



Project Report of Department of Chemistry









Details of the Course:

Chemistry (Honours) (6th Semester) Course No.: Chemistry-DSE-603 Dissertation (Project Work)

Full Marks-100 [Dissertation (80) Internal Assessment (20)]

(Credit-6)

Objective of the Course: To develop the written and verbal communication. To present information in a clear an effective manner, to write report in a scientific style and to solve scientific problems.

Expected Learner Outcome: Students will gain an understanding of: ---

i. Communication effectively, verbally and written for the purpose of conveying chemical information to both professional scientist and to the public.

ii. Availability of instrument for conducting specific, scientific research

In this paper students have to carry out project work (Laboratory experiments or Comprehensive Review work on a specified topic) either at their respective colleges or any other R&D laboratory and UGC recognized University under guidance of a faculty member. The student may start their project work during the semester break between fifth and sixth semester. The area of work is to be decided by the advisor. On completion of the project work students have to submit the work in the form of a dissertation followed by oral presentation in the presence of faculty member and an external expert.

[Mark Distribution for evaluation of the Project Work]

A. Laboratory Experiment

- 1. Literature Review (5 Marks)
- 2. Objectives (5 Marks)
- 3. Experimental work (25 Marks)
- 4. Results & Discussions (25 Marks)
- 5. Presentation and Viva (20 Marks)



- 6. IA (20 Marks)
- B. Comprehensive Review
- 1. Objective (5 Marks)
- 2. Review (35 Marks)
- 3. References (10 Marks)
- 4. Future prospects (10 Marks)
- 5. Presentation and Viva (20 Marks)
- 6. IA (20 Marks)

Students are encouraged to carry out laboratory experiment individually (However in case of infrastructural issues a maximum of 4 students can perform experiments together). Comprehensive review must be carried out individually. Students are encouraged to submit Antiplagiarism certificate for the report/review.

Sr. No.	Program name	Program Code	Name of the Course that include experiential learning through project work/field work/internship	Course code	Year of offering	Name of the student studied course on experiential learning through project work/field work/internship
	B.Sc 6th Sem	CHMM- 608	B.Sc. 6th Sem Project Work	MM 608	2023	Ashif Hussain
1	Chemistry Major					
	B.Sc 6th	CHMM-	B.Sc. 6th Sem	MM	2023	
2	Sem	608	Project Work	608		
	Chemistry Major					Ashish Gogoi
	B.Sc 6th	CHMM-	B.Sc. 6th Sem	MM	2023	
3	Sem	608	Project Work	608		
5	Chemistry					Bikramaditya
	Major	<u> </u>				Phukon
	B.Sc 6th	CHMM-	B.Sc. 6th Sem	MM	2023	
4	Sem	608	Project Work	608		
-	Chemistry					Biswajeet
	Major					Changmai

Name of the student completed project during the session (2022-2023):





5	B.Sc 6th Sem Chemistry	CHMM- 608	B.Sc. 6th Sem Project Work	MM 608	2023	
	Major					Dipjyoti Das
	B.Sc 6th	CHMM-	B.Sc. 6th Sem	MM	2023	
6	Sem	608	Project Work	608		
Ũ	Chemistry					Kalpa Jyoti
	Major				2022	Handique
	B.Sc 6th	CHMM-	B.Sc. 6th Sem	MM	2023	
7	Sem	608	Project Work	608		
	Chemistry					Vhimmoni Mohon
	Niajor R So 6th	СПММ	P.S. 6th Som	MM	2023	KIIIruinoini Monan
	Sem	608	D.Sc. our Sem Project Work	608	2023	
8	Chemistry	008	TOJECT WOIK	008		
	Major					Monui Gogoi
	B.Sc 6th	CHMM-	B.Sc. 6th Sem	MM	2023	
0	Sem	608	Project Work	608		
9	Chemistry		5			
	Major					Mrinal Phukon
	B.Sc 6th	CHMM-	B.Sc. 6th Sem	MM	2023	
10	Sem	608	Project Work	608		
10	Chemistry					
	Major					Pritom Phukon
	B.Sc 6th	CHMM-	B.Sc. 6th Sem	MM	2023	
11	Sem	608	Project Work	608		
	Chemistry					
	Major D.S.a. 6th	CIDAN	D.C.a. (th Cam		2022	Roktim Raj Gogoi
	B.Sc oth	CHMM-	B.Sc. oth Sem		2023	
12	Chamistry	008	Project work	008		
	Major					Sourov Gogoi
	B Sc 6th	CHMM-	B Sc. 6th Sem	MM	2023	Source Clogor
	Sem	608	Project Work	608	2023	
13	Chemistry					
	Major					Sushil Boruah
	B.Sc 6th	CHMM-	B.Sc. 6th Sem	MM	2023	
14	Sem	608	Project Work	608		
14	Chemistry					
	Major					Abhishruti Gogoi
	B.Sc 6th	CHMM-	B.Sc. 6th Sem	MM	2023	
15	Sem	608	Project Work	608		
10	Chemistry					
	Major	oun a r				Ankita Chetia
16	B.Sc 6th	CHMM-	B.Sc. 6th Sem	MM	2023	
10	Sem	008	Project work	800		Kalyani Boruah





	Chemistry Major					
	B.Sc 6th	CHMM-	B.Sc. 6th Sem	MM	2023	
17	Sem	608	Project Work	608		
17	Chemistry					
	Major					Priyanka Talukdar
	B.Sc 6th	CHMM-	B.Sc. 6th Sem	MM	2023	
19	Sem	608	Project Work	608		
10	Chemistry					Protyasha
	Major					Borkotoky
	B.Sc 6th	CHMM-	B.Sc. 6th Sem	MM	2023	
10	Sem	608	Project Work	608		
19	Chemistry					
	Major					Sandhanee Phukon
	B.Sc 6th	CHMM-	B.Sc. 6th Sem	MM	2023	
20	Sem	608	Project Work	608		
20	Chemistry					
	Major					Stuti Buragohain

Some Facilities in the Department:











Project details of the students are given below:

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	Green Synthesis of Silver nanoparticles using different teat extra characteristic
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	Gargaon Concert, Similar and University)
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	ESTD 1889
	Submitted By
	ASHIF HUSSAIN
	B.Sc 6 th Semester
	Roll No: 13220013
-	Registration No: S2006819
1	Paper Code: 608
100	Paper Code, 000
	Department or Chemistry
	Gargaon College
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GAR (Re-at SIMA)	BAON COLLEGE 2 Sorredited '5' Crade by NAC() LUGURI - 785686 Decertify that the project work emitted, "Green Symbosis of Silver nanoparticles using different leaf ind to study its colorimetric seming against different metal safe" submitted to the department of Gargace College is a record of project work carried out by Ashir Hussin, of Semester and Major in 5. The project meets all the requirements of B.Sc. project.
GAR (Re-a SIMA)	BAON COLLEGE 2 Sorredited 'B' Crade by NACO LUQURI - 785686 CERTIFICATE or certify that the project work entitled, "Green Synthesis of Silver nanoparticles using different leaf ind to study its colorimetric sensing against different metal saft" submitted to the department of . Gargane College is a record of project work carried out by Ashir Hussain, of Semester and Major in . The project meets all the requirements of B.S.c. project.
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GAR (Re-ar SIMA) This is to stracts in hemistry "hemistry	DAON COLLEGE 2 Spreadinged By Grade by NAGO; Spreadinged By Grade by NAGO; LUQURI - 785668 Description Description Description Spreadinged By Grade by NAGO; Description Construction Description Description Description
GAR (Re-ar SIMA)	BAON COLLEGE 2 Spreadinged 'B' Grade by NAACO Spreadinged 'B' Grade by NAACO LUGURI - 785588 Spreadinged 'B' Grade by NAACO Description Spreadinged 'B' Grade by NAACO Compared to the project work emitted, 'Green Synthesis of Silver namoparticles using different lear find to study its colorimetric meeting anians different meeting safety automatic to the department of Grade and College is a record of project work carried on by Ashir Hussain, c ^a Semester and Major is 'T he project meets all the requirements of B.S. project. Is to certify that the project has not been submitted for any purpose elsewhere. The project meets all the requirements of B.S. project. The project meets all the project has not been submitted for any purpose elsewhere.
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GAR (Read SIMA SIMA This is to stracts to stracts to themistry Turther, if Place: Date: 2	CADON COLLEGE 2 Construction Construction











WATER QUALITY ANALYSIS OF DIKHOW RIVER AT TWO SITES IN NAZIRA

A project report submitted to the Department of Chemistry Gargaon College, Simaluguri

Affiliated to Dibrugarh University

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Submitted by

Bishwajeet Changmai B. Sc 6th semester Roll No.: 13220023 Paper Code: DSE-603 Paper Title: Dissertation Chemistry Registration No.: S200683 Year: 2023 Department of Chemistry







een Synthesis of Silver nanoparticals using Mikania scandens (climbing hempweed) leafextracts and to study its change in colour and absorption using UV-Visible spectrophotometer at different pH and temperature"

A Project Report Submitted to the Department of Chemistry,

Gargaon College, Simaluguri (Affiliated to Dibrugarh University)



Submitted By

DIPJYOTI DAS

B. Sc. 6th Semester Roll No: 13220035

Registration No: S2006847

Paper Code: 608

Department of Chemistry Gargaon College 2023

GARGAON COLLEGE (Re-accredited 'B' Grade By NAAC) SIMALUGURI-785686 CERTIFICATE This is to certify that the project work entitled," Green Synthesis of silver nanop using leaf extract and to study the effect of pH and temperature on silv m ticle preparation" submitted to the department of chemistry, Gargaon College is a record of project work carried out By Dipjyoti Das, 6th Semester and Major in chemistry. The project meets all the requirement of B. Sc project. Further, it is also certified that the project has not been submitted for any purpose elsewhere. Place: Gargaon College Dr. Anna Gogoi Date: HOD, Department of Chemistry Gargaon college





PREPARATION OF ACRYLAMIDE, ACRYLIC ACID AND Na-AMPS CONTAINING HYDROGEL AND SWELLING STUDIES OF pH SENSITIVE HYDROGEL

A project report submitted to the Department of Chemistry, Gargaon College, Simaluguri (Affiliated to Dibrugarh University)

> Submitted by: Kalpa Jyoti Handique B.Sc. 6th semester Paper code: DSE-602 Department: Chemistry Roll. No: 13220048

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Green Synthesis of Copper nanoparticles using Pogostemon cablin(Patchouli) leaf extracts and to study its change in absorption at different concentration using UV-Visiblespectrophotometer then study some chemical conversion

A Project Report Submitted to the Department of Chemistry,

Gargaon College, Simaluguri (Affiliated to Dibrugarh University)



Submitted By

MONUJ GOGOI

B. Sc. 6th Semester Roll No: 13220061

Registration No.: S2006898

Paper Code: 608

Department of Chemistry Gargaon College, 2023



CERTIFICATE

This is to certify that the project work entitled, "Green Synthesis of Copper nanoparticles using Pogostemon cablin (Patchouli) leafextracts and to study its change in absorption at different concentration using UV-Visiblespectrophotometer then study some chemical conversion" submitted to the department of chemistry, Gargaon College, is a record of project work carried out by Monuj Gogoi, 6th Semester student and major in chemistry. The project meets all the requirement of B. Sc. project.

Further, it is also certified that the project has not been submitted for any purpose elsewhere.

Place: Gargaon College Date: 25/5/23

GARGAON COLLEGE

SIMALUGURI-785686

(Re-accredited 'B' Grade By NAAC)

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Alf2515/23 Dr. Anna Gogoi

HOD,Department of Chemistry Gargaon college

> Head of the Department Chemistry Department Gargaon College, Simalugur









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Computational study of Interaction of Memantine with 1QTI Protein A project report submitted to the Department of Chemistry Gargaon College, Simaluguri Affiliated to Dibrugarh University

> Submitted By:-Pritom Phukon BSc 6th Sem Roll No:13220078 Paper Code: DSE-603 Registration No. S2006933 of 2020 Year Department of Chemistry Gargaon College,2023.

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Project Report Submitted to the Department of Chemistry, Gargaon College, Simaluguri (Affiliated to Dibrugarh University)

ANALYSIS OF GLUCOSE AND SUCROSE CONTENTS IN SOFT DRINKS



Submitted by Reklin, Raj Gagei B.Sc 6th semiester

Roll No:13220086 Registration No: S2006947 Paper code: DSE-603 Department of Chemistry Gargaon College 2023



DEPARTMENT OF CHEMISTRY GARGAON COLLEGE Estd. 1969 P.O. Simaluguri, Dist. Sivasagar (Assam), Pin: 785686 Email: chemistry.gc21(@gmail.com

DECLARATION CERTIFICATE

I, hereby declared that the project report entitled "Analysis of Glucose and Sucrose Contents in Soft Drinks" submitted to the Department of Chemistry, Gargaon College, is a record of the original research work carried out by me under the guidance of Dr. Pakiza Begum. Any text, figures, results, or design that are not of my own devising are appropriately referenced in order to give credit to the original author(s). All sources of assistance have been duly acknowledged. I also declared that neither this work as a whole nor a part of it has been submitted to any other University or Institute for award of any degree

Place: Gargaon College Date:24/05/23

Roklim Raj Gogoi (Roktim Raj Gogoi)

Student, 6th sem Department of Chemistry Gargaon College





Preparation and Swelling Studies of Na-AMPS, Acrylamide and Acrylic Acid Containing Hydrogel

A project report submitted to the Department of Chemistry, Gargaon College, Simaluguri (Affiliated to Dibrugarh University)

> Submitted by: Sourov Gogoi B.Sc. 6th semester Paper code: DSE-602 Department: Chemistry Roll. No: 13220098



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Department of Chemistry Gargaon College, Simaluguri Sivasagar-785686, Asssam, India

Dr. Anna Gogoi Assistant Professor, Dept. of Chemistry (HOD) Date: 24/5/23 Ref. No: 24/5/23/3

CERTIFICATE

This is to certify that the dissertation report entitled, "Preparation and Swelling Studies of Na-AMPS, Acrylamide and Acrylic Acid Containing Hydrogel" submitted to the Department of Chemistry, Gargaon College is a record of project work carried out by Sourov Gogoi, 6th semester Chemistry honours student. The project meets all the requirements of B.Sc. project.

Further, it is also certified that the project has not been submitted for any purposes elsewhere.

Place: Gargaon College Date: 24/6/2023 (Dr. Anna Gogoi) HOD, Department of Chemistry, Gargaon College

Head of the Department Chemistry Department Gargaon College, Simaluguri







WATER QUALITY ASSESSMENT OF RIVER DIKHOW

A project report submitted to the Department of Chemistry, Gargaon College, Simaluguri (Affiliated to Dibrugarh University)

> Submitted by: Sushil Boruah B.Sc. 6th semester Paper code: DSE-602 Department: Chemistry Roll. No: 13220105 Reg No: S2006975



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Department of Chemistry Gargaon College, Simaluguri Sivasagar-785686, Asssam, India

Dr. Anna Gogoi Assistant Professor, Dept. of Chemistry (HOD)

Date: 25/05/23 Ref. No: 25 5 2013 20

CERTIFICATE

This is to certify that the dissertation report entitled, "Water quality assessment of river Dikhow" submitted to the Department of Chemistry, Gargaon College is a record of project work carried out by Sushil Boruah, 6th semester Chemistry honours student. The project meets all the requirements of B.Sc. project.

Further, it is also certified that the project has not been submitted for any purposes elsewhere

Place: Gargaon College Date: 25/5/23

(Dr. Anna Gogoi) Department of Garga HOD, Department of Chemistry, Gargaon College

Head of the Department Chemistry Department argaon College, Simalug





Computational study of interaction of Galantamine with 1QTI protein A project report submitted to the Department of Chemistry Gargaon College, Simaluguri Affiliated to Dibrugarh University



Submitted by: Abhishruti Gogoi B. Sc 6th semester Roll No: 13220113 Paper Code: DSE-602 Registration No: S2006797 of 2020 Year Department of Chemistry



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) 2 2 - 2 DEPARTMENT OF CHEMISTRY GARGAON COLLEGE Simaluguri- 785686, Sivasagar, Assam email: chemistry.gc21@gmail.com

Ref. no: 25/05/23/18

CERTIFICATE

This is to certify that the project report entitled "Computational study of Interaction of Galantamine with 1QTI protein" submitted to the Department of Chemistry, Gargaon College is a record of project work carried out by Abhishruti Gogoi. The project meets all the requirements of B.Sc. project.

Further, it is also certified that the project has not been submitted for any purposes elsewhere.

Place: Gargaon College Date: 2515123

(Dr. Anna Gogoi) HOD, Department of Chemistry, Gargaon College

Head of the Department Chemistry Department Gargaon College, Simalug



Computational study of interaction of Donepezil with 1QTI protein

A project report submitted to the Department of Chemistry Gargaon College, Simaluguri

Affiliated to Dibrugarh University



Submitted by

Ankita Chetia B. Sc 6th semester Roll No:13220116 Paper Code: DSE-6.1 Registration No:S2006807 of 2020 Year Department of Chemistry



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DEPARTMENT OF CHEMISTRY GARGAON COLLEGE Simaluguri- 785686, Sivasagar, Assam email: chemistry.gc21@gmail.com

Ref. no. : 25/05/22/16

CERTIFICATE

This is to certify that the dissertation report entitled, "Computational study of interaction of "Donepezil with IQTI protein" submitted to the Department of Chemistry, Gargaon College is a record of project work carried out by Ankita Chetia. The project meets all the requirements of B.Sc. project. Further, it is also certified that the project has not been submitted for any purposes elsewhere.

Place: Gargaon College Date: 25) 5 23

(Anna Gogoi) HOD, Department of Chemistry, Gargaon College







