

**Government of West Bengal**  
**Department of Science & Technology and Biotechnology (DSTBT)**  
**Vigyan Chetana Bhavan, Block-DD, Plot-26/B,**  
**Sector-I Salt Lake, Kolkata-700064**

**Application Format for Science Popularization Programme**

1. Programme Type (ref SN 11 of the Memorandum): Seminar
2. Title of the proposed Programme: Pollution Control, Sea Surface Temperature & Oceanic Pollution
3. Target Group (Faculty, Teacher, Research Scholar, School/College/ University Student, Community): College Student
4. Duration (days): 2 days.; Tentative Dates of the proposed Programme: 5th March-6th March
5. Aims, Objectives and Details of the Programme (attach separate sheet, if necessary):

**Aim of the Seminar:** To create awareness and understanding different kinds of pollution, including air, water and soil especially concerning pollution control measures, changes in sea surface temperature, and the growing issues of oceanic pollution. This seminar focuses on highlighting how human activities affect air, water, and soil quality, marine environments. It will encourage students to become responsible towards environment and to follow sustainable practices for environmental protection.

**Objectives of the Seminar:** 1) Discuss the concept and sources of different environmental pollution and the need for pollution control.

2) Explain various pollution control strategies and technologies used to reduce environmental damage.

3) To understand the importance of sea surface temperature and its role in climate change and marine ecosystems.

4) To examine the causes and impacts of increasing sea surface temperature due to global warming.

5) To analyze different types of oceanic pollution and their effects on marine life and human health.

6) To promote awareness about sustainable solutions and policies for protecting oceans and the environment.

**Details of the Seminar**

The seminar will start with an introduction to environmental pollution, focusing on air, water, and soil pollution caused by industrialization, urbanization, and improper waste management. Then, different types of air and water pollutants. This will be followed by the importance of pollution control discussion, along with various control measures such as waste treatment methods, devices for air pollution control, and environmental regulations aimed at minimizing pollution at its source. The next session will cover Sea Surface Temperature, explaining its meaning and importance in regulating weather patterns, monsoons, and ocean circulation. The seminar highlighted how rising sea surface temperatures, mainly due to greenhouse gas emissions and climate change, are leading to coral bleaching, changes in marine biodiversity, and an increase in extreme weather events such as cyclones. The final part of the seminar focused on oceanic pollution, including plastic pollution, oil spills, chemical waste, and sewage discharge. The adverse effects of ocean pollution on marine organisms, food chains, and coastal communities will be discussed in detail. Special attention on microplastics and their long-term ecological and health hazards.

The seminar will be concluded with a discussion on preventive and control measures, such as reducing plastic usage, promoting recycling, strengthening international marine pollution

laws, and encouraging public participation in ocean conservation. The need for collective responsibility and sustainable development.

6. Name, Designation, Postal Address, mobile no. and e-mail id of the (only one) Programme Co-ordinator (PC) (attach separate sheet, if necessary):

Name: Taposi Chatterjee, Designation: Assistant Professor, Postal Address: 1/1, Service Rd, DG Block(Newtown), Action Area I, Newtown, Chakpachuria, West Bengal 700156

7. Legal status of the Institute (School/College/ University/ Institute/ Polytechnic/ ITI/ Autonomous body/ registered NGO/ Trust etc.): College

8. Date wise detail Programme Schedule (attach separate sheet, if necessary): separate sheet attached

9. Collaborating Institutions/ Organizations, if any, with their specific contribution:

10. Expected number of participants and list of Resource Persons/ Invited Speakers: 50

11. Give details of the grant received from DSTBT in last three Financial Years, if any alongwith the date of submission of UC, Audited SoE, Report etc.: NO

12. Name and address of the authority to whom the allotted amount is to be credited (if sanctioned) who will also be responsible for submitting the UC, audited SoE, Programme Completion Report, Feedback, Still and Video photographs etc. of the grant:

Name: Taposi Chatterjee

Address: 1/1, Service Rd, DG Block(Newtown), Action Area I, Newtown, Chakpachuria, West Bengal 700156

13. Total Estimated Expenditure (**A**)/ Organisation's contribution (**B**)/ Contribution from any other sources (**C**) / Grant expected from DSTBT(**D**):

**D** : ₹..... = (**A**: ₹..... – **B**: ₹..... – **C**: ₹..... )  
(provide detail Budget break-up as per Annexure-I and Bank details as per Annexure-II):

**Check List (put tick) of attachments to be submitted with the application**

- a. Proposed Total Budget with break-up (Annexure-I) and Bank Details (Annexure-II) in Institute/ Organization's letter head: **YES**
- b. For registered NGO/ Trust, filled in Application Format recommended by the appropriate Recommending Authority, viz., Jt.BDO/ BDO/ SDO/ DM/ Executive Officer- Municipality/ Commissioner-Municipal Corporation as the case may be (where the programme is actually going to be held): **YES/NO**
- c. For registered NGO/ Trust, attested copies of the registration certificate, latest renewal certificate, Memorandum and Rules & Regulations of the Organization, last three years Audited Statement of Accounts, Annual Reports etc., List of recommended beneficiaries: **YES/NO**



## TECHNO INTERNATIONAL NEW TOWN

(Formerly known as Techno India College of Technology)

Block - DG 1/1, Action Area 1, New Town, Kolkata - 700156, West Bengal, India

Contact: +91-33-2324-2050/2090/2091 • <https://tint.edu.in> • [info@tint.edu.in](mailto:info@tint.edu.in)

### DECLARATION

Certified that the details furnished in the filled in format are correct to the best of our knowledge & belief and that the amount of financial assistance, if sanctioned, will be utilized for the purpose for which it is granted within the time as prescribed by DSTBT. We also undertake to abide by the General Guidelines and Terms & Condition prescribed by DSTBT and provide due coverage to DSTBT during the Programme and publications/ print and electronic media made from the Programme in future. We also declare that within one month after completion of the Programme we shall submit the Utilisation Certificate (UC), Audited Statement of Expenditure (Audited-SoE), Programme Completion Report, Feedbacks from the Participants, still and video photographs etc.

Signature:

Date: 15/12/2025

Name of Programme Coordinator:

Tapas Chatterjee

Designation: ASSISTANT PROFESSOR

Address: NEW TOWN, KOLKATA

(Office Seal)

Signature:

Date: 15/12/2025

Name of Head of the Institution:

DR. AYAN CHAKRABORTY

Designation: PRINCIPAL

Address:

NEW TOWN

KOLKATA

Dr. Ayan Chakraborty

Principal

Techno International New Town

Block DG-1/1, Action Area-1,

New Town, Kolkata-700156

### RECOMMENDATION

(only for registered NGO/ Trust)

Certified that the said Organisation is reputed in this field and I/ we recommend the said proposal for getting grant-in-aid from DSTBT, Govt of West Bengal for the benefit of the local College/ University Students/ Community etc.

Signature:

Date:

Name of Recommending Authority:

Designation:

Address:

(Office Seal)

ESTD. 2005



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Annexure-I

## Proposed Total Budget with break-ups

### A. Total Estimated Expenditure

Sl. No.	Items required with justification and rate	Total Expenditure (A) (₹)
1.	Honorarium to Resource Persons/ Experts	42,000
2.	Study materials, Consumables expenses	15,000
3.	Hall rent, if any	
4.	Publicity materials	3000
5.	Travel expenses	3000
6.	T.A. to the external Resource Persons/ Experts	5000
7.	Documentation expenses including audio-visual	12,000
8.	Light refreshments	15,000
9.	Auditors' fee	
10.	Other expenses, if any (please specify)	5,000
<b>Grand Total Expenditure (₹):</b>		<b>1,00,000</b>

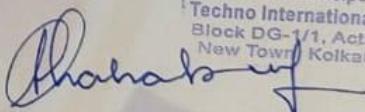
Please mention:

B. Institution/ Organization Contribution\* in 10000 ₹

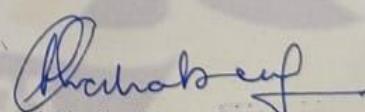
C. Contribution from any other sources (with name & Address) in ₹

D. Grant expected from DSTBT (₹) = (A-B-C) 95,000 /-

**Dr. Ayan Chakraborty**  
Principal  
Techno International New Town  
Block DG-1/1, Action Area-1,  
New Town, Kolkata-700156

  
Signature of Authorised Personnel with seal

If C= 0 Undertaking: This organization/ institution is not receiving any kind of financial assistance from any other sources

  
Signature of Authorised Personnel with seal **Dr. Ayan Chakraborty**  
Principal  
Techno International New Town  
Block DG-1/1, Action Area-1  
New Town, Kolkata-700156

\*At least 10% of the total budget contribution from the Institute/ Organization is desirable



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Annexure-II

## Bank details of the Applicant Organisation

Name of the Organization	TECHNO INTERNATIONAL NEW TOWN
Bank Account number & name of the Account holder/ Organization	925010035285497 BUSINESS INCUBATION CELL
Type of Account (Savings or Current A/c)	SAVINGS AC TRUST TYPE
Name of the Bank	AXIS BANK
Name of the Branch with Branch address	SEC-I, SALT LAKE, KOL-64
IFSC of the Branch	UTIB0005020
Mobile Number of the Programme Coordinator/ Head of the Organization	9382652214
PAN / TAN of the Account holder/ Organization	AAATT8588J

Signature of Authorised Personnel with seal

Dr. Ayan Chakraborty  
Principal  
Techno International New Town  
Block DG-1/1, Action Area-1  
New Town, Kolkata-700156

ESTD. 2005

## 8. Date wise detail Programme Schedule

### **Two-Day Seminar Programme Schedule**

**Programme Type: Pollution Control, Sea Surface Temperature & Oceanic Pollution**

#### **Day 1 – Date: 05.03.2026**

Theme of the Day: Pollution Control and Environmental Protection

Time	Programme Details
09:30 – 10:00 AM	Registration of Participants
10:00 – 10:30 AM	Inaugural Session • Welcome Address • Inauguration of the Seminar by MC
10:30 – 11:15 AM	<b>Keynote Lecture – I</b> Overview of Environmental Pollution and the Need for Pollution Control
11:15 – 11:30 AM	Tea Break
11:30 – 12:30 PM	<b>Technical Session – I</b> Sources of Air, Water, and Soil Pollution
12:30 – 01:15 PM	<b>Technical Session – II</b> Pollution Control Measures and Technologies
01:15 – 02:00 PM	Lunch Break
02:00 – 03:00 PM	<b>Expert Lecture – I</b> Role of Policies, Regulations, and Public Awareness in Pollution Control
03:00 – 03:15 PM	Interactive Session / Question–Answer Discussion
03:15 – 03:30 PM	Tea Break
3:30 – 3:40 PM	Closing 1 <sup>st</sup> Day Session

## **Day 2 – Date: 06.03.2026**

Theme of the Day: Sea Surface Temperature and Oceanic Pollution

Time	Programme Details
10:00 – 10:15 AM	Welcome address
10:15 – 11:15 AM	<b>Keynote Lecture – III</b> Sea Surface Temperature: Concept, Measurement, and Climatic Importance
11:15 – 11:30 AM	Tea Break
11:30 – 12:30 PM	<b>Technical Session – III</b> Impact of Rising Sea Surface Temperature on Marine Ecosystems
12:30 – 01:15 PM	<b>Technical Session – IV</b> Oceanic Pollution: Types, Sources, and Environmental Effects
01:15 – 02:00 PM	Lunch Break
02:00 – 03:00 PM	<b>Expert Lecture – II</b> Plastic Pollution, Oil Spills, and Marine Waste Management, Sustainable Solutions for Ocean Protection
03:00 – 03:15 PM	Interactive Session / Question–Answer Discussion
03:45 – 04:00 PM	Tea Break
04:00 – 04:30 PM	Valedictory Session • Feedback from Participants • Certificate Distribution
04:30 – 04:45 PM	Vote of Thanks & Conclusion