



National Conference

on

Community Based Approach Towards Sustainable Environment and Society

Viksit Bharat @2047

(Blended Mode | 24th & 25th March, 2026)

Organized by

Department of Geography

Patna Women's College (Autonomous)

Patna University, Patna, Bihar

4th Cycle NAAC Accredited 'A++' Grade

In Collaboration with

Department of Chemistry

St. Philomena's College (Autonomous), Mysuru, Karnataka



Programme Schedule

Day 1: 24 March 2026 (Tuesday)

Offline Mode

Venue: Carmel Hall

Time	Details	
09:30 am	Registration & Kit Distribution	
10:30 am	Inauguration	
	Welcoming the Guests Prayer Lighting of the Lamp Welcome Song	
	Welcome Address:	Dr. Sister Jincy A.C. Superior, Avila Convent
	Address by the Convenor:	Dr. Amrita Chowdhury, Head, Dept. of Geography, Patna Women's College, Autonomous
	Address by the Principal Collaborating College:	Dr. Ravi J.D. Saldanha Principal St. Philomena's College, Autonomous, Mysuru
	Address by the Chief Guest:	Dr. Anubha Prasad General Manager Small Industries Development Bank of India (SIDBI), Patna
	Vote of Thanks:	Dr. Awadhesh Kumar Assistant Professor, Dept. of Geography, Patna Women's College, Autonomous
	Moderators:	Ms. Aditi Priyadarshini Ms. Mridul Medha
	Link to Join https://us06web.zoom.us/j/89236053333 The online Participants are requested to click the given link for joining the conference sessions	
11:30 am	TEA BREAK	

11:45 am	Plenary Session - 1	
	Chairperson: Prof. K.N. Paswan Former Vice Chancellor Magadh University	
	Keynote Address: Prof. N.C. Jana Head, PG Department of Geography, University of Burdwan	Topic: 'Disaster Risk Reduction, Community Resilience and Indian Knowledge System : pathways to Environmental Sustainability'
	Special Lecture – 2 Prof. Mahalaya Chatterjee Professor, Centre for Urban Economic Studies, Department of Economics, Calcutta University	Topic: 'Environment. Ecology and Civil Society- Recent Experience of Kolkata'
	Special Lecture – 3 Dr. Niladri Sekhar Dhar Faculty Member, Bihar Institute of Public Finance and Policy (BIPFP), Govt. of Bihar	Topic: 'Sustainable Agriculture Practices for small and marginal farmers'
	Moderator:	Ms. Priyanka Ghosh
01:30 pm – 02:00 pm	LUNCH BREAK	

Technical Session - 1A
Offline Mode
Venue : Carmel Hall

Track 1: Community-Centred Environmental Governance & Participation				
Track 2: Sustainable Livelihoods, Green Economy & Inclusive Growth				
Track 3: Urban & Rural Sustainability Solutions				
Chairperson: Dr. Vineeta Prasad, Associate Professor, Department of Geography, A. N. College, Patna				
Rapporteur: Dr. Aishwarya Raj, Ms. Tanya				
Moderator: Ms. Akansha Bharti				
Time	Sl. No.	Name	Affiliation	Title
2:00 pm-3:30 pm	1	Dr. Abhishek Kumar	S U College, Patliputra University	Role of Panchayati Raj institutions in local environmental governance: An analysis
	2	Dr. Awadhesh Kumar	Patna Women's College (Autonomous), Patna University	Role of Ragpickers in Solid Waste Segregation for Resource Management- A Case Study of Patna Municipal Corporation area, Bihar
	3	Ms. Akanksha	Patna University	The Role of Women-Led Enterprises in Driving Inclusive and Sustainable Economic Development

	4	Dr. Ranjeet Kumar	Patna College, Patna University	Climate-Resilient Vending: Transitioning Patna's Street Markets to Green Energy by 2047
	5	Dr. Sima Kumari, Raj Kumar, Soni Kumari	SS College Jehanabad, MU University, Bodh Gaya	मशरूम की खेती: ग्रामीण बिहार में पोषण सुरक्षा, महिला सशक्तिकरण और छोटे किसानों की आर्थिक समृद्धि का आधार
	6	Dr. Rakesh Kumar Gond	Patna College, Patna University	Livelihood Sources of the Gond Tribe in Bihar: A Geographical study
	7	Jayesh Raj Dr. Vinita Prasad	A.N College Patna	Climate Change and Climate Smart Agriculture: The Way Forward
	8	Kaushal Kumar, Shiva Priya	Veer Kunwar Singh University, Ara	Climate-Resilient Vending: Transitioning Patna's Street Markets to Green Energy by 2047
	9	Mr. Rajnish Kumar	Patliputra University, Patna	Micro Level Ecotourism and Liveilehood Options: A Geographical Study of Rohtas District in Bihar
	10	Ms. Tulika Kumari	Patna University	Work, Family and Empowerment: A Study of Working Women in Saharsa District, Bihar

Technical Session - 1B
Offline Mode
Venue: Lucile Memorial Hall

Track 3: Urban & Rural Sustainability Solutions				
Track 7: Technology & Scalable Innovations				
Chairperson: Dr. Aprajita Krishna, Department of Physics, Patna Women's College (Autonomous)				
Rapporteur: Dr. Sanwita Shaiwalini, Ms. Swadha Snehi				
Moderator: Ms. Priyanshu				
Time	Sl. No.	Name	Affiliation	Title
2:00 pm-3:30 pm	1	Ms. Akanksha Mr. Vikas Kumar Dr. Meenakshi Prasad	Magadh University, Bodh Gaya	Assessing Urban Heat Island Intensity and Green Space Distribution Using Gis: A Study of Patna Municipal Corporation Area
	2	Dr. Vidya Yadav Dr. Rashmi Ranjana	College of Commerce, Arts & Science, Patliputra University	Dynamics of Indian Villages: Changing Size and Expenditure Pattern in India

	3	Ms. Meenakshi Mishra	Patna Women's College, Autonomous	GIS and Digital Mapping for Sustainable Food Redistribution: A Scalable Model from Patna Municipal Corporation
	4	Dr. Pinky Kumari	R.N.A.R college Samastipur	Rural Sustainability through Renewable Energy Initiative: A Geographical Study of Bihar.
	5	Gyan Sagar	A. N College Patna	Urban Slums and Health Implication
	6	Miss Vaishnavi Swami	Central University of South Bihar, Gaya	GIS-Based Site Suitability Analysis for Solar Power Plants Using the Analytic Hierarchy Process (AHP): A Case Study of Ranchi City
	7	Neha Prasad Pratap Tirkey	A..N.College, Patliputra University	Urban Slums and Health Implications
	8	Mr. Surendra Kumar	Magadh University Bodhgaya Dept. of Gegeraphy	Emerging Drinking Water Crisis in Jehanabad District: A Geographical Study
	9	Dr. Jyoti Jee	Veer Kunwar Singh University, ARA	Analysing the Spatio-Temporal Patterns of Rainfall Variability and Rice Production Across the Agro-Climatic Zones of Bihar
	10	Dr. Smiti Rekha	S. S. College, Jehanabad	Transformation of Agriculture Through Application of Artificial Intelligence: A Case Study of Bihar
	11	Dr. Sneha Swarup	Swami Sahajanand College Jehanabad, Magadh University, Bodh Gaya, Bihar	Transformation of Agriculture Through Application of Artificial Intelligence (Ai): A Case Study of Bihar

Technical Session - 1C

Offline Mode

Venue: Video Conferencing Room,104, Science Block

Track 4: Education, Youth & Behavioural Change				
Track 5: Health, Society & Environment				
Chairperson: Mr. Alok John, Dean, Services National International Collaboration & Consultancy Services				
Rapporteur: Dr. Nirupama Surabhi Lakra, Ms. Ayushi Singh				
Moderator: Ms. Shrawani Singh				
Time	Sl. No.	Name	Affiliation	Title
2:00 pm - 3:30 pm	1	Abhishek Kumar Singh	Munger University Munger	Spatial pattern of social well-being in Bihar: Population and Health Dimension

	2	Dr. Anil Kumar Akela	Patna college, Patna	Food Security and Public Distribution System Scenario in Nawada District of Bihar State
	3	Ms. Anuradha Kumari	Patna Women's College	Role of educational institutions in promoting sustainable practices
	4	Dr. Jawahar Lal	R.B. College, Dalsingsarai, Samastipur	Climate Tipping Points and Feedback Loops: A Geographical Assessment of Earth System Instability
	5	Dr. Sanjeev kumar	RD & DJ College, Munger University, Munger	Special Pattern of Social Well-being in Bihar: Population and Health Dimensions.
	6	Dr. Arun Kumar Dr. Ashok Ranjan	H D Jain College, VKS University, Ara	An Assessment of Public-Private Role in Bio-Medical Waste Management in Bihar for Environmental Sustainability
	7	Dr. Dweepika Shekhar Singh	M.B.R.R.V.Pd Singh College, V.K.S.U., Ara	Home-Brewed Crisis: Alcoholism and its Socio-Economic Impact on Marginalized Rural Households - A Case Study of Musahar Tola of Chaurai village in Udwanagar block, Bhojpur, Bihar
	8	Dr. Nutan Kumari, Dr. Laxmikant Prem Prakash	D.B.K.N.College Narhan, Samastipur, LNMU, Darbhanga	Sustainable Public Health Care System in Bihar and Vikasit Bharat@2047
	9	Mr. Ajay Kumar Singh	Patliputra University, Patna	Healthcare And Medical Facilities in Patna Urban Agglomeration: A Spatial Study of Ward No. 70 & 71 In Pmc
	10	Mr. Danish Akhtar	Patliputra University, Patna	Towards Sustainable Urban Wellness: A Comparative Study of Hospital Services in Patna Municipal Corporation's Smart City Framework
	11	Padmja	Patna University	Public-Private Gaps in Urban Healthcare: A Comparative Study of Servies, Costs, And Equity in Patna Urban Agglomeration

Day 2: 25 March 2026 (Wednesday)

Online Mode

Link to Join-<https://us06web.zoom.us/j/89236053333>

Time	Details	
10:00 am – 11:00 am	Plenary Session - 2	
	Chairperson: Prof. Debjani Sarkar Ghose Professor, Department of Geography, Patna University Rapporteur: Ms. Sharmin Javed	
	Special Lecture – 4 Dr. Shweta Rani Faculty Member, Department of Geography, Dayal Singh College, University of Delhi, New Delhi	Topic: 'Green Living for a Greener and Sustainable World'
	Special Lecture – 5 Dr. Rashmi Rani Anand Faculty Member, Centre for African Studies, School of International Studies, JNU, New Delhi	Topic: 'Sustainability, South-South Cooperation and India's Geopolitical Vision for Viksit Bharat@2047'
	Moderator:	Dr. Aishwarya Raj Assist. Professor, Department of Geography, Patna Women's College, Autonomous

Technical Session -2A

Online Mode

Link to Join-<https://us06web.zoom.us/j/89236053333>

Track 1: Community-Centred Environmental Governance & Participation				
Track 2: Sustainable Livelihoods, Green Economy & Inclusive Growth				
Track 3: Urban & Rural Sustainability Solutions				
Chairperson: Dr. Soofia Fatima, Dean, Faculty of Commerce & Management, Patna Women's College, Autonomous				
Rapporteur: Ms. Akanksha				
Moderator: Ms. Tulika Kumari				
Time	Sl. No.	Name	Affiliation	Title
11:00 am- 1:00 pm	1	Ms. Kaushikee Kanchan	Indira Gandhi National Open University	Assessing the Role of Panchayati Raj Institutions in Community-Based Environmental Governance in Rural India
	2	Dr. Anand Kumar	Maharaja College, Ara	Sustainable Agriculture Practices for Small and Marginal Farmers: A Case Study of Bihar

3	Ms. Aditi Priyadarshini, Ms. Kaushikee Kanchan, Dr. Sister Anna Emiliya Fernandes A.C	Patna Women's College (Autonomous), Patna University	Socio - Economic Assessment of Small and Marginal Farmers in the Ganga Diara Region of Patna
4	Rupesh Sinha	Veer Kunwar Singh University	Climate-Resilient Vending: Transitioning Patna's Street Markets to Green Energy by 2047
5	Rimjhim Kumari Samidha Singh Tanya Singh Dr. Aishwarya Raj	Patna Women's College (Autonomous), Patna University	Analyzing Public Transit Accessibility in Urban Patna using Geospatial Techniques for Sustainable Urban Mobility
6	Dr. Priyadarshini	Patna Women's College (Autonomous), Patna University	Pathways to Sustainable WASH: Leveraging Community-Based Data for Equitable Infrastructure Development in Rural Bihar
7	Dr. Vishal Deo Dr.Kislay Kalash	Maharaja College, Ara	Urban Slums and Environmental Health Challenges: A Case Study of Gaya Ji District
8	Ms. Arathy E R	St. Philomena's College (Autonomous)	Advanced Chemical Strategies for Wastewater Remediation
9	Rozy Shama	College of commerce arts and science	Urban slums and environmental health challenge

Technical Session - 2B

Online Mode

Link to Join-<https://us06web.zoom.us/j/89236053333>

Track 4: Education, Youth & Behavioural Change				
Track 5: Health, Society & Environment				
Track 8: Outcome-Oriented Special Sessions				
Chairperson: Dr. Bhawna Sinha, Dean, Faculty of IT and Information, Patna Women's College, Autonomous				
Rapporteur: Ms. Padmaja				
Moderator: Dr. Sanwita Shaiwalini				
Time	Sl. No.	Name	Affiliation	Title
11:00 am - 01:00 pm	1	Ms. Vidushi Mishra Dr. Sangeeta Chauhan	Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow	Cultivating Climate-Positive Actions: Assessing the Influence of a Structured Ecological Intervention on Youth Behaviour
	2	Sebastiammal S	Patna Women's College (Autonomous)	Education as a Tool for Behaviour Change among Dalit Students: Evidence from Catholic Missionary Educational Practices in Patna, Bihar

	3	Vipin Kumar	Patliputra university - Patna	A Study on Education System In Bihar
	4	Dr. Bhawana Nigam	Anugrah Narayan College, Patliputra University, Patna,	Towards Sustainable Urban Wellness: A Comparative Study of Hospital Services in Patna Municipal Corporation's Smart City Framework
	5	Dr. Sanwita Shaiwalini	Patna Women's College (Autonomous)	Prevalence and patterns of anxiety/depression among undergraduate students in public universities with reference to socio-demographic factors
	6	Ms. Saumya Tiwari	Patliputra University	Air Pollution as an Environmental Determinant of Public Health in Patna
	7	Poonam Abraham Lakra	Patna Women's College (Autonomous)	An Intelligent Hybrid Deep Learning Framework for Early Cardiovascular Disease Prediction.
	8	Ms. Sweety Tiwari	Lalit Narayan Mithila University, Darbhanga, Bihar	Assessing The Viability of Eco-Brick Innovations as a Grassroot Solution for Sustainable Urban Infrastructure in Patna: An Approach Towards Vikshit Bharat 2047

Valedictory Function (Online)

Link to Join-<https://us06web.zoom.us/j/89236053333>

Time	Details	
02:00 pm	Address by:	Dr. Sister Celine Crasta A.C. Head, Dept. of History, Patna Women's College, Autonomous
	Valedictory Address:	Prof. D.K. Nayak Professor, Department of Geography, North-Eastern Hill University, Shillong
	Sharing of experience/Feedback by participants	
	Recommendation & Takeaways	Dr. Amrita Chowdhury
	Vote of Thanks:	Dr. Sister Anna A.C. Assistant Professor, Dept. of Geography, Patna Women's College, Autonomous
	Moderator:	Ms. Poonam Abraham Lakra Head, Dept. of Artificial Intelligence & Machine Learning, Patna Women's College, Autonomous
	National Anthem	