

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):** History of Science, Moves made on Science (S11)
2. **Title of the proposed Programme:** National Seminar on “Scientific Renaissance in India: History, Impact and Future Directions”
3. **Target Group (Faculty, Teacher, Research Scholar, School/College/ University Student, Community):** Students of Schools and colleges, research Scholars and faculty members of different institutions
4. **Duration (Days):** Two; Tentative Dates of the proposed Programme: 26th and 27th August’2026
5. **Aims, Objectives and Details of the Programme (attach separate sheet, if necessary):**

Background of the Seminar: The rapid scientific and technological advancements of the 21st century demand a society that is informed, rational, and capable of critical thinking. In a country like India—rich in ancient scientific wisdom and emerging as a global hub for modern innovations—it is essential to cultivate a strong scientific temper among the younger generation. School and college students today are not only the future workforce but also future citizens responsible for shaping an enlightened, progressive nation. Developing a scientific mindset enables them to question, explore, analyze, and make evidence-based decisions—qualities that are vital for personal growth as well as national development.

This seminar, “**Scientific Renaissance in India: History, Impact, and Future Directions,**” is conceived with the purpose of inspiring students and educators to reconnect with India's scientific heritage while embracing the scientific ethos required for the future. By highlighting contributions from ancient India, exploring achievements of modern Indian scientists, and addressing emerging research areas, the seminar provides a platform for meaningful dialogue. Student participation through speeches and interactions with experts fosters curiosity, creativity, and confidence. Such engagements not only nurture scientific temperament but also help students evolve into responsible, informed citizens capable of contributing to a scientifically vibrant and socially harmonious India.

Aims: To inspire and engage young minds by exploring the Renaissance and the historical development of modern Indian science, fostering curiosity, critical thinking, and an appreciation for India’s scientific heritage among school and college students, along with strengthening collaborative learning between students and faculty members.

Objectives:

- To introduce students to the key ideas of the Renaissance and its influence on scientific thought, both globally and within the Indian context.
- To highlight the contributions of Indian scientists and innovators who shaped the foundations of modern Indian science.
- To encourage school and college students to develop scientific curiosity and historical awareness through interactive sessions, discussions, and presentations.
- To provide a platform for students and faculty from diverse institutions to exchange knowledge,

share perspectives, and collaborate on science and history-related themes.

- To bridge the gap between historical understanding and modern scientific practices, enabling young learners to connect past intellectual movements with current scientific advancements.
- To motivate students to pursue careers in science, research, and education by showcasing inspiring stories of scientific progress and innovation in India.

Details of the Programme:

The entire Programme will be arranged through invited lectures by reputed scientists and distinguished professors from across the country, followed by presentations from school and college students, as well as research scholars and faculty members from various institutions. A tentative list of themes/topics for the participants is given below in tabular form.

Key note Speech: Speech related to “ <i>Scientific Renaissance in India: History, Impact, and Future Directions</i> ”
Invited Speech-I:
Invited Speech-II:
Invited Speech-III:
Invited Speech-IV:
Speech delivered by the participants: Related area of speech for the participants
For School Students (IX-X): Life and work of Acharya Jagadish Chandra Bose (1858–1937), Acharya Prafulla Chandra Ray (1861–1944), Satyendra Nath Bose (1894–1974), Meghnad Saha (1893–1956), Dr. Asima Chatterjee (1917-2006)
For School Students (XI-XII): Dr. C.V. Raman: India’s First Nobel Laureate in Science (Explain the Raman Effect, its importance and his impact on scientific research in India) Dr. A.P.J. Abdul Kalam: The Missile Man and Visionary Scientist (Focus on his work in ISRO, DRDO, SLV-3, Agni/Prithvi missiles, and his inspirational role in promoting scientific temper) Dr. Homi Jehangir Bhabha: Father of Indian Nuclear Science Discuss nuclear research, the founding of TIFR/BARC, and his role in shaping India’s atomic energy program Dr. Vikram Sarabhai – Architect of the Indian Space Program His vision for ISRO and the development of early satellites. Srinivasa Ramanujan -Self-taught mathematical genius. Made pathbreaking contributions to number theory, infinite series, and partitions.
For College Students: Women Scientists of Modern India History of pre-independence science in India India’s Achievements in Space: Chandrayaan, Mangalyaan, Gaganyaan Environmental movements in India
Research Scholars and faculty members: Ancient Indian Science & Technology: Contributions to Mathematics and Astronomy Ancient vs. Modern Science: A Comparative Study Role of Indian Research Institutions (ISRO, DRDO, CSIR, ICMR) in National Development Scientific Revival in Modern India: Post-Independence Scientific Policies Emerging Scientific Research in India: AI, Biotechnology, Space Science India’s Future in Global Science & Technology Mathematics in Ancient India: From Aryabhata to Ramanujan Role of Asiatic society in Indian scientific education Gender Inclusion in Indian Scientific Institutions: Policies & Progress Environmental Wisdom in Indian Traditions & Its Use in Modern Sustainability Studies Science Communication in India: Need for Public Engagement & Literacy (Role of media, digital platforms, community science centres)

Science Education Reforms in India: NEP 2020 and the New Learning Paradigm
 Green Energy Revolution in India: Scientific Progress & Policy Frameworks
 (Solar, wind, hydrogen, nuclear technologies)
India's Start-up Ecosystem: From Scientific Research to Commercial Innovation
 (Role of incubators, industry-academia collaboration, tech parks)
 Interplay of Science, Society and Literature in India's Scientific Renaissance
 Origins and Growth of Medical Institutions in Modern India
 Historical background medical institutions of India
 Any other related topics to the title of the Seminar

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: Dr. Debashis Mallick

Designation: Associate professor in Chemistry

Postal Address: Mrinalini Datta Mahavidyapith, Dept. of Chemistry, Vidyapith Road, Birati, Kolkata-700051.

Mobile No. 9874556847

e-mail id: dmchemmdm51@gmail.com

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

College: Mrinalini Datta Mahavidyapith, a govt. aided co-educational UG & PG college affiliated under West Bengal State University.

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

Tentative Programme Schedule

Day	Time slot	Events		
I	10.00 am – 10.45 am	Registration		
	10.45 am – 11.30 am	Inaugural performance & Lighting the Lamp		
	11.30 am – 12.30 pm	Key note Speech		
	12.30 pm- 12.45 pm	Tea break		
		Technical Session-I:		
	12.45 pm- 1.45 pm	Invited Speaker-I		
	1.45 pm-2.45 pm	Lunch break		
	2.45 pm -4.45 pm	Technical Session-II (Parallel session will be conducted)		
		Students of Class (IX &X)	Students of Class (XI &XII)	College students (UG and PG students)
	4.45 pm- 5.00 pm	Announcement of result of students' speech competition		
II	10.00 am -10.30 am	Participants attendance and tea		
		Technical Session-III		
	10.30 am – 11.15 am	Invited Speaker-II		
	11.15 am-12.30 pm	Invited Speaker-III		
	12.30 pm-1.45 pm	Presentations by the participants		
	1.45 pm-2.30 pm	Lunch break		
		Technical Session-IV		
	2.30 pm-3.15 pm	Invited Speaker-IV		
	3.15 pm-4.30 pm	Presentations by the participants		
	4.30 pm-5.00 pm	Valedictory session & certificate and prize distribution		

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

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

Expected number of participants:150

list of Resource Persons/ Invited Speakers:

- Prof. Arnab Roy Choudhury, IISc, Bangalore
- Prof. Chittaranjan Sinha, JU, Kolkata
- Prof. Shyamal Chakraborty, Former Professor, CU, Kolkata
- Prof. Susnata Das, RBU, Kolkata
- Dr. Basudeb Dutta, KITT University, Bhubaneswar

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.

Dr. Dipak Biswas, Principal, Mrinalini Datta Mahavidyapith, Birtai, Kolkata-51.

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

D : ₹1,30,000.00 = (A: ₹1,45,000.00– B: ₹15,000.00 – C: ₹0.0)

(provide detail Budget break-up as per Annexure-I and Bank details as per Annexure-II): Kindly see Annexure -I and 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**

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: **Dr. Debashis Mallick**

Designation: **Associate professor in Chemistry**

Address: **Mrinalini Datta Mahavidyapith, Vidyapith Road, Birati, kol-51**

Signature

Date:

Name of Head of the

Institution: **Dr. Dipak Biswas**

Designation: **Principal**

Address: **Mrinalini Datta Mahavidyapith, Vidyapith Road, Birati, kol-51**

(Office Seal)

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.

(Office Seal)

Signature

Date:

Name of Recommending Authority:

Designation:

Address:

MRINALINI DATTA MAHAVIDYAPITH

Vidyapith Road, Birati, Kolkata-700 051

AFFILIATED TO WEST BENGAL STATE UNIVERSITY, BARASAT, NORTH 24 PGS

NAAC ACCREDITED CO-EDUCATIONAL COLLEGE (UG & PG)



Ref. No.

Date

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	6,000.00
2.	Study materials, Consumables expenses	10,000.00
3.	Hall rent, if any	00.00
4.	Publicity materials	4000.00
5.	Travel expenses	6000.00
6.	T.A. to the external Resource Persons/ Experts	20000.00
7.	Documentation expenses including audio-visual	4000.00
8.	Light refreshments	82500.00
9.	Auditors' fee	1000.00
10.	Other expenses, if any (please specify) Memento, Certificates, Proceedings publication, Sound System	12000.00
Grand Total Expenditure (₹):		145000.00

Please mention:

B. Institution/ Organization Contribution* in ₹:15000.00

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

D. Grant expected from DSTBT (₹) = (A-B-C):1,30,000.00

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
Principal

Mrinalini Datta Mahavidyapith
Birati, Kolkata-700051

Signature of Authorised Personnel with seal
Principal

Mrinalini Datta Mahavidyapith
Birati, Kolkata-700051

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

MRINALINI DATTA MAHAVIDYAPITH

Vidyapith Road, Birati, Kolkata-700 051

AFFILIATED TO WEST BENGAL STATE UNIVERSITY, BARASAT, NORTH 24 PGS

NAAC ACCREDITED CO-EDUCATIONAL COLLEGE (UG & PG)



Ref. No.

Date

Bank details of the Applicant Organisation

Annexure-II

Name of the Organization	MRINALINI DATTA MAHAVIDYAPITH
Bank Account number & name of the Account holder/ Organization	913010024233693 & MRINALINI DATTA MAHAVIDYAPITH FESS ACCOUNT
Type of Account (Savings or Current A/c)	SAVINGS
Name of the Bank	AXIS BANK LTD
Name of the Branch with Branch address	NIMTA KOLKATA (WB), KOLKATA 700049
IFSC of the Branch	UTIB0001141
Mobile Number of the Programme Coordinator/ Head of the Organization	9874556847/
PAN / TAN of the Account holder/ Organization	TAN- CALM01571D



Signature of Authorised Personnel with seal

Principal
Mrinalini Datta Mahavidyapith
Birati, Kolkata-700051