

VALUE ADDED COURSE ON
GEOINFORMATICS

Report

Name of the course: Geoinformatics

Course Coordinator: Mr. Sarbeswar Haldar

Duration: 7th March, 2022 to 10th May, 2022 Monday to Friday 5 Pm To 6 Pm

Resource person:

1. Prof. Sarbeswar Haldar, Haldia Government College
2. Dr. Sk. Mithun, Haldia Government College
3. Mrs. Yogita Dutta, Haldia Government College
4. Mr. Pranay Santra, Haldia Government College

MODULE	CONTENT	HOURS
1	Introduction to Geoinformatics: Concept, Branches and Relevance of Geoinformatics.	2
2	Fundamental of Remote Sensing and GIS: Principles, Types, Process, Components, Advantages and Limitations of RS and GIS.	4
3	Sources of Remote Sensing Data: USGS Earth Explorer, NASA Earth Data, ESA's Sentinel data, GLOVIS, NASA Earth Observation (NEO), NOAA Class	4
4	Introduction to Open Source Software (Q-GIS): Basics of Q-GIS software, Download and Installation, introduced with the basic features of Q-GIS Desktop. Various field of application of Q-GIS software.	4
5	Hands on Training on Q-GIS: Practical classes on Georeferencing, Digitization, Preparation of Thematic Map, Overlay Analysis, Image Classification, Extraction of Land Surface Temperature.	10
6	Google Earth Engine: Introduction to Google Earth Engine, Techniques of preparing data from Google Earth Engine.	6

Objectives:

1. To clear the conceptual background of Geoinformatics.
2. Provide the idea of various applications of geoinformatics in research work.
3. Hands on training of Open source software (Q GIS)
4. Provide the information about various sources of free remote sensing data and their application.

No of participants: 17 students of P.G. 3rd semester

Course outcome: After completion of this course the participants will be able to apply the software based knowledge of geoinformatics in the diverse field of geographical research.

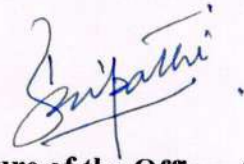


Signature of the Course Co-ordinator

Assistant Professor and Head

Department of Geography

Haldia Government College
Debhog, Purba Medinipur-721657



Signature of the Officer-in-Charge

Haldia Government College

Officer-in-charge
Haldia Government College
P.O. Debhog, Dist- Purba Medinipur

VALUE ADDED COURSE ON

GEOINFORMATICS

Organizer

Department of
Geography
Haldia Government College

Time Schedule: 7th March, 2022 to 10th May,
2022 (Monday to Friday, 5P.M. to 6P.M.)

**Course Duration: 30 hours (Including
theory and lab)**

Course Coordinator:

Mr. Sarbeswar Halder
Assistant Professor and Head
Department Of Geography

Last date of Enrolment: 3rd March, 2022

About the course:

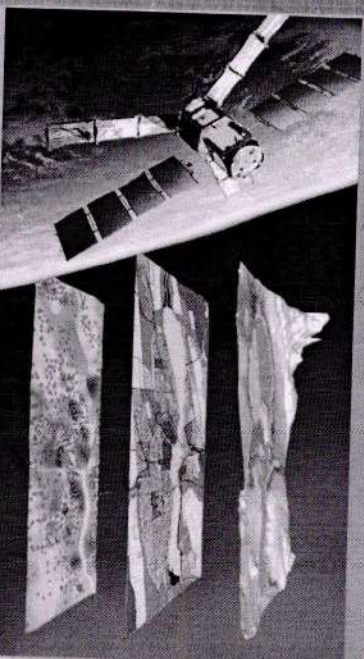
The Post Graduate department of Geography is going to organize this value added course considering the emerging worldwide application of geoinformatics in research. This course has been designed for the postgraduate students of geography as they can easily correlate this tool with Remote Sensing and GIS in their syllabus. Research application of geoinformatics in geographical research is essential for contributing a significant role in research work. After successfully completion of this course the participants will be able to apply this tool in their research work.

Objectives:

1. To clear the concept of Geoinformatics.
2. Provide the idea about various sources of geoinformatics in research.
3. Hands on training (GIS)
4. Provide the information about various sources of free remote sensing data and their application.

Certificate after completion of the course

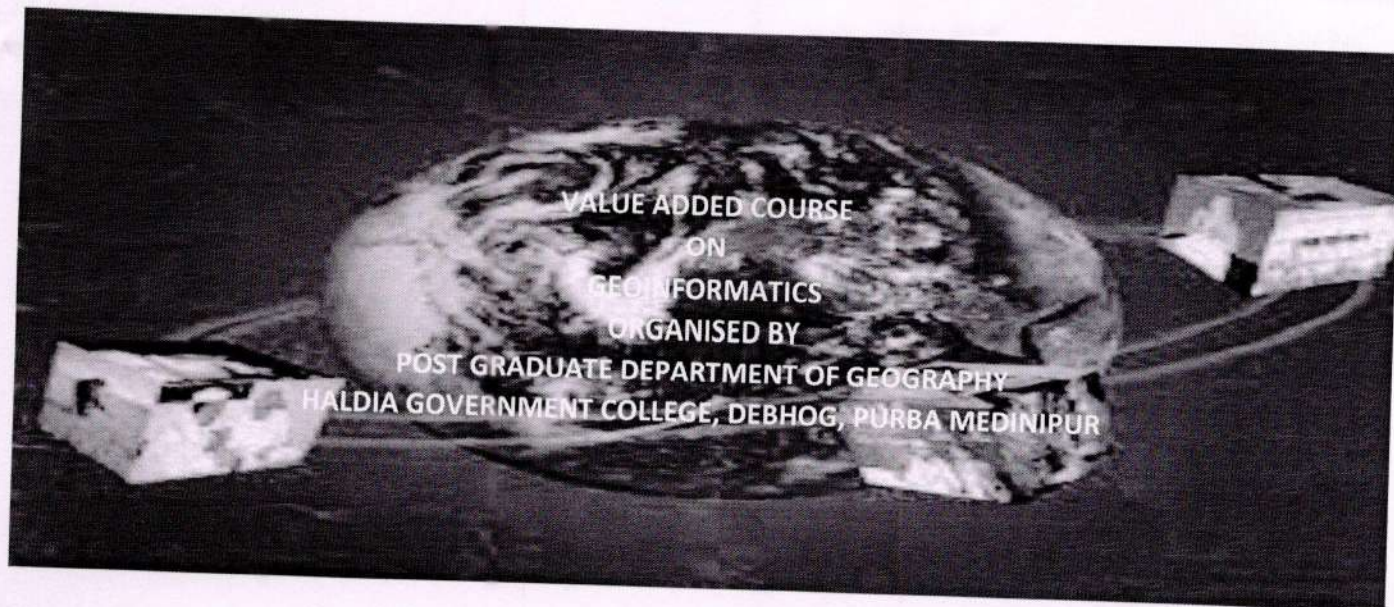
Registration Details: Registration is mandatory for all the participants. There is no registration fee for the course.



**Eligibility: Postgraduate Student of
Geography**

Resource Persons:

1. Dr. Mithun
Haldia Government College
2. Mr. Sarbeswar Halder
Haldia Government College
3. Miss. Yogita Dutta
Haldia Government College
4. Mr. Pragnay Sen
Haldia Government College



COURSE CONTENTS

Module-1

2Hrs

Introduction to Geoinformatics: Concept, Branches and Relevance of Geoinformatics.

Module-2

4Hrs

Fundamental of Remote Sensing and GIS: Principles, Types, Process, Components, Advantages and Limitations of RS and GIS.

Module-3

4Hrs

Sources of Remote Sensing Data: USGS Earth Explorer, NASA Earth Data, ESA's Sentinel data, GLOVIS, NASA Earth Observation (NEO), NOAA Class

Module-4

4Hrs

Introduction to Open Source Software (Q-GIS): Basics of Q-GIS software, Download and Installation, introduced with the basic features of Q-GIS Desktop. Various field of application of Q-GIS software.

Module-5

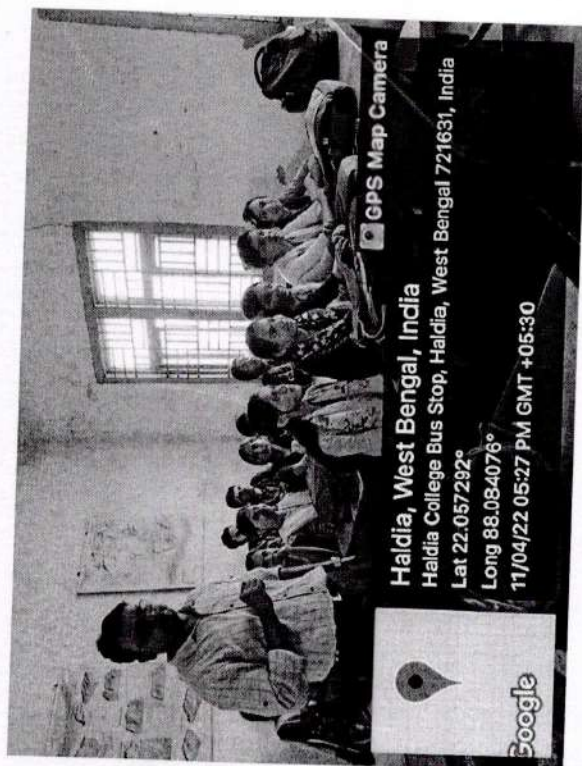
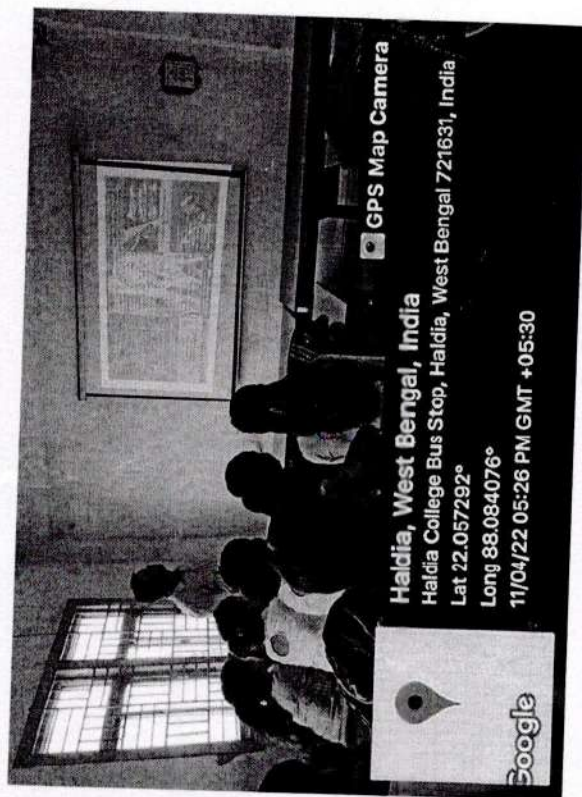
10Hrs

Hands on Training on Q-GIS: Practical classes on Georeferencing, Digitization, Preparation of Thematic Map, Overlay Analysis, Image Classification, Extraction of Land Surface Temperature.

Module-6

6Hrs

Google Earth Engine: Introduction to Google Earth Engine, Techniques of preparing data from Google Earth Engine.



Student Enrollment Form

Add-on/ Value Added Course

On

GEOINFORMATICS

Organized by:

Post Graduate Department of Geography

Haldia Government College

Academic Session: 2021-22

1. Name (Block Letters): SHUVANKAR GAYEN
2. College ID.: HGCPG/GEO/21/019
3. University Registration No. with year: 1160620 of 2018-2019
4. Department: Geography
5. Semester: 2nd semester
6. Address: vill - Katnadighi, P.O - Mustafapur, P.S - Patashpur, Dist - Purba Medinipur
Pin - 721443
7. Contact No. (Whatsapp No.): 6295898288
8. Email id: shuvankar90028@gmail.com

Shuvankar Gayen
Signature of the applicant

For Department Use Only

Approved / Not approved


Course Coordinator
Head
Department of Geography
Haldia Government College
Debhog, Purba Medinipur-721657

Add-on/ Value Added Course On

GEOINFORMATICS

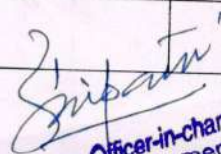
Organized by:

Department of Geography
Haldia Government College
Academic Session: 2021-22

List of Participants

Sl. No.	Name	College ID	Regn. No.	Signature
1.	Pratima Tudu	HGCPG/GEO/21/001	1390986	Pratima Tudu
2.	Archana Samanta	HGCPG/GEO/21/006	1160515	Archana Samanta
3.	Swannali Khanna	HGCPG/GEO/21/015	1261760 of (2018-2019)	Swannali Khanna
4.	Tanuka Maity	HGCPG/GEO/21/004	1570892 (2018-19)	Tanuka Maity
5.	Sneerja Rana	HGCPG/GEO/21/028	1570871 (2018-19)	Sneerja Rana
6.	Mamata Pramanik	HGCPG/GEO/21/025	1081704 (2018-2019)	Mamata Pramanik
7.	Shuvomkar Gayen	HGCPG/GEO/21/019	1160620 of 2018-2019	Shuvomkar Gayen
8.	Siuli Jana	HGCPG/GEO/21/020	1570860 of 2018-2019	Siuli Jana
9.	Maitrayee Maity	HGCPG/GEO/21/014	1261488 of 2018-19	Maitrayee Maity
10.	Shantashree Mondal	HGCPG/GEO/21/029	1291057 of 2018-19	Shantashree Mondal
11.	Somashree Mondal	HGCPG/GEO/21/030	1291075 of 2018-19	Somashree Mondal
12.	Barnali Jana	HGCPG/GEO/21/021	1420264 of 2018-19	Barnali Jana
13.	Alisha Khatun	HGCPG/GEO/21/022	1531013 of 2018-19	Alisha Khatun
14.	Anwesha Maity	HGCPG/GEO/21/017	1470318 of 2018-19	Anwesha Maity
15.	Silpa pal	HGCPG/GEO/21/003	1291072 of 2018-19	Silpa pal
16.	Subhashis Jana	HGCPG/GEO/21/012	1350893 2018-19	Subhashis Jana
17.	Surajit Barman	HGCPG/GEO/21/011	1611510 2018-2019	Surajit Barman


Head
 Department of Geography
 Haldia Government College
 Haldia Medinipur-721657


Officer-in-charge
 Haldia Government College
 P.O. Debnag, Dist- Purba Medinipur

VALUE ADDED COURSE ON
GEOINFORMATICS
(7th March, 2022 to 10th May, 2022)

20
20

Invigilator's signature

V.U. Registration no. with year: 1570860 of 2018-2019

Semester: PG (II) Department: Geography

Full marks: 20

Time: 30 mins.

Instruction:

- Each question contains 1 mark.
- All questions are mandatory.
- Put a tick mark (✓) for the correct option.

1. GIS tools allow the user to perform which of the following task?
☒ A. Create searches
B. Store data
C. Edit data
D. All the above
2. Which among the following is an example of source of energy in passive remote sensing system?
A. Lesser
☒ B. Sun rays
C. Synthetic Aperture Radar
D. All of these
3. Which of the following are the digital data creation methods used for GIS data creation?
☒ A. Digitization
B. Orthorectified Imagery
C. Demodulation
D. Both A and B
4. Which colour of EM spectrum is used for bathymetry studies?
A. Red
B. UV
C. Blue
☒ D. Green
5. Which colour radiation is useful for coastal morphology?
A. Red
☒ B. Blue
C. Green
D. All the above
6. RISAT stands for
A. Radio Satellite
11. Which of the following factors affects the spatial resolution of remote sensing imagery?
A. The wavelength of the radiation used
B. The type of sensor used
C. The altitude of the platform carrying the sensor
☒ D. All of the above
12. Which of the following remote sensing sensors is best suited for studying the Earth's atmosphere?
A. LiDAR
B. RADAR
☒ C. AVHRR
D. MODIS
13. Which of the following is an example of a GIS data format?
A. JPEG
B. PDF
☒ C. TIFF
D. PNG
14. Which of the following GIS functions is used to combine different data layers to create new information?
A. Analysis
B. Query
☒ C. Overlay
D. Editing
15. Which of the following remote sensing sensors is best suited for detecting vegetation health?
☒ A. RADAR
B. LiDAR
C. AVHRR

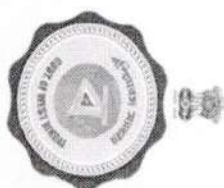
- B. Radio Navigation and Ranging Satellite
☒ C. Radar Imaging Satellite
 D. None
7. Which one of the following statement is incorrect regarding the electromagnetic radiation?
 A. The oscillation of charged particles sets up changing electric fields
 B. These are produced by the motion of electric charge
 C. The changing electric fields induce the changing magnetic fields in the surrounding medium
☒ D. None of these
8. The ratio of the total solar radiant energy returned by a planetary body to the total radiant energy incident on the body, the called:
 A. Reflectance
 B. Reflectance factor
☒ C. Albedo
 D. None of these
9. Which of the following statements is true about Remote Sensing?
☒ A. It is the process of acquiring information about the Earth's surface without physically being in contact with it.
 B. It is the process of collecting data by physically being in contact with the Earth's surface.
 C. It is the process of acquiring information about the Earth's surface by drilling holes in it.
 D. It is the process of acquiring information about the Earth's surface by conducting surveys.
10. Which of the following is an example of an active remote sensing technology?
☒ A. LiDAR
 B. AVHRR
 C. MODIS
 D. LANDSAT
- D. MODIS
16. Which of the following remote sensing platforms is best suited for monitoring ocean temperatures?
 A. Airborne
☒ B. Space borne
 C. Ground based
 D. All the above
17. Which of the following is an example of a vector data model in GIS?
 A. DEM
 B. SRTM
☒ C. Point, line and polygons
 D. Satellite image
18. Which of the following remote sensing techniques can be used to study the composition of rocks?
 A. LiDAR
 B. RADAR
 C. Thermal
☒ D. Hyperspectral
19. Which of the following remote sensing platforms is best suited for monitoring changes in urban areas over time?
☒ a. Airborne
 b. Space borne
 c. Ground based
 d. All the above
20. Which of the following remote sensing sensors is best suited for detecting oil spills on the ocean surface?
☒ A. RADAR
 B. LiDAR
 C. AVHRR
 D. MODIS

Add-on/ Value Added Course
on
GEOINFORMATICS
Organized by:
Department of Geography
Haldia Government College
Academic Session: 2021-22
Grade sheet

Sl. No.	Name	V.U. Registration. No.	Year	Grade
1	ANWESHA MAITI	1470318	2018-2019	A
2	ARCHANA SAMANTA	1160515	2018-2019	A
3	MAITRAYEE MAITY	1261488	2018-2019	A
4	SHANTASHREE MANDAL	1291057	2018-2019	A
5	SHUVANKAR GAYEN	1160620	2018-2019	A
6	SILPA PAL	1291072	2018-2019	A
7	SREEJA RANA	1570871	2018-2019	A
8	SUBHASHIS JANA	1350893	2018-2019	A
9	SWARNALI KHANRA	1261760	2018-2019	A
10	TANUKA MAITY	1570892	2018-2019	A
11	SUVAJIT BARMAN	1011510	2018-2019	A
12	PRATIMA TUDU	1390986	2018-2019	A
13	SOMASHREE MONDAL	1291075	2018-2019	A
14	BARNALI JANA	1420264	2018-2019	A
15	SIULI JANA	1570860	2018-2019	A
16	MAMATA PRAMANIK	1081704	2018-2019	A
17	ALISHA KHATUN	1531013	2018-2019	B+

Signature
Officer-in-charge
Haldia Government College
P.O. Debhog, Dist- Purba Medinipur

Signature
Signature of course coordinator
Head
Department of Geography
Haldia Government College
Debhog, Purba Medinipur-721657



DEPARTMENT OF GEOGRAPHY
HALDIA GOVERNMENT COLLEGE
VALUE ADDED COURSE ON
GEOINFORMATICS

CERTIFICATE OF COMPLETION

This is to certify that TANUKA MAITY 3rd semester student of Post-Graduate Department of Geography has successfully completed the 30 hours Value Added Course on Geoinformatics organized by Department of Geography, Haldia Government College in the academic session 2021-22. He/ She has secured Grade _____ in this course.

Prof. Sarbeswar Haldar
COURSE COORDINATOR
DEPARTMENT OF GEOGRAPHY

Prof. Sarbeswar Haldar
HEAD OF THE DEPARTMENT
DEPARTMENT OF GEOGRAPHY

Dr. Pijush Kanti Tripathi
OFFICER-IN-CHARGE
HALDIA GOVERNMENT COLLEGE

Add-on/ Value Added Course

On

GEOINFORMATICS

Organized by:

Department of Geography
Haldia Government College
Academic Session: 2021-22

RESOURCE PERSON: Prof. Sarbeswar Haldar

DATE: 07-03-2022

TIME: 5pm-6pm.

Attendance Sheet

Sl. No.	Name	Signature
1	Tanuka Maity	Tanuka Maity
2	Pratima Tudu	Pratima Tudu
3	Shuramkar Gayen	Shuramkar Gayen
4	Somashree Mondal.	Somashree Mondal.
5	Shantashree Mandal	Shantashree Mandal
6	Maitrayee Maity	Maitrayee Maity
7	Silpa pal	Silpa pal
8	Anwesha Maity	Anwesha Maity
9	Sneha Rana	Sneha Rana
10	Mamata Pramanik	Mamata Pramanik
11	Swannali Khanra	Swannali Khanra
12	Archana Samanta	Archana Samanta
13	Barnali Jana	Barnali Jana
14	Siuli Jana	Siuli Jana
15	Subhashis Jana	Subhashis Jana
16	Alisha Khatun	Alisha Khatun
17	Sujit Barman	Sujit Barman
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Add-on/ Value Added Course**On****GEOINFORMATICS****Organized by:**

Department of Geography
Haldia Government College
Academic Session: 2021-22

RESOURCE PERSON: Dr. Sk. Mithun

DATE: 08-03-2022

TIME: 5pm.-6pm.

Attendance Sheet

Sl. No.	Name	Signature
1	Anwesha Maibi	Anwesha Maibi
2	Silpa pal	Silpa pal
3	Barinali Jana	Barinali Jana
4	Somasheer Mondal.	Somasheer Mondal.
5	Siuli Jana	Siuli Jana
6	Alisha khatun	Alisha khatun
7	Subheshtis Jana	Subheshtis Jana
8	Shuvankar Gayen	Shuvankar Gayen
9	Archana Samanta	Archana Samanta
10	Shantashree Mandal	Shantashree Mandal
11	Pratima Tudu	Pratima Tudu
12	Sreeja Rana	Sreeja Rana
13	Swannali Khanra	Swannali Khanra
14	Mamata Pramanik	Mamata Pramanik
15	Tanuka Maity	Tanuka Maity
16	Maitrayee Maity	Maitrayee Maity
17	Suvajit Barman	Suvajit Barman
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Add-on/ Value Added Course**On****GEOINFORMATICS****Organized by:**

Department of Geography
Haldia Government College
Academic Session: 2021-22

RESOURCE PERSON: Prof. Yogita Dutta**DATE:** 09-03-2022**TIME:** 5pm-6pm.**Attendance Sheet**

Sl. No.	Name	Signature
1	Bournali Jana	Bournali Jana
2	Archana Samanta	Archana Samanta
3	Tanuka Maity	Tanuka Maity
4	Pratima Tudu	Pratima Tudu
5	Silpa Pal	Silpa Pal
6	Anwesha Maity	Anwesha Maity
7	Swannali Khanna	Swannali Khanna
8	Maitrayee Maity	Maitrayee Maity
9	Shantashree Mandal	Shantashree Mandal
10	Siuli Jana	Siuli Jana
11	Subhashis Zane	Subhashis Zane
12	Mamata Pramanik	Mamata Pramanik
13	Sreeja Rana	Sreeja Rana
14	Alisha Khatun	Alisha Khatun
15	Shuvankar Gayen	Shuvankar Gayen
16	Somashree Mondal	Somashree Mondal
17	Sujit Barman	Sujit Barman
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Add-on/ Value Added Course

On

GEOINFORMATICS

Organized by:

Department of Geography
Haldia Government College
Academic Session: 2021-22

RESOURCE PERSON: Prof. Pramay Santra

DATE: 10-03-2022

TIME: 5pm-6pm.

Attendance Sheet

Sl. No.	Name	Signature
1	Shuvamkar Gayen	Shuvamkar Gayen
2	Siali Jana	Siali Jana
3	Anwesha Maity	Anwesha Maity
4	Tanuka Maity	Tanuka Maity
5	Maithayee Maity	Maithayee Maity
6	Swannali Khanna	Swannali Khanna
7	Shantashree Mondal	Shantashree Mondal
8	Alisha Khatun	Alisha Khatun
9	Pratima Tudu	Pratima Tudu
10	Barnali Jana	Barnali Jana
11	Sreeja Rama	Sreeja Rama
12	Silpa pal	Silpa pal
13	Subhashis Jona	Subhashis Jona
14	Somashree Mondal.	Somashree Mondal.
15	Archana Samanta	Archana Samanta
16	Mamata Pramanick	Mamata Pramanick
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Add-on/ Value Added Course

On

GEOINFORMATICS

Organized by:

Department of Geography
Haldia Government College
Academic Session: 2021-22

RESOURCE PERSON: Prof. Sarbeswar Halder

DATE: 11-03-2022

TIME: 5pm-6 pm

Attendance Sheet

Sl. No.	Name	Signature
1	Alisha khatur	Alisha khatur
2	Subhashis Jana	Subhashis Jana
3	Barnali Jana	Barnali Jana
4	Shantashree Mandal	Shantashree Mandal
5	Anwesha Maiti	Anwesha Maiti
6	Silpa pal	Silpa pal
7	Sreeja Rama	Sreeja Rama
8	Siuli Jana	Siuli Jana
9	Tanuka Maity	Tanuka Maity
10	Pratima Tudu	Pratima Tudu
11	Maitrayee Maity	Maitrayee Maity
12	Swannali Khanna	Swannali Khanna
13	Shuvankar Gayen	Shuvankar Gayen
14	Archana Samanta	Archana Samanta
15	Mamata Pramanik	Mamata Pramanik
16	Pratima Tudu	Pratima Tudu
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Add-on/ Value Added Course

On

GEOINFORMATICS

Organized by:

Department of Geography

Haldia Government College

Academic Session: 2021-22

RESOURCE PERSON: Dr. Sk Mithun

DATE: 14-03-2022

TIME: 5pm - 6pm.

Attendance Sheet

Sl. No.	Name	Signature
1	Shuvamkar Gayen	Shuvamkar Gayen
2	Siuli Jana	Siuli Jana
3	Maitrayee Maity	Maitrayee Maity
4	Barnali Jana	Barnali Jana
5	Somashree Mondal.	Somashree Mondal.
6	Archana Samanta	Archana Samanta
7	Alisha Khatun	Alisha Khatun
8	Pratima Tudu	Pratima Tudu
9	Mamata Pramanick	Mamata Pramanick
10	Subhashis Jana	Subhashis Jana
11	Tanuka Maity	Tanuka Maity
12	Swannali Khanna	Swannali Khanna
13	Anwesha Maity	Anwesha Maity
14	Sneeta Rana	Sneeta Rana
15	Silpa Pal	Silpa Pal
16	Shantashree Mandal	Shantashree Mandal
17	Suvajit Barman	Suvajit Barman
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Add-on/ Value Added Course

On

GEOINFORMATICS

Organized by:

Department of Geography

Haldia Government College

Academic Session: 2021-22

RESOURCE PERSON: Prof. Pramanay Santra

DATE: 15-03-2022

TIME: 5pm - 6pm.

Attendance Sheet

Sl. No.	Name	Signature
1	Maityayee Maity	Maityayee Maity
2	Anwesha Maibi	Anwesha Maity
3	Sneeta Rama	Sneeta Rama
4	Alisha Ikhatur	Alisha Ikhatur
5	Mamata Pramanick	Mamata Pramanick
6	Archana Samanta	Archana Samanta
7	Barnali Jana	Barnali Jana
8	Tanuka Maity	Tanuka Maity
9	Swannali Khanna	Swannali Khanna
10	Shuvomkar Gayen	Shuvomkar Gayen
11	Somashree Mondal	Somashree Mondal
12	Shantashree Mandal	Shantashree Mandal
13	Subhashis Jana	Subhashis Jana
14	Silpa pal	Silpa pal
15	Siuli Jana	Siuli Jana
16	Pratima Tudu	Pratima Tudu
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Add-on/ Value Added Course

On

GEOINFORMATICS

Organized by:

Department of Geography

Haldia Government College

Academic Session: 2021-22

RESOURCE PERSON: Prof. Yogita Dutta.

DATE: 16-03-2022

TIME: 5pm-6pm.

Attendance Sheet

Sl. No.	Name	Signature
1	Siuli Jana	Siuli Jana
2	Somashree Mondal.	Somashree Mondal.
3	Silpa pal	Silpa pal
4	Anwesha Maiti	Anwesha Maiti
5	Alisha Khatun	Alisha Khatun
6	Shantashree Mandal	Shantashree Mandal
7	Barnali Jana	Barnali Jana
8	Maitrayee Maity	Maitrayee Maity
9	Shuvamkar Gayen	Shuvamkar Gayen
10	Tanuka Maity	Tanuka Maity
11	Sneha Rama	Sneha Rama
12	Subhoshis Jana	Subhoshis Jana
13	Mamata Pramanick	Mamata Pramanick
14	Archana Samanta	Archana Samanta
15	Swarnali Khanra	Swarnali Khanra
16	Pratima Tudu	Pratima Tudu
17	Sujit Barman	Sujit Barman
18		
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On

GEOINFORMATICS

Organized by:

Department of Geography

Haldia Government College

Academic Session: 2021-22

RESOURCE PERSON:

Prof. Sarbeswar Haldar

DATE: 17-03-2022

TIME: 5pm - 6pm.

Attendance Sheet

Sl. No.	Name	Signature
1	Barnali Jana	Barnali Jana
2	Pratima Tudu	Pratima Tudu
3	Shantashree Mandal	Shantashree Mandal
4	Swannali Khanna	Swannali Khanna
5	Silpa pal	Silpa pal
6	Anchana Samanta	Anchana Samanta
7	Anwesha Maibi	Anwesha Maibi
8	Sneeta Rana	Sneeta Rana
9	Shuvamkar Gayen	Shuvamkar Gayen
10	Mamata Pramanik	Mamata Pramanik
11	Subhosh's Jana	Subhosh's Jana
12	Somashree Mondal.	Somashree Mondal.
13	Maitrayee Maity	Maitrayee Maity
14	Tanuka Maity	Tanuka Maity
15	Alisha Khatun	Alisha Khatun
16	Siuli Jana	Siuli Jana
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Add-on/ Value Added Course

On

GEOINFORMATICS

Organized by:

Department of Geography

Haldia Government College

Academic Session: 2021-22

RESOURCE PERSON: Dr. Sk Mithun

DATE: 21-03-2022

TIME: 5pm-6pm.

Attendance Sheet

Sl. No.	Name	Signature
1	Subhashis Jana	Subhashis Jana
2	Siuli Jana	Siuli Jana
3	Somashree Mondal	Somashree Mondal
4	Mamata Pramanik	Mamata Pramanik
5	Anwesha Maiti	Anwesha Maiti
6	Shantashree Mandal	Shantashree Mandal
7	Swannali Khanna	Swannali Khanna
8	Alisha Khatun	Alisha Khatun
9	Archana Samanta	Archana Samanta
10	Maitrayee Maity	Maitrayee Maity
11	Silpa Pal	Silpa Pal
12	Sneeta Rana	Sneeta Rana
13	Barnali Jana	Barnali Jana
14	Shuvamkar Gayen	Shuvamkar Gayen
15	Tanuka Maity	Tanuka Maity
16	Pratima Tudu	Pratima Tudu
17	Suvajit Barman	Suvajit Barman
18		
19		
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Add-on/ Value Added Course

On

GEOINFORMATICS

Organized by:

Department of Geography

Haldia Government College

Academic Session: 2021-22

RESOURCE PERSON: Prof Pramay Santra

DATE: 22-03-2022

TIME: 5pm-6pm.

Attendance Sheet

Sl. No.	Name	Signature
1	Pratima Tudu	Pratima Tudu
2	Somashree Mondal.	Somashree Mondal.
3	Shuvankar Gayen	Shuvankar Gayen
4	Tanuka Maity	Tanuka Maity
5	Sneeya Rana	Sneeya Rana
6	Mamata Pramanik	Mamata Pramanik
7	Subhashis Jana	Subhashis Jana
8	Anwesha Maiti	Anwesha Maiti
9	Alisha Khatun	Alisha Khatun
10	Swarnali Khanra	Swarnali Khanra
11	Maitrayee Maity	Maitrayee Maity
12	Archana Samanta	Archana Samanta
13	Barnali Jana	Barnali Jana
14	Silpa pal	Silpa pal
15	Siuli Jana	Siuli Jana
16	Shantashree Mandal	Shantashree Mandal
17		
18		
19		
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Add-on/ Value Added Course

On

GEOINFORMATICS

Organized by:

Department of Geography
Haldia Government College
Academic Session: 2021-22

RESOURCE PERSON:

Prof. Yogita Janta

DATE: 23-03-22

TIME: 5pm-6pm.

Attendance Sheet

Sl. No.	Name	Signature
1	Shantashree Mandal	Shantashree Mandal
2	Mamata Pramanik	Mamata Pramanik
3	Subheshi's Jana	Subheshi's Jana
4	Siuli Jana	Siuli Jana
5	Swannali Khanna	Swannali Khanna
6	Pratima Tudu	Pratima Tudu
7	Barnali Jana	Barnali Jana
8	Maitrayee Maity	Maitrayee Maity
9	Archana Samanta	Archana Samanta
10	Tanuka Maity	Tanuka Maity
11	Shuvamkar Gayen	Shuvamkar Gayen
12	Alisha Khatun	Alisha Khatun
13	Anwesha Maiti	Anwesha Maiti
14	Somashree Mondal.	Somashree Mondal.
15	Sneerja Rana	Sneerja Rana
16	Silpa pal	Silpa pal
17		
18		
19		
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Add-on/ Value Added Course

On

GEOINFORMATICS

Organized by:

Department of Geography
Haldia Government College
Academic Session: 2021-22

RESOURCE PERSON: Prof. Sarbeswar Haldar

DATE: 24-03-2022

TIME: 5pm - 6pm.

Attendance Sheet

Sl. No.	Name	Signature
1	Mamata Pramanik	Mamata Pramanik
2	Shantashree Mandal	Shantashree Mandal
3	Maitrayee Maity	Maitrayee Maity
4	Subhashis Jana	subhashis Jana
5	Anwesha Maity	Anwesha Maity
6	Swannali Khanna	Swannali Khanna
7	Barnali Jana	Barnali Jana
8	Shuvankar Gayen	Shuvankar Gayen
9	Tanuka Maity	Tanuka Maity
10	Siuli Jana	Siuli Jana
11	Archana Samanta	Archana Samanta
12	Somashree Mondal.	Somashree Mondal.
13	Sreeja Rana	Sreeja Rana
14	Alisha khatun	Alisha khatun
15	Pratima Tudu	Pratima Tudu
16	silpa pal	silpa pal
17		
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Add-on/ Value Added Course

On

GEOINFORMATICS

Organized by:

Department of Geography
Haldia Government College
Academic Session: 2021-22

RESOURCE PERSON: Prof. Pranay Santra

DATE: 25-03-2022

TIME: 5pm-6pm.

Attendance Sheet

Sl. No.	Name	Signature
1	Silpa pal	Silpa pal
2	Siuli Jana	Siuli Jana
3	Anwesha Maity	Anwesha Maity
4	Mamata Pramanik	Mamata Pramanik
5	Tanuka Maity	Tanuka Maity
6	Shuvankar Gayen	Shuvankar Gayen
7	Swannali Khanra	Swannali Khanra
8	Barnali Jana	Barnali Jana
9	Alisha Khatun	Alisha Khatun
10	Sreeja Rana	Sreeja Rana
11	Somashree Mondal.	Somashree Mondal.
12	Subhashis Zane	Subhashis Zane
13	Archana Samanta	Archana Samanta
14	Shantashree Mandal	Shantashree Mandal
15	Maitrayee Maity	Maitrayee Maity
16	Pratima Tudu	Pratima Tudu
17		
18		
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Add-on/ Value Added Course

On

GEOINFORMATICS

Organized by:

Department of Geography

Haldia Government College

Academic Session: 2021-22

RESOURCE PERSON:

Dr. Sk Mithun

DATE: 28-03-2022

TIME: 5pm.-6pm.

Attendance Sheet

Sl. No.	Name	Signature
1	Maitrayee Maity	Maitrayee Maity
2	Siuli Jana	Siuli Jana
3	Tanuka Maity	Tanuka Maity
4	Sreeja Rana	Sreeja Rana
5	Mamata Pramanik	Mamata Pramanik
6	Pratima Tudu	Pratima Tudu
7	Archana Samanta	Archana Samanta
8	Subhashis Jana	Subhashis Jana
9	Alisha Chatterjee	Alisha Chatterjee
10	Shuvamkar Gayen	Shuvamkar Gayen
11	Silpa Pal	Silpa Pal
12	Anwesha Maity	Anwesha Maity
13	Swannali Khanna	Swannali Khanna
14	Shantashree Mondal	Shantashree Mondal
15	Barnali Jana	Barnali Jana
16	Somashree Mondal	Somashree Mondal
17	Suvajit Barman	Suvajit Barman
18		
19		
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Add-on/ Value Added Course

On

GEOINFORMATICS

Organized by:

Department of Geography

Haldia Government College

Academic Session: 2021-22

RESOURCE PERSON: Prof. Pramanj Santra

DATE: 29-03-2022

TIME: 5pm-6pm.

Attendance Sheet

Sl. No.	Name	Signature
1	Siuli Jana	Siuli Jana
2	Shantashree Mandal	Shantashree Mandal
3	Pratima Tudu	Pratima Tudu
4	Somashree Mondal.	Somashree Mondal.
5	Anchana Samanta	Anchana Samanta
6	Maitrayee Maity	Maitrayee Maity
7	Barnali Jana	Barnali Jana
8	Swannali Khanra	Swannali Khanra
9	Silpa pal	Silpa pal
10	Anwesha Maiti	Anwesha Maiti
11	Subhashi's Zone	Subhashi's Zone
12	Mamata Pramanin	Mamata Pramanin
13	Sneeta Rana	Sneeta Rana
14	Alisha khatun	Alisha khatun
15	Tanuka Maity	Tanuka Maity
16	Shuvamkar Gayen	Shuvamkar Gayen
17		
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Add-on/ Value Added Course

On

GEOINFORMATICS

Organized by:

Department of Geography
Haldia Government College

Academic Session: 2021-22

RESOURCE PERSON:

Prof. Yogita Dutta

DATE: 30-03-2022

TIME: 5pm-6pm

Attendance Sheet

Sl. No.	Name	Signature
1	Mamata Pramanik	Mamata Pramanik
2	Subhashis Jana	Subhashis Jana
3	Archana Samanta	Archana Samanta
4	Siuli Jana	Siuli Jana
5	Pratima Tudu	Pratima Tudu
6	Anwesha Maity	Anwesha Maity
7	Somashree Mondal.	Somashree Mondal.
8	Tanuka Maity	Tanuka Maity
9	Barnali Jana	Barnali Jana
10	Silpa Pal	Silpa Pal
11	Alisha Khatun	Alisha Khatun
12	Sneeta Rana	Sneeta Rana
13	Maitrayee Maity	Maitrayee Maity
14	Shuvamkar Gayen	Shuvamkar Gayen
15	Shantashree Mandal	Shantashree Mandal
16	Swannali Khanra	Swannali Khanra
17		
18		
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Add-on/ Value Added Course

On

GEOINFORMATICS

Organized by:

Department of Geography
Haldia Government College
Academic Session: 2021-22

RESOURCE PERSON: Prof. Sarbeswar Haldar

DATE: 31-03-2022

TIME: 5pm-6pm.

Attendance Sheet

Sl. No.	Name	Signature
1	Sreeja Rana	Sreeja Rana
2	Shantashree Mandal	Shantashree Mandal
3	Swannali Khanra	Swannali Khanra
4	Anwesha Maibi	Anwesha Maibi
5	Pratima Tudu	Pratima Tudu
6	Tanuka Maity	Tanuka Maity
7	Barnali Jana	Barnali Jana
8	Somashree Mondal.	Somashree Mondal.
9	Archana Samanta	Archana Samanta
10	Mamata Pramanik	Mamata Pramanik
11	Alisha Khatun	Alisha Khatun
12	Shuvamkar Gayen	Shuvamkar Gayen
13	Silpa pal	Silpa pal
14	Subhashis Jana	Subhashis Jana
15	Siuli Jana	Siuli Jana
16	Maitrayee Maity	Maitrayee Maity
17		
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**Add-on/ Value Added Course
On**

GEOINFORMATICS

Organized by:

Department of Geography
Haldia Government College
Academic Session: 2021-22

RESOURCE PERSON: Dr. SK Mithun

DATE: 04-04-2022

TIME: 5pm - 6pm

Attendance Sheet

Sl. No.	Name	Signature
1	Somashree Mondal.	Somashree Mondal.
2	Maitrayee Maity	Maitrayee Maity
3	Barnali Jana	Barnali Jana
4	Shuvankar Gayen	Shuvankar Gayen
5	Swannali Khanna	Swannali Khanna
6	Anwesha Maity	Anwesha Maity
7	Archana Samanta	Archana Samanta
8	Silpa Pal	Silpa Pal
9	Subhoshis Jona	Subhoshis Jona
10	Alisha Khatun	Alisha Khatun
11	Mamata Pramanik	Mamata Pramanik
12	Shantashree Mandal	Shantashree Mandal
13	Pratima Tudu	Pratima Tudu
14	Tanuka Maity	Tanuka Maity
15	Sreeja Rana	Sreeja Rana
16	Siuli Jana	Siuli Jana
17		
18		
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Add-on/ Value Added Course

On

GEOINFORMATICS

Organized by:

Department of Geography

Haldia Government College

Academic Session: 2021-22

RESOURCE PERSON:

Prof. Pranay Santra

DATE: 05-04-2022

TIME: 5pm - 6pm

Attendance Sheet

Sl. No.	Name	Signature
1	Barnali Jana	Barnali Jana
2	Alisha Khatun	Alisha Khatun
3	Siuli Jana	Siuli Jana
4	Maitrayee Maity	Maitrayee Maity
5	Shantashree Mondal	Shantashree Mondal
6	Tanuka Maity	Tanuka Maity
7	Anwesha Maity	Anwesha Maity
8	Sneeta Rana	Sneeta Rana
9	Silpa pal	Silpa pal
10	Subhashis Jana	Subhashis Jana
11	Swannali Khanra	Swannali Khanra
12	Mamata Pramanik	Mamata Pramanik
13	Somashree Mondal	Somashree Mondal
14	Pratima Tudu	Pratima Tudu
15	Shuvamkar Gayen	Shuvamkar Gayen
16	Archana Samanta	Archana Samanta
17		
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Add-on/ Value Added Course

On

GEOINFORMATICS

Organized by:

Department of Geography
Haldia Government College
Academic Session: 2021-22

RESOURCE PERSON: Prof. Yogita Dutta

DATE: 06-04-2022

TIME: 5pm - 6pm.

Attendance Sheet

Sl. No.	Name	Signature
1	Tanuka Maity	Tanuka Maity
2	Shuvamkar Gayen	Shuvamkar Gayen
3	Sreeja Rana	Sreeja Rana
4	Shantashree Mandal	Shantashree Mandal
5	Mamata Pramanick	Mamata Pramanick
6	Anwesha Maity	Anwesha Maity
7	Somashree Mondal.	Somashree Mondal.
8	Barnali Jana	Barnali Jana
9	Siuli Jana	Siuli Jana
10	Silpa pal	Silpa pal
11	Subhashis Jana	Subhashis Jana
12	Swannali Khanra	Swannali Khanra
13	Maitrayee Maity	Maitrayee Maity
14	Alisha Khatun	Alisha Khatun
15	Archana Samanta	Archana Samanta
16	Pratima Tudu	Pratima Tudu
17	Suvajit Barman	Suvajit Barman
18		
19		
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Add-on/ Value Added Course

On

GEOINFORMATICS

Organized by:

Department of Geography

Haldia Government College

Academic Session: 2021-22

RESOURCE PERSON:

Prof. Sarbeswar Haldar

DATE: 07-04-2022

TIME: 5pm.-6pm.

Attendance Sheet

Sl. No.	Name	Signature
1	Mamata Pramanik	Mamata Pramanik
2	Sreeja Rana	Sreeja Rana
3	Tanuka Maity	Tanuka Maity
4	Shuvankar Gayen	Shuvankar Gayen
5	Subhashis Jana	Subhashis Jana
6	Somashree Mondal.	Somashree Mondal.
7	Anwesha Maity	Anwesha Maity
8	Barnali Jana	Barnali Jana
9	Silpa pal	Silpa pal
10	Siuli Jana	Siuli Jana
11	Pratima Tudu	Pratima Tudu
12	Maitrayee Maity	Maitrayee Maity
13	Alisha Khatun	Alisha Khatun
14	Shantashree Mandal	Shantashree Mandal
15	Swannali Khanra	Swannali Khanra
16	Archana Samanta	Archana Samanta
17		
18		
19		
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Add-on/ Value Added Course

On

GEOINFORMATICS

Organized by:

Department of Geography
Haldia Government College
Academic Session: 2021-22

RESOURCE PERSON: Dr. SK Mithun

DATE: 11-04-2022

TIME: 3pm - 6pm

Attendance Sheet

Sl. No.	Name	Signature
1	Sneecha Rana	Sneecha Rana
2	Tanuka Maity	Tanuka Maity
3	Mamata Pramanice	Mamata Pramanice
4	Subhashis Jana	Subhashis Jana
5	Shuvankar Gayen	Shuvankar Gayen
6	Siuli Jana	Siuli Jana
7	Maitrayee Maity	Maitrayee Maity
8	Somashree Mondal.	Somashree Mondal.
9	Barnali Jana	Barnali Jana
10	Alisha Khatun	Alisha Khatun
11	Anwesha Maity	Anwesha Maity
12	Swannali Khanra	Swannali Khanra
13	Silpa pal	Silpa pal
14	Sneecha Rana	Sneecha Rana
15	Archana Samanta	Archana Samanta
16	Pratima Tudu	Pratima Tudu
17	Suvajit Barman	Suvajit Barman
18		
19		
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Add-on/ Value Added Course

On

GEOINFORMATICS

Organized by:

Department of Geography

Haldia Government College

Academic Session: 2021-22

RESOURCE PERSON:

Prof. Yogita Dutta

DATE: 12-04-2022

TIME: 5pm - 6pm.

Attendance Sheet

Sl. No.	Name	Signature
1	Tanuka Maity	Tanuka Maity
2	Anwesha Maity	Anwesha Maity
3	Shantashree Mandal	Shantashree Mandal
4	Silpa pal	Silpa pal
5	Somashree Mondal.	Somashree Mondal.
6	Pratima Tudu	Pratima Tudu
7	Barnali Jana	Barnali Jana
8	Siuli Jana	Siuli Jana
9	Maitrayee Maity	Maitrayee Maity
10	Alisha khatun	Alisha khatun
11	Sreeja Rana	Sreeja Rana
12	Mamata Pramanick	Mamata Pramanick
13	Subhaskis Jana	Subhaskis Jana
14	Swannali khanna	Swannali khanna
15	Shuvamkar Gayen	Shuvamkar Gayen
16	Archana Samanta	Archana Samanta
17		
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Add-on/ Value Added Course**On****GEOINFORMATICS****Organized by:**

Department of Geography
Haldia Government College
Academic Session: 2021-22

RESOURCE PERSON:*Prof. Pranay Samra***DATE:** *13-04-2022***TIME:** *5pm-6pm.***Attendance Sheet**

Sl. No.	Name	Signature
1	Subhoshis Jana	Subhoshis Jana
2	Sreeja Rana	Sreeja Rana
3	Barnali Jana	Barnali Jana
4	Swannali Khanna	Swannali Khanna
5	Maitrayee Maity	Maitrayee Maity
6	Alisha Khatun	Alisha Khatun
7	Tanuka Maity	Tanuka Maity
8	Siuli Jana	Siuli Jana
9	Anwesha Maibi	Anwesha Maibi
10	Silpa Pal	Silpa Pal
11	Archana Samanta	Archana Samanta
12	Pratima Tudu	Pratima Tudu
13	Mamata Pramanik	Mamata Pramanik
14	Shuvankar Gayen	Shuvankar Gayen
15	Somashree Mondal.	Somashree Mondal.
16	Shantashree Mandal	Shantashree Mandal
17	Suvajit Barman	Suvajit Barman
18		
19		
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Add-on/ Value Added Course

On

GEOINFORMATICS

Organized by:

Department of Geography

Haldia Government College

Academic Session: 2021-22

RESOURCE PERSON: Dr. SK Mithun

DATE: 18-04-2022

TIME: 3pm-6pm.

Attendance Sheet

Sl. No.	Name	Signature
1	Maitrayee Maity	Maitrayee Maity
2	Somashree Mondal.	Somashree Mondal.
3	Alisha Khatun	Alisha Khatun
4	Tanuka Maity	Tanuka Maity
5	Silpa pal	Silpa pal
6	Shuvankar Gayen	Shuvankar Gayen
7	Subhashis Zana	Subhashis Zana
8	Barnali Jana	Barnali Jana
9	Anwesha Maity	Anwesha Maity
10	Siuli Jana	Siuli Jana
11	Shantashree Mandal	Shantashree Mandal
12	Sneerja Rana	Sneerja Rana
13	Mamata Pramanik	Mamata Pramanik
14	Swannali Khanra	Swannali Khanra
15	Archana Samanta	Archana Samanta
16	Pratima Tudu	Pratima Tudu
17		
18		
19		
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Add-on/ Value Added Course

On

GEOINFORMATICS

Organized by:

Department of Geography

Haldia Government College

Academic Session: 2021-22

RESOURCE PERSON:

Prof. Pramanj Samra

DATE: 19-04-2022

TIME: 5pm - 6pm.

Attendance Sheet

Sl. No.	Name	Signature
1	Archana Samanta	Archana Samanta
2	Swarnali Khanra	Swarnali Khanra
3	Shantashree Mandal	Shantashree Mandal.
4	Maitrayee Maity	Maitrayee Maity
5	Siuli Jana	Siuli Jana
6	Mamata Pramanick	Mamata Pramanick
7	Silpa Pal	Silpa Pal
8	Pratima Tudu	Pratima Tudu
9	Somashree Mondal.	Somashree Mondal.
10	Barnali Jana	Barnali Jana
11	Sneeta Rana	Sneeta Rana
12	Subhashis Zana	Subhashis Zana
13	Shuvamkar Gayen	Shuvamkar Gayen
14	Anwesha Maibi	Anwesha Maibi
15	Alisha Khatun	Alisha Khatun
16	Tanuka Maity	Tanuka Maity
17		
18		
19		
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Add-on/ Value Added Course

On

GEOINFORMATICS

Organized by:

Department of Geography

Haldia Government College

Academic Session: 2021-22

RESOURCE PERSON:

Prof. Yogita Dutta

DATE: 20-04-2022

TIME: 5pm. - 6pm.

Attendance Sheet

Sl. No.	Name	Signature
1	Siuli Jana	Siuli Jana
2	Subhashis Jana	Subhashis Jana
3	Swannali Khanra	Swannali Khanra
4	Anwesha Maity	Anwesha Maity
5	Sreeja Rana	Sreeja Rana
6	Archana Samanta	Archana Samanta
7	Mamata Pramanik	Mamata Pramanik
8	Barnali Jana	Barnali Jana
9	Maitrayee Maity	Maitrayee Maity
10	Shantashree Mandal	Shantashree Mandal
11	Silpa Pal	Silpa Pal
12	Pratima Tudu	Pratima Tudu
13	Alisha Khatun	Alisha Khatun
14	Somasree Mondal.	Somasree Mondal.
15	Tanuka Maity	Tanuka Maity
16	Shuvankar Gayen	Shuvankar Gayen
17		
18		
19		
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Add-on/ Value Added Course

On

GEOINFORMATICS

Organized by:

Department of Geography
Haldia Government College
Academic Session: 2021-22

RESOURCE PERSON: Dr. Sk Mittam

DATE: 21-04-2022

TIME: 5pm - 6pm.

Attendance Sheet

Sl. No.	Name	Signature
1	Somashree Mondal.	Somashree Mondal.
2	Subhashis Jana	Subhashis Jana
3	Barnali Jana	Barnali Jana
4	Mamata Pramanik	Mamata Pramanik
5	Pratima Tudu	Pratima Tudu
6	Archana Samanta	Archana Samanta
7	Tanuka Maity	Tanuka Maity
8	Anwesha Maity	Anwesha Maity
9	Alisha Khatun	Alisha Khatun
10	Sreeja Rana	Sreeja Rana
11	Siuli Jana	Siuli Jana
12	Silpa Pal	Silpa Pal
13	Maityayee Maity	Maityayee Maity
14	Swarnali Khanra	Swarnali Khanra
15	Shantashree Mandal	Shantashree Mandal
16	Shuvankar Gayen	Shuvankar Gayen
17		
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19		
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Add-on/ Value Added Course

On

GEOINFORMATICS

Organized by:

Department of Geography

Haldia Government College

Academic Session: 2021-22

RESOURCE PERSON:

Dr. SK Mithun

DATE: 25-04-2022

TIME: 3pm-6pm.

Attendance Sheet

Sl. No.	Name	Signature
1	Shantashree Mondal.	Shantashree Mondal.
2	Pratima Tudu	Pratima Tudu
3	Swannali Khanra	Swannali Khanra
4	Archana Samanta	Archana Samanta
5	Tanuka Maity	Tanuka Maity
6	Anwesha Maiti	Anwesha Maiti
7	Pratima Tudu	Pratima Tudu
8	Barnali Jana	Barnali Jana
9	Swannali Khanra	Swannali Khanra
10	Archana Samanta	Archana Samanta
11	Silpa Pal	Silpa Pal
12	Sreeja Rana	Sreeja Rana
13	Alisha Khatun	Alisha Khatun
14	Maitrayee Maity	Maitrayee Maity
15	Silpa Pal	Silpa Pal
16	Siuli Jana	Siuli Jana
17		
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Add-on/ Value Added Course

On

GEOINFORMATICS

Organized by:

Department of Geography
Haldia Government College
Academic Session: 2021-22

RESOURCE PERSON: Prof Sarbeswar Haldar

DATE: 02-05-2022

TIME: 5pm-6pm.

Attendance Sheet

Sl. No.	Name	Signature
1	Swarnali khamra	Swarnali khamra
2	Somashree Mondal.	Somashree Mondal.
3	Archana Samanta	Archana Samanta
4	Maitrayee Maity	Maitrayee Maity
5	Barnali Jana	Barnali Jana
6	Alisha khatun	Alisha khatun
7	Silpa pal	Silpa pal
8	Anwesha Maity	Anwesha Maity
9	Shantashree Mandal	Shantashree Mandal
10	Siuli Jana	Siuli Jana
11	Mamata Pramanick	Mamata Pramanick
12	Swarnali khamra	
13	Archana Samanta	Archana Samanta
14	Tanuka Maity	Tanuka Maity
15	Pratima Tudu	Pratima Tudu
16	Sneeta Rana	Sneeta Rana
17	Suvajit Barman	Suvajit Barman
18		
19		
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on

Organized by:

Date of examination: 05.05.22

Signature
Officer-in-charge
Haldia Government College
P.O. Debnag, Dist. Purba Medinipur

Head of Geography
Department of Government College
Haldia, Purba Medinipur-721657