

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 :** Science Popularization Programme for School/College Students
- 2. Title of the proposed Programme:** Awareness Programme on Recent Advances in Science, Technology and Innovation
- 3. Target Group (Faculty, Teacher, Research Scholar, School/College/ University Student, Community):** ...School & College Students
- 4. Duration (days):** 02; Tentative Dates of the proposed Programme: .20.02.2026 & 21.02.2026
- 5. Aims, Objectives and Details of the Programme (attach separate sheet, if necessary):**

AIM:

The major aim of this programme is to aware of various aspects, present research areas & recent advances of science, technology and innovation to the school and college students and to encourage them to pursue their future career in Science and Technology.

Objectives:

Primary Objective:

There are more than 15 schools and 3 general degree colleges in and around Durgapur City. However, it has been observed that the number of students willing to study and peruse their career in pure and applied sciences is becoming less day by day. Therefore, as a Govt. Aided College in Durgapur, we thought that it will be helpful for the school/college students to motivate them through science popularization programme to peruse their career in basic and applied sciences.

Broad Objectives:

1. To Inspire and promote sustainable practices among future generations based on scientific attitudes.
2. To aware the school/college students about the recent advances in science & technology which may help them to pursue their future career.
3. To empower the young students to enable to think critically and scientifically.
4. Sharing the knowledge about recent research in pure and applied sciences among the students.
5. To enable the participants to think for sustainable practices and behaviors in their daily lives.

Details of the Programme:

In the first day of programme, we have planned three interactive talks, each of duration 1hr, delivered by three scientists/teachers from NIT Durgapur, CSIR CGCRI & WBDST & BT. The first talk will be delivered by Prof. Pathik Kumbhakar, Professor, Department of Physics, National Institute of Technology Durgapur on Recent advances in Laser and Fibre Optic communication Technology. Second talk will be delivered by Dr. Mrinal Pal, Chief Scientist and Divisional Chair (Functional Materials and Devices Division), CSIR-CGCRI Kolkalat on Sensors for Society. The third lecture will be delivered by Mr. Amiya K. Kalidaha, Senior Scientific Officer, Department of Science & Technology and Biotechnology, Government of West Bengal on Basic Concepts of Intellectual Property & its rights.

In the post lunch session of the first day, visit to various laboratories (Physics, Chemistry, Mathematics, Electronics, Zoology, Botany, Geography, Psychology) of our college will be

conducted so that the participants can see the facilities available in our college. There will be a model and poster presentation by the participants and students of our college.

In the second day of the programme, there will be two sessions. In the first session, there will be two interactive lectures by Dr. Hirok Choudhury, NIT Durgapur and Dr. Uttam Kumar Ghorui, Belur. Dr. Hirok Choudhury will deliver a lecture on notable women scientists and their discoveries. Dr. Uttam Kumar Ghorui will talk on electrochemical materials as energy sources. One more talk will be delivered by Dr. Oindrilla Mukherjee, Dept. of Biotechnology, NIT Durgapur on GUT bacteria and its impact on IBS. In the post lunch session, a quiz session on science, technology and innovation will be conducted.

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. Arup Kanti Kole
Assistant Professor
Department of Physics
Durgapur Women's College
M.G.Road, Durgapur-713209
Mobile No. 9434586808/6294358132
Email: arup.kole@durgapurwomenscollege.ac.in/arupkole@gmail.com

7. Legal status of the Institute (School/College/ University/ Institute/ Polytechnic/ ITI/ Autonomous body/ registered NGO/ Trustetc.):
Govt. aided General Degree College

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

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

10. Expected number of participants and list of Resource Persons/ Invited Speakers:
Participants-70, Resource Persons/Invited Speakers-04/05

Sl. No.	Name of Resource Persons	Designation	Address	Proposed Talk
1	Prof. Pathik Kumbhakar	Professor	Department of Physics, National Institute of Technology Durgapur, M.G.Road, Durgapur-713209	Recent advances in Laser and Fibre Optic communication Technology
2	Dr. Mrinal Pal	Chief Scientist and Divisional Chair (Functional Materials and Devices Division)	CSIR-Central Glass & Ceramic Research Institute, 196, Raja S.C. Mullick Road, Jadavpur, Kolkata - 700032, West Bengal, India	Sensors for Society
3	Mr. Amiya K Kalidaha	Senior Scientific Officer	Department of Science & Technology and Biotechnology, Government of West Bengal	Basic Concepts of Intellectual Property & its rights
4	Dr. Hirok Choudhury	Associate Professor	Department of Physics, National Institute of Technology Durgapur, M.G.Road, Durgapur-713209	Notable Women Scientists and their discoveries
5	Dr. Oindrilla Mukherjee	Assistant Professor	Department of Biotechnology, National	GUT bacteria and its impact on IBS

			Institute of Technology Durgapur, M.G.Road, Durgapur-713209	
6	Dr. Uttam Kumar Ghorai	Assistant Professor	Department of Industrial & Applied Chemistry, Associate Faculty, Swami Vivekananda Research Center, Ramakrishna Mission Vidyamandira, Belur Math, Howrah- 711202, India	Electrochemical materials as energy sources

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. Mahananda Kanjilal, Principal, Durgapur Women's College, M.G.Road, Durgapur-713209

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

D : ₹119000 = (A: ₹132000– B: ₹13000. – C: ₹NIL)

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



SK

(Dr. Mahananda Kanjilal)
Principal, Durgapur Women's College

Principal
DURGAPUR WOMEN'S COLLEGE



DURGAPUR WOMEN'S COLLEGE

Affiliated to Kazi Nazrul University
"Accredited by NAAC"

RefNo. : DWC 1179 (a) / 24-25

Date 10-12-25

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: Arup Kanti Kole

Date: 10/12/25

Name of Programme Coordinator:
Dr. Arup Kanti Kole

Designation: Assistant Professor

Address:
Dept. of Physics
Durgapur Women's College
M.G.Road, Durgapur-713209

Signature: 

Date: 10-12-2025

Name of the Head of the Institute:
Dr. Mahananda Kanjilal

Designation: Principal

Address:
Durgapur Women's College
M.G.Road, Durgapur-713209


Principal

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Date 10-12-25

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	15000
2.	Study materials, Consumables expenses	15000
3.	Hall rent, if any	NIL
4.	Publicity materials	5000
5.	Travel expenses	5000
6.	T.A. to the external Resource Persons/ Experts	20000
7.	Documentation expenses including audio-visual	10000
8.	Light refreshments	60000
9.	Auditors' fee	2000
10.	Other expenses, if any (please specify)	
Grand Total Expenditure (₹):		132000

Please mention:

- B. Institution/ Organization Contribution= in ₹13000
C. Contribution from any other sources (with name & Address) in ₹NIL
D. Grant expected from DSTBT (₹) 119000= (A-B-C)

(Dr. Mahananda Kanjilal)
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Principal

DURGAPUR WOMEN'S COLLEGE

If C= 0

Undertaking: This organization/ institution is not receiving any kind of financial assistance from any other sources



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Principal

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Annexure-II

Bank details of the Applicant Organisation

Name of the Organisation	Durgapur Women's College
Account number & name of the Account holder as per Bank Passbook/Cheque Book	10306801079 Durgapur Women's College
Type of Account (Savings or Current A/c)	Current A/C
Name of the Bank	State Bank of India
Name of the Branch with Branch address	City Centre, Durgapur, West Bengal PIN-713216
IFSC code of the Branch	SBIN0006152
Mobile Number of the Programme Coordinator/ Head of the Organization	9434586808, 6294358132 (Coordinator)
PAN / TAN of the Account holder	PAN- AACTD1604M TAN-CALD03833E
File Number (for Office use)	

(Dr. Mahananda Kanjilal)
Principal, Durgapur Women's College

Principal
DURGAPUR WOMEN'S COLLEGE



Date wise detail Programme Schedule (Tentative)

**Awareness Programme on
Recent Advances in Science, Technology and Innovations
Durgapur Women's College**

Date: 20.02.2026 (Friday) (1st Day)

**Venue: College Auditorium (1st Floor) & Science Departments
Durgapur Women's College**

Time Schedule (Tentative)

Sl. No.	Events	Time
1	Registration	10.00AM-10.30AM
2	Welcome the dignitaries on the Dias	10.30 AM-10.35AM
3	Inauguration (Lighting the Lamp & Inaugural Song) and Felicitations of the Guests	10.35AM-10.45 AM
4	Welcome address by Dr. Mahananda Kanjilal, Principal	10.45 AM-10.55AM
5	Introduction about the programme by the coordinator	10.55 AM-11.00AM
Interactive Lecture - 1		
6	Lecture on recent advances in Laser and Fibre Optic Technology in communication by Prof. Pathik Kumbhakar, NIT Durgapur	11.00 AM-11:45 AM & Interaction: 15 min
6	Tea Break	12.00PM-12.10PM
Interactive Lecture - 2		
7	Lecture by Dr. Mrinal Pal, CSIR CGCRI on Sensors for Society	12.10 PM-12.55PM & Discussion: 15 min
8	Lecture by Mr. Amiya K Kalidaha, Senior Scientific Officer, WBDST & BT, Govt. of WB	1.10-1.55PM & Discussion: 15 min
LUNCH BREAK 2.10 PM-2.45 PM		
9	Session for the participants to share their views on the topic	02.45 PM-03.30PM
10	Exhibition and Laboratory Visit in Groups	03.30PM-04.30PM

Date: 21.02.2026 (Saturday) (2nd Day)

**Venue: College Auditorium (1st Floor) & Science Departments
Durgapur Women's College**

Sl. No.	Events	Time
1	Lecture by Dr. Hirok Choudhury, NIT Durgapur on Notable Women Scientists and their discoveries	10.30 AM—11.15AM & Discussion 15 Min
Tea Break (11.30AM-11.45AM)		
2	Lecture by Dr. Uttam Kumar Ghorai, Ramakrishna Mission Vidyamandira, Belur Math on Electrochemical materials as energy sources	11.45 AM-12.30 PM & Discussion: 15 min
3	Lecture by Dr. Oindrilla Mukherjee, NIT Durgapur on GUT bacteria & its impact on IBS	12.45PM-01.30PM & Discussion 15 min
LUNCH BREAK (01.45 PM-02.30PM)		
4	Quiz Competition, Certificate & Prize Distribution/Feedback by the participants	02:30PM-03.30PM
5	Vote of Thanks by Assistant Coordinator	03.30PM-03.45PM