



TECHNO INDIA UNIVERSITY
WEST BENGAL

EM 4, Sector - V, Salt Lake, Kolkata – 700091, West Bengal, India
Phone: (91) 33-2357-6163/64/84/2658/1094, Fax: +91 33 2357 1097

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: *Arabani Karmakar*

Date: 2/09/2022

Name of Programme Coordinator:

Dr. SRABANI KARMAKAR

Designation: Head of the
Department

Department of Biotechnology

Address: EM-4, sector - V,
Salt Lake, Kolkata - 700091
West Bengal, India (Office Seal)

Signature: *Goutam Sengupta*
Vice Chancellor
Techno India University
West Bengal

Date: 6/09/22

Name of Head of the Institution

DR. GOUTAM SENGUPTA

Designation: VICE CHANCELLOR

Address:



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Annexure-II

Bank details of the Applicant Organisation

Name of the Organisation	Techno India University, West Bengal
Bank Account number & name of the Account holder/ Organisation	3303101003118
Type of Account (Savings or Current A/c)	Savings
Name of the Bank	Canara Bank
Name of the Branch with Branch address	Canara Bank, Sector V Salt Lake Eternity Building First Floor DN 1 Kolkata 700091
IFSC of the Branch	CNRB0003303
Mobile Number of the Programme Coordinator/ Head of the Organisation	9830189296
PAN / TAN of the Account holder/ Organisation	CALT064223E

**Signature of Authorised Personnel with
seal**

Chief Finance Officer
Techno India University, West Bengal



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Annexure-I

Proposed Total Budget with break-ups

Sl. No.	Items required with justification and rate	Total Expenditure (A) ₹	Institution/ Organization Contribution(*) (B) ₹	Grant expected from DSTBT (C=A-B) ₹
1.	Honorarium to 8 Resource Persons/ Experts	40,000	-	40,000
2.	Study materials (Registration kit) Consumables expenses	20,000	-	20,000
3.	Hall rent, if any	20,000	20,000	-
4.	Publicity materials (Abstract booklet, leaflet)	20,000	-	20,000
7.	Documentation expenses including audio-visual	15,000	15,000	15,000
8.	Lunch and Tea Coffee 70 persons	35,000	-	-
9.	Auditors' fee	5,000	5,000	5,000
Grand Total Expenditure (₹):		1,90,000	40,000	150,000

(*) Atleast 10% of the total budget contribution from the Institute/ Organisation is desirable

(Justification: External speaker's honorarium 5000 X 8 = 40000)

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 Seminar, Symposium, Conference Programmes

(Please upload the filled in "Application Format" along with necessary documents at Vigyansathi portal)

1. Program Type (ref SN 10 of the Guidelines): **Seminar organized by Techno India University, West Bengal**
2. Title of the proposed Program: **Innovations in Biotechnology: Applications and Prospects**
3. Target Group (Faculty, Teacher, Research Scholar, College/ University Student, Community):
Student, Faculty, Teacher, Research Scholar and industry persons.
4. Duration (days): **2 days** Tentative
Dates of the proposed Programme: **22.12.2022 to 23.12. 2022**
5. Aims, Objectives and Details of the Programme (attach separate sheet, if necessary): **Enclosed Annexure I, II, III**
3. Name, Designation, Postal Address, mobile no. and e-mail id of the (only one) Programme Co-ordinator (PC) (attach separate sheet, if necessary):
.....Dr. Srabani Karmakar, HoD, Department of Biotechnology, Techno India University, West Bengal, EM 4, Sector V, Salt Lake, Kolkata 700091 Mobile 8348433450
project@technoindiaeducation.com.....
.....
.....
4. Legal status of the Institute (College/ University/ Institute/ Polytechnic/ ITI/ Autonomous body/ registered NGO/ Trust etc.):
.....University.....
.....
.....
5. Date wise detail Programme Schedule (attach separate sheet, if necessary):Attached.....
.....
.....
6. Collaborating Institutions/ Organizations, if any, with their specific contribution:.....
.....Nil.....
.....
7. Expected number of participants and list of Resource Persons/ Invited Speakers:
.....
.....62 participants and 8 resource
persons.....

8. 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.:Nil.....

9. 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:.....

.....**Shri Soumitra Bhaumik.....Techno India Group**

EM-4/1, Sector-V, Salt Lake

Kolkata - 700 091

Cell: +91 9830189296.....Email ID

soumitrabhaumik@gmail.com.....

10. Total Programme Expenditure (A)/ Organisation's contribution (B)/ Grant expected from DSTBT (C): C: ₹.....1,50,000..... = (A: ₹.....1,90,000..... - B: ₹ 40,000)
(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/NO**
- 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**
- 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**

Annexure-III

Aims of the Conference:

- 1) Motivate students by close interaction with scientists in the advanced areas of biotechnology
- 2) Make them aware of advancements in research in the thrust areas of biotechnology
- 3) Orient faculties and research scholars towards innovations and its applications
- 4) Poster presentations on innovative ideas on advancements in disease diagnosis and therapeutics

Objective:

The conference will address these following fields and innovations

- 1) Importance of Science Discoveries
- 2) Innovations in Biotechnology
- 3) Advancements in molecular biology
- 4) Protein Engineering
- 5) Virology and vaccines
- 6) Nanotechnology
- 7) Bioinformatics
- 8) Plant Biotechnology

The major objectives of our conference include

A) Importance of science discoveries - Scientific knowledge allows us to develop new technologies, solve practical problems, and make informed decisions — both individually and collectively. New scientific knowledge may lead to new applications. We will have a lecture on this in session 1.

B) Innovations in biotechnology are emerging in the last decade. Startups in the biotechnology field will help in job prospects of students as well as solve societal problems. Session 2 will focus on this area.

C) Molecular Biology - Recent Advancement - There have been a number of major advances in molecular biology in the past few years and these advances, focusing on the benefits and limitations when applied to investigating many disorders. Advanced molecular technology has become a crucial tool for identifying new genes with importance in medicine, agriculture, animal production, health, environment, industry and other related areas. Our session 3 will focus on this area.

H) Protein Engineering: Protein engineering is helping us in getting newer vaccines, newer antibodies and newer enzymes with enhanced properties. Modern therapeutics and biotechnology industry are highly dependent on this technology. Students must be acquainted with biosimilars and enzymes with improved features. We will have discussion in this in session 4.

D) Virology and vaccine - Meeting the challenges posed by emerging diseases requires the medical virologist to acquire ever more increasing expertise and access to ever more complex

technologies. Today diseases such as HIV/AIDS, hepatitis C, influenza, and diarrheal diseases represent significant threats to public health. Coronavirus has been a major threat for the past two years. In a more modern sense, Virology has acquired a broader significance as it encompasses the study of ecology, evolution of viruses, interaction among viruses and other microorganisms, and the ability of viruses to deliver their own and heterologous genetic information into cells. Session 5 will deal with this topic.

E) Nanotechnology- Active nanotech-based research has yielded several new advancements with wide-ranging applications. Recent development in science and technology and invention of wonderful nanomaterials by nanotechnology helps advances in healthcare and treatment. Session 6 will feature this arena.

F) Bioinformatics- Bioinformatics combines computer programming, big data, and biology to help scientists understand and identify patterns in biological data. It is particularly useful in studying genomes and DNA sequencing, as it allows scientists to organize large amounts of data. We will have session 7 in this area.

G) Plant Biotechnology: Biotechnology using plants is very important in the agriculture and food technology sector. It also helps us in developing advanced varieties of agricultural crops. Session 8 will feature in this arena.

Annexure V

About Speakers:

External

- 1) Dr. Gautam Basu, Scientist, Department of Biophysics, Bose Institute
- 2) Dr. Jayanta Mukhopadhyay, Scientist, Department of Chemistry, Bose Institute
- 3) Dr. Ujjwal Kumar Neogi, Distinguished Professor, Shoolini University, HP, India
- 4) Dr. Nilanjan Chakraborty, Scientist, Virology NICED
- 5) Dr. Rituparna Sinha Roy, IISER, Kolkata
- 6) Dr. Jaya Bhattacharya MAKAUT

Internal

- 7) Dr. Srabani Karmakar, HoD, Department of Biotechnology, TIU, WB
- 8) Dr. Saurav Bhattacharya, Department of Biotechnology, TIU, WB

Program Schedule Conference Proposal 22nd and 23rd December 2022

Event	Title	Speaker	Time	Day
Registration		Registration	10 00 am	Day 1
Inauguration			11 00 am	
Tea break		Tea break	11 30	
Session 1	Recent advancements in Biotechnology	Dr. Gautam Basu	11 45 to 12 45	
Session 2	Innovations in Biotechnology	Dr. Ujjwal Kumar Niyogi	12 45 to 1 45	
Lunch Break		Lunch Break / Poster Session	2 pm to 3 pm	
Session 3	Molecular Biology Advancements	Dr. Jayanta Mukhopadhyay	3 00 to 4 00 pm	

Tea break		Tea break	4 00 to 4 15 pm	Day 2
Session 4	Protein Engineering	Dr. Srabani Karmakar	4 15 4 45 pm	
Inauguration of second Day		Cultural event by students	10 30 to 11 30 am	
Session 5	Virology and vaccines	Dr. Nilanjan Chakraborty	11 30 am to 12 30 pm	
Session 6	Bioinformatics	Dr. Jaya Bandyopadhyay	12 30 to 1 30 pm	
		Lunch Break / Poster Session	1 30 to 2 30 pm	
Session 7	Nanotechnology	Dr. Rituparna Sinha Roy	2 30 to 3 30 pm	
Session 8	Plant Biotechnology	Dr. Saurav Bhattacharya	3 45 to 4 15 pm	
Vote of Thanks		Vote of Thanks	4 15 pm to 4 30 pm	