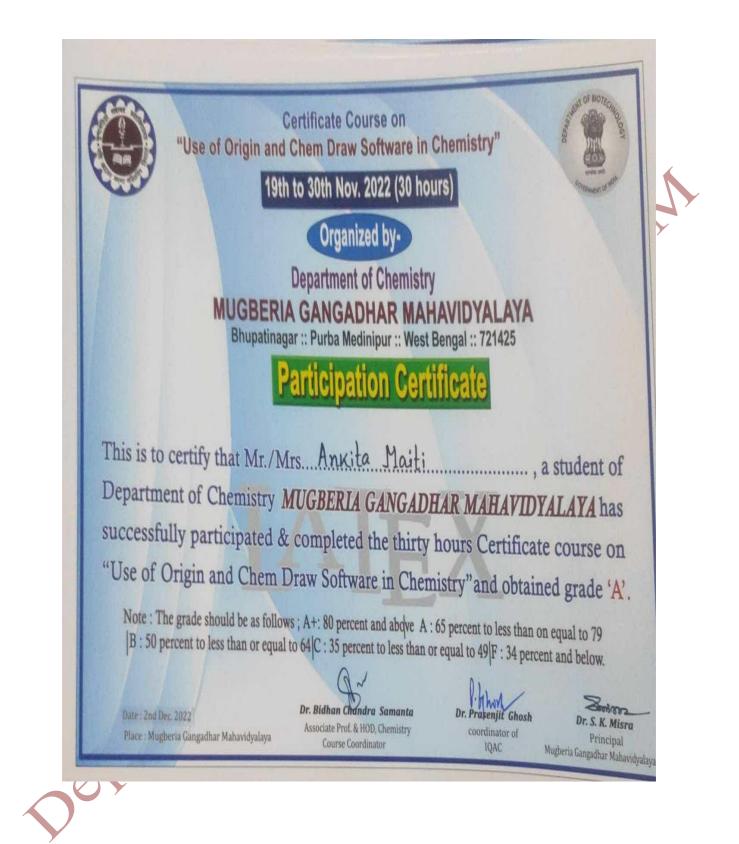


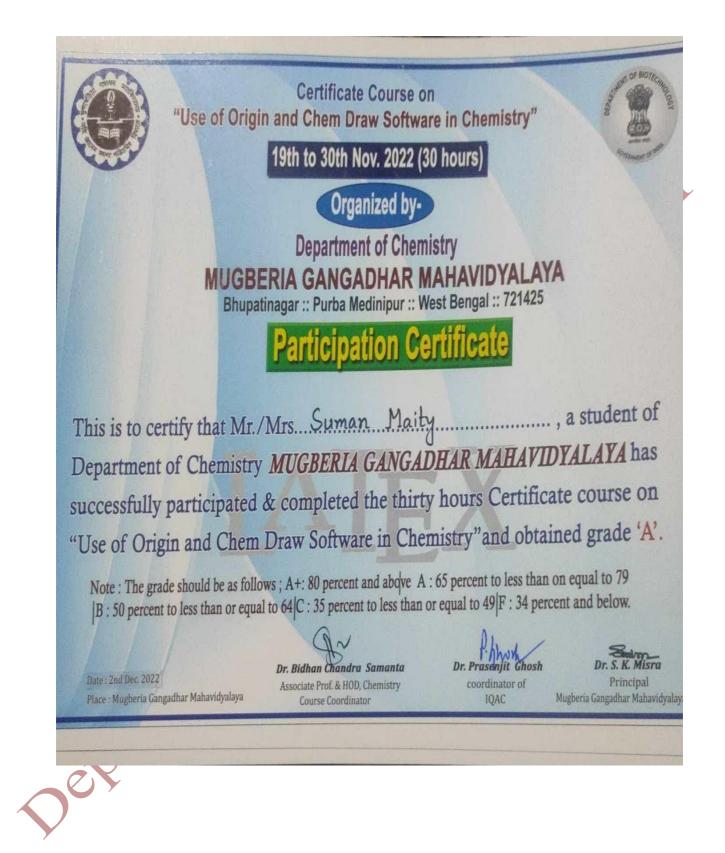


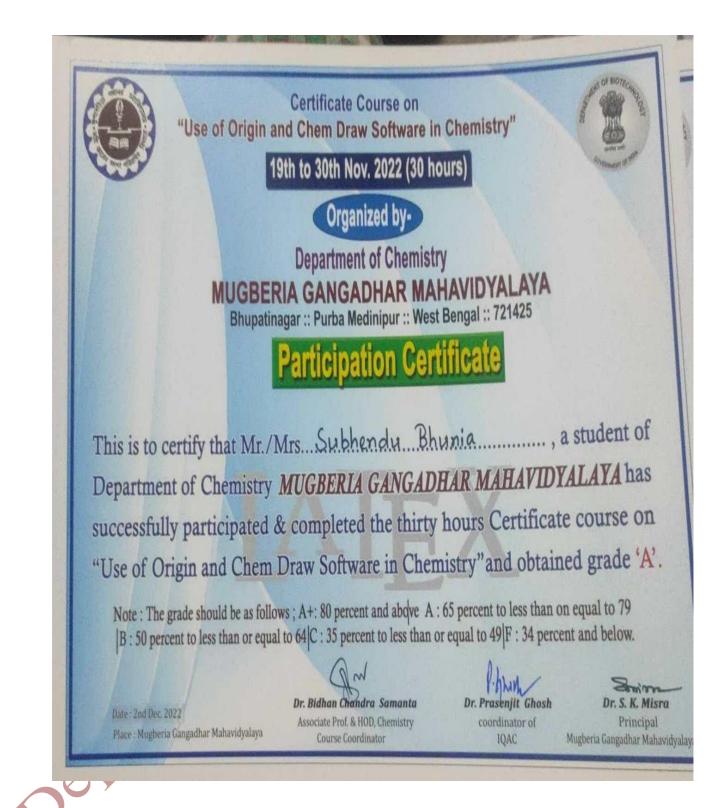










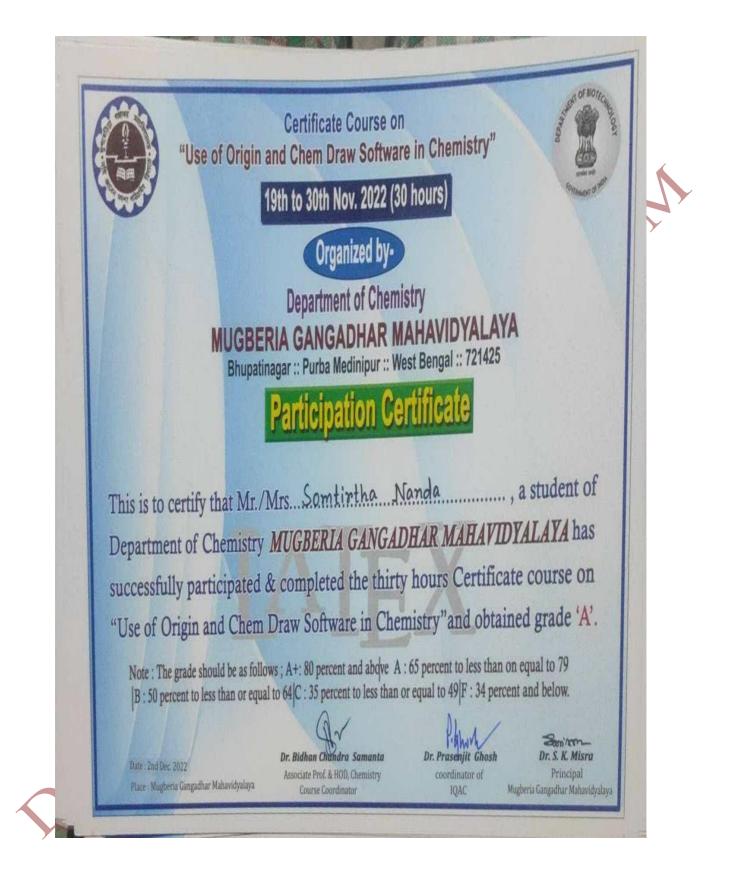




**Certificate Course on** "Use of Origin and Chem Draw Software in Chemistry" 19th to 30th Nov. 2022 (30 hours) Organized by-**Department of Chemistry** MUGBERIA GANGADHAR MAHAVIDYALAYA Bhupatinagar :: Purba Medinipur :: West Bengal :: 721425 **Participation Certificate** ....., a student of This is to certify that Mr./Mrs. Koushik. Maily. Department of Chemistry MUGBERIA GANGADHAR MAHAVIDYALAYA has successfully participated & completed the thirty hours Certificate course on "Use of Origin and Chem Draw Software in Chemistry" 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. Smin Dr. Prasenjit Ghosh Dr. S. K. Misra Dr. Bidhan Chandra Samanta Principal Date: 2nd Dec. 2022 coordinator of Associate Prof. & HOD, Chemistry Mugberia Gangadhar Mahavidyalaya Place : Mugberia Gangadhar Mahavidyalaya IQAC **Course** Coordinator

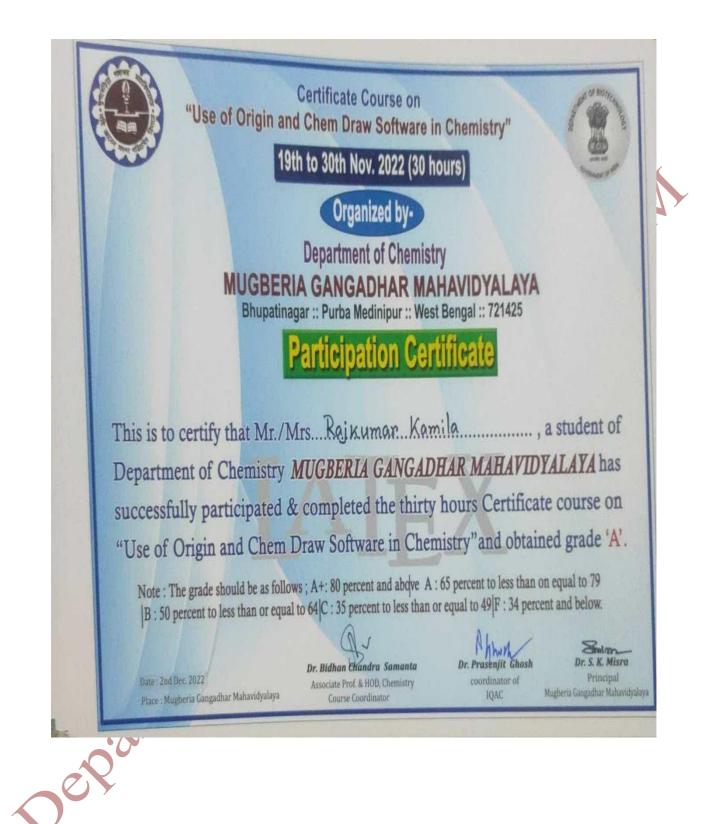
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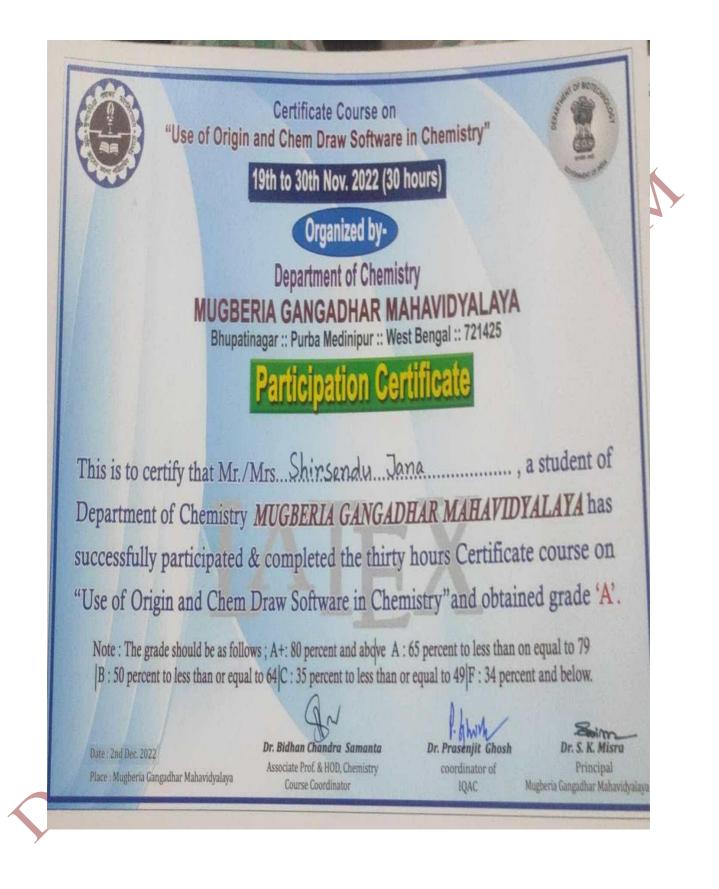








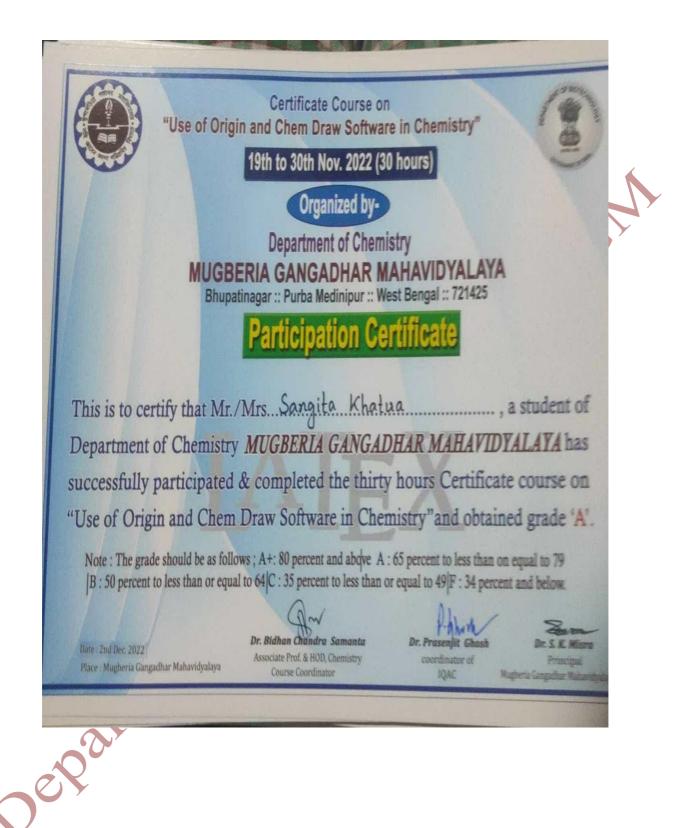








**Certificate Course on** "Use of Origin and Chem Draw Software in Chemistry" 19th to 30th Nov. 2022 (30 hours) Organized by-**Department of Chemistry** MUGBERIA GANGADHAR MAHAVIDYALAYA Bhupatinagar :: Purba Medinipur :: West Bengal :: 721425 Participation Certificate This is to certify that Mr./Mrs. Suparna Makur, a student of Department of Chemistry MUGBERIA GANGADHAR MAHAVIDYALAYA has successfully participated & completed the thirty hours Certificate course on "Use of Origin and Chem Draw Software in Chemistry" 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. Dr. Prasenjit Ghosh Dr. S. K. Misra Dr. Bidhan Chandra Samanta Date: 2nd Dec. 2022 Associate Prof. & HOD, Chemistry coordinator of Principal Place : Mugberia Gangadhar Mahavidyalaya Mugberia Gangadhar Mahavidyalaya **Course Coordinator** IQAC e



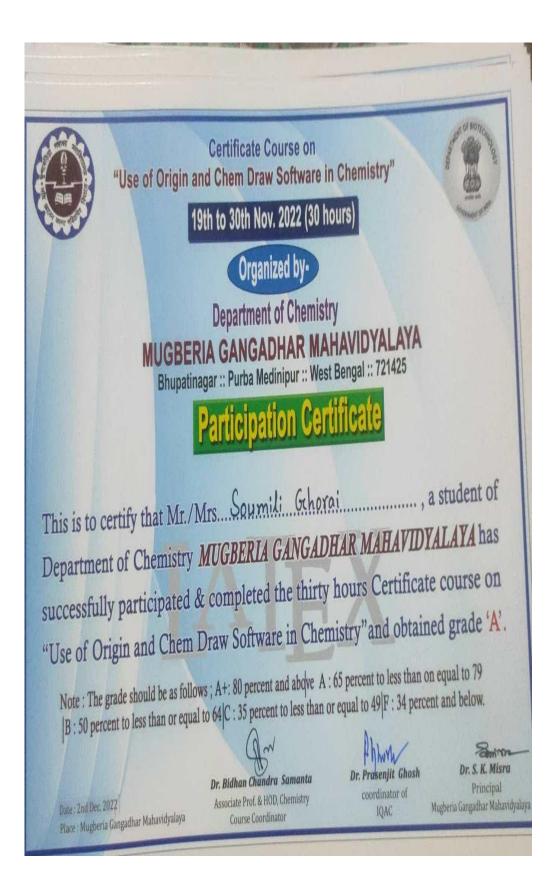




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Date : 2nd Dec. 2022 Place : Mugberia Gangadhar Mahavidyalaya	Dr. Bidhan Chandra Samanta Associate Prof. & HOD, Chemistry Course Coordinator	coordinator of	Principa Mugberia Gangadhar Mal
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Certificate Course on "Use of Origin and Chem Draw Software in Chemistry" 19th to 30th Nov. 2022 (30 hours) Organized by-Department of Chemistry MUGBERIA GANGADHAR MAHAVIDYALAYA Bhupatinagar :: Purba Medinipur :: West Bengal :: 721425 **Participation Certificate** This is to certify that Mr./Mrs. Suvajit Maity , a student of Department of Chemistry MUGBERIA GANGADHAR MAHAVIDYALAYA has successfully participated & completed the thirty hours Certificate course on "Use of Origin and Chem Draw Software in Chemistry" 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. anim Dr. S. K. Misra Dr. Prasenjit Ghosh Dr. Bidhan Ghandra Samanta Principal coordinator of Date : 2nd Dec. 2022 Associate Prof. & HOD, Chemistry Mugberia Gangadhar Mahavidyalaya IQAC Place : Mugberia Gangadhar Mahavidyalaya **Course** Coordinator



Certificate Course on "Use of Origin and Chem Draw Software in Chemistry" 19th to 30th Nov. 2022 (30 hours)
Organized by Department of Chemistry MUGBERIA GANGADHAR MAHAVIDYALAYA Bhupatinagar :: Purba Medinipur :: West Bengal :: 721425
Participation Certificate This is to certify that Mr./Mrs. Subhadip. Mali. Das., a student of
Department of Chemistry MUGBERIA GANGADHAR MAHAVIDYALAYA has successfully participated & completed the thirty hours Certificate course on "Use of Origin and Chem Draw Software in Chemistry" and obtained grade 'A'.
Note : The grade should be as follows ; A+: 80 percent and abdve 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. Dr. Bidhan Chendra Samanta Bue: 2nd Dec 2027 Place: Mugberia Gangathar Mahavidyalaya Place: Mugberia Gangathar Mahavidyalaya

DepartmentalReports @Chemistry:2022-23

Signature of HOD Dept. of Chemistry



Signature of Principal Mugberia Gangadhar Mahavidyalaya *Principal* Mugberia Gangadhar Mahavidyalaya