

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: Green Technologies in a Low-Carbon Economy
3. Target Group (Faculty, Teacher, Research Scholar, School/College/ University Student, Community): Faculty, Research Scholar, M. Tech Students, UG Students
4. Duration (days): 02; Tentative Dates of the proposed Programme: 29-30 January, 2026
5. Aims, Objectives and Details of the Programme (attach separate sheet, if necessary):
Details Attached
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. Bitan Misra, Assistant Professor, Department of Computer Science and Engineering, Techno International New Town. (*Details Attached*)
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): *Details Attached*
9. Collaborating Institutions/ Organizations, if any, with their specific contribution: NA
10. Expected number of participants and list of Resource Persons/ Invited Speakers: 60
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.: 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:
Dr. Bitan Misra, 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 : ₹1,34,000 = (A: ₹1,49,000– 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): **NO**
- 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: **NO**

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:

Designation:

Address:

Dr. Bitan Misra

Assistant Professor
Techno International

New Town, West

Bengal

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

(Office Seal)

Signature:

Date:

Name of

Head of the

Institution:

Designation:

Address:

15.12. 2025

Dr. Ayan Chakraborty

Principal
Techno International

New Town, West

Bengal

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)



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

Phone: +91-33-2324-2050, 2324-2090, 2324-2091

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	40,000
2.	Study materials, Consumables expenses	30,000
3.	Hall rent, if any	NA
4.	Publicity materials	5,000
5.	Travel expenses	NA
6.	T.A. to the external Resource Persons/ Experts	16,000
7.	Documentation expenses including audio-visual	NA
8.	Light refreshments	40,000
9.	Auditors' fee	3000
10.	Other expenses (Felicitation kit to speakers, Hall decorations, Printing materials like id cards, certificates etc.)	15,000
Grand Total Expenditure (₹):		1,49,000

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) 1,34,000

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

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 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	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

Two-day National Seminar
On
Green Technologies in a Low-Carbon Economy

Organized by
Department of Computer Science and Engineering
Techno International New Town, Kolkata
29-30 January, 2026

A. Aim

The aim of this seminar is to meet the increasing demand for green technologies in the present rapidly growing technological world, where the increasing energy demand, climate change and environmental degradation are posing various significant global challenges. It aims to draw attention to the key role that modern technological innovations play in the transition to a lower-carbon energy system, including renewable energy systems, digitalized manufacturing, smart infrastructure, and data-driven energy management, in ensuring that carbon emissions are reduced while maintaining economic growth and industrial competitiveness. By highlighting the need for urgent transition to a low carbon economy, the seminar hopes to illustrate the need for combining green technologies with existing technological advancements for energy security, regulatory compliance, environmental sustainability and long term resilience in a more technology dependent global society.

B. Objective

The objective of this seminar will be to give an in-depth and technically rigorous knowledge of green technologies and the critical role they play in enabling a low-carbon economy through the systematic measurement, monitoring and reduction of carbon footprint within key sectors such as energy generation, manufacturing, transportation and urban infrastructure. The seminar focuses on cutting-edge technological solutions such as renewable energy systems, smart grids and energy storage, green hydrogen, carbon capture, utilization and storage (CCUS), energy-efficient and digital enabled manufacturing, and sustainable mobility solutions. In line with the United Nations Sustainable Development Goals, in particular SDG 7 (Affordable and Clean Energy), SDG 9 (Industry, Innovation and Infrastructure), SDG 11 (Sustainable Cities and Communities), SDG 12 (Responsible Consumption and Production), and SDG 13 (Climate Action), the seminar seeks to discuss the role of regulatory frameworks, standards, carbon prices, and green finance instruments in enabling the adoption and scaling-up of low carbon technologies. Additionally, it aims at identifying technical, economic and policy-related challenges in reducing carbon footprints at scale and to promote interdisciplinary approaches that integrate technology, governance and innovation, for achieving sustainable, resilient and climate-responsive development in the current technologically advanced world.

C. Details of the Coordinator

Name:	Dr. Bitan Misra
Designation:	Assistant Professor, Department of Computer Science and Engineering, Techno International New Town
Address:	Techno International New Town, DG 1/1, Action Area 1, New Town, West Bengal, India, pin code: 700156
Email:	misra.bitan2020@gmail.com / bitan.misra@tint.edu.in
Mobile no. :	+ 91 9382652215



Dr. Bitan Misra received her B. Tech and M. Tech dual degree in Electronics and Telecommunication Engineering from KIIT University, Bhubaneswar, India in 2018. She received her Ph.D. in 2022 from National Institute of Technology, Durgapur, India. She received the Vice Chancellor's Gold Medal Award during her UG for securing the highest CGPA in the university. She has published more than 40 research papers in various international journals, book chapters and conferences. She has written five authored books and one edited books. She is currently working as an assistant professor in the department of Computer Science and Engineering at Techno International New Town, Kolkata, West Bengal, India. She has served as reviewer in many peer-reviewed Journals and Conferences. She is a member of IEEE and Internet Society. She is the Associate Editor in the International Journal of Ambient Computing and Intelligence (IJACI). Her main research interests include optimization techniques, deep learning, evolutionary algorithms and soft computing techniques.

Google Scholar:

(<https://scholar.google.com/citations?user=t5nSHaUAAAAJ&hl=en>)

Research Gate:

(<https://www.researchgate.net/profile/Bitan-Misra-2>)

Departmental Website:

(<https://tint.edu.in/tict-cse-faculty-members.html>)

Website:

(<https://sites.google.com/view/bitan-misra-phd/home>)

D. List of Experts

1. **Prof. Ratan Mandal**
Director, School of Energy Studies, Jadavpur University
2. **Prof. Rajat Subhra Chakraborty**
Department of Computer Science and Engineering, IIT Kharagpur
3. **Dr. Soumyajit Goswami**
Senior IT Architect, IBM India Pvt. Ltd.
4. **Prof. Lovely Dasgupta**
Dean (Research), West Bengal National University of Juridical Sciences (WBNUJS)
5. **Prof. Basumitra Ghosh Mukherjee**
Head, Centre of Excellence, FDDI Kolkata
6. **Prof. Amlan Chakraborty**
Director, A.K. Choudhury School of Information Technology
7. **Dr. Subhankar Mukherjee**
Project Manager, Agri and Environmental Electronics Group, C-DAC Kolkata
8. **Dr. Swapna Agarwal**
Senior Scientist, Adani AI Labs

E. Target Participants

The seminar is intended for:

- Faculty members and researchers
- Doctoral scholars
- Industry professionals and technology practitioners
- Post Graduate and Undergraduate Students

F. Total Estimated Expenditure

Sl. No.	Items required with justification and rate	Total Expenditure (A) (₹)
1.	Honorarium to Resource Persons/ Experts	40,000
2.	Study materials, Consumables expenses	30,000
3.	Hall rent, if any	NA
4.	Publicity materials	5,000
5.	Travel expenses	NA
6.	T.A. to the external Resource Persons/ Experts	16,000
7.	Documentation expenses including audio-visual	NA
8.	Light refreshments	40,000

9.	Auditors' fee	3000
10.	Other expenses (Felicitation kit to speakers, Hall decorations, Printing materials like id cards, certificates etc.)	15,000
Grand Total Expenditure (₹):		1,49,000

G. Program Details

Day 1 – 29th January, 2026		
Time	Session	Speaker / Details
09:00 AM – 10:00 AM	Registration	Participant Registration
10:00 AM – 10:20 AM	Inaugural Session	Welcome Address & Opening Remarks
10:20 AM – 11:20 AM	Invited Talk	Prof. Ratan Mandal, Director, School of Energy Studies, Jadavpur University
11:20 AM – 11:40 PM	High Tea	
11:40 PM – 12:40 PM	Invited Talk	Prof. Rajat Subhra Chakraborty, Dept. of CSE, IIT Kharagpur
12:40 PM – 02:00 PM	Lunch Break	
02:00 PM – 03:00 PM	Invited Talk	Dr. Soumyajit Goswami, Sr. IT Architect, IBM India Pvt. Ltd.
03:00 PM – 04:00 PM	Invited Talk	Prof. Lovely Dasgupta, Dean (Research), West Bengal National University of Juridical Sciences (WBNUJS)
04:00 PM – 04:30 PM	Day 1 Wrap-up	Open Discussion
Day 2 – 30th January, 2026		
Time	Session	Speaker / Details
10:00 AM – 11:00 AM	Invited Talk	Prof. Basumitra Ghosh Mukherjee, Head of the Centre of Excellence (CoE) at the Footwear Design & Development Institute (FDDI) Kolkata
11:00 AM – 11:20 AM	High Tea	
11:20 AM – 12:20 PM	Invited Talk	Prof. Amlan Chakraborty, Director. A.K. Choudhury School of Information Technology
12:20 PM – 01:30 PM	Lunch Break	
01:30 PM – 02:30 PM	Invited Talk	Dr. Subhankar Mukherjee, Project Manager, C-DAC Kolkata
02:30 PM – 03:30 PM	Invited Talk	Dr. Swapna Agarwal, Sr. Scientist, Adani AI Labs
03:30 PM – 04:00 PM	Valedictory Session (Summary, Reflections and Certificate Distribution)	
04:00 PM – 04:30 PM	Vote of Thanks & Closing Ceremony	