



# Programme Schedule



7<sup>th</sup>

## Regional Science & Technology Congress 2024-25

**Region-3:**

**(Burdwan Division)**

Jointly Organized by

**Rampurhat College**

&

**Department of Science & Technology and  
Biotechnology,  
Government of West Bengal**

**Address: Rampurhat, Birbhum, PIN-731224, West Bengal, INDIA**

**Email: [rstczone3.rpc@gmail.com](mailto:rstczone3.rpc@gmail.com)**

**Nodal Officer: +91-9735333399**

**EVENT VENUE AND TIMING**

**JANUARY 10-11, 2025 | RAMPURHAT COLLEGE**

PROGRAMME AT A GLANCE		
TIMING	DAY-1: FRIDAY, 10 <sup>TH</sup> JANUARY, 2025	DAY-2: SATURDAY, 11 <sup>TH</sup> JANUARY, 2025
08:00AM - 10.00AM	REGISTRATION / BREAKFAST	REGISTRATION / BREAKFAST
10:00AM - 12.30PM	INAUGURAL SESSION & KEYNOTE ADDRESS	
10:00AM - 10.15AM		OPENING CEREMONY SESSION (DAY-2)
10:15AM - 11.00AM		SIR ACHARYA JAGADISH CHANDRA BOSE (1858 - 1937) MEMORIAL LECTURE
11:00AM - 11.45AM		SIR CHANDRASEKHARA VENKATA RAMAN (1888 - 1970) MEMORIAL LECTURE
11:45AM - 01.00AM		TECHNICAL SESSIONS
12:15PM - 01.00PM	PROF. PRASANTA CHANDRA MAHALANOBIS (1893 -1972) MEMORIAL LECTURE	
01:00PM - 02.00PM	LUNCH BREAK	
02:00PM - 05.00PM	TECHNICAL SESSIONS	
02:00PM - 03.45PM		TECHNICAL SESSIONS
03:45PM - 04.30PM		SPECIAL SESSION
04:30PM ONWARDS		VALEDICTORY SESSION & AWARD CEREMONY
05:00PM - 06.00PM	STUDENTS' INTERACTIVE SESSION	
06:15PM ONWARDS	CULTURAL EVENING	
08:15PM - 09.15PM	DINNER	

# 1<sup>st</sup> Day's Events: Timed Overview

## Day 1: January 10<sup>th</sup>, 2025 (FRIDAY)

**Opening of the Registration Desk: 8:00 A.M. to 10:00 A.M.**

**Breakfast: 8:00 A.M. to 10:00 A.M.**

(Venue- Rampurhat College Campus, Rampurhat)

### Inaugural Session:

(Venue-Main Stage, Rampurhat College Campus)

(10:00 A.M. - 12:30 P.M.)

Timings	Programme Outline
10:00 - 10:15 A.M.	<ul style="list-style-type: none"><li>Welcoming of the Dignitaries on the Dais, Floral Reception</li><li>State Song</li><li>Lightning the Lamp by the Dignitaries</li><li>Abstract Volume unveil on the Dais by the Honourable Guest</li></ul>
10:15 - 10:20 A.M.	<b>Welcome Address:</b> <b>Dr. Prabal Kumar Sinha,</b> Principal, Rampurhat College, Rampurhat, Birbhum, West Bengal, India
10:20 - 10:25 A.M.	<b>Special Address:</b> <b>Dr. Asish Banerjee,</b> Honourable Deputy Speaker of the West Bengal Legislative Assembly, Government of West Bengal, India
10:25 - 10:30 A.M.	<b>Special Address:</b> <b>Shri Fayezul Hoque,</b> Honourable Sabhadipati, Birbhum Zilla Parishad
10:30 - 10:35 A.M.	<b>Special Address:</b> <b>Smt. Satabdi Roy,</b> Honourable Member of Parliament, India, Government of India
10:35 - 10:40 A.M.	<b>Special Address:</b> <b>Shri Asit Kumar Mal,</b> Honourable Member of Parliament, India, Government of India
10:40 - 10:45 A.M.	<b>Special Address:</b> <b>Shri Bidhan Ray,</b> District Magistrate, Birbhum
10:45 - 10:50 A.M.	<b>Special Address:</b> <b>Shri Raj Narayan Mukherjee,</b> IPS, Superintendent of Police, Birbhum
10:50 - 10:55 A.M.	<b>Special Address:</b> <b>Shri Saurav Pandey,</b> Sub-Divisional Officer, Rampurhat
10:55 - 11:00 A.M.	<b>Special Address:</b> <b>Shri Gobinda Sikdar,</b> Sub-Divisional Police Officer, Rampurhat
11:00 - 11:05 A.M.	<b>Special Address:</b> <b>Shri Soumen Bhakat,</b> Chairman, Rampurhat Municipality
11:05 - 11:10 A.M.	<b>Special Address:</b> <b>Prof. Suman Kumar Dhar,</b> Vice-Chancellor, TERI School of Advanced Studies, New Delhi
11:10 - 11:15 A.M.	<b>Special Address:</b> <b>Prof. Sourangshu Mukhopadhyay,</b> Vice-Chancellor, Mahatma Gandhi University, Purba Medinipur
11:15 - 11:20 A.M.	<b>Special Address:</b> <b>Shri Amiya Kumar Kalidaha</b> Nodal Officer of the DSTBT, Govt. of West Bengal and Joint Organizing Secretary
11:20 -	<b>Inaugural Address:</b> <b>Shri Ujjal Biswas,</b>

10:35 A.M.	Honourable Minister-In-Charge, Department of Science and Technology and Biotechnology, Government of West Bengal, India
11:35 - 11:40 A.M.	<b>Vote of Thanks</b> <b>Dr. Jayanta Das</b> Nodal Officer of the Rampurhat College and Joint Organizing Secretary
11:45 A.M. - 12:30 P.M.	<b>Keynote Address on</b> <b>“Science and Technology for Sustainable Development”</b> <b>Keynote Speaker:</b> <b>Prof. Naba Kumar Mondal</b> INSA Senior Scientist, Saha Institute of Nuclear Physics, Kolkata, West Bengal, India

**Prof. Prasanta Chandra Mahalanobis (1893 -1972) Memorial Lecture**  
(Venue-Main Stage, Rampurhat College Campus)

12:30 - 1:15 P.M.	<b>Memorial Lecture:</b> <b>Prof. Suman Kumar Dhar</b> Vice Chancellor, TERI School of Advanced Studies: A Deemed University Institutional Area, Vasant Kunj, New Delhi <b>Title of the Talk:</b> <b>“Human gastric pathogenic bacterium Helicobacter pylori: Implications in health and diseases”</b>
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----- **Lunch Break** -----

**Venue: Food Court**

**(01:15 - 02:00 P.M.)**

## Technical Sessions

**Day 1: January 10<sup>th</sup>, 2024 (Friday)**

**(Venue- UG & PG Departments, Rampurhat College, Rampurhat)**  
**(02:00 P.M. – 05:00 P.M.)**

### Technical Session - 1

<b>Discipline-1:</b>	<b>Physical Sciences</b>	
<b>Venue</b>	<b>Date</b>	<b>Session Duration</b>
Physics 3, Dept. of Physics, Science Building	January 10 <sup>th</sup> , 2025	02:00 P.M. – 05:00 P.M.

<b>Invited Talk:</b>	<b>Prof. Sourangshu Mukhopadhyay</b> Vice-Chancellor, Mahatma Gandhi University, Purba Medinipur
<b>Title of the Talk:</b>	<b>“Legacy of communication and its future trends”</b>
<b>Session Judge:</b>	<b>Prof. Pathik Kumbhakar</b> Professor, Durgapur NIT
<b>Session Judge:</b>	<b>Prof. Prabir Kumar Haldar</b> Professor, Cooch Behar Panchanan Barma University
<b>Rapporteur:</b>	<b>Dr. Debajyoti Samanta,</b> Associate Professor of Physics, Rampurhat College
<b>Co-ordinator:</b>	<b>Dr. Malayendu Saha,</b> Assistant Professor of Physics, Rampurhat College

SL No.	ID	Presenting Principal Author & Co-author	Designation of the Principal Author	Affiliation	Title of the Paper
1	030947	Dr Monoj Das	Assistant Professor	Gushkara Mahavidyalaya	Structural and Electronic Characteristics of Zig-Zag Cdse Nanotubes: A Density Functional Study
2	021512	Ayan Dey	Research Scholar	The University of Burdwan	Frequency Encoded Manchester Data Using Photonic Band Gap (Pbg) Crystal
3	050704	Chandra Narayan Bairagya	Chandra Scientific Research Centre	Owner	Multistep Magnifier Based Mini Microscope Monocular Vision Transferred on The LCD Monitor of Camera
4	015231	Dr Tamal Sarkar	Assistant Professor	Rampurhat College	Enhanced Adsorption of Methylene Blue and Heavy Metal Ion Using New Chitosan-Silica-Tio <sub>2</sub> Nanocomposite Gel
5	092727	Tuya Dey	Research Scholar	Visva-Bharati	Two Dimensional Scte2 Nanosheet as Efficient Electrode Material for Sodium-Ion Batteries Using Density Functional Theory
6	122842	Mir Nadim Sarfaraj	Research Scholar	The University of Burdwan	All-Optical QFSK Demodulator Using Photonic Crystal
7	021942	Chittrak Sarkar	Research Scholar	The University of Burdwan	Dynamical Analysis: A Comprehensive Method of Visualization of Early Cosmological Inflation in Phase Space
8	085021	Debtanu Ghosh	State Aided College Teacher	Vivekananda Mahavidyalaya	Correlation of Dislocation Substructure in Cold-Rolled Aluminium Determined Using X-Ray Diffraction Peak Profile Analysis with Numerical Dislocation Density Calculation
9	013323	Agniswar Mukherjee	Student	The University of Burdwan	Superfast Optical Switching Elements
10	041227	Amit Kumar Das	Research Scholar	Bankura University	Burst Modulation by Transcriptional Reinitiation in Stochastic Gene Expression
11	113552	Swarup Kumar Neogi	Assistant Professor	Sambhu Nath College Labpur Birbhum	Effect Of Annealing Temperature Treatment and Mg Substitution on Structure, Optical and Magnetic Property Study of Co1-Xmgxfe2o4 Nanoparticles
12	113724	Malayendu Saha	Assistant Professor	Rampurhat College	Analysis Of Quantum Computing and its Sustainable Developments
13	011444	Prajna Mukherjee	Assistant Professor	Bolpur College	Density Functional Theory Study of Gas Molecules Inactivation Pathway on Pristine Germanene Nanosheet
14	080314	Sudin Singh	Assistant Professor	Bolpur College	On The Rényi And Tsallis Entropies Of 2p Orbital Helium Atom
15	112700	Wasim Raja	Research Scholar	Seacom Skills University	Light Nuclei Production Mechanisms in Relativistic Heavy Ion Collisions
16	064058	Subhadip Paul	Research Scholar	Kazi Nazrul University	Exotic Magnetoresistance and Photogeneration in Hybrid Inorganic-Organic-Based Ito/Co/C60/V(Tene)2/C60/Co/Au Dual Spin Valve
17	091559	Rupam Ray	Student	Seacom Skills University	Effects Of External Magnetic Field on Evolution of Hadrons and Nuclei
18	110819	Amit Chandra Das	Assistant Professor	Turku Hansda Lapsa Hemram Mahavidyalay	Electromagnetic Energy Harvesting: Metamaterial Design and Analysis
19	112902	Dr Kalan Mal	Associate Professor	Suri Vidyasagar College	Microwave Assisted Optical Switching in Inverted-Y Type Atomic System

## Technical Session - 2

<b>Discipline-4:</b>	<b>Engineering Science and Technology</b>	
<b>Venue</b>	<b>Date</b>	<b>Session Duration</b>
Room No.: 115 PG Building	January 10 <sup>th</sup> , 2025	02:00 P.M. – 05:00 P.M.

<b>Invited Talk:</b>	<b>Prof. Debatosh Guha</b> Professor Institute of Radio Physics and Electronics, University of Calcutta
<b>Title of the Talk:</b>	<b>“Creativity and Innovation: Challenges in Scientific Research”</b>
<b>Session Judge:</b>	<b>Prof. Atul Krishna Banik</b> Professor, Civil Engineering, National Institute of Technology, Durgapur
<b>Session Judge:</b>	<b>Prof. Ardhendu Sekhar Patra,</b> Director, Science Centre for Interdisciplinary Studies, Professor, Department of Physics, Sidho-Kanho-Birsha University, Purulia
<b>Rapporteur:</b>	<b>Dr. Anup Saha,</b> Assistant Professor of Mathematics, Rampurhat College
<b>Co-ordinator:</b>	<b>Prof. Gour Prasad Pramanik,</b> SACT-II, Physics, Rampurhat College

SL No.	ID	Presenting Principal Author & Co-author	Designation of the Principal Author	Affiliation	Title of the Paper
1	010902	Ayan Dey	Research Scholar	The University of Burdwan	Implementation of Polarization Encoded Quantum Optical Latch Using SOA
2	111019	Abhinaba Jash	Student	University Institute of Technology	I-SoLace: Bridging Communication Gaps Through Real-Time Translation of Spoken Language into Indian Sign Language
3	112230	Abhiroop Chatterjee	PhD Scholar	Jadavpur University	PerspexNet: A Multi-View Neural Architecture with Pixel Rolling and Joint Feature Learning
4	114248	Aishik Ghorai	Student	University Institute of Technology	Savitr-AI: A Novel Dynamic AI-Driven Postal Delivery System
6	125011	Ashika Jaiswal	Student	Durgapur Institute of Advanced Technology and Management	Development & Optimization of a Responsive MERN App
7	044309	Avishek Chakraborty	Assistant Professor	Academy Of Technology	An Innovative MCGDM Model to Detect the Best Online Travel-Management Provider under Spherical Linguistic Arena
8	033512	Ayush Kushwaha	Student	Bengal College of Engineering and Technology	Student Attainment Management System
9	043511	Purba Banerjee	Research Scholar	Visva Bharati	Optimized Parkinson's Disease Identification Through Gait Patterns and Keystroke Dynamics Using Imbalanced Ensemble Learning Techniques
10	011216	Bikash Dutta	Student	University Institute of Technology	A Decentralized Voting System with Iris-Based Authentication
11	043158	Debjoyoti Ghosh	Research Scholar	Visva Bharati	Human Gait Identification from Smart Device Data
12	115526	Dr Tanmoy Singha	DEAN Academic	Asansol Institute of Engineering and Management Polytechnic	An Approach to Fitness Based Adaptation Differential Evolution Optimization Technique for data clustering based on fitness function

## Technical Session -3

<b>Discipline-5:</b>	<b>Earth Sciences Including Geoinformatics and Hydrogeology</b>	
<b>Venue</b>	<b>Date</b>	<b>Session Duration</b>
Room No.: <b>112</b> Geography Dept., Library Building	January 10 <sup>th</sup> , 2025	02:00 P.M. – 05:00 P.M.

<b>Invited Talk:</b>	<b>Prof. Biplab Biswas</b> , Professor, Department of Geography, and Department of Geospatial Science, The University of Burdwan
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<b>Title of the Talk:</b>	<b>“Geospatial Science for Sustainability – Decoding the Link among Geoinformatics, Hydrology, and the SDGs”</b>
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<b>Session Judge:</b>	<b>Prof. Ranjan Roy</b> , Professor, Department of Geography & Applied Geography, University of North Bengal
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<b>Session Judge:</b>	<b>Prof. Brototi Biswas</b> Professor, Department of Geography & Resource Management, Mizoram University
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<b>Rapporteur:</b>	<b>Prof. Asraful Alam</b> , Assistant Professor of Geography, Rampurhat College
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<b>Co-ordinator:</b>	<b>Dr. Pramesh Chettri</b> , Assistant Professor of Commerce, Rampurhat College
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SL No.	ID	Presenting Principal Author & Co-author	Designation of the Principal Author	Affiliation	Title of the Paper
1	085928	Piu Saha	Research Scholar	University Of North Bengal	Integrated Drought Vulnerability Assessment Using GIS Based ANP In Rarh Region of West Bengal
2	100210	Asraful Alam	Assistant Professor	Rampurhat College	River Channel Migration and Bank Erosion of The Tista River and Its Impact on Riparian Dwellers in Sub-Himalayan West Bengal, India
3	042533	Ratan Pal	Research Scholar	The University of Burdwan	Deteriorating Soil Health: Erosion And Its Impact on Degrading Soil Fertility in The Silabati Basin, West Bengal
4	092702	Biplab Biswas	Professor Of Geography	The University of Burdwan	Human Induced Rainfall-Runoff Modelling in Kolkata and Surrounding Region
5	072006	Barun Ghosh	Student	University Of Gour Banga	Importance-Performance Analysis Framework for The Sustainable Management of Pondscales: Integrating Ecosystem Services and Basic Needs.
6	115925	Dr. Bhaswati Mondal	Assistant Professor	Rampurhat College	Assessment Of Land Degradation Due to Stone Quarrying Using RS and GIS: A Study Along the West Bengal – Jharkhand Border
7	044032	Shilpita Nandi	Student	Visva-Bharati	Geospatial Analysis of Land Surface Temperature Variations in Bolpur and Rampurhat
8	100955	Dr. Niladri Das	Assistant Professor	Hiralal Bhakat College	Beneath The Surface: Safeguarding Groundwater for Our Future of Birbhum District, West Bengal
9	104951	Kuntala Kundu	Student	Geoinformatics, Department of Remote Sensing	Earth Observation Data as Used for Crop Insurance



10	044308	Basudev Roy	Research Scholar	The University of Burdwan	Hydrogeomorphic Nature Of Active Tidal Channels in The Active Delta of Indian Sundarbans
11	102427	Payel Mandal	Student	Durgapur Government College	Studies On Plant-Animal Interactions Present Within Glossopteris Leaf Fossils from The Barakar Formation, Damodar Basin, West Bengal
12	094155	Tanmoy Basu	State Aided College Teacher	Katwa College	Geospatial Analysis of Groundwater Potentiality and Utilization Pattern of Irrigation for The Agriculture Development in Puruliya District, West Bengal in India
13	012155	Shoubhanik Mitra	Junior Research Fellow	Indian Institute of Technology	Investigation Of Balianala Landslide Using Sar Interferometry
14	041832	Sonu Hansda	Assistant Professor	University Of Calcutta	Morphotectonic Characterization of The Karakoram Fault System: Integrated Remote Sensing and Dem Approach
15	111730	Susmita Mondal	Independent Researcher	--	A Granulometric Study of Pebble Size Analysis in Selected Sample Sites Along the Upper Course of Kasai River, Purulia, West Bengal

## Technical Session -4

<b>Discipline-6:</b>	<b>Botany</b>	
<b>Venue</b>	<b>Date</b>	<b>Session Duration</b>
Room No.: 105 Humanities Building	January 10 <sup>th</sup> , 2025	02:00 P.M. – 05:00 P.M.

<b>Invited Talk:</b>	<b>Prof. Krishnendu Acharya</b> Professor and Head, Department of Botany, University of Calcutta
<b>Title of the Talk:</b>	<b>“From Idea to Income: Creating a Low-cost Business with What You Know”</b>
<b>Session Judge:</b>	<b>Prof. Prakash Karmakar</b> Professor, Department of Botany and Forestry, Vidyasagar University
<b>Session Judge:</b>	<b>Prof. Rajib Bandopadhyay</b> Professor, The University of Burdwan
<b>Rapporteur:</b>	<b>Dr. Ujjwal Layek,</b> Assistant Professor of Botany, Rampurhat College
<b>Co-ordinator:</b>	<b>Prof. Bappaditya Saha,</b> Assistant Professor of Commerce, Rampurhat College

SL No.	ID	Presenting Principal Author & Co-author	Designation of the Principal Author	Affiliation	Title of the Paper
1	120255	Ujjwal Layek	Rampurhat College	Assistant Professor	Wrong-Target Visits of Pollinators: A Newly Recognized Phenomenon on Bitter Gourd ( <i>Momordica Charantia</i> L.) And Assessing Its Impacts on Plant Reproduction
2	105414	Uday Das	Rampurhat College	Assistant Professor	Anato-Pharmacognostic and Preliminary Phytochemical Investigations of <i>Oxalis Corniculata</i> L. ( <i>Oxalidaceae</i> ): A Potent Medicinal Plant Used in Traditional Medicine
3	100045	Nasrin Parvin	The University of Burdwan	Research Scholar	Harnessing Rhizobacterial Exopolysaccharides to Mitigate Salinity

					Stress in Aromatic Rice Cultivars Gobinda Bhog and Badshah Bhog
4	021418	Santanu Gupta	Malda College	Assistant Professor	Artificial Neural Network: An Effective Tool to Harness the Growth Promotive Potency of Different Formulations from Biomass of Lesser Duckweeds ( <i>Lemna Minor</i> L.)
5	081029	Supriti Ghosh	Murshidabad University	Student	A Competitive Study on Phytochemicals & Antioxidant Profile in Different Solvent Extracts Between the Dual Rhizomes: <i>Zingiber Officinale</i> Roscoe and <i>Curcuma Longa</i> L.
6	101038	Subrata Mondal	The University of Burdwan	Research Student	Secrets Behind the Success of <i>Avicennia</i> in The Indian Sundarbans: Exploring Wood Anatomical Adaptations
7	120903	Abdul Aziz	Hooghly Mohsin College	Student	Study Of the Potential Threat of Heavy Metal (Mercury, Hg) On Early Seedling Biology of Maize [ <i>Zea Mays</i> L. Var. 4226 (Hybrid Corn)] With an Effect of Chemo-Remediation
8	121850	Somenath Das	Burdwan Raj College	Assistant Professor	Entrapment Of <i>Cymbopogon Citratus</i> (Dc.) Stapf. Essential Oil in Chitosan Nano-Matrix for Mitigation of Aflatoxins Induced Nutritional and Quality Deterioration of Post-Harvest Wheat Grains
9	104059	Rajendra Kr Roy	The University of Burdwan	UGC Senior Research Fellow	Ku04amp01 Eliminates Gram Negative Pathogens by Damaging Cellular Barrier and Genomic DNA
10	031312	Morali Biswas	Durgapur Government College	Research Scholar	Macrophytes Diversity and Ecological Health in Bakreswar Wetland Ecosystem
11	033834	Baishakhi Ghosh	University Of North Bengal	Research Scholar	Mango ( <i>Mangifera Indica</i> L.) Leaf- A Potential Pool of Antioxidants: In Vitro Antioxidant Assay, Gc-Ms Analysis and Molecular Docking
12	051717	Smriti Pramanik	Visva Bharati	Assistant Teacher	Characterization Of Rice Phyllosphere-Associated Bacteria with Biocontrolling and Plant-Growth Promoting Activities
13	050455	Arijit Kundu	Vidyasagar University	Research Scholar	Floral Biology and Pollination Ecology of <i>Justicia Gendarussa</i> Burm. F. (Acanthaceae): An Assessment of Pollination Deficit
14	074326	Sandipa Saha	Kazi Nazrul University	Research Scholar	Medicinal Use of Local Vegetation of Three Blocks of Bankura District

## Technical Session - 5

<b>Discipline-7:</b>	<b>Zoology</b>	
<b>Venue</b>	<b>Date</b>	<b>Session Duration</b>
Room No.: Zoology 2 Zoology Dept, Library Building	January 10 <sup>th</sup> , 2025	02:00 P.M. – 05:00 P.M.

<b>Invited Talk:</b>	<b>Prof. Sib Sankar Roy</b> Principal Scientist, Cell Biology & Physiology Division, CSIR-Indian Institute of Chemical Biology
<b>Title of the Talk:</b>	<b>“Mechanistic understanding and therapeutic strategies of women-centric cancer”</b>
<b>Session Judge:</b>	<b>Prof. Asamanja Chattoraj,</b> Professor, Department of Animal Science, Kazi Nazrul University, Asansol



<b>Session Judge:</b>	<b>Prof. Sudipta Maitra</b> Professor, Department of Zoology, Visva Bharati
<b>Rapporteur:</b>	<b>Dr. Rajyosree Roy,</b> Assistant Professor of Zoology, Rampurhat College
<b>Co-ordinator:</b>	<b>Dr. Alpna Mukhuty,</b> Assistant Professor of Zoology, Rampurhat College

SL No.	ID	Presenting Principal Author & Co-author	Designation of the Principal Author	Affiliation	Title of the Paper
1	043906	Koushik Kumar Dey	Research Scholar	Visva-Bharati	Chronic exposure to lead causes neurotoxicity by generating oxidative stress and inducing DNA damages in zebrafish brain: involvement of Nrf2-Keap1 regulation and DNA repair pathways
2	062850	Sreejata Kamila	Research Scholar	Visva-Bharati	Mixture of arsenic and chromium induces erythrocytic nuclear abnormalities and alters the expression of DNA repair, tumor suppressor and apoptotic genes in liver of zebrafish
3	082035	Nasima Sultana	Research Scholar	The University of Burdwan	Association Of ADRB2 Gene Polymorphic Variant G46A (rs1042713) With Chronic Obstructive Pulmonary Disease Between Smoker and Non-Smoker Patients from West Bengal
4	123310	Neha Chowdhury	Research Scholar	M. U. C. Women's College	Angoumois grain moth, Sitotroga cerealella (Olivier): Bioecology and Management
5	044217	Dr. Anindita Goswami	Assistant Professor	Adamas University	Exploring Genetic Heritage and Microbial Diversity in Tribal Societies: Lifestyles and Health
6	050217	Jit Marick	Research Scholar	The University of Burdwan	Past, Present and Future: Fish parasitology, Evolution and a Unique Tapeworm
7	055400	Bratatee Sardar	Research Scholar	M. U. C. Women's College	Influence of host diversity on the ecology and control of the Oriental fruit fly Bactrocera dorsalis (Hendel) (Diptera: Tephritidae)
8	120241	Koushik Jana	Student	Kazi Nazrul University	Larvicidal Effect of Crude Extract and Silver Nanoparticles Derived from Ficus virens against Aedes albopictus
9	010451	Rohini Nandi	Research Scholar	Central Drug Research Institute	Plasmodium sporozoite invasion protein (SIP) plays a critical role during sporozoite infection of the mammalian liver
10	013528	Ankita Chakraborty	Research Scholar	Kazi Nazrul University	Luteolin re-defined as a potent phyto-molecule against Metastatic Colon Carcinoma
11	013900	Suman Dasmodak	Research Scholar	Kazi Nazrul University	Assessment of the larvicidal effectiveness of silver nanoparticles synthesized from Protium serratum against the dengue vector - Aedes albopictus
12	015350	Subhranka Paramanik	Project JRF	Kazi Nazrul University	Critical circulating miRNAs related to pathogenesis and immunity in human filariasis: profiling and analysis of structure

<b>Discipline-9:</b>		<b>Physiology and Medical Sciences including Forensic Sciences</b>			
<b>Venue</b>		<b>Date</b>		<b>Session Duration</b>	
Room No.: 205 Dept. of History, Office Building		January 10 <sup>th</sup> , 2025		02:00 P.M. – 05:00 P.M.	
<b>Invited Talk:</b>	<b>Prof. Chandradipa Ghosh</b> Professor, Department of Human Physiology, Vidyasagar University				
<b>Title of the Talk:</b>	<b>“Antibiofilm approaches with herbal extracts in management of bacterial infections”</b>				
<b>Session Judge:</b>	<b>Prof. Sanjit Dey,</b> Professor, Dept. of Physiology, University of Calcutta				
<b>Session Judge:</b>	<b>Prof. (Dr.) Tamal Kanti Ghosh</b> Faculty, Gouri Devi Institute of Medical Sciences and Hospital, Durgapur				
<b>Rapporteur:</b>	<b>Dr. Priyanka Chakraborty,</b> Assistant Professor of Mathematics, Rampurhat College				
<b>Co-ordinator:</b>	<b>Prof. Ranjit Kapuri,</b> SACT-II, Zoology, Rampurhat College				
SL No.	ID	Presenting Principal Author & Co-author	Designation of the Principal Author	Affiliation	Title of the Paper
1	104146	Amarnath Prasad	Clinical Tutor Prosthetics and Orthotics	National Institute for Locomotor Disabilities (Divyangjan)	Comparative Study Between Foot Abduction Splint (Boot and Bar Type) and Dynamic Torsion KAFO in Subjects with Idiopathic CTEV
2	084254	Aniket Singh	Assistant Professor	Syamsundar College,	Larvicidal, pupicidal and repellence efficacies of Barleria lupulina (Acanthaceae) against vector of dengue Aedes aegypti L.
3	122544	Atanu Saha	Assistant Professor	Sister Nibedita Government College for Girl	Enhancing Occupational Health and Well-Being of Traffic Police Officers: Addressing Environmental, Psychosocial and Physiological Risks
4	093103	Bani Bala	Student	Hooghly Mohsin College	Rhodium as an Anticancer as well as Carcinogenic - A Controversial Truth
5	124126	Jaydeep Dey	State Aided College Teacher	M.U.C. Women's College	Episode of Homeopathic Medicine Treatments' Edge: A Recent Study done with the Internet Application
6	090022	Kanchan Mukherjee	Research Scholar	University of Calcutta,	Can Music subdue Pain?
7	094527	Mamani Karjee	Student	Hooghly Mohsin College	Role of paneth cell in antimicrobial activity through secretion of antimicrobial peptide
8	052215	Ankita Gon	Assistant Professor	Adamas University	Exploring the Antibiotic Susceptibility Patterns of Microorganisms Isolated from Human Stool Samples
9	023024	Najmin Parbin	Student	M.U.C. Women's College	Online Telepsychiatric Healthcare Systems' Security Reinforcement: Neural Session Key Generation through Soft Computing
10	084102	Priyanka Ghosh	Research Scholar	Serampore College	Gonadotropin ratios and its implications in gallstone susceptibility: a cross-sectional study
11	044749	Pronisha Biswas	Student	Serampore College	The Gut-Ovary Connection: Exploring the Role of Gut Microbiota in Polycystic Ovarian Syndrome (PCOS)
12	092347	Rajarshi Paul	Research Scholar	Serampore College	Investigation on the occupational health hazards through Biomechanical Study on the Working Upper Limbs of Manual Handloom weavers in Hooghly District

13	111813	Rajen Dey	Assistant Professor	Swami Vivekananda University	Adjunctive Dexamethasone Treatment Heals Bacterial Brain Abscess via Potential Cross-Talking between TLR2 and Glucocorticoid Receptor
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## Technical Session - 7

<b>Discipline-10:</b>	<b>Environmental Sciences including Climate Change</b>	
<b>Venue</b>	<b>Date</b>	<b>Session Duration</b>
Room No.: 201 Office Building	January 10 <sup>th</sup> , 2025	02:00 P.M. – 05:00 P.M.

<b>Invited Talk:</b>	<b>Prof. Naba Kumar Mondal</b> Professor, Department of Environmental Science, The University of Burdwan
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<b>Title of the Talk:</b>	<b>“Waste-to-value: Towards a circular economy”</b>
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<b>Session Judge:</b>	<b>Prof. Shasanka Kumar Gayen,</b> Professor, Department of Geography, Cooch Behar Panchanan Barma University
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<b>Session Judge:</b>	<b>Prof. Deepak Kumar Mandal,</b> Professor, Department of Geography & Applied Geography, University of North Bengal
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<b>Rapporteur:</b>	<b>Dr. Bhaswati Mondal,</b> Assistant Professor of Geography, Rampurhat College
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<b>Co-ordinator:</b>	<b>Dr. Rinchu Doma Dukpa,</b> Assistant Professor of Economics, Rampurhat College
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SL No.	ID	Presenting Principal Author & Co-author	Designation of the Principal Author	Affiliation	Title of the Paper
1	065529	Sk Mohibul	Research Scholar	Jamia Millia Islamia	Assessing The Role of Wetlands in Ecosystem Services: A Valuation and Importance-Performance Analysis in Kolkata Metropolitan Area
2	034700	Abhishikta Ghosh	Student	Visva Bharati	Impact Of Idol Immersion
3	085649	Debojyoti Mishra	Research Scholar	The University of Burdwan	Application Of Green Synthesized Seps from Croton Bonplandianus Towards Amelioration of Arsenic Toxicity in Oreochromis Mossambicus Through Dietary Exposure
4	105855	Kamalesh Sen	State Aided College Teacher	Syamsundar College	Magnetic Functionalized Chitin Derived from Prawn Shells for Uranium (VI) And Arsenic (V) Adsorption: An Experimental and Modeling Study
5	015122	Rajesh Koley	Research Scholar	The University of Burdwan	Management Of Solid Waste Through Intervention of Calcium Oxide Nanoparticles Towards Safe Cultivation of Rice in Fluoride Contaminated Soil
6	070251	Rajdeep Singha Roy	Student	University Of Kalyani	Microplastics In Fish from The East Kolkata Wetlands and Adjacent Districts
7	100333	Dr Basudeb Sarkar	Assistant Professor	Rampurhat College	Dichotomy Between Literature and Science: Contextualising the Rivers of Bengal
8	121723	Moitri Let	Research Scholar	Burdwan University	Application Of Urease-Mediated Biosynthetic Crystals for Defluoridation of Contaminated Groundwater
9	011451	Susmita Roy	PG Student	The University of Burdwan	Assessment Of Urban Heat Stress and Environmental Transformation: A

					Comprehensive Study Over Three Decades on Rampurhat I CD Block, Birbhum District, West Bengal
10	025541	Prativa Joydhar	Research Scholar	The University of Burdwan	Screening Of Multi-Metal Tolerating Ureolytic Bacteria for Biomineralization of Heavy Metals Using Microbially Induced Calcite Precipitation (MICP) Technique
11	030004	Karuna Soren	Research Scholar	The University of Burdwan	Comparative Study of Bacterial Diversity of Mud Volcanoes Between Two Different Climates
12	045856	Ayan Saha	Research Scholar	The University of Burdwan	Exploring Soil Quality in Agricultural Fields Affected by Coal Mining: A Case Study of Raniganj Block, West Bengal, India

## Technical Session -8

<b>Discipline-11:</b>	<b>Agriculture, Horticulture, Fisheries and Veterinary Science</b>	
<b>Venue</b>	<b>Date</b>	<b>Session Duration</b>
Room No.: 114 PG Building	January 10 <sup>th</sup> , 2025	02:00 P.M. – 05:00 P.M.

<b>Invited Talk:</b>	<b>Dr. Subrata Mondal</b> Senior Scientist and HoD, Rathindra Krishi Vigyan Kendra Palli Siksha Bhavanan (Institute of Agriculture, Visva-Bharati Sriniketan, Birbhum, W.B. Professor, Dept. of Plant Pathology, BCKV
<b>Title of the Talk:</b>	<b>“Natural Farming – an Overview”</b>
<b>Session Judge:</b>	<b>Prof Ranjan Nath</b> Professor, Department of Plant Pathology, Visva Bharati
<b>Session Judge:</b>	<b>Prof. Biswarup Saha</b> Professor, Fishery Extension, West Bengal University of Animal and Fishery Sciences
<b>Rapporteur:</b>	<b>Prof. Pradip De,</b> Associate Professor of Zoology, Rampurhat College <b>Dr. Sudipa Nag,</b> Associate Professor of Botany, Rampurhat College
<b>Co-ordinator:</b>	<b>Dr. Koyel Mukherjee,</b> SACT-I, Geography, Rampurhat College

SL No.	ID	Presenting Principal Author & Co-author	Designation of the Principal Author	Affiliation	Title of the Paper
1	090808	Dibyendu Acharya	Research Scholar	The University of Burdwan	Supplementation of Tamarindus indica Leaf Powder in a Bio-processed Plant Leaf Incorporated Diet Improved Growth, Antioxidant Status and Immunity in Rohu, Labeo rohita (Hamilton)
2	122214	Priyanka Chowdhury	Faculty of Fishery Sciences	West Bengal University of Animal and Fishery Sciences	Influence of Socio-economic and Psychological Characteristics of SHG Members on Empowerment of Tribal Women through Fisheries
3	105253	Dr. Koyel Mukherjee	SACT 1	Rampurhat college	An Assessment of Crop Suitability for Sustainable Agriculture and Economic Development in South Western part of

					Birbhum District Using Analytical Hierarchy Process (AHP)
4	072706	Debasish Banerjee	SACT 1	Rampurhat College	Agriculture and Spirituality in Vedic and Puranic Periods
5	103220	Dr. Surajit Let	Assistant professor	Krishna Chandra College	The Impact of Climate Change on Agriculture: A Global Perspective
6	115247	Sumit Sow	Ph.D. scholar	Department of Agronomy, Dr. Rajendra Prasad Central Agricultural University	Impact of Different Planting Materials and Integrated Nutrient Management on Performance, Fertilizer Use Efficiency and Profitability of Sugarcane
7	115204	Shouvik Gorai	Research Scholar	Bidhan Chandra Krishi Viswavidyalaya	Exploring Genetic Resistance to Spot Blotch in Wheat: Phenotypic Evaluation and Marker-Trait Association
8	100823	Riya Pal	Assistant teacher	Burdwan University	Impact of Various Treatments on F <sub>1</sub> Hybrid Rice Seed Production Incorporating Heavy Metal Estimation and SEM Analysis
9	092252	Hemanta Saha	Assistant professor	Suri Vidyasagar College	Pollinators as Key Players in Modern Agriculture: A Path to Global Food Security
10	084317	Angana Das	Research scholar	Burdwan University	Sole and/or combined application of Onion bulb and Moringa leaves as prebiotics improved growth, metabolic function, gut microbiome and pathogen resistance in Rohu, Labeorohita (Hamilton)
11	080944	Sandipan Chatterjee	Assistant professor	Suri Vidyasagar College	Plant-based Strategies for Controlling Antibiotic-resistant Bacteria in Agriculture
12	070841	<sup>1</sup> Soumitra Halder	Research scholar	Visva-Bharati	A Novel Improved Artificial Hand Pollination Technique for Enhanced Yield in Pointed Gourd (Trichosanthes dioica Roxb.): A Collaborative Field Trial Approach
13	045340	Rakhi Mondal	Research scholar	Burdwan University	Industrial Pollution and Agricultural Soil Degradation: A Study from Paschim Bardhaman District of West Bengal, India

## Technical Session - 9

<b>Discipline-12:</b>	<b>Focal Theme: Applications of Emerging Technologies including AI/ML in Sustainable Development</b>	
<b>Venue</b>	<b>Date</b>	<b>Session Duration</b>
Room No.: 110 Education Dept., Library Building	January 10 <sup>th</sup> , 2025	02:00 P.M. – 05:00 P.M.
<b>Invited Talk:</b>	<b>Prof. Utpal Biswas</b> Professor, Department of Computer Science & Engineering, & Ex-Dean, Faculty of Engg, Technology & Management, University of Kalyani	
<b>Title of the Talk:</b>	<b>“Recent Trends in Artificial Intelligence, Machine Learning - Deep Learning &amp; Some Research Issues”</b>	
<b>Session Judge:</b>	<b>Prof. Debashis De</b> Professor, Maulana Abul Kalam Azad University of Technology, West Bengal	
<b>Session Judge:</b>	<b>Prof. Goutam Saha</b> Professor (Retd.), Department: Information Technology North Eastern Hill University	

<b>Rapporteur:</b>	<b>Dr. Tapas Mondal,</b> University of North Bengal, Dept. of Geography and Applied Geography
<b>Co-ordinator:</b>	<b>Prof. Sukanta Dutta,</b> SACT-II, Department of Computer Science

SL No.	ID	Presenting Principal Author & Co-author	Designation of the Principal Author	Affiliation	Title of the Paper
1	054307	Dipanwita Saha	Assistant Professor	Hooghly Engineering and Technology College	Ecological Conservation and Biodiversity Assessment through Satellite Image Analysis
2	120113	Afia Karim	Student	University Institute of Technology	Skin-AI-Rise: AI-Driven Skin Solutions for Environmental Wellness
3	073853	Priy Kumari	Student	Asansol Engineering College	AI-Powered Computer Vision for Healthcare Diagnostics: Enhancing Early Detection and Treatment Accuracy
4	103358	Rishigopal Mondal	State Aided College Teacher	Burdwan MUC Womens College	The Convergence of AI and Mass Media in Promoting Sustainable Development: Opportunities, Challenges and Future Directions
5	074717	Soumitra Das	Student	The University of Burdwan	Endangered Species Monitoring Through Deep Learning Technique
6	095819	Dipanwita Mandal	Librarian	Suri Vidyasagar College	Revolutionizing Libraries: How AI and ML Tools Are Transforming Information Access
7	105757	Riya Dey	Student	Netaji Subhas Open University	Artificial Intelligence and Machine Learning for Achieving Sustainable Development Goals (SDG-4) for Transforming Inclusivity and Equity of Education
8	113054	Dhrubasish Sarkar	Professor and Principal	Supreme Institute of Management and Technology	Forecasting Renewable Energy Production in India: Integrating Stock Market Data with Time-Series Models for Sustainable Energy Transition
9	114906	Sumit Gupta	Assistant Professor	University Institute of Technology The University of Burdwan	ADVANTAGE: Accident Detection, Verification, Alertness Notification, Tracking & Authentication Guardian Entity
10	115815	Annesha Dubey	Student	Asansol Engineering College	Enhancing Transparency and Efficiency in Rice Supply Chains Through Blockchain Solutions
11	043316	Sandip Dutta	Research scholar	Visva Bharati	Integrating Gait and Keystroke Dynamics for Non-Invasive Parkinson's Disease Detection
12	065521	Suman Karmakar	Student	Dr B C Roy Engineering College Durgapur	AI-Enabled NPK Sensor System for Precision Floriculture
13	110519	Sayani Bosu	State Aided College Teacher	Burdwan Raj College	A Comparative Study of Multi-Criteria Decision-Making Model and Bivariate for Landslide Susceptibility Zonation of Khawzawl District of Mizoram, Northeast India
14	113504	Arpan Dawn	Junior Research Fellow	National Institute of Technology Durgapur	Reconstruction of Optical Imagery from Microwave Data: A Linear Regression-Based Framework



<b>Students' Interactive Session</b>	
05:00 P.M. - 06:00 P.M.	<b>From Questions to Quests: A Panel Session with Scientific Pioneers</b>
----- <b>High Tea</b> ----- <b>Venue: Food Court</b> <b>06:00 – 06:15 P.M.</b>	
<b>Cultural Evening: Rhythms of Bengal: A Celebration of Heritage and Harmony</b> (Venue: Main Stage, Rampurhat College Campus)	
06:15 P.M. Onwards	<ul style="list-style-type: none"> <li>❖ <b>Music and Dance Performances by our Students</b></li> <li>❖ <b>Raibenshe: a folk martial dance from Bengal</b></li> <li>❖ <b>The Soul of Bengal: Baul Songs from Shantiniketan</b></li> </ul>
----- <b>Dinner</b> ----- <b>Venue: Food Court</b> <b>08:15 – 09:15 P.M.</b>	

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## 2<sup>nd</sup> Day's Events: Timed Overview

### Day 2: January 11<sup>th</sup>, 2025 (SATURDAY)

**Opening of the Registration Desk: 8:00 A.M. to 10:00 A.M.**  
**Breakfast: 8:00 A.M. to 10:00 A.M.**  
*(Venue- Rampurhat College Campus, Rampurhat)*

**Opening Ceremony Session (Day-2)**  
 Venue:  
 Main Stage,  
 Rampurhat College Campus

Timings	Programme Outline
10:00 - 10:15 A.M.	<ul style="list-style-type: none"> <li>▪ Opening ceremony of the Day 2</li> <li>▪ Welcoming of the Dignitaries on the Dais</li> <li>▪ Floral Reception</li> <li>▪ Opening Song</li> </ul>

**Sir Acharya Jagadish Chandra Bose (1858 - 1937) Memorial Lecture**  
 (Venue-Main Stage, Rampurhat College Campus)

10:15 - 11:00 A.M.	<b>Memorial Lecture:</b> <b>Prof. Amiya Kumar Panda</b> Vice Chancellor, Rani Rashmoni Green University <b>Title of the Talk:</b> <b>“History of Indian Science”</b>
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**Sir Chandrasekhara Venkata Raman (1888 - 1970) Memorial Lecture**  
 (Venue-Main Stage, Rampurhat College Campus)

11:00 - 11:45 A.M.	<b>Memorial Lecture:</b> <b>Prof. Ujjwal Maulik</b> Professor, Computer Science and Engineering, Jadavpur University <b>Title of the Talk:</b> <b>“Artificial Intelligence (AI) in healthcare”</b>
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# Technical Sessions

Day 2: January 11<sup>th</sup>, 2025 (Saturday)

(Venue- UG & PG Departments, Rampurhat College, Rampurhat)  
(11:45 – 01:00 P.M. and 02:00 – 03:45 P.M.)

----- **Lunch Break** -----

Venue: Food Court  
(01:00 – 02:00 P.M.)

## Technical Session - 10

**Discipline-2:**

**Chemical Sciences**

**Venue**

**Date**

**Session Duration**

Room No.: **107**  
Dept. of Chemistry, Science Building

January 11<sup>th</sup>, 2025

11:45 – 01:00 P.M.  
and  
02:00 – 03:45 P.M.

**Invited Talk:**

**Prof. Susanta Lahiri**

Professor Dr. Susanta Lahiri, Ph. D, D. Sc  
Emeritus Scientist (CSIR)  
Diamond Harbour Women's University  
Diamond Harbour Road, Sarisha, South 24 Parganas, 743368, India  
and  
Adjunct Professor, of Physics  
Sidho-Kanho-Birsha University  
Ranchi Road, Purulia 723104, India

**Title of the Talk:**

**“The Periodic Table”**

**Session Judge:**

**Prof. Debasish Das**

Professor, Department of Chemistry  
The University of Burdwan

**Session Judge:**

**Prof. Pranesh Chowdhury**

Professor, Department of Chemistry  
Visva-Bharati

**Rapporteur:**

**Dr. Anita Das**

Assistant Professor of Chemistry, Rampurhat College

**Co-ordinator:**

**Dr. Tamal Sarkar**

Assistant Professor of Physics, Rampurhat College

SL No.	ID	Presenting Principal Author & Co-author	Designation of the Principal Author	Affiliation	Title of the Paper
1	024747	Dr. Debasish Kundu	Assistant Professor	Government General Degree College, Mangalkote, Purba Bardhaman	Nickel-Copper Dual Catalysed C-N Cross-Coupling of Sulfoximines: Access to Bio-active Natural Products
2	122815	Sanjib Kumar Bhar	Associate Professor	Khalisani Mahavidyalaya, Chandannagar, Hooghly	Photocatalytic activity of Anatase-Titanium dioxide (TiO <sub>2</sub> ) Thin Film on TCO Glass Substrate and COD measurement of Natural Water Bodies
3	025244	Md Nure Sarif	Student	Rampurhat College, Rampurhat, Birbhum	Source of Water by New Method

4	044518	Sahidul Islam	Research Scholar and Assistant Professor	Krishnath College, Berhampore	Interactions of Triethylamine with 4-Fluorophenylacetylene in Solutions and Study of Exciplex Formation
5	114654	Wasefa Begum	Senior Research Fellow	The University of Burdwan	Vitamin-E Oil-in-Water Emulsion Stabilized with Acacia Concinna-Derived Saponin: Formulation, Characterization, and Antimicrobial Efficacy
6	031639	Chinmoy Mahapatra	Junior Research Fellow	Kazi Nazrul University, Asansol	A newly developed molecule for selective detection of explosive compound and formation of multifunctional logic Circuits
7	061000	Anita Das	Assistant Professor	Rampurhat College, Birbhum	The Radical and Polyradical Characters of Polycyclic Aromatic Hydrocarbons: a Theoretical Study
8	043442	Shrodha Mondal	Ph.D. Student	Visva-Bharati University	CO-detecting torch using carbon nanodots
9	021902	Priya Karmakar	Research Scholar	The University of Burdwan	The Catalytic Role of Anionic Micelles in Ce(IV)-Driven Phenylalanine Oxidation: Insights into Asymmetric Hydrophobic Effects
10	092441	Surya Sarkar	Research Scholar	CSIR-Central Mechanical Engineering Research Institute	Corrosion mitigation with green inhibitors and prediction of inhibition efficiency using SVR machine learning: a comprehensive study
11	031005	Dr. Ujjwal Mandal	Assistant Professor	The University of Burdwan	Carbon Quantum Dots with Nitrogen Doping: A Versatile Tool for Mercury Detection and Antimicrobial Applications
12	062917	Arindam Ray	Research Scholar	Visva-Bharati University	D-penicillamine-controlled aggregation-induced emissive Cu nanoparticles for the study of their antibiotic-sensing ability and bioactivity

## Technical Session - 11

**Discipline-3:**

**Statistics, Mathematical Sciences, IT and its Applications**

**Venue**

**Date**

**Session Duration**

Room No.: 110  
Dept. of Education, Library Building

January 11<sup>th</sup>, 2025

11:45 – 01:00 P.M.  
and  
02:00 – 03:45 P.M.

**Invited Talk:**

**Prof. Absos Ali Shaikh**  
Professor, Dept. of Mathematics,  
The University of Burdwan

**Title of the Talk:**

**“Isoperimetric Problems on Plane Curves”**

**Session Judge:**

**Prof. Tapan Kumar Kar**  
Professor, Department of Mathematics, IEST, Shibpur

**Session Judge:**

**Prof. Sukhendu Kar**  
Professor, Department of Mathematics, Jadavpur University

**Rapporteur:**

**Dr. Amaresh Kundu**  
Assistant Professor of Mathematics, Rampurhat College

**Co-ordinator:**

**Dr. Chitralekha Sarkar**  
Assistant Professor of Mathematics, Rampurhat College

SL No.	ID	Presenting Principal Author & Co-author	Designation of the Principal Author	Affiliation	Title of the Paper
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1	110215	Ritabrata Biswas	Assistant Professor	The University of Burdwan	Spectroscopic Analysis of Several Galaxies at a Redshift where Matter Constituents of our Universe Remained no more Dominant
2	083543	Subhajit Pal	Student	The University of Burdwan	Constraining $f(Q)$ Gravity Free Parameters Using Monte Carlo Simulations: Reportraying the Late Time Cosmic Acceleration Properties
3	085130	Dr. Soumita Kundu	Assistant Professor	Sister Nibedita Government General Degree College for Girls	Dual-channel supply chain in presence of a secondary market place
4	082303	Soumitra Sarkar	Assistant Professor	Triveni Devi Bhalotia College	Sensitivity analysis in hybridized Casson nanofluid near a perforated Riga plate
5	025128	Rudranil Sahu	Student	The University of Burdwan	Establishing Goldbach's Conjecture: A Hypothesis-Driven Approach to Utilize Isolated Primes into Even Sums
6	111530	Chandan Senapati	Research Scholar	Visva Bharati	Phoneme Based ASR for Kudmali Language with Phonetic Mapping to Bengali Script
7	113006	Shounak Roy	Student	The University of Burdwan	Cassava leaf disease
8	064011	Joyeta Chandra	Research Scholar	The University of Burdwan	Studies of models are used in Stock market using Sentiment Analysis
9	111433	Dalbinder Kour	Assistant Professor	Banwarilal Bhalotia College	Goal Programming Approach to Sustainable Development Model
10	052404	Supriya Maity	State Aided College Teacher	Lal Baba College	A Study of Covering Properties via $m_\delta$ -open Sets
11	060258	Arpan Bhattacharya	Research Scholar	The University of Burdwan	Extremity in Neutron Star Mass Limit: A Gravitational Wave Perspective
12	091057	Haradhan Mardi	Assistant Professor	Suri Vidyasagar College	Dimensionality Reduction for Single-Cell RNA-seq: A Method Comparison
13	023946	Shreyashi Roy	Student	The University of Burdwan	Phase Portrait Analysis for Interacting Dark energy and Dark Matter Model: Evolving Universe
14	024031	Subrata Paul	Lecturer	Arambagh Govt. Polytechnic	Study of Fractional Order Calculus and its Application to Epidemic Models
15	043209	Sudipta Sinha	Associate Professor	Burdwan Raj College	Statistical Patterns in Finance: Analyzing Nifty 50 Stocks in Relation to Benford's Law

## Technical Session - 12

<b>Discipline-8:</b>	<b>Biotechnology</b>	
<b>Venue</b>	<b>Date</b>	<b>Session Duration</b>
Room No.: 112 Dept. of Geography, Library Building	January 11 <sup>th</sup> , 2025	11:45 – 01:00 P.M. and 02:00 – 03:45 P.M.
<b>Invited Talk:</b>	<b>Prof. Mrinal Kumar Maiti</b> Professor, Dept of Biosci & Biotech, IIT, Kharagpur	
<b>Title of the Talk:</b>	<b>“Genetic solutions for healthy harvests: The case studies on arsenic in rice grain and erucic acid in mustard oil”</b>	
<b>Session Judge:</b>	<b>Prof. Dalia Dasgupta</b>	

	Professor, Department of Biotechnology, National Institute of Technology, Durgapur
<b>Session Judge:</b>	<b>Prof. Narayan Chandra Mandal</b> Department of Botany, Siksha Bhavana (Institute of Science), Visva-Bharati
<b>Rapporteur:</b>	<b>Prof. Alokesh Das</b> Assistant Professor of Botany, Rampurhat College
<b>Co-ordinator:</b>	<b>Dr. Prodig Adhikari</b> Assistant Professor of Education, Rampurhat College

SL No.	ID	Presenting Principal Author & Co-author	Designation of the Principal Author	Affiliation	Title of the Paper
1	120539	Dr Sk Aftabul Alam	Assistant Professor	Netaji Mahavidyalaya	Oleanoic Acid: A Potent Phytochemical Targeting Ergosterol Biosynthesis Enzymes Erg4/Erg24 and Serine Protease in Phytophthora Infestans for Late Blight Management
2	090711	Animesh Mondal	Assistant Professor	Government General Degree College Mangalkote	Structural Modification of Disorder Protein Alpha-Synuclein in Presence of Membrane Imitative Environment
3	092648	Dr Alpana Mukhuty	Assistant Professor	Rampurhat College	Targeting High-Fat Diet Mediated Lipotoxicity with The Natural Flavonoid Kaempferol, To Promote Function and Survival in Pancreatic B-Cells
4	082411	Sucheta Mandal	Assistant Professor	Banwarilal Bhalotia College	Potential Role of Lactic Acid Bacteria for Controlling Mould Growth and Mycotoxin Production
5	084432	Subhranil Bhattacharjee	Student	Dr Bc Roy Academy of Professional Courses	Revolutionizing Medicine: The Power of Nano Biotechnology in Precision Drug Delivery
6	101036	Sashikanta De	Student	Dr B C Roy Academy of Professional Courses	Beet Breaks the Hills
7	112138	Sayantika Halder	Student	The University of Burdwan	Genomic Analysis of Staphylococcus Hominis Across Multiple Isolation Sources
8	012700	Shrabani Mondal	Scholar	The University of Burdwan	Callus Induction of Trigonella Foenum-Graecum and Elicitation of Trigonelline by Using Methyl Jasmonate
9	041018	Niladyuti Ghosh	Phd Scholar	Maulana Abul Kalam Azad University of Technology West Bengal	Bio-Conversion of Fruit Pomace into Butyrate as Component of Circular Bio-Economy
10	073746	Alokesh Das	Assistant Professor	Rampurhat College	Microbial Community Analysis of Sundarbans Mangrove Marine Water Samples Through Metagenomic Approach
11	092044	Rahul Naga	Senior Research Scholar	National Institute of Technology Durgapur	Targeting Mmp12: A MI Based Multilayered Screening and Molecular Dynamics Approach to Discover Potential Inhibitors with Therapeutic Promise
12	103607	Shruti Gupta	Student	National Institute of Technology Durgapur	Cardiovascular Diseases: Drug Prioritisation for Causative Gene Target Landscape
13	120456	Swati Maiti	Assistant Professor	Haldia Institute of Technology and Kabi Nazrul College	Detoxification And Generation of Bio-Electricity from Wastewater Using Microbial Fuel Cell (Mfc)

14	110236	Manasi Mondal	Phd Student of Biotechnology Department	Visva Bharati	Physiological, Biochemical and Ssr-Based Genetic Profiling of Selected Rice Lines Under Varied Combinations of Salt and Submergence
15	120830	Dip Pal	Junior Research Fellow	Visva Bharati University	Salt Tolerance in Rice: Physio-Biochemical and Molecular Approach
16	060228	Chitra Chatterjee	Research Scholar	Visva Bharati	Differential Expression of Long Non-Coding Rnas in Phaseolus Vulgaris Post-Mungbean Yellow Mosaic India Virus (Mymiv)
17	065817	Pinkan Sadhukhan	Research Scholar	National Institute of Technology Durgapur	Comparative Analysis of Two Noble Winning Protein Structure Prediction Methods to Design Major Shigella Invasins as Protective Immunogens Against Bacillary Dysentery

## Technical Session -2: Continuation from Day-1

<b>Discipline-4:</b>	<b>Engineering Science and Technology</b>	
<b>Venue</b>	<b>Date</b>	<b>Session Duration</b>
Room No.: 115 PG Building	January 11 <sup>th</sup> , 2025	11:45 – 01:00 P.M. and 02:00 – 03:45 P.M.

<b>Session Judge:</b>	<b>Prof. Atul Krishna Banik</b> Professor, Civil Engineering, National Institute of Technology, Durgapur
<b>Session Judge:</b>	<b>Prof. Arhendu Sekhar Patra</b> Director, Science Centre for Interdisciplinary Studies, Professor, Department of Physics, Sidho-Kanho-Birsha University, Purulia
<b>Rapporteur:</b>	<b>Dr. Anup Saha</b> Assistant Professor of Mathematics, Rampurhat College
<b>Co-ordinator:</b>	<b>Prof. Gour Prasad Pramanik</b> SACT-II, Physics, Rampurhat College

SL No.	ID	Presenting Principal Author & Co-author	Designation of the Principal Author	Affiliation	Title of the Paper
5	101005	Anurag Majumdar	Student	Paschim Kadipur Jr High School	Human Security Alert and Rescue Management System [Rudralabhyam (RL) System]
13	103115	Guru Prasad Ray	Student	Jalpaiguri Government Engineering College	Ion Thrusters: The Future of Next Generation Spacecrafts
14	034809	Kazi Afif Anan	Student	University Institute of Technology	RAILSENSE: Real-time Acoustic Intelligent Locomotive Safety & Enhanced Network System Environment
15	104014	Mintu Ghosh	Assistant Professor	Bengal College of Engineering and Technology	Angular Motion Tracking of Solar Panel by Low-Cost Electric Actuator with PID Controller
16	044711	Paromita De	Research Scholar	National Institute of Technology Durgapur	Design of all optical synaptic neuron using photonic band gap crystal
17	114427	Prince Banerjee	Student	University Institute of Technology	AttendEase: Enhancing Classroom Management with Location-Based Attendance and Automation



18	042659	Rounak Biswas	Research Scholar	Visva Bharati	Quantum-Powered Passwords: Bridging Inherent Randomness and Password Generation for Enhanced Online Security
19	075902	Shreya Rani	Student	Bengal College of Engineering and Technology, Durgapur	Development of a Task Management Tool for Optimized Meal Planning and Nutritional Tracking
20	112444	Subhasis Datta	Assistant Professor	Dr. B. C. Roy Engineering College	Blockchain-Enabled Internet of Things for Efficient Construction and Demolition Waste Management: A Framework for Industry 5.0
21	112725	Subhendu Singh	Student	Bengal College of Engineering and Technology	Decentralized Migrant Laborers Management System (DMLMS)
22	033423	Sumanta Karmakar	Assistant Professor	Asansol Engineering College	Enhancing Retinal Image Quality through Advanced Filtering Techniques
23	114613	Tathagata Banerjee	Student	University Institute of Technology	GuardX: Extreme Driver Safety and Parking Guard
24	020644	Yunus Parvez Khan	Undergraduate Scholar	Southern New Hampshire University	Future of Quantum Communications: An Engineering Perspective of Building Robust Quantum Key Distribution Protocols

## Technical Session -4 Continuation from Day-1

<b>Discipline-6:</b>	<b>Botany</b>	
<b>Venue</b>	<b>Date</b>	<b>Session Duration</b>
Room No.: 105 Humanities Building	January 11 <sup>th</sup> , 2025	11:45 – 01:00 P.M. and 02:00 – 03:45 P.M.

<b>Session Judge:</b>	<b>Prof. Prakash Karmakar</b> Professor, Department of Botany and Forestry, Vidyasagar University
<b>Session Judge:</b>	<b>Prof. Rajib Bandopadhyay</b> Professor, The University of Burdwan
<b>Rapporteur:</b>	<b>Dr. Ujjwal Layek</b> Assistant Professor of Botany, Rampurhat College
<b>Co-ordinator:</b>	<b>Prof. Bappaditya Saha</b> Assistant Professor of Commerce, Rampurhat College

SL No.	ID	Presenting Principal Author & Co-author	Designation of the Principal Author	Affiliation	Title of the Paper
15	112127	Bijoy Konai	The University of Burdwan	Student	Study Of General Response of Plants to Salinity Stress Using Trigonella Foenum-Graecum L.: A Morphological, Biochemical and Cytological Investigation
16	091118	Nisha Das	Rampurhat College	Student	Impact Of Stomatal Density, Index, And Morphology on Ecological Grouping of Few Plants in Lateritic Belt
17	025149	Dr Nisith Ranjan Sarkar	Burdwan Raj College	Assistant Professor	Indigenous Ethno-Botanical Knowledge of Tribal People Around Ganpur Forest, Birbhum, West Bengal, India: An Overview and Conservation Strategies

18	051519	Syed Rumman Alam	Aliah University	Newtown Kolkata	Node Date Estimation of Diversified Species from Cryptogams to Phanerogams Based on Molecular Markers (Matk and Rbcl) Using Bayesian Analysis
19	082555	Ashutosh Kabiraj	The University of Burdwan	Research Scholar	Impacts Of Two Bacterial Strains in Rice Seedlings' Growth Enhancement Under Arsenic Stress
20	084340	Debajyoti Saha	Visva Bharati	Post Graduate	Diversity Meets Remediation: Microalgae And Physicochemical Synergies in The Ponds of Santiniketan
21	091950	Dr Moumita Basu	Kalna College	State Aided College Teacher Sact I	"Rasayana Drugs from The Flora of West Bengal: A Scientific Exploration of Their Medicinal Values"
22	094453	Anirbandeep Das	The University of Burdwan	Student	An Observation Of The Medicinal Plants Used By The Local People Of Rampurhat Subdivision, Birbhum District, West Bengal, India
23	103045	Subarna Mandal	Visva-Bharati	Student	Study Pharmaceutical Attributes of Herbal Tea: Treating Diseases and Pains Without Medicine – An Overview
24	103521	Arnab Goswami	The University of Burdwan	State Fund Junior Research Fellow	Insight Into the Bryoflora of Three Districts of South Bengal
25	105750	Lakshmi Mudi	The University of Burdwan	Student	Typification: A Way of New Species Discovery
26	105519	Nurtaj Khatun	Rampurhat College	Student	A Review of An Invasive Weed Parthenium Hysterophorus L. (Asteraceae) And Its Impact on The Environment
27	125507	Dr Priyanka Chakraborty	Asansol Girls College	Assistant Professor	Enumeration Of the Beneficial Effects of Ga3 on Modulation of Seed Hardening Procedure
28	042228	Saikat Mandal	Visva Bharati	Research Scholar	Effect Of Pgrs on Aseptic Growth Potential of a Perennial Herb: Drimiopsis Kirkii Baker

## Technical Session -5 Continuation from Day-1

<b>Discipline-7:</b>	<b>Zoology</b>	
<b>Venue</b>	<b>Date</b>	<b>Session Duration</b>
Room No.: Zoology 2 Zoology Dept, Library Building	January 11 <sup>th</sup> , 2025	11:45 – 01:00 P.M. and 02:00 – 03:45 P.M.

<b>Session Judge:</b>	<b>Prof. Asamanja Chatteraj</b> Professor, Department of Animal Science, Kazi Nazrul University, Asansol
<b>Session Judge:</b>	<b>Prof. Sudipta Maitra</b> Professor, Department of Zoology, Visva Bharati
<b>Rapporteur:</b>	<b>Dr. Rajyosree Roy</b> Assistant Professor of Zoology, Rampurhat College
<b>Co-ordinator:</b>	<b>Dr. Alpna Mukhuty</b> Assistant Professor of Zoology, Rampurhat College

SL No.	ID	Presenting Principal Author & Co-author	Designation of the Principal Author	Affiliation	Title of the Paper
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13	044857	Nabanita Banerjee	Research Scholar	The University of Burdwan	Discrimination of two <i>Culicoides</i> spp. (Diptera: Ceratopogonidae), potent and possible BTB vectors within subgenus <i>Hoffmania</i> and assessment of sexual dimorphism using geometric morphometrics
14	055654	Upasana Sarkar	Research Scholar	The University of Burdwan	Beneath the Scales: Unveiling the <i>Acanthocephalan</i> <i>Pallisentis ophiocephali</i> (Thapar, 1930) Baylis, 1933 in Snakehead Hosts
15	074003	Medha Banerjee	Project Technical staff	Raja Peary Mohan College	Cell-Free DNA in Cardiac Hypertrophy: Mechanisms of Action and Implications for Heart Remodeling
16	081038	Ranjit Kapuri	Research Scholar	Rampurhat College	The larvivorous potentiality of <i>Mystus vittatus</i> against <i>Aedes aegypti</i> larvae
17	084129	Artha Mondal	Research Scholar	Raja Peary Mohan College	Circulating Cell-Free DNA (cfDNA) exaggerates mitochondrial damage to impair cardiomyocyte function during heart failure
18	110846	Dr. Sayantan Banerjee	Assistant Professor	Chandidas Mahavidyalaya	Revealing the Silent Genome: The Pivotal Function of lncRNAs in Cancer Treatment and Diagnosis
19	022616	Soumendu Bag	Project JRF	Visva-Bharati	Erlotinib Downregulates Lipid Accumulation, Inflammation in Pancreatic Islets and Improves Insulin Secretion in High Fat Induced Obese Mice
20	121904	Siddharta Das	Student	Rampurhat College	Assessment of Ichthyofaunal diversity and Seasonal abundance in Brahmani River, Birbhum, West Bengal, India
21	103930	Ria Das	Guest Lecturer	The University of Burdwan	Assessment of antibacterial activity of leaf extracts of <i>Crinum asiaticum</i> L. and against five-gram negative fish pathogenic bacterial strains
22	114803	Sunanda Mukherjee	Research Scholar	Visva-Bharati	Gut microbiota disruption and subsequent oxidative stress in intestinal tissue of zebrafish after individual and simultaneous exposure to inorganic arsenic and fluoride
23	114839	Olivia Sarkar	Research Scholar	Visva-Bharati	Individual and combined effects of lead and chromium in zebrafish organs at environmentally relevant concentrations
24	033622	Shehnaz Islam	Research Scholar	Visva-Bharati	Prolonged low dose chromium (VI) exposure induces oxidative stress, apoptotic genes and epigenetic modification of DNA repair genes in liver of Swiss albino mice
25	032218	Nandita Das	Research Scholar	Visva-Bharati	Understanding the Regulatory Mechanisms of FFA-Fetuin-A Mediated Inflammation and Intracellular Lipid Accumulation in Pancreatic Beta Cells

**T** **Technical Session -6**  
**Continuation from Day-1**

<b>Discipline-9:</b>	<b>Physiology and Medical Sciences including Forensic Sciences</b>	
<b>Venue</b>	<b>Date</b>	<b>Session Duration</b>
Room No.: <b>205</b> Dept. of History, Office Building	January 11 <sup>th</sup> , 2025	11:45 – 01:00 P.M. and 02:00 – 03:45 P.M.

SL No.	ID	Presenting Principal Author & Co-author	Designation of the Principal Author	Affiliation	Title of the Paper
<b>Session Judge:</b>		<b>Prof. Sanjit Dey</b> Professor, Dept. of Physiology, University of Calcutta			
<b>Session Judge:</b>		<b>Prof. (Dr.) Tamal Kanti Ghosh</b> Faculty, Gouri Devi Institute of Medical Sciences and Hospital, Durgapur			
<b>Rapporteur:</b>		<b>Dr. Priyanka Chakraborty</b> Assistant Professor of Mathematics, Rampurhat College			
<b>Co-ordinator:</b>		<b>Prof. Ranjit Kapuri</b> SACT-II, Zoology, Rampurhat College			
14	010645	Sanchita Rakshit	Research Scholar	Hooghly Mohsin College	Impact of socioeconomic status and parental education on the incidence of hypertension among adolescent boys of West Bengal, India
15	061238	Sangeeta Das	Research Scholar	Serampore College	Reversal of letrozole induced sex hormone imbalance and impaired follicle development upon treatment with ethanol extract of <i>Alocasia indica</i> tuber ethanolic extract in female Wistar rat
16	104620	Shrestha Mohanta	Student	Serampore College	Harnessing CRISPR-Cas9: A New Frontier in the Treatment of Diabetes Mellitus
17	113740	Sudip Dutta	Student	Hooghly Mohsin college	Choice the better, colour the food – a comparative study among three food colourants on isolated Intestinal motility of rat
18	120204	Surya Mondal	Student	Dr B C Roy College of Pharmacy and Allied Health Sciences	Network Pharmacology Based Anti-hemorrhoidal Attributes of Bioactive Compounds from <i>Holarrhena pubescens</i> Stem Bark through Computational Approach
19	113158	Taniya Mondal	Student	M.U.C. Women's College	Fortifying Secure Telemedicine System Guided by a Novel Soft Computing DNA Mechanism
20	081345	Tiyesh Paul	Research Scholar	Serampore College	Unlocking the potential of MOTS-c in the insulin resistance during onset and progression of type 2 diabetes mellitus in the HFD/STZ mouse model
21	053355	Torsha Ghosh	Student	Serampore College	Navigating the Interplay of Immunology and Metabolism: Fatty Liver Pathophysiology and Therapeutic Innovations
22	062229	Urmimekhala Das	Research Scholar	Serampore College	Epidemiological and clinical investigation on lean type 2 diabetes mellitus in West Bengal: A cross-sectional study considering onset of diabetes duration
23	012023	Utsav Dey	Student	Hooghly Mohsin College	Computational Analyses for identification of Candidate Genes Associated with UV induced Lymphocytes Cell damage
24	060851	Prithviraj Karak	Assistant Professor	Bankura Christian College,	Assessment of hematological alterations in burn patients: implications for clinical outcome
25	090045	Afsona Parveen	Assistant Professor	Durgapur Institute of Paramedical Science	Evaluation of staphylococcal infection in expectant mothers

26	035704	Priyanka Chakraborty	Assistant Professor	Rampurhat College	Neural Mechanisms of Impaired Attention in ADHD: Insights from EEG Band Alterations
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## Technical Session - 7

### Continuation from Day-1

<b>Discipline-10:</b>	<b>Environmental Sciences including Climate Change</b>	
<b>Venue</b>	<b>Date</b>	<b>Session Duration</b>
Room No.: 201 Office Building	January 11 <sup>th</sup> , 2025	11:45 – 01:00 P.M. and 02:00 – 03:45 P.M.

<b>Session Judge:</b>	<b>Prof. Shasanka Kumar Gayen,</b> Professor, Department of Geography, Cooch Behar Panchanan Barma University
<b>Session Judge:</b>	<b>Prof. Deepak Kumar Mandal,</b> Professor, Department of Geography & Applied Geography, University of North Bengal
<b>Rapporteur:</b>	<b>Dr. Bhaswati Mondal,</b> Assistant Professor of Geography, Rampurhat College
<b>Co-ordinator:</b>	<b>Dr. Rinchu Doma Dukpa,</b> Assistant Professor of Economics, Rampurhat College

SL No.	ID	Presenting Principal Author & Co-author	Designation of the Principal Author	Affiliation	Title of the Paper
13	060031	Md Ekram Hossain	Pass Out Student	Aliah University	Plant Growth Responses of <i>Pistia Stratiotes L.</i> Under Lead-Contaminated Aquatic Environment
14	062400	Raima Datta	Scholar	The University of Burdwan	Radioactive Element in Undergroundwater and It's Mitigation by Eco-Friendly Process
15	063857	Sagarika Mukherjee	Research Scholar	Kazi Nazrul University	Early Removal of Immersed Idols as A Potential Sustainable Solution for Waterbody Pollution: A Case Study from Asansol
16	083926	Sanchari Sarkar	Research Scholar	Durgapur Government College	Comprehensive Analysis of Pollution Levels in Durgapur: Focus on Air, Water, And Soil Quality
17	084920	Sukhen Das	Research Scholar	National Institute of Technology	Design Of a Novel Environment-Friendly Bioreactor for Carbon Capture & Utilization by Algal Cells
18	091756	Ria Bhaumik Das	Research Scholar	The University of Burdwan	Searching Of Potential Bio-Waste Towards Purification of Groundwater
19	102927	Anuska Chakraborty	Post Graduate Student	The University of Burdwan	Bioremediation: Application In Various Fields and Study of Its Utilization in India
20	103627	Saudarya Pramanik	Student	Bengal College Of Engineering and Technology	AI-Powered Meteorology: Advancing Cloudburst Prediction to Mitigate Disasters
21	113207	Arijit Rout	Research Scholar	Visva Bharati	Health Challenges in Changing Urban Environment
22	122058	Debayan Gayen	Ph.D. Research Scholar	Durgapur Government College	Future Habitat Projections Under Changing Climate for Indian Pangolins in West Bengal
23	063131	Chandrani Fouzder	Research Scholar	Visva Bharati	Environmental And Economic Benefit of Sustainable Rice Straw Management for

					The Manufacture of Paper in Katna Village of West Bengal
24	102800	Urmi Mondal	Pass Out Student	The University of Burdwan	Challenges And Solutions for Urban Solid Waste Management in Goda Ward, Burdwan Municipality Area

## Technical Session - 8 Continuation from Day-1

<b>Discipline-11:</b>	<b>Agriculture, Horticulture, Fisheries and Veterinary Science</b>	
<b>Venue</b>	<b>Date</b>	<b>Session Duration</b>
Room No.: 114 PG Building	January 11 <sup>th</sup> , 2025	11:45 – 01:00 P.M. and 02:00 – 03:45 P.M.

<b>Session Judge:</b>	<b>Prof Ranjan Nath</b> Professor, Department of Plant Pathology, Visva Bharati
<b>Session Judge:</b>	<b>Prof. Biswarup Saha</b> Professor, Fishery Extension, West Bengal University of Animal and Fishery Sciences
<b>Rapporteur:</b>	<b>Prof. Pradip De,</b> Associate Professor of Zoology, Rampurhat College <b>Dr. Sudipa Nag,</b> Associate Professor of Botany, Rampurhat College
<b>Co-ordinator:</b>	<b>Dr. Koyel Mukherjee</b> SACT-I, Geography, Rampurhat College

SL No.	ID	Presenting Principal Author & Co-author	Designation of the Principal Author	Affiliation	Title of the Paper
14	042355	Soma Biswas	Research Scholar	Burdwan University	Role of Farmers' Decision-making Behaviour in Agrarian Crisis: A Case Study in Labpur C.D. Block, Birbhum, West Bengal
15	040715	Sandip Kumar De	Facilitator Daesi	Rathindra Krishi Vigyan Kendra, Palli Siksha Bhavana (Institute of Agriculture)	Performance of Improved Varieties of Summer Pulses under FLD Programme in Lateritic belt of West Bengal
16	031016	Shouvik Pramanik	Research Scholar	Visva Bharati	Unlocking the nutraceutical and industrial value of microalgae from wetlands of West Bengal
17	014646	Dibyendu khan	Research Scholar	Burdwan university	Harnessing seed endophytes for enhanced plant resilience and growth under environmental stress
18	010721	Moumita Roy	PhD Scholar	Visva Bharati University	Current trends and future prospects of AI and IoT-Based technologies for Sustainable Agricultural Production
19	090808	Dr. Rajyosree Roy	Assistant Professor	Rampurhat College	Studies on Micro-Mineral Status of Feeds and Fodder and Its Influence on Plasma Level of Cattle in Red Lateritic Zone of West Bengal, India
20	032336	Tapati Rudrapal	PhD Scholar	Visva Bharati University	Labour Division and Gender Roles in Rice Farming Systems: An Analytical Study



21	122639	Rahul Deb Mukherjee	Subject Matter Specialist	Cooch Behar Krishi Vigyan Kendra Uttar Banga Krishi Viswavidyalaya	Low-cost hydroponic fodder production with non-seed maize grains
22	120909	Basabadatta Sahu	PhD Scholar	Visva Bharati	Nutrient Density and Growth Dynamics: A Comparative Analysis of Microgreens species under Soilless media and Artificial light
23	082136	Rajdeep Shaw	Research Scholar	The University of Burdwan	Antarctic bacterial biopolymeric coating to extend the self-life of tomatofruit on post harvesting
24	075254	Sitesh Chatterjee	Entomologist	Rice Research Station Government of West Bengal Chinsurah	Harnessing Artificial Intelligence (AI): Pioneering a New Era of Sustainable Agriculture
25	122423	Madhumita Chowdhury	PhD Scholar	School of Planning and Architecture Bhopal	AquaCrop Modeling for Sustainable Crop Production in Alirajpur District: Strategies for Water Efficiency
26	055648	Brataetae Mondal	Student	Siksha O Anusandhan Deemed to be University	Anthracoze of Perennial Chilli in Kitchen Garden and its management

### Special Session:

(03:45 P.M. - 04:30 P.M.)

**Innovation and Entrepreneurship in West Bengal**  
**Dr. Sonali Roy, Chief Operating Officer, Rise Foundation, IISER**

**Valedictory Session & Award Ceremony**  
**04:30 P.M. Onwards**

- Dr. Asish Banerjee, Honourable Deputy Speaker of the West Bengal Legislative Assembly
- Prof. Amiya Kumar Panda, Vice Chancellor, Rani Rashmoni Green University
- Dr. Prabal Kumar Sinha, Principal, Rampurhat College
- Shri Amiya Kumar Kalidaha, Nodal Officer of the DSTBT, Govt. of West Bengal and Joint Organizing Secretary
- Shri Iswar Chandra Maji, Junior Scientist, DSTBT, GoWB
- Shri Saurav Pandey, Sub-Divisional Officer, Rampurhat
- Shri Soumen Bhakat, Chairman, Rampurhat Municipality

**Programme Summary and Vote of Thanks** by  
**Dr. Jayanta Das, Nodal Officer and Joint Organizing Secretary, 7<sup>th</sup> RSTC, 2024-25**  
Rampurhat College, Rampurhat, Birbhum,  
West Bengal, India, 731224

----- **National Anthem** -----

### Contact Us

**Dr. Jayanta Das,**  
**Nodal Officer and Joint Organizing Secretary**  
**+91-9735 333399**

**Dr. Prabal Kumar Sinha,**  
**Institute In-Charge**  
**+91-7908656479**