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

<u>Application for Science Popularization Programme</u>

1. Programme Type (ref SN 11 of the Memorandum): Workshop

2. Title of the proposed Programme:

   Cyber-Resilient Futures: Blockchain-Enabled Cyber Hygiene, Cyber Law and e-Governance

3. Target Group (Faculty, Teacher, Research Scholar, School/College/ University Student, Community): Faculty, Research Scholar, Officials, Students

4. Duration (days): 03; Tentative Dates of the proposed Programme: 5th-7th Feb., 2026

5. Aims, Objectives and Details of the Programme (attach separate sheet, if necessary):

   Aim: To develop awareness, skills, and practical knowledge among participants in cyber hygiene, blockchain-enabled security, and cybernetic self-regulating systems, enabling the design of secure and adaptive cyber-resilient infrastructures.

   Objectives:
   - Impart knowledge of cyber hygiene practices and frameworks.
   - Explain blockchain technologies for trust, security, and auditability.
   - Introduce cybernetics concepts for adaptive, feedback-driven cybersecurity.
   - Demonstrate integrated cyber-resilient architectures.
   - Engage participants through case studies, discussions, and interactive sessions.
   - Encourage research collaboration and practical applications.

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: Sourav Mahapatra
   Designation: Assistant Professor & Head of the Department, Information Technology
   Postal Address: Techno International New Town, Block - DG 1/1, Action Area 1, New Town, Kolkata - 700156
   Mobile No.: 9231563707
   Email: sourav.mahapatra@tict.edu.in

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

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

Date	Session Type	Title	Duration	Key Focus / Topics	Learning Outcome
	Lecture 1	Cyber Hygiene: Principles & Threat Landscape	1.5 hrs	Cyber hygiene basics, threats, human factors, best practices	Understand importance of cyber hygiene
05-02-2026	Lecture 2	Cyber Resilience Frameworks & Governance	1.5 hrs	NIST, ISO 27001, Zero Trust, incident response	Map hygiene to resilience frameworks

	Case Study	Ransomware Attack due to Poor Cyber Hygiene	45 mins	Unpatched systems, weak passwords, no backup	Identify hygiene failures and prevention
	Discussion	Why Cyber Attacks Still Succeed?	45 mins	Human error, policy enforcement, awareness gaps	Critical thinking on cyber failures
06-02-2026	Lecture 3	Blockchain Fundamentals for Secure Systems	1.5 hrs	Blockchain architecture, consensus, smart contracts	Understand blockchain security principles
	Lecture 4	Blockchain-Enabled Cyber Hygiene Applications	1.5 hrs	IAM, audit logs, IoT security, supply chain	Apply blockchain to cyber hygiene
	Case Study	Blockchain-Based Secure Healthcare Logging	45 mins	Tamper-proof logs, data integrity, accountability	Understand blockchain trust benefits
	Discussion	Is Blockchain Practical for Cybersecurity?	45 mins	Scalability, cost, privacy, adoption challenges	Evaluate real-world feasibility
07-02-2026	Lecture 5	Cyber Laws of India	1.5 hrs	Legal Recognition, E-Governance, IT Act, 2000	Understanding Cybercrime, Legal & Ethical Framework
	Lecture 6	Security on e-Governance	1.5 hrs	CIA, Threats, Defense	Understand Foundational Principles, Identify and Assess Threats
	Case Study	Ransomware attack	45 mins	Data Breaches & Privacy, Insider Threats	Escalating Cybercrime, Financial & Privacy Losses

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

AKCSIT, University of Calcutta

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

Expected number of participants: 60
List of Resource Persons/ Invited Speakers

1. Dr. Amlan Chakrabarti, Director, A.K.Choudhury School of Information Technology, University of Culcutta

2. Dr. Champak Bhattacharya, IPS(retd.), Director, Kolkata Police Law Institute, Lerned Mediator, Kolkata High Court

3. Dr. Ditipriya Sinha, Assistant Professor, NIT Patna

4. Mr. Kausik Haldar, WEBEL, Kolkata

5. Dr. Swagata Mondal, Assistant Professor, Jalpaiguri Government College of Engineering

6. Dr. Sucheta Chakrabarti, Retired Scientist, SAG, DRDO

11. Give details of the grant received from DSTBT in last three Financial Years, if any along with the date of submission of UC, Audited SoE, Report etc.: NA

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:

Mr. Sourav Mahapatra, Assistant Professor, Techno International New Town, Kolkata, West Bengal

13. Total Estimated Expenditure (**A**)/ Organisation's contribution (**B**)/ Contribution from any other sources (**C**) / Grant expected from DSTBT(**D**):
D : ₹ 101000 = (**A**: ₹ 116000– **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): NA
- 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: NA

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 & Conditions 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, Feedback from the Participants, still and video photographs etc.

Sourav Mahapatra

Signature:
Date: 15.12.2025
Name of Program Coordinator:
Sourav Mahapatra
Designation: Head of the Department, Information Technology.
Address:
Techno International New Town
Block - DG 1/1, Action Area 1
New Town, Kolkata - 700156

Signature:
Date: 15.12.2025
Name of Head of the Institution:
Prof. (Dr.) Ayan Chakraborty
Designation: Principal, Techno International New Town
Address:
Techno International New Town
Block - DG 1/1, Action Area 1
New Town, Kolkata - 700156

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

(Office Seal)

Annexure I:

Proposed Total Budget with break-ups

A. Total Estimated Expenditure

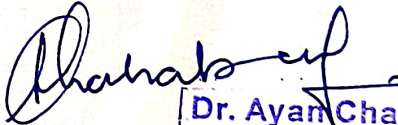| Sl. No.	Items required with justification and rate	Total Expenditure (₹)
1	Honorarium to Resource Persons / Experts	48000
2	Study materials, Consumables expenses	12000
3	Hall rent, if any	NA
4	Publicity materials	5000
5	Travel expenses	2000
6	T.A. to the external Resource Persons / Experts	12000
7	Documentation expenses including audio-visual	4000
8	Light refreshments	27000
9	Auditors' fee	1000
10	Other expenses, if any (please specify)	5000
	Grand Total Expenditure (₹)	116000

Please mention:

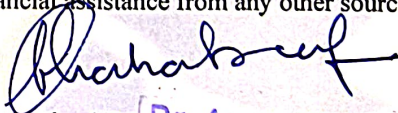B. Institution / Organization Contribution (₹): 15000

C. Contribution from any other sources (with name & address) in ₹: 0.0

D. Grant expected from DSTBT (₹) = (A – B – C): 101000

Dr. Ayan Chakraborty

Signature of Authorised Personnel with seal
Techno International New Town
Block DG-1/1, Action Area-1,
New Town, Kolkata-700~

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 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.

Annexure-II

Annexure II: Bank Details of Applicant Organization

Name of the Organization	TECHNO INTERNATIONAL NEW TOWN
Bank Account number & name of the Account holder/ Organization	925010035285497 TECHNO INTERNATIONAL NEW TOWN-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	9231563707
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