

**Beyond Campus
Environmental
Promotional
Activities**



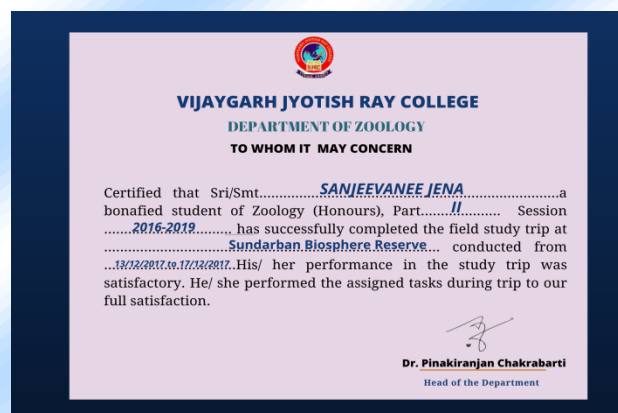
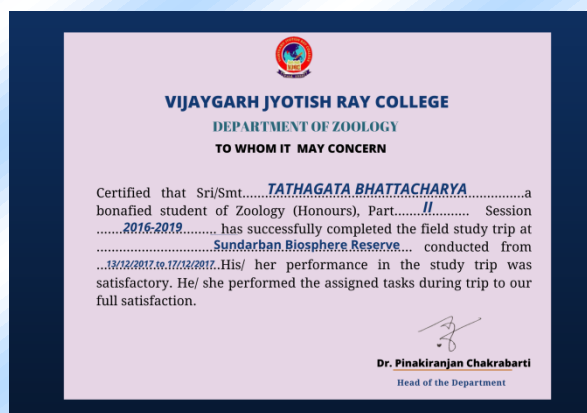
Beyond campus environmental promotional activities

YEAR 2017-18

Field Trips by dept of Botany and Zoology:



Field trip to Sundarbans 2017-18



Rajyanti Nayak

Principal
Vijaygarh Jyotish Ray College
Kolkata-700 032



An excursion to A.J.C. Bose Indian Botanic Garden, Shibpur was held on 04.12.2017 with around 40 students of 2nd year botany honours and general stream along with 3rd year general stream. They visited CNH and Charak Garden along with the flora conserved in the garden.



A local excursion was held on 24.02.2018 to Subhasgram and adjoining area with around 15 students of 2nd year honours stream. They observed various Angiospermic plants in their natural habitat and collected angiospermic specimens

“Plastic Free Awareness Campaign” on 15th june 2017 to inform the local communities of Taj-sporting club Ward no-94, Lake Gardens, about the ill-effects of Plastic waste pollution on Environment and Human health.



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No of NSS Volunteer:

- | | |
|--------------------------------|----------------------------------|
| 1. RUMA PAUL 9748566036 | 10. Somnath Ray 8777538133 |
| 2. AVISHEK MONDAL 6291637898 | 11. Debanjana Debnath 7980712171 |
| 3. ATASHI MONDAL 9330109887 | 12. Prasun Mandal 7003079646 |
| 4. APARNA NASKAR 7044183010 | 13. Sanju Das 9804175117 |
| 5. Tapash Naskar 7003282267 | 14. Riya Biswas 7439067038. |
| 6. Dipankar Dhali 6397221059 | 15. Debanjana Debnath 7980712171 |
| 7. Babli dey Sarkar 6290564748 | 16. Prasun Mandal 7003079646 |
| 8. Somnath Bhowmik 7980742321 | 17. Sanju Das 9804175117 |
| 9. Arijit Dey 9123080472 | 18. Riya Biswas 7439067038 |

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YEAR 2018-19

1. Celebration of World Environment Day by Science City and Mother Earth Foundation through various environment friendly activity and awareness programmes such as plantation of trees. The NSS unit of VJRC took active part in this programme.

List of students participated are- Sagar Pal, Priti Mukherjee, Santanu Malik, Trina Roy, Asha Pal, Uma Mondal, Sanu Das, Goutam Debnath, SubhamJatua.




2. **Field trips** organized by dept of Zoology for generating environmental consciousness among students



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VIJAYGARH JYOTISH RAY COLLEGE
DEPARTMENT OF ZOOLOGY
TO WHOM IT MAY CONCERN

Certified that Sri/Smt. INDRANI MODAK a bonafied student of Zoology (Honours), Part.....II..... Session 2016-2019..... has successfully completed the Environmental Audit at trip atChilkigarh,Kanak,Durga,Bindiversity,Heritage Site..... conducted from 26/12/2018 to 27/12/2018.....His/ her performance in the study trip was satisfactory. He/ she performed the assigned tasks during trip to our full satisfaction.


Dr. Pinakiranjan Chakrabarti
Head of the Department


VIJAYGARH JYOTISH RAY COLLEGE
DEPARTMENT OF ZOOLOGY
TO WHOM IT MAY CONCERN


Certified that Sri/Smt. SUBHENDU MOULI a bonafied student of Zoology (Honours), Part.....II..... Session 2016-2019..... has successfully completed the Environmental Audit at trip atChilkigarh,Kanak,Durga,Bindiversity,Heritage Site..... conducted from 26/12/2018 to 27/12/2018.....His/ her performance in the study trip was satisfactory. He/ she performed the assigned tasks during trip to our full satisfaction.


Dr. Pinakiranjan Chakrabarti
Head of the Department


VIJAYGARH JYOTISH RAY COLLEGE
DEPARTMENT OF ZOOLOGY
TO WHOM IT MAY CONCERN

Certified that Sri/Smt. SAYAN MONDAL a bonafied student of Zoology (Honours), Part.....III..... Session 2016-2019..... has successfully completed the field trip atKrishi,Vuxaan,Kendra,Ramkrishna Mission, Narendrapur, West Bengal..... conducted on 08/02/2019.....His/ her performance in the study trip was satisfactory. He/ she performed the assigned tasks during trip to our full satisfaction.


Dr. Pinakiranjan Chakrabarti
Head of the Department

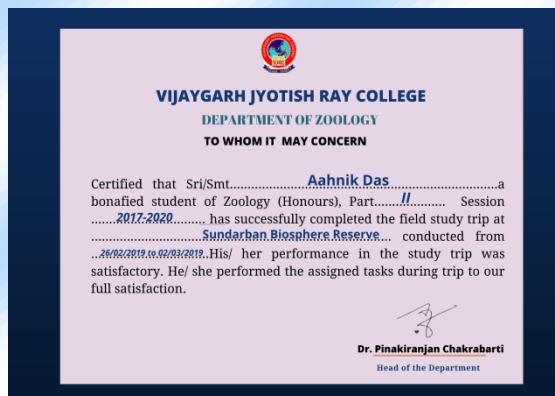

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TO WHOM IT MAY CONCERN

Certified that Sri/Smt. KOYEL JANA a bonafied student of Zoology (Honours), Part.....III..... Session 2016-2019..... has successfully completed the field trip atKrishi,Vuxaan,Kendra,Ramkrishna Mission, Narendrapur, West Bengal..... conducted on 08/02/2019.....His/ her performance in the study trip was satisfactory. He/ she performed the assigned tasks during trip to our full satisfaction.


Dr. Pinakiranjan Chakrabarti
Head of the Department

Rajjani Roy

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Vijaygarh Jyotish Ray College
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3. "Fostering sustainable green"- a short documentary, directed by Ritabrita Maity, a student of madd on certificate course on filmmaking and television production under the department of Journalism and mass communication won the second prize in International Science Literature and Film Festival, 2019 organized by Vigyan Prasar at Lucknow.



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**CHANDIGARH
UNIVERSITY**
Discover. Learn. Empower.



VIGYAN PRASAR
Department of Science & Technology
Government of India



is awarded to the film FOSTERING SUSTAINABLE GREEN
Directed by RITABRITA MAITY
Produced by DEPT. OF JOURNALISM AND MASS COMMUNICATION,
VIJAY GARH JYOTISH RAY COLLEGE
under the

CATEGORY - OUT OF BOX

Films by College students
in the 9th National Science Film Festival of India
during 27 - 31 January 2019 at Chandigarh University, Mohali.

Prof. (Dr.) R. S. Bawa
Vice Chancellor
Chandigarh University

Dr. Sanjeet Singh
Co-Convenor, 9th NSFFI-2019
Chandigarh University

Nimish Kapoor
Convenor, 9th NSFFI-2019
Vigyan Prasar

Dr. Nakul Parashar
Director
Vigyan Prasar

Rajyanti

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YEAR 2019-20

1. Botanical Excursion: Botanical Excursion was held on 8.11.19 at The Acharya Jagadish Chandra Bose Indian Botanic Garden. 25 VJRC, Botany Honours students (1st&3rd Sem) were guided by teachers. They saw Great Banyan Tree (largest tree in the World), Orchid, Palm houses along with Central National Herbarium (C.N.H.).



2. Science Fair, 2019, Kolkata District. Students of the Dept. of Microbiology of VJRC participated in the Science Fair, 2019 Kolkata District Level organized by Birla Industrial and Technological Museum, Kolkata on 25.09.2019-26.09.2019. The theme was "Innovations to Save Environment"



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3. Janata Solar ATM

This film was screened in the festival at Satyajit Ray Film and Television Institute, Kolkata on 07.11.19, made by the Science Innovation Centre, VJRC. The film was awarded certificate of merit by Vigyan Prasar, DST, in 5th India International Science Film Festival



4. Botanical Excursion was held on 8.11.19 at The Acharya Jagadish Chandra Bose Indian Botanic Garden. 25 VJRC, Botany Honours students (1st&3rd Sem) were guided by teachers. They saw Great Banyan Tree (largest tree in the World), Orchid, Palm houses along with Central National Herbarium



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YEAR 2020-21

Beyond campus environmental promotional activities

1. Hon'ble Principal, Vijaygarh Jyotish Ray College, Dr. Rajyasri Neogy has participated in International Science Film Festival of India with her excellent film "An Ambiguous Voyage"

To inform general people about the judicious use of renewable resources and sustainable development an attempt has been made in this film.

As we know that Marine resources are renewable resources, people living along the coastal area depend on these resources for their livelihood. Among these the most significant profession is Marine fishing. Crores of people living along coastal areas depend on Marine fishing for their livelihood. Sometimes for over greediness of people, sometimes due to distressed economic condition

Marine fisherman trying to harvest more than what is actually to be harvested. In this way due to over harvesting or overfishing Marine fisheries resources are depleting in India and in West Bengal too. In this film an attempt has been made to make general people aware about the judicious use of environmental resources. In other words, to educate the general masses, students about the environment, to make them understand that without the environment we will be nowhere.

Science for Self-Reliant India and Global Welfare

“आत्मनिर्भरभारताय विश्वकल्याणाय च विज्ञानम्”

INDIA INTERNATIONAL SCIENCE FESTIVAL 2020

Largest Science Festival on Virtual Environment

Title of Film
An Ambiguous Voyage

Director
Dr. Rajyasri Neogy

Official Selection
INTERNATIONAL SCIENCE FILM FESTIVAL OF INDIA

22-25 DECEMBER 2020

MINISTRY OF SCIENCE AND TECHNOLOGY
MINISTRY OF HEALTH & FAMILY WELFARE
GOVERNMENT OF INDIA

FOR MORE DETAILS: www.scienceindiafest.org | Email: filmfestival@scienceindiafest.org

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2. A Film by Dr Abhijit Das, Dept. Of Economics, "Beyond the veil": a film on Socio-economic impact of groundwater arsenic pollution.



Name of the Project: RESTORATION OF AQUACULTURE OF PONDS

Location: Patharpratima Block, Sunderban, S-24 Paragana(s)

Brief: Vijaygarh Jyotish Ray College, its collaborative partner Nature Mates Nature Club (a govt. approved NGO in Kolkata) along with Lumentas Life Science (a non-govt. registered company in Kolkata) are engaged in providing aquaculture feed supplements and water treating agents and consultation for effective restoration of ecological balance in aquaculture ponds in above mentioned areas of Sunderban, which was severely affected by the super cyclonic storm Amphan, on 16th May, 2020.

Scenario: Due to the storm the household ponds and aquaculture ponds of the said region were devastated due to salt water flood, high tide and other external contaminations. This results in havoc disruption of aquatic ecosystem including death of fish and distortion of water quality. Though none of these ponds were used for drinking purpose but the general quality of those

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ponds were worsened due to several factors, predominantly- sweeping increase in salinity, high pH , increased pathogenic bacterial load, ammonia deposition, dissolved oxygen shortage, and increased hardness of the water.

Activity: After gathering the individual and thorough data of the affected ponds, collected from the area, an initiative was taken by the Nature Mates Nature Club to revive the normal conditions and water quality of the ponds and to bring back them able to execute aquaculture in association with VijaygarhJyotish Ray College and Lumentas Life Science.

Initially, initiatives were taken to reduce excess alkalinity, abnormal pH, increased hardness and other general contaminants including leaves, plastics and household wastes. Also, water samples and pond soil samples were collected and tested in the laboratories of Dept. of Microbiology, VijaygarhJyotish Ray College, for any abnormal microbial loads.

In order to bring back the normal condition at first 20-50% of water from the ponds were drained out depending upon the condition. Next the ponds were treated with aquaculture grade zeolite to improve the water quality along with the pond bed soil condition. Rigorous netting and application of zeolite helped to decrease the absorbed ammonia, H_2S and other toxic gases from the water and pond bed.

After this, certain non-antibiotic chemicals were applied to reduce the pathogenic bacterial and viral load from the water. This precautionary measure was taken to reduce the chance of future mortality of fish pin/larvae.

The chemical parameters were then measured of every pond. Even after these treatments some ponds were showing low concentration of dissolve oxygen. For these situations further treatment was done by oxygen generating agents and with EDTA to increase and stabilize the concentration of oxygen in the ponds. As a last method certain ponds were provided mineral powder and Lactobacillus sp. To increase the plankton level and reestablished the primary aquatic eco system.

News of this project was published as an article in Times of India on Feb 15, 2021.

Link of the said TOI article: <https://timesofindia.indiatimes.com/city/kolkata/salinity-check-erosion-mapping-for-sunderbans-eco-restoration/articleshow/80913959.cms>



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Agreement with Nature Mates Nature Club:



पश्चिम बंगाल WEST BENGAL

AD 497115

COLLABORATION AGREEMENT

This agreement is entered into by the IQAC of Vijaygarh Jyotish Ray College (Institution), 8/2 Bijoygarh, Kolkata- 700032 and Nature Mates Nature Club (Organization), 6/7 Bijoygarh, Kolkata- 700032

The purpose of this Agreement is to develop academic, educational and society outreach collaboration through resource sharing between the two Institutions and strengthening professional relations between the departments/institutions.

1. Internal Quality Assurance Cell of the Institution and the Organization undertake to promote and develop cooperation with various activities such as those listed below on the basis of equality and reciprocity:

- 1.1. Exchange and sharing of human resource (Academic) of both the institution and the organization;
- 1.2. Hosting seminars, talks, panel discussions and extension activities for academic excellence jointly by the Institution and the Organization;
- 1.3. Human resource of both the institution and the organization will have equal access to quality enhancement programmes organised at both the institutions and the organization.

2. It is understood that implementation of any of the type of cooperation stated in clause 1.2 mentioned above shall depend upon the availability of resources and financial support at the institution and the organization concerned.

3. This Agreement shall remain in force for three years if either the institution or the organization does not terminate it by a minimum of a six month's written notification to the other institution or organization.
4. This agreement may be extended after discussion by the representatives of both the institution and the organization.
5. The agreement may at any time be revised or modified, by mutual consent, within the period agreed upon by way of clause 4 mentioned above.
6. This agreement shall enter into force upon signature of the following persons:

For Vijaygarh Jyotish Ray College

For Nature Mates Nature Club

<i>Rajyasri Neogy</i>	<i>Prasenjit Das</i>	<i>Arjan Basu Roy</i>	<i>Devsena Roychaudhury</i>
Signature	Signature	Signature	Signature
Dr. Rajyasri Neogy	Dr. Prasenjit Das Dr. Sampa Debnath	Arjan Basu Roy	Devsena Roychaudhury
Name	Name	Name	Name
Principal	Joint IQAC Coordinators	Secretary	Treasurer
Designation	Designation	Designation	Designation
27.11.2020	27.11.2020	27.11.2020	27.11.2020
Date	Date	Date	Date
	IQAC Co-ordinator VIJAYGARH JYOTISH RAY COLLEGE KOLKATA-32	NATURE MATES-NATURE CLUB KOLKATA-32	Nature Mates Nature Club
	<i>Prasenjit Das</i>	<i>Arjan Basu Roy</i>	<i>Devsena Roychaudhury</i>
	Secretary	Treasurer	

Rajyasri Neogy

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YEAR 2021-22

Celebration of World Environment Day

<https://twitter.com/vjrasmc/status/1406922053869920256>: NSS Unit of VJRC has celebrated World Environmental Day through "brikkhoropon" (plantation of trees) on 05.06.2021.



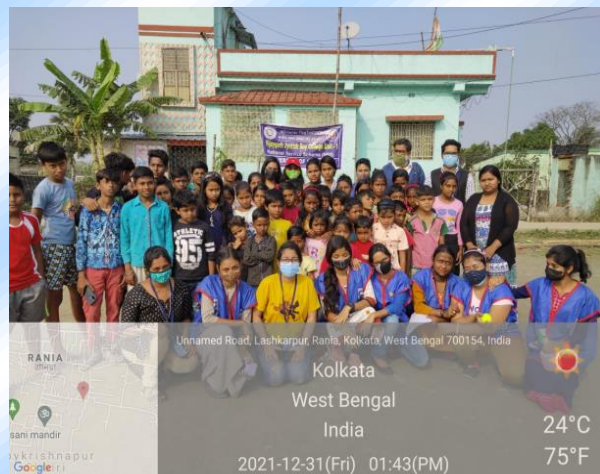
Helping flood affected people in Sundarban



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2. Awareness camp on eco-friendly products, pesticides, etc, on 31.12.2021 under the scheme of Unnat Bharat Abhiyaan.



3. A Field Visit on 16.02.2022 to have an idea about the cultivation of crops at Sasya Shyamala Krishi Vigyan Kendra, R. K. Mission Vivekananda Educational and Research Institute, Arapanch, Sonarpur.



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4. World Water Day 2022 was observed about awareness of water conservation in the locality of Bejoygarh.



5. Intercollege Quiz Competition, Interschool Online Poster Making Competition & Hands-on training to maintain the butterfly garden on the occasion of World Environment Day



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6. VJRC & Nature Mates-Nature Club hosted a seminar on 'Wildlife Beyond Boundaries' on 21.05.22 to celebrate World Biodiversity Day.



7. Department of Botany, VJRC had organized a Long Educational Excursion cum Field Trip to Bakkhali & Henry Island from 7th-8th April 2022 with 21 Hons. Students (4th & 6th Sem), to study the local flora in the diff. phytogeographical region & for collection of data on forest cover.



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