

**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): Workshop organized by college
2. Title of the proposed Programme: Venom to Vigilance – A Workshop on Snake and Insect Bite Management
3. Target Group (Faculty, Teacher, Research Scholar, School/College/ University Student, Community): Faculty, College Student, Community
4. Duration (days): .02; Tentative Dates of the proposed Programme: 10<sup>th</sup>-11<sup>th</sup> March, 2026
5. Aims, Objectives and Details of the Programme (attach separate sheet, if necessary):

**Workshop Details**

New Town, Kolkata, has experienced a growing number of incidents related to snake bite due to the presence of nearby wetlands and ongoing urban development. This proposed workshop aims to address the need for community awareness and evidence-based emergency response to venomous bites.

**Aims**

To aware the students and community members with practical skills for identifying and managing snake and insect bites in the New Town area. The workshop aims to reduce morbidity and mortality through timely intervention and appropriate treatment protocols.

**Objectives**

- i. Identify common venomous snakes and insects in the New Town and Greater Kolkata region
- ii. Recognize clinical signs and symptoms of envenomation from different species
- iii. Demonstrate proper first aid techniques and emergency stabilization measures
- iv. Implement prevention strategies for households and community spaces
- v. Being aware of tertiary care centers
- vi. Debunking common myths and misconceptions about bite management

**Workshop Content**

**Day 1**

**Session 1: Understanding Local Threats**

Regional snake species including common krait, Russell's viper, and cobra. Identification of medically important insects such as scorpions, wasps, and bees prevalent in New Town's ecosystem.

## Session 2: Clinical Assessment and Management

Systematic approach to bite victims, grading of envenomation severity, and appropriate treatment protocols. Emphasis on the "20-minute whole blood clotting test" and other bedside assessments.

## Session 3: First Aid and Emergency Response

Practical demonstrations of immobilization techniques, pressure bandaging, and what NOT to do. Case-based learning with real scenarios from local incidents.

## Day 2

### Session 4: Anti-venom Administration

Indications, contraindications, dosing protocols, and management of adverse reactions. Availability and accessibility of anti-venom in Kolkata hospitals.

### Session 5: Prevention and Community Action

Environmental modifications, protective measures for construction workers and residents, and creating bite-safe zones in residential complexes and schools.

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

Dr Arpita Chattopadhyay,  
Assistant Professor,  
Techno International New Town,  
New Town, Kolkata

Mobile No. – 9748249461  
email id – arpita.chattopadhyay@tict.edu.in

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):

## **Day 1: Assessment, Recognition & Emergency Management**

09:00 AM – 09:30 AM | **Registration & Welcome Tea**

09:30 - 09:45 AM | **Inaugural Session**

- Welcome address and workshop objectives
- Importance of bite management training in New Town

09:45 AM – 11:45 AM | **Session 1: Understanding Local Threats**

- Common venomous snakes of New Town and Greater Kolkata region
- Identification features: Common krait, Russell's viper, Cobra, and other species
- Medically important insects: Scorpions, wasps, bees, and spiders
- Ecological factors making New Town snake bite-prone
- Interactive species identification with photographs

11:45 - 12:00 | **Tea Break**

12:00 – 01:00 PM | **Session 2: Clinical Assessment and Management**

- Systematic approach to examining bite victims
- Clinical signs and symptoms of different envenomation types
- Grading severity of envenomation
- The 20-minute whole blood clotting test and bedside assessments
- Laboratory investigations and interpretation
- Case presentations from local incidents

1:00 PM - 02:00 PM | **Lunch Break**

02:00 - 03:30 PM | **Session 3: First Aid and Emergency Response**

- Immediate response at the bite scene
- Proper immobilization techniques (demonstration)
- Pressure immobilization bandaging - hands-on practice
- Critical "do's and don'ts" in first aid
- When to rush to hospital vs. observation
- Common myths: tourniquets, incision, suction, ice application

03:30 - 03:45 PM | **Tea Break**

03:45 - 05:15 PM | Session 4: Anti-venom Administration - Part 1

Types of anti-venom available in India

Indications for anti-venom therapy

Polyvalent vs. monovalent anti-venom

Pre-medication protocols

Administration techniques and dosing

## **Day 2: Advanced Management & Community Prevention**

09:00 - 09:15 AM | **Day 2 Opening & Day 1 Recap**

09:15 - 10:45 AM | Session 4 (Continued): **Anti-venom Administration - Part 2**

- Managing adverse reactions to anti-venom
- Anaphylaxis recognition and treatment
- Repeat dosing criteria
- Managing complications: acute kidney injury, compartment syndrome

- Availability and accessibility of anti-venom in Kolkata hospitals
- Referral networks and tertiary care coordination

10:45 - 11:00 AM | **Tea Break**

11:00 AM - 12:30 PM | **Session 5: Prevention and Community Action**

- Environmental risk assessment in New Town residential areas
- Snake-proofing homes and commercial complexes
- Protective measures for construction workers
- Creating bite-safe zones in schools and housing societies
- Community awareness campaign strategies
- When to call snake rescuers vs. emergency services
- Addressing common misconceptions in the community

12:30 - 01:30 PM | **Lunch Break**

01:30 - 03:00 PM | **Resource Distribution & Action Planning**

- Emergency contact numbers and referral pathways
- Treatment algorithms
- Community education materials
- Developing local response teams
- Follow-up and networking opportunities

03:00 - 03:30 PM | **Interactive Discussion**

- Participant questions and real-world challenges
- Small group discussions with case scenarios

03:30 - 03:45 PM | **Tea Break**

03:45 - 04:30 PM | **Valedictory Session**

- Certificate distribution
- Workshop evaluation and feedback
- Vote of thanks
- Group photograph

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

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

Number of participants: 60

**list of Resource Persons/ Invited Speakers:**

**Keynote:** Dr. Dayal Bandhu Majumdar (Kolkata awareness pioneer)

**Policy:** Dr. Pritam Roy

**Species Identification & Behavior:** Mr. Dhiman Bhattacharya (Herpetologist, specialized in snake behavior and Monoclad cobra)

**Innovation:** Mr. Saurabh Ray

**Local/Training:** Dr. Subhendu Bag + Mr. Saikat Sarkar

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.: N.A

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

Dr Arpita Chattopadhyay  
Assistant Professor,  
Department of Basic Science and Humanities  
Techno International New Town  
New Town  
Kolkata - 700156

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

D : ₹1,10,00 = (A: ₹1,25,000 – B: ₹15,000 – C: ₹0 )  
(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**

- Proposed Total Budget with break-up (Annexure-I) and Bank Details (Annexure-II) in Institute/ Organization's letter head: **YES**
- 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): **N.A**
- 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: **N.A**



# 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: *Arpita Chattopadhyay*

Date: 15.12.2025

Name of Programme Coordinator:

ARPITA CHATTOPADHYAY

Designation: Assistant Professor

Address: New Town,  
Kolkata

(Office Seal)

Signature: *Dr. Ayan Chakraborty*

Date: 15.12.2025

Name of Head of the Institution:

Ayan Chakraborty

Designation:

Address:

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

### A. Total Estimated Expenditure

| Sl. No.                             | Items required with justification and rate  | Total Expenditure (A) (₹) |
|-------------------------------------|---|---------------------------|
| 1.                                  | Honorarium to Resource Persons/ Experts<br>6 external faculty members @ 8000/-<br>(Keynote speaker (1), Resource personnels on Policy (1),<br>Innovation (1) and Local/Training (3))                            | 48,000                    |
| 2.                                  | Study materials, Consumables expenses<br>Participant handouts, treatment algorithms, emergency contact<br>cards, identification charts, stationery, folders, writing materials                                  | 20,000                    |
| 3.                                  | Hall rent, if any   |                           |
| 4.                                  | Publicity materials<br>Digital banners and Standee/flex boards = ₹2,000   | 2,000                     |
| 5.                                  | Travel expenses   |                           |
| 6.                                  | T.A. to the external Resource Persons/ Experts  | 8000                      |
| 7.                                  | Documentation expenses including audio-visual,<br>Professional photography and videography = ₹8,000<br>Editing and digital archiving = ₹4,000   | 12,000                    |
| 8.                                  | Light refreshments<br>Tea/coffee with snacks (2 breaks × 2 days × (60 participants+5 resource<br>person+5 helping hand)) @ ₹40 per head = ₹11,200<br>Lunch (2 days × 70 participants) @ ₹120 per head = ₹16,800 | 28,000                    |
| 9.                                  | Auditors' fee<br>Post-workshop audit and accounts reconciliation  | 3,000                     |
| 10.                                 | Other expenses, if any (please specify)<br>Certificate printing (60 nos.) @ ₹30 each = ₹1,800<br>First aid demonstration kit rental = ₹1,200<br>Miscellaneous and contingency = ₹1,000                          | 4,000                     |
| <b>Grand Total Expenditure (₹):</b> |   | <b>1,25,000</b>           |

### Please mention:

B. Institution/ Organization Contribution\* in ₹15,000

C. Contribution from any other sources (with name & Address) in ₹0

D. Grant expected from DSTBT (₹) = (A-B-C) = ₹ 1,10,000

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

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  
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\*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<br>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-1, 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