



FUGRO

WORKSHOP REPORT



*Beyond
the
Waves!*

12 JULY, 2024

Report of the Ocean Literacy Workshop on Ocean-Climate Education & Conservation

Fostering youth education to support ocean conservation

Background

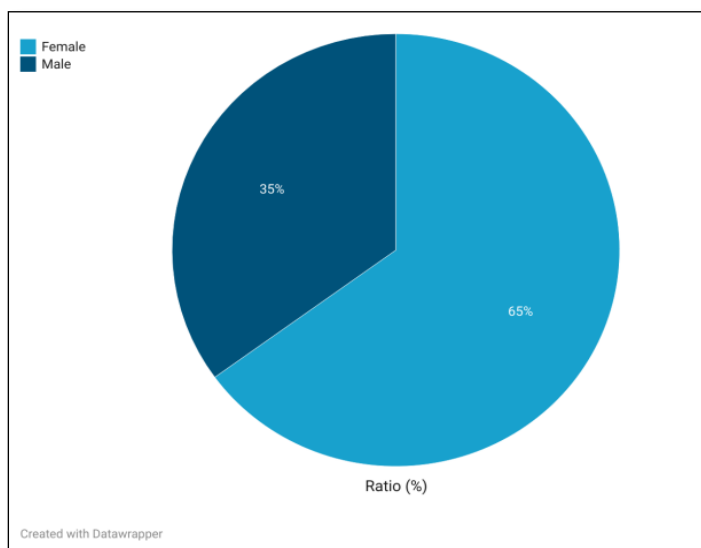
The [Estuarine and Coastal Studies Foundation \(ECSF\)](#) launched the ‘[Ocean Literacy Initiative: Beyond the Waves](#)’ in 2023. The main objective of the programme was to foster ocean-climate education among the youths of coastal communities. As a part of that initiative, on 12 July 2024, an Ocean Literacy workshop was held in the premises of Vivekananda Vidyaniketan High School of Sagar Island, Indian Sundarbans, West Bengal, India. The workshop was supported by the Corporate Social Responsibility (CSR) of the FUGRO.



Workshop Participation

The event brought together 115 students from diverse age group (12-15 years) and 10 high-school educators as the workshop participants. The demographic curve of the students was skewed towards females (65%) than males (35%). [In a socio-economically backward coastal island of India, where gender biased discrimination is a point of grave concern, the male/female ratio in the school is showing a benchmark and positively contributing to the success of women education and participation.](#) Below

the pie chart is showing the female: male ratio (%) and the table is showing different age groups with the total number of students.



Age Group (Years)	Total Students
12	26
13	28
14	38
15	24

Created with Datawrapper

Objectives

- Raise awareness about ocean literacy and its importance
- Share knowledge on ocean conservation (i.e. building bio-shields through mangroves)
- Promoting local ambassadors with resource materials

Opening Speech

Mr. Byomkesh Sinha, Head of the school, delivered the opening speech. He emphasized the background of the Sagar Island and how the climatic condition has been changing over a period of last 15 years. He underscored that the workshop provided an opportunity to learn about ocean and climate interconnection and from one another. Followed by his speech, the Secretary of the school committee, **Mr. Alokesh Das** opened the session by discussing the context of the workshop and the partners that helped to organize the event.

Dr. Sourav Paul, Director of ECSF and the IoC-UNESCO UN Ocean Decade Cyclone programme endorsed scientist, shared his valuable insights on the Ocean Decade and the importance of marine ecosystems in Sundarbans. He emphasized that the youths have all the potential to carry forward marine conservation activities in their region and be a voice of change. He also linked how teachers can participate and motivate the students in such conservation projects.

Mr. Shantanu Bhattacharya, representative of FUGRO, enlightened about FUGRO's regional activities and how the FUGRO is involved globally in the seabed mapping chapter by 2030.

Mr. Jahar Sarkar, an artist turned local climate advocate, gave an overview about his ideas and how as an artist he looks at the sea.

Resource Materials & Activities

Ms. Debarati Sengupta, the Ocean Literacy Coordinator of ECSF, shared an educational presentation with the students which provided them a better understanding of the various dimensions of oceanography and the different local challenges. The presentation highlighted the key steps in the conservation and importance of mangroves to safeguard the coastal erosion. The session also covered the main conditions for successful coastal management after mangrove plantation.

Quiz Competition & Hands-on session

An exciting quiz competition was held after the science presentation. The students participated with full enthusiasm and showed a high level of interactive gesture in the global ocean targeted questions. After an authentic lunch break, students and teachers participated in a hands-on session to measure water quality (pH and Salinity) of water bodies of the school.

Art Competition, Special Recognition and Distribution of Gifts

The students showed excellent creativity by transforming their ideas into colorful paintings. Best of five got a special recognition from the judges' panel and [the winner, Ms. Sukanyashri Tiwari, received exciting gifts from the organizing team. Other two winners of the whole workshop were selected based on their overall performance, creativity and interest to make a difference. Nandini Samanta and Madhurima Mondal received two thought provoking ocean inspired books as prizes which motivated them immensely to take up new ideas in future. Certificates and notebooks were distributed to all participants for their honest commitments to save the motherland.](#)

Mangrove Plantation

After the successful completion of the workshop, mangrove saplings of *Avicennia sp.*, *Bruguiera sp.*, *Ceriops decandra* and *Heritiera fomes* were handed over to all the participants and they actively planted those in a local intertidal zone where mangrove plantation is required for raising bio-shield.

Pre-Post Survey Results & Feedback

A pre and post workshop surveys had been conducted by the ECSF Ocean Literacy team with the help of the school to assess the knowledge of ocean among the students. The pre and post survey forms had 8 multiple choice general knowledge questions about ocean followed by 4 self-realization approaches to ocean conservation and 2 demographic questions. [When asked whether or not, they are already a part of any conservation group or activity, 3 students responded that they have already undertaken conservation based initiatives at their home or nearest locality.](#)

Post survey results showed high enthusiasm among participants and their willingness to pursue ocean conservation. Almost all the students could answer most of the multiple-choice questions raised in the pre-survey which were repeated in the post-survey feedback too (see annexure). In the 4 questions related to self-realization approaches to ocean conservation students have overwhelmingly emphasized on vulnerability of cyclones in the region, and how such vulnerability is triggered by sea-level rise and global warming, what are the implications of having mangroves in the Sagar Island. Some students have mentioned that after the workshop they are much aware of the UN Ocean Decade and they would

like to be part of that. Almost all of them have acknowledged that the workshop has helped them to think about the ocean which previously they had a mind of indifference.

A separate feedback form was used for the teachers for their opinion on the workshop and how that makes a difference. Unanimously all of them supported the workshop and acknowledged that such workshop is extremely rare and unique. They have recommended on the survey form and requested verbally some sort of continuation of the process. They have suggested to include more hands-on training and mangrove related activities within the workshop. All the pre and post survey feedbacks (hard copies) are enclosed and sent to FUGRO for a better understating of the impacts and requirements related to the Ocean-Literacy program.

Outcome & Success

- Considerable increase in understanding of ocean and its impact on Sagar Island and globally
- Protected a local marshy land with mangrove plantation
- Students are being trained in measuring salinity, pH and temperature of the water bodies which many of them are interested to implement locally and some in the aquaculture ponds
- Teachers and students have talked about ocean related curriculum as an add-on to the syllabus
- Established a network of local youth ambassadors who are remaining in touch with the school and ECSF team for ocean related activities follow up.

Recommendations

- Organize follow-up field workshops to sustain momentum
- Develop ocean literacy resources and materials in regional language (i.e. Bengali)
- Establish a community of practice for students and educators
- In an Ocean-Literacy workshop more emphasis is required on mangrove plantation and hands-on training.

Conclusion

The ocean literacy workshop achieved its objectives, empowering participants to become ocean ambassadors in their communities. We look forward to continued collaboration and progress towards a more ocean-literate society.

Acknowledgments

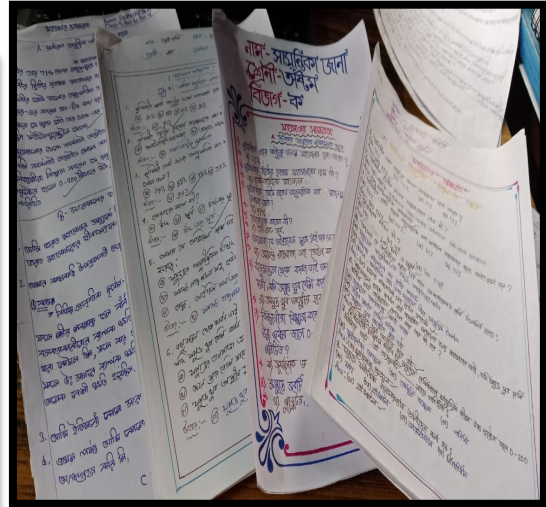
We thank the Vivekananda Vidyaniketan High School, Sagar Island authority for their heartiest support. We are grateful to our speakers, facilitators, and participants for their contributions to the workshop's success. A special appreciation goes to FUGRO for Corporate Social Responsibility.

Annexures

1. Photos of the Ocean Literacy workshop (see <https://drive.google.com/drive/folders/1UUFoL9AxTCWZATuktXVogMuVIJetkwGf?usp=sharing>)
2. Flyer, banner, pre-and post-survey feedback forms, certificate and note book cover
4. Pre-post survey feedbacks (hard copies over post)









FUGRO



Ocean Literacy Workshop

'BEYOND THE WAVES'

A workshop on ocean-climate education & conservation

 12 July, 2024

 Vivekananda Vidyaniketan High School, Sagar Island
West Bengal, India

Ocean Talks
Art Contest
Interactive Quiz
Science Hands-on
Group Discussion
Mangrove Conservation
Ocean Inspired Takeaway

 www.ecsfindia.org

Join us to deep dive!



fugro



Raise Voice, Not Sea Level



BEYOND THE WAVES

Workshop on ocean climate education & conservation

12 July, 2024

Sagar Island, WB, India



 www.ecsfindia.org



মহাসাগর সাক্ষরতা

A: সাধারণ সামুদ্রিক পরিবেশগত জ্ঞান

সঠিক উত্তরে টিক দিন:

1. পৃথিবীর প্রায় কতটুকু অংশ মহাসাগর দ্বারা আবৃত?

ক) 31% খ) 51% গ) 71% ঘ) 91%

2. পৃথিবীর দ্বিতীয় বৃহত্তম মহাসাগরের নাম কি?

ক) আটলান্টিক মহাসাগর খ) প্রশান্ত মহাসাগর গ) ভারত মহাসাগর

3. পৃথিবীর মোট জলের আনুমানিক কত শতাংশ মহাসাগরে রয়েছে, অর্থাৎ লোনা জল?

ক) 34% খ) 52% গ) 72% ঘ) 97%

4. জোয়ারের কারণ কী?

ক) চাঁদ খ) সূর্য গ) চাঁদ এবং সূর্য

5. আমরা যে অক্সিজেন শ্বাস নিই তার 50 শতাংশেরও বেশি উৎপাদিত হয়েছে:

ক) সমুদ্রের আণুবীক্ষণিক উদ্ভিদ ফাইটোপ্ল্যাঙ্কটন

খ) সমস্ত গাছপালা সহ রেইন ফরেস্ট

গ) কেবল, আইরিশ মস এবং সমুদ্রের তীরে সামুদ্রিক শৈবাল

6. বায়ুমণ্ডল থেকে কার্বন ডাই অক্সাইড শোষণের জন্য মহাসাগর দায়ী। যদি সমুদ্র খুব বেশি কার্বন ডাই অক্সাইড শোষণ করে তবে কী হবে?

ক) সমুদ্রের তাপমাত্রা একই থাকে

খ) জলে ক্ষার বেশি থাকে

গ) সমুদ্র খুব অম্লীয় হয়ে ওঠে

7. বিজ্ঞানীরা বিশ্বাস করেন যে সমুদ্রের বেশিরভাগ সামুদ্রিক জীবন উষ্ণ পৃষ্ঠের জলে 0-200 মিটারে ঘটে। এই অঞ্চলটি _____ নামেও পরিচিত:

ক) সূর্যালোক অঞ্চল খ) গোপূর্ণ অঞ্চল গ) পরিখা

8. সমুদ্রে সর্বাধিক জনসংখ্যার প্রাণীদের বলা হয়:

ক) মাছ খ) প্লাঙ্কটন গ) ক্রাস্টেসিয়ান ঘ) নিডারিয়ান

B. সংরক্ষণের জন্য সামুদ্রিক পরিবেশগত মনোভাব

1. বর্তমান দশক (২০২১-৩০) কে, রাষ্ট্রসংঘ 'সমুদ্র দশক' হিসেবে নির্বাচিত করেছে। আপনি কি ভারত মহাসাগর সম্পর্কে কিছু তথ্য জানতে আগ্রহী? আপনি কি তার জীবজগৎ-কে সংরক্ষণ করতে চান?

2. আপনি কি জানেন যে আপনার কাছাকাছি মহাসাগর/উপকূলগুলি অনেক সমস্যার সম্মুখীন হচ্ছে? কি সমস্যা, কোন ধারণা? লিখুন।

3. আপনি কি ইতিমধ্যেই কোন সংরক্ষণ গোষ্ঠী বা কার্যকলাপের অংশ?

4. কোন সমুদ্র সংক্রান্ত প্রকল্প/প্রবন্ধ/শিল্প প্রতিযোগিতা, যা আপনি আজ পর্যন্ত অংশ নিয়েছেন? যদি হয়, স্বল্প বিবরণ।

C: জনসংখ্যা সংক্রান্ত তথ্য

পুরুষ / মহিলা

বয়স:

মহাসাগর সাক্ষরতা

A: সাধারণ সামুদ্রিক পরিবেশগত জ্ঞান

সঠিক উত্তরে টিক দিন:

1. পৃথিবীর প্রায় কতটুকু অংশ মহাসাগর দ্বারা আবৃত?

ক) 31% খ) 51% গ) 71% ঘ) 91%

2. পৃথিবীর দ্বিতীয় বৃহত্তম মহাসাগরের নাম কি?

ক) আটলান্টিক মহাসাগর খ) প্রশান্ত মহাসাগর গ) ভারত মহাসাগর

3. পৃথিবীর মোট জলের আনুমানিক কত শতাংশ মহাসাগরে রয়েছে, অর্থাৎ লোনা জল?

ক) 34% খ) 52% গ) 72% ঘ) 97%

4. জোয়ারের কারণ কী?

ক) চাঁদ খ) সূর্য গ) চাঁদ এবং সূর্য

5. আমরা যে অক্সিজেন শ্বাস নিই তার 50 শতাংশেরও বেশি উৎপাদিত হয়েছে:

ক) সমুদ্রের আণুবীক্ষণিক উদ্ভিদ ফাইটোপ্ল্যাঙ্কটন

খ) সমস্ত গাছপালা সহ রেইন ফরেস্ট

গ) কেবল, আইরিশ মস এবং সমুদ্রের তীরে সামুদ্রিক শৈবাল

6. বায়ুমণ্ডল থেকে কার্বন ডাই অক্সাইড শোষণের জন্য মহাসাগর দায়ী। যদি সমুদ্র খুব বেশি কার্বন ডাই অক্সাইড শোষণ করে তবে কী হবে?

ক) সমুদ্রের তাপমাত্রা একই থাকে

খ) জলে ক্ষার বেশি থাকে

গ) সমুদ্র খুব অম্লীয় হয়ে ওঠে

7. বিজ্ঞানীরা বিশ্বাস করেন যে সমুদ্রের বেশিরভাগ সামুদ্রিক জীবন উষ্ণ পৃষ্ঠের জলে 0-200 মিটারে ঘটে। এই অঞ্চলটি _____ নামেও পরিচিত:

ক) সূর্যালোক অঞ্চল খ) গোপূর্ণ অঞ্চল গ) পরিখা

8. সমুদ্রে সর্বাধিক জনসংখ্যার প্রাণীদের বলা হয়:

ক) মাছ খ) প্ল্যাঙ্কটন গ) ক্রাস্টেসিয়ান ঘ) নিডারিয়ান

B. সংরক্ষণের জন্য সামুদ্রিক পরিবেশগত মনোভাব

1. বর্তমান দশক কে রাষ্ট্রসঙ্ঘ কি দশক হিসেবে নির্বাচিত করেছেন?
2. আপনি এই কর্মশালা কতোটা উপভোগ করেছেন?
3. আপনি এই কর্মশালা থেকে মহাসাগর সংক্রান্ত কোন কোন সমস্যা সম্পর্কে অবগত হলেন?
4. আপনি সবথেকে বেশি কোন বিভাগে অংশগ্রহণ করে সমৃদ্ধ হয়েছেন?

C: জনসংখ্যা সংক্রান্ত তথ্য

পুরুষ / মহিলা

বয়স:

'Beyond the Waves' Ocean Literacy Workshop

Teachers' Survey Form

Date: 28. 06. 2024

1. As an educator, how confident are you that the workshop efficiently delivered on the learning objectives?

- a) Very Confident
- b) Confident
- c) Less Confident
- d) I am not satisfied with the course structure

2. If not satisfied or less satisfied with the course structure, please explain honestly.

Your answer:

3. How do you self-assess the level of your ocean-climate literacy knowledge?

- a) Very aware
- b) Aware
- c) Less aware
- d) No relevant knowledge

4. Which 'mode of learning' can influence student's mind the most? (You can choose more than one)

- a) Audio-Visual Effect

- b) Presentations (Without Audio)
- c) Field work
- d) Group Discussions
- e) Board work only

5. What are the biggest barriers of the students in this region to perform a voluntary work? (You can choose more than one)

- a) Lack of motivation
- b) Lack of proper guidance
- c) Lack of financial support

6. How would you rate your overall experience for this workshop in a scale of 1 to 10? [where, 1 refers to not at all satisfied and 10 refers to extremely satisfied]

Please write the number here:

7. Do you have any suggestions for our Ocean Literacy Team? Please brief here.

Your feedbacks are valued and will be confidentially kept in our database.

This survey will help us to understand different perspectives of local educators and how we can work collaboratively for the betterment of our Ocean. Thank You.

VIVEKANANDA VIDYANIKETAN HIGH SCHOOL (H.S)

Ocean Literacy Workshop "Beyond the Waves"

Class VII

Sl.no	Name of Students	Students Signature
1	SOURASHIS MIDYA	<i>[Signature]</i>
2	YESHITA MAITI	<i>Yeshita Maiti</i>
3	TIYAS DALAPATI	<i>Tias Dalapati</i>
4	NANDITA MAITI	<i>Nandita Maiti</i>
5	SOHAM GAYEN	<i>Soyen.</i>
6	SUBHASHREE MAL	<i>Subhashree Mal</i>
7	SHIR JANA	<i>Shri Jana</i>
8	SUDIPTA ADAK	<i>[Signature]</i>
9	SUPARNA MAL	<i>Suparna Mal</i>
10	SHREYA MONDAL	<i>Shreya Mondal</i>
11	SOUMILI MONDAL	<i>Soumili Mondal</i>
12	SOUMEN PRAMANIK	<i>Soumen Pramanik</i>
13	SRESTHA DAS	<i>Srestha Das</i>
14	TANUSHRI PRAMANIK	<i>Tanushri Pramanik.</i>
15	PURNIMA MUNIAN	<i>Purnima Munian</i>
16	SUDIPTAA BAR	
17	SUKANYA RANJIT	<i>Sukanya Ranjit.</i>
18	SRIJA GIRI	<i>Srija Giri</i>
19	RITAM JANA	<i>Ritam Jana</i>
20	ANURADHA JANA	<i>Anuradha Jana</i>
21	SUBHAMAY DAS	<i>Subham Das</i>
22	BIDISHA BERA	<i>Bidisha Bera</i>
23	CHANDRANSU DAS (NEW)	<i>Chandransu Das</i>
24	AYAN PRAMANIK RANA	<i>Ayan Rana</i>
25	SK HABIBUR RAHAMAN	<i>Sk Habibur Rahaman</i>
26	PRALAY DAS	<i>PRALAY Pradyadhan</i>

27
M - 11
F - 305 15

Soumen Prad
ELSF 12/1/24

S. Bhattacharya
12/01
FICER MUSA

*Vivekananda
Vidyanniketan
High School (H.S)*
[Signature]
12/01/24

27. Sk. Mursalin

Sk. Mursalin

VIVEKANANDA VIDYANIKETAN HIGH SCHOOL (H.S)

Ocean Literacy Workshop "Beyond the Waves"

Class VIII

Sl.no	Name of Students	Students Signature
1	SUNITA SAMANTA	Sunita Samanta
2	SAYANTIKA JANA	Sayantika Jana
3	KASHMIRA KHATUN	Kashmira Khatun
4	PALLABI DAS	Pallabi Das
5	SOMPRI TI PRAMANIK	Sompri ti Pramanik
6	KOUSIK DAS	Kousik Das
7	SUSMITA BAR	Susmita Bar
8	SUKANYA MAITY	Sukanya Maity
9	CHANDRANI DAS	Chandrani Das
10	ARNAB BHUNIA	Arnab Bhunia
11	SNEHA DAS	Sneha Das
12	SHAFIQ KHAN	Shafiq Khan
13	MADHURIMA MONDAL	Madhurima Mondal
14	TAMALIKA MAITI	Tamalika Maiti
15	SURAJIT SAMANTA	Surajit Samanta
16	SHREYASI SINHA	Shreyasi Sinha
17	ARPAN MAITI	ARPAN MAITY
18	SUPARNA SASMAL	Suparna Sasmal
19	DEBASREE BAG	Debasree Bag
20	NAJIRA KHATUN	Najira Khatun
21	SAHELI DAS	Saheli Das
22	SUNITA PAUL	Sunita Paul
23	ADITI DAS	Aditi Das
24	SAYANTANI BERA	Sayantani Bera
25	TRISHA DAS	Trisha Das
26	SRIJAMA DAS	Srijama Das
27	ISHITA PRAMANIK	Ishita Pramanik
28	ANIRUDDHA DAS (NEW)	Aniruddha Das

M - 6
F - 22

Soun Paul
ECSF 12/7/24

S. Shattachya
12/07 FUGRO INDIA

Vivekananda Vidyaniketan
High School (H.S)

12/7/24

VEKANANDA VIDYANIKETAN HIGH SCHOOL (H.S)
Ocean Literacy Workshop " Beyond the Waves"

Class IX

Sl.no	Name of Students	Students Signature
1	SHUVASHREE MAITY	Shuvashree Maity
2	SNEHA MAJHI	Sneha Majhi
3	DIPIKA JANA	Deepika Jana
4	SRIJANI MONDAL	Srijani Mondal
5	SOUMILI NATH	Saumili Nath
6	NANDINI SAMANTA	Nandini Samanta
7	MAIMUNA KHATUN	Maimuna Khatun
8	ANUSKA GAYEN	Anuska Gayen
9	PRITIMAYI GIRI	Pritimoyee Giri
10	SAHELI MONDAL	Saheli Mondal
11	SURANJANA MANNA	Suranjana Manna
12	SUPRIYA MANDAL	Supriya Mandal
13	ANKITA DALUI	Ankita Dalui
14	ARPITA DAS	Arpita Das
15	ANUPAMA PATRA	Anupama Patra
16	SUPRIYA BARIK	Supriya Barik
17	ANU DAS	Anu Das
18	SUPARNA MANDAL	Suparna Mandal
19	ANKITA PRAMANIK	Ankita Pramanik
20	SULEKHA ADHIKARI	Sulekha Adhikari
21	JOHAINA KHAN	Johaina Khan
22	ADIT MANDAL	Adit Mandal
23	SAYANTI MAITY	Srayanti Maity
24	SAPTARSHI JIT	Saptarshi Jit
25	SUDIPTA HALDER	Sudipta Halder
26	ANUPAM MANDAL	Anupam Mandal
27	SHIRSHENDU SHEKAR MIDYA	Shreshendu Shekar Midya
28	BYASDEB SHAU	Byasdeb Shaw
29	ASHRAFUL ISLAM KHAN	Ashraful Islam Khan
30	SUDIPTA JANA	Sudip Jana
31	SUBRATA DAS	SUBRATA DAS
32	AVIJIT GIRI	Avijit Giri
33	SHUBHANKAR DAS	Subhankar Das
34	HIRAN MUNIYAN	
35	SOUVIK DAS	Soubhik Das
36	MANJUR ALAM	Manjia Alam
37	SHUVAWIP DAS	Shubhadip Das
38	SUDIP GAYEN	Sudip Gayen
39	CHANDAN MAITY	Chandhan Maity
40		

F - 23
M - 16

32

Sourav Paul
ECSF 12/7/24

S. Bhattacharya
12/7/24

FUGRO INDIA

Vivekananda Vidyaniketan
High School (H.S)

Sam F6 (H.M)
12/7/2024

VIVEKANANDA VIDYANIKETAN HIGH SCHOOL (H.S)

Ocean Literacy Workshop " Beyond the Waves"

Class X

Sl.no	Name of Students	Students Signature
1	PRERANA DAS	Prerana Das
2	AYANTIKA MAITI	Ayantika Maiti
3	GAYATRI GAYEN	Gayatri Gayen
4	NANDITA DAS	Nandita Das.
5	SANCHALI DAS	Sanehali Das
6	SUKANYASREE TIYARI	Sukanya Sree Tiaryi
7	ANIMESH PRADHAN	Animesh Pradhan
8	PRIYASHNU DEY	Priyashnu De
9	SOUMILI MAITY	Soumili Maity
10	BRISTI MISHRA	Bristi Mishra
11	PAYAL PATRA	Payal Patra
12	HIRAK KANTI DAS	Hirak Kanti Das
13	JOYJIT JANA	Joyjit Jana
14	HASI DAS	Hasi Das
15	SIDDHARTHA NASKAR	Siddhartha Naskar
16	RAJASREE MANDAL	Rajasree Mandal
17	TRISHA PATTANAYEK	Trisha pattanayek
18	SAYANI SANTRA	Sayani Santra
19	SANIYA KHATUN	Saniya Khatun
20	MEHEBUB ALAM	Mehebab Alam
21	DEBASISH SAMANTA	Debasish Samanta
22	SOMASHREE SHEET	Somashree sheet
23	SOUMILI MAITY	Soumili Maity
24	SONALI DAS	Sonali Das

M - 7

F - 17

Soumi Paul
ELSF 12/07/2024

S. Bhattacharya
12/07 FUGRO INDIA

Vivekananda Vidyaniketan

H.S. School (H.S)

12/07/2024



fugro



CERTIFICATE of Completion

This is to certify that

of Vivekananda Vidyaniketan High School, Sagar Island, has successfully completed **'Beyond the Waves'** a workshop on ocean-climate education and conservation, organized by Estuarine and Coastal Studies Foundation on _____ July, 2024 at Sagar Island, West Bengal, India, as a part of the Corporate Social Responsibility (CSR) initiative of the FUGRO

Dr. Sourav Paul
Director, ECSF

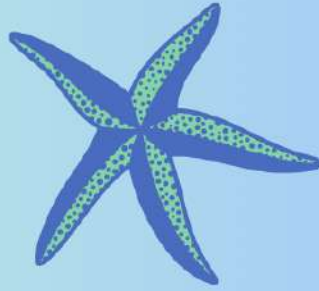
Ms. Debarati Sengupta
OL Coordinator, ECSF

Mr. Byomkesh Sinha
Headmaster, VVHS





FUGRO



NOTEBOOK

planner

'BEYOND THE WAVES'

A workshop on ocean climate education & conservation

Sagar Island, WB, India
12 July, 2024