

ESTD. : 1968

(Reaccredited by NAAC with - 'B' Grade with a CGPA of 2.43)

Post - Egra : Dist - Purba Medinipur (West Bengal) : Pin - 721429.

President : Mr. Tarun Kumar Maity, M.L.A., W.B.

Teacher In-Charge : Dr. Chayan Ranjit.

Website - [www.egrassbcollege.ac.in](http://www.egrassbcollege.ac.in) : E-mail - [info@egrassbcollege.ac.in](mailto:info@egrassbcollege.ac.in)

■ - 03220-244073 / 245557 : Fax - 03220245867.

Memo No. : 700/02/25

Date : 13/12/25

**To**

**The Additional Secretary,**  
**Department of Science & Technology and Biotechnology,**  
**Government of West Bengal,**  
**Vigyan Chetana Bhavan,**  
**26/B, DD Block, Sector-I, Salt Lake, Kolkata-700064**

**Sub: Forwarding letter for financial assistance under the Science Popularization Programme.**

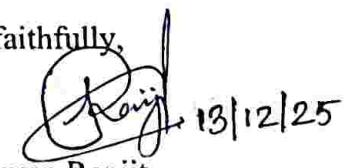
**Sir,**

I have the honour to forward herewith the duly filled-in application for the Science Popularization Programme for organizing a two-day National-Level Seminar on the topic "Gut Microbiome and Probiotics in Nutrition Science: Bridging Research and Industry." Mr. Somnath Sau, SACT-1, Department of Nutrition, will act as the Programme Coordinator for this event. Mr. Sau is a sincere, responsible, and dedicated teacher.

Our college is located in a rural area of Purba Medinipur district, and a large proportion of our students come from economically disadvantaged and socially backward communities, many of whom are first-generation learners.

I am confident that this National-Level Seminar will enable an in-depth discussion on recent developments in the field and facilitate the exchange of knowledge and ideas among academicians, scientists, teachers, researchers, scholars, students, and other stakeholders.

I strongly recommend the proposal and request that financial assistance of Rs. 1,50,000/- (Rupees One Lakh Fifty Thousand only) may kindly be sanctioned to enable the successful conduct of the programme at our college.

**Thanking you.****Yours faithfully,**  
13/12/25**Dr. Chayan Ranjit**

Teacher In-Charge

**Dr. Chayan Ranjit**  
Teacher In-Charge  
Egra S.S.B. College  
Egra, Purba Medinipur

**Attached:**

1. Filled Application Format
2. Annexure I and II
3. Enclosure 1 and 2



**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):** Two-day National Level seminar to be organized by Egra S.S.B College
- 2. Title of the proposed Programme:** “Gut Microbiome and Probiotics in Nutrition Science: Bridging Research and Industry”.
- 3. Target Group (Faculty, Teacher, Research Scholar, School/College/ University Student, Community):** Undergraduate and postgraduate students of Nutrition and allied subjects, research scholars, college teachers, and industry persons.
- 4. Duration (days):** Two days. Tentative Dates of the proposed Programme: 6<sup>th</sup> to 7<sup>th</sup> April, 2026
- 5. Aims, Objectives and Details of the Programme (attach separate sheet, if necessary):**  
Aim: To provide a comprehensive platform for researchers, academicians, clinicians, industry experts, and students to discuss recent advances in gut microbiome research and probiotic applications, and to strengthen collaborations between nutrition science and the food-biotech industry. Objectives: The theme “*Gut Microbiome and Probiotics in Nutrition Science: Bridging Research and Industry*” is highly relevant in today’s scientific and public health landscape due to the rapidly growing understanding of the gut microbiome as a central regulator of human health. The primary objective of this theme is to deepen the understanding of the gut microbiome and probiotics within nutrition science, focusing on their mechanistic roles in health, disease prevention, and overall metabolic balance. It aims to translate rapidly expanding scientific evidence—supported by metagenomics, metabolomics, and AI-driven microbiome analytics—into practical, clinically relevant applications that can inform dietary strategies and therapeutic interventions. Another key objective is to strengthen the translational link between laboratory discoveries and industry innovation by developing safe, effective, and scalable probiotic, prebiotic, symbiotic, and postbiotic solutions, supported by advanced delivery technologies that ensure microbial viability and targeted functionality. The conference focuses on the span of the bridge itself, the translational processes of validation, regulation, scale-up, and commercialization. The framework integrates evidence-based nutritional research with industrial application, ensuring scientific rigor in product development and consumer-oriented innovation.

**Details of the Programme:** Attached Enclosure-1

- 6. Name, Designation, Postal Address, mobile no., and e-mail id of the (only one) Programme Co-ordinator (PC) (attach a separate sheet, if necessary):**  
Name: Mr. Somnath Sau  
Designation: SACT-1, Department of Nutrition  
Postal Address: Egra S.S.B College, Egra, Purba Medinipur, 721429  
Mobile No. 9800197285  
E-mail ID- somnathsaunutrition.2017@gmail.com

7. **Legal status of the Institute (School/College/ University/ Institute/ Polytechnic/ ITI/ Autonomous body/ registered NGO/ Trust etc.):** Govt.-aided College affiliated to Vidyasagar University, West Bengal (Egra S.S.B College).

8. **Date-wise detail Programme Schedule (attach a separate sheet, if necessary):**  
Attached Enclosure-2

9. **Collaborating Institutions/ Organizations, if any, with their specific contribution:** NO

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

**Expected participants:** 100 and above (UG/PG students, research scholars, teachers, and health workers).

**Resource Persons:** 13 invited experts from universities, research institutes, hospitals, and industry dealing with nutrition and probiotic foods (detailed list to be attached separately).

11. **Give details of the grant received from DSTBT in the 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:**

Name: Teacher In-Charge, Egra S.S.B College

Address: Egra S.S.B College, Egra, Purba Medinipur, 721429

Phone/ Email: principal@egrassbcollege.ac.in

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

A (Total Estimated Expenditure): Rs. 2,50,000/-

B (Organisation's contribution): Rs. 50,000/-

C (Contribution from other sources): Rs. 50,000/-

D (Grant expected from DSTBT): Rs. 1,50,000/-

(D = A - B - C)

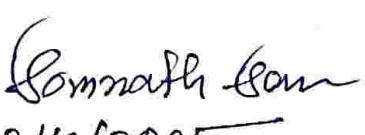
(Provide a detailed Budget break-up as per Annexure-I and Bank details as per Annexure-II):

**Check List (put a tick) of attachments to be submitted with the application**

- Proposed Total Budget with break-up (Annexure-I) and Bank Details (Annexure-II) in the Institute/ Organization's letterhead: 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: 13/12/2025

Signature:   
Date: 13/12/25

Name of Programme Coordinator:

Mr. Somnath Sau

Designation: SACT-1, in Nutrition

Address: Egra S.S.B College

Name of Head of the Institution:

Dr. Chayan Ranjit

Designation: Teacher In-Charge

Address: Egra S.S.B College



**Dr. Chayan Ranjit**  
Teacher In-Charge  
Egra S.S.B. College  
Egra, Purba Medinipur

# EGRA SARADA SHASHI BHUSAN COLLEGE



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Memo No. : 720A/02/25

Date : 13.12.2025

## 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	35000.00
2.	Study materials, Consumables expenses	10000.00
3.	Hall rent, if any	
4.	Publicity materials	10000.00
5.	Travel expenses	50000.00
6.	T.A. to the external Resource Persons/ Experts	35000.00
7.	Documentation expenses including audio-visual	10000
8.	Light refreshments	95000.00
9.	Auditors' fee	5000.00
10.	Other expenses, if any (please specify)	
<b>Grand Total Expenditure (₹):</b>		<b>250000.00</b>

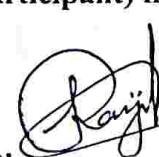
B. Institution/ Organization Contribution in Rs. 50000/-

C. Contribution from any other sources (registration fees from participant) in Rs. 50000/-

D. Grant expected from DSTBT (₹) = (A-B-C) Rs. 1,50,000/-

Signature: 

Date: 13/12/2025

Signature: 

13/12/25

Date: Dr. Chayan Ranjit  
Teacher In-Charge  
Egra S.S.B. College  
Egra, Purba Medinipur



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Memo No. : 720B/02/25

Date : 13.12.2025

## Annexure-II

### Bank details of the Applicant Organisation

Name of the Organization	<b>Egra S.S.B College</b>
Bank Account number & name of the Account holder/ Organization	<b>A/C No. 33263399293</b>
Type of Account (Savings or Current A/c)	<b>Savings</b>
Name of the Bank	<b>State Bank of India</b>
Name of the Branch with Branch address	<b>Egra Bazar, Medinipur (E)</b>
IFSC of the Branch	<b>SBIN0010424</b>
Mobile Number of the Programme Coordinator/ Head of the Organization	<b>9800197285</b>
PAN / TAN of the Account holder/ Organization	<b>PAN-AAABE0524D/ TAN-CALE02015G</b>



 13/12/25  
Signature of Authorised Personnel with seal

**Dr. Chayan Ranjit**  
Teacher In-Charge  
Egra S.S.B. College  
Egra, Purba Medinipur



Enclosure-1

## 2 Days National Level Seminar

on

### **‘Gut Microbiome and Probiotics in Nutrition Science: Bridging Research and Industry’**

Date: 6<sup>th</sup> April 2026 and 7<sup>th</sup> April 2026

**Venue: Conference Hall, Egra S.S.B College, Egra, Purba Medinipur.**

**Organized by**

**Egra S.S.B College, Egra, Purba Medinipur,**

Dist-Purba Medinipur, West Bengal.

#### **The main objectives and areas covered by the Seminar**

To create a dynamic platform for academic researchers, industry leaders, regulatory experts, and students to exchange knowledge, discuss cutting-edge research, address translational challenges, and foster collaborations that drive innovation in the Indian probiotics and microbiome sector. The microbiome and probiotics industry is undergoing a transformative evolution, driven by advanced science, personalized health trends, and technological innovation. This intersection of nutrition and microbiology is no longer limited to general digestive health claims—it is now focused on targeted, evidence-based interventions designed to improve a wide range of health outcomes. Here are the key emerging trends shaping the future include precision microbiome modulation (strain-specific probiotics, synbiotics, postbiotics, and gut microbiome customization), AI-driven microbiome profiling for personalized nutrition, next-generation delivery systems (microencapsulation and targeted gut delivery), discovery of bioactive microbial metabolites from novel sources, mental health and cognitive performance interventions via the gut–brain axis (psychobiotics), health-span and longevity focus, regulatory and technological convergence (direct-to-consumer microbiome diagnostics and formulations), and sustainable, ethical sourcing of microbial strains. The left pillar represents Nutritional Science (evidence, discovery, microbial mechanisms), while the right pillar represents Industry (products, markets, consumers), together supporting the effective translation of microbiome research into impactful health solutions.

## THEME OF THE ANNUAL SEMINAR

- **Keynote:** Global Trends and the Future of Microbiome-Based Nutrition.
- **Theme-1:** Discovery of probiotics, postbiotics, and synbiotics; gut-derived bioactives; delivery systems and precision microbiome modulation.
- **Theme-2:** In-vitro and in-vivo studies; clinical trial design; gut-health biomarkers; gut-brain and gut-immune axis research.
- **Theme-3:** In-silico and AI tools for microbiome profiling, strain selection, and functional prediction.
- **Theme-4:** Startups and innovations; scalable production; strain stability; product formulation and functional food fortification.
- **Theme-5:** Market trends; consumer behavior; regulatory frameworks (FSSAI, foods vs. drugs); import-export policies and commercialization strategies.

### Target Audience:

- Academicians & Researchers (Food Science, Nutrition, Pharmacy, Biotechnology)
- R&D Scientists from Nutraceutical, Food, and Pharma Industries
- Regulatory Affairs Professionals
- Start-up Entrepreneurs & Innovators
- Clinical Nutritionists & Dietitians
- Agri-business Professionals (for functional raw materials)
- Students (Food Science, Nutrition, Pharmacy, Biotechnology)

### GUIDELINES OF ABSTRACT SUBMISSION

Abstract for oral and poster presentation (within 250 words) may be sent by email to:  
[nutrition@egrassbcollege.ac.in](mailto:nutrition@egrassbcollege.ac.in)

All communications should be made by email only. Abstract must contain: Background, Objectives, Methods, Results, and Conclusion.

The format of the abstract: text in MS Word with Times New Roman and 1.5 spacing, Title: all capitals, bold, 14 pt, Author(s): bold, 12 pt, Address: (11 pt) e-mail: only one email of the Corresponding author should be provided, Abstract body: (12 pt).

Complete sentences, active verbs, and the third person should be used, and the abstract should be written in the past tense. Keywords: up to 6 to 8. (12pt).

### **GUIDELINES OF POSTER PRESENTATION**

Poster size will be strictly 24cm x 30 cm (Width/Height).

### **AWARDS**

Poster Presentation: The Best two posters would be selected for an award, separately for UG and PG students. Oral Presentation: The Best three oral presentations would be selected and awarded by the Research Scholar.

### **ROUTE MAP**

The distance between Egra Central Bus Stand to the venue is 2 km on Egra Bajkul Road.

### **REGISTRATION FEE**

	<b>Registration</b>
<b>Students (UG/PG) / Research Scholar</b>	<b>Rs. 400.00</b>
<b>Teachers/ Scientists/ Delegates</b>	<b>Rs. 600.00</b>

### **IMPORTANT DATES**

**Last date for submission of Abstract:** **15.03.2026**

### **Invitation from the Desk of the Organizing Committee**

We have the honour and great privilege to inform all concerned people, including Scientists, Academicians, Doctors, Health Professionals, Researchers, Microbiologists, Nutritionists, Students, Industry, and NGO Representatives from all parts of our country, to attend the 2-day national-level seminar on '**Gut Microbiome and Probiotics in Nutrition Science: Bridging Research and Industry.**'

You are cordially invited to participate in this seminar to share knowledge and inspire us to make the event a grand success.

**With Regards.**

## Organization committee:

Designation	Name & Affiliation
<b>Chief Patron</b>	<b>Sri Tarun Kumar Maity, President, Governing Body.</b>
<b>Patron</b>	<b>Dr. Chayan Ranjit, Teacher In-Charge.</b>
<b>Programme Coordinator</b>	<b>Prof. Somnath Sau, SACT-1 in Nutrition.</b>
<b>Organizing Secretary</b>	<b>Dr. Mamta Khatun, Assistant Professor in Botany</b>
<b>Joint Secretary</b>	<b>Prof. Esha Chakraborty, SACT-II in Nutrition</b>
<b>Convener</b>	<b>Dr. Maniklal Pati, Assistant Professor in Botany</b>
<b>Co-Conveners</b>	<b>Prof. Ankita Panda, Visiting guest in Nutrition Prof. Salini Das Prof. Pradeep Kumar Maity</b>

**Enclosure-II**

**2 Days National Level Seminar  
on  
'Gut Microbiome and Probiotics in Nutrition Science: Bridging  
Research and Industry'**

**Date: 6<sup>th</sup> April 2026 and 7<sup>th</sup> April 2026**

**Venue: Conference Hall, Egra S.S.B College, Egra, Purba Medinipur.**

**Organized by**

**Egra S.S.B College, Egra, Purba Medinipur,**

**Dist- Purba Medinipur, West Bengal.**

**Programme Details**

<b>DAY-01 6<sup>TH</sup> April, 2026</b>			
<b>Time</b>	<b>Session</b>	<b>Duration</b>	<b>Details</b>
9.00 AM- 10.00 AM	Registration of participants	1 hr.	Venue: Registration Desk, Conference Hall
10:00 AM – 11:30 AM	Inaugural Session	1 <sup>1/2</sup>	Venue: Conference Hall
		10 mins.	Welcome Address by Chief Guest and Patrons
		30 mins.	Inauguration by Plantation, Inaugural speech, Release of Souvenir: <b>Sri, Tarun Kumar Maity</b> , President of Egra S.S.B. College, (Inaugurator).
		20 mins.	Speech by the Chief Guest: To be decided
		20 mins.	Keynote address: Prof. Dilip Kumar Nandi, Professor, Paramedical & Allied Health Science, Midnapore City College
11:30 AM – 12:30 PM	Technical Session I	10 mins.	About the Seminar & Vote of Thanks: Prof. Somnath Sau, Dept. of Nutrition, Egra S.S.B College Dr. Maniklal Pati, Dept. of Botany, Egra S.S.B College
		Lecture-50 minutes+10 minutes	<b>Theme-1: Discovery of probiotics, postbiotics, and symbiotics; gut-derived</b>

Conference Hall		discussion=60 minutes)	<p>bioactive delivery systems and precision microbiome modulation.</p> <p><b>Chairperson: Dr. Koushik Das, Assistant Professor, Belda College</b></p> <p><b>Speaker: Dr. Debdutta Bhattacharya, Scientist E, ICMR Medical Research Centre, Bhubaneswar</b></p>
12:30 PM – 01:30 PM Conference Hall	Technical Session II	Lecture-50 minutes+10 minutes discussion=60 minutes)	<p><b>Theme-2: In-vitro and in-vivo studies; clinical trial design; gut-health biomarkers; gut-brain and gut-immune axis research.</b></p> <p><b>Chairperson: Dr. Sandeep Kumar Dash, Assistant Professor &amp; Head of Physiology, University of Gour Banga, Malda</b></p> <p><b>Speaker: Prof. Mahitosh Mandal, Chairman, School of Medical Science and Technology, IIT Kharagpur</b></p>
01:30 PM – 02:30 PM	Lunch Break	60 mins.	Venue-Food Court
02:30 PM – 03:30 PM	Technical Session III	Lecture-20 minutes+10 minutes discussion=30 minutes)	<p><b>Theme-3: In-silico and AI tools for microbiome profiling, strain selection, and functional prediction.</b></p> <p><b>Chairperson: Dr. Balaram Das, Assistant Professor &amp; Head of Physiology, BMLT, Belda College</b></p> <p><b>Speaker: Prof. Sandip Chattopadhyay, Professor&amp; Head of Bio-Medical Laboratory Science and Management, Vidyasagar University.</b></p> <p><b>Speaker: Prof. Dilip Kumar Nandi, Professor, Paramedical &amp; Allied Health Science, Midnapore City College</b></p>
03:30 PM – 04:30 PM	Poster Session	60 minutes	<b>UG and PG Students</b>
DAY 1 (03:30 P.M.- 5.30 P.M.) (Parallel Session Conference Hall)	Oral presentation	(20 minutes x 5=100 minutes+20 minutes discussion=120 minutes)	<b>Research Scholars</b>
<b>Day-2 7<sup>th</sup> April 2026</b>			

9 A.M- 10 A.M	Registration with Breakfast and Tea	1hrs.	Delegates
DAY 2 (10:00 A.M-12.00 P.M.) (Conference Hall)	Technical Session IV	Lecture-50 minutes+10 minutes discussion=60 minutes)	<p><b>Theme-4:</b> Startups and innovations; scalable production; strain stability; product formulation and functional food fortification.</p> <p><b>Chairperson:</b> Dr. Devastotra Poddar, Assistant Professor, Dept. of Nutrition, Belda College.</p> <p><b>Speaker:</b> Dr. Keshab Chandra Mondal, Professor &amp; Head of Microbiology, Vidyasagar University.</p> <p><b>Chairperson:</b> Dr. Rakhi Dey Sharma, Assistant Professor, Dept. of Physiology, Belda College.</p> <p><b>Speaker:</b> Prof. Paramita Bhattacharjee, Professor, Department of Food Technology and Biochemical Engineering, Jadavpur University.</p>
DAY 2 (12:00 A.M-02.00 A.M.) (Conference Hall)	Technical Session V	Lecture-50 minutes+10 minutes discussion=60 minutes)	<p><b>Theme-5:</b> Market trends; consumer behavior; regulatory frameworks (FSSAI, foods vs. drugs); import-export policies and commercialization strategies.</p> <p><b>Chairperson:</b> Dr. Mamta Khatun, Assistant Professor, Egra S.S.B College</p> <p><b>Speaker:</b> Dr. Pubali Dhar, Professor, Department of Home Science, University of Calcutta.</p> <p><b>Speaker:</b> Shweta Parida, Assistant Professor, Department of Food Science, Technology, and Nutrition, Sambalpur University, Sambalpur</p>
DAY 2 (02:00 A.M-02.30 A.M.)	Lunch Break	30 mins.	Venue-Food Court
DAY 2 (02:30 A.M-03.30 A.M.)	Valedictory Session	1 hr	<b>President:</b> Principal/TIC, Egra S.S.B College

(Conference Hall)			
	Speech for Conference Concluding	30 min	<b>Dr. Chayan Ranjit, TIC, Egra S.S.B College</b>
	Valedictory Speech	30 mins	<b>IQAC Coordinator</b>
	Feedback from participants	20 mins	<b>Participant</b>
	Vote of Thanks	10 mins	<b>Prof. Esa Chakraborty, Dept. of Nutrition, Egra S.S.B College Prof. Ankita Panda, Dept. of Nutrition, Egra S.S.B College</b>

*Prof. Somnath Saun,*  
*SACT-1, Dept. of Nutrition,*  
*Egra S.S.B College.*  
 Programme Coordinator

Organizing Committee of the Seminar

Email: somnathsaunutrition.2017@gmail.com

Ph No: 9800197285

  
 Dr. Chayan Ranjit  
 13/12/25

Teacher In-charge, Egra S.S.B College

**Dr. Chayan Ranjit**  
**Teacher In-Charge**  
**Egra S.S.B. College**  
**Egra, Purba Medinipur**

