

4th International Seminar

on

“Population, Urbanization and Environment: Contemporary Issues and Challenges”

March 21-22, 2018



Organized by
Department of Geography
University of GourBanga

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NAAC Accredited University with 'B' Grade (2016)

Malda, West Bengal
India-732103



Venue
Department of Geography
University of GourBanga
Malda, West Bengal
India-732103

Brief Programme Schedule

Day- 1: 21st March 2018

9.00 to 10.30 A.M.	:	Registration
10.30 to 11.30 A.M.	:	Inaugural Ceremony
		<ul style="list-style-type: none">• Welcome Address by Convener, Dr. Pradip Chauhan, Associate Professor and Head, Dept. of Geography, UGB• Felicitation to Professor Swagata Sen, Chief Patron, Hon'ble Vice Chancellor, University of Gour Banga• Felicitation to Prof. Ravi S. Singh, Chief Guest, Banaras Hindu University, Varanashi, India• Felicitation of the distinguished Guests on the Dias• Lighting of the lamp by Chief Patron, Hon'ble Vice Chancellor, Professor Swagata Sen• Inaugural Song by the semester students• Inaugural Speech by Hon'ble Vice Chancellor, Professor Swagata Sen• Unfolding the Seminar Abstract Volume• Felicitation of the Resource Persons• Keynote address by Prof. Ravi S. Singh, Banaras Hindu University, Varanashi, India• Vote of Thanks by Dr. Arijit Das, Assistant Professor, University of Gour Banga
11.30 to 11.40 A.M.	:	Tea Break
11.40 A.M. to 1.20 P.M.:		Plenary Session
1.20 to 2.30 P.M.	:	Lunch
2.30 to 4.00 P.M.	:	1 to 5th Technical Sessions
4.00 to 4.15 P.M.	:	Tea Break
4.15 to 6.30 P.M.	:	6 to 10th Technical Sessions
7.30 to 8.30 P.M.	:	Dinner

Day- 2: 22nd March 2018

10.30 A.M. to 1.00 P.M.	:	11 to 15th Technical Sessions
1.00 to 2.00 P.M.	:	Lunch
2.00 to 4.30 P.M.	:	16 to 20th Technical Sessions
4.30 to 5.30 P.M.	:	Valedictory Session

Detail Programme Schedule

Day 1: 21.03.2018

Inaugural Session: 10.30am to 11.30am Room No. S- 315, Department of Mathematics

Welcome address by Dr. Pradip Chauhan, Convener of the Seminar

Inaugural address by Prof. Swagata Sen, Hon'ble Vice Chancellor, UGB

Keynote address by Prof. Ravi. S. Singh, Chief Guest of the Seminar

Plenary session 1: 11.40am-1.20pm Room No. S- 315, Department of Mathematics

Chairperson: Professor Guru Prasad Chattopadhyay

Co-chairperson: Prof. Mallik Akram Hossain

Sl. No.	Name of the resource persons	Title of the deliberation	Time
1	Professor Guru Prasad Chattopadhyay	Changing scenario of man-environment relationship: a comparative study on the life and culture of the ethnic groups of Malanese in Himachalhimalaya and Ravas in eastern Duars	11.40am-12.05pm
2	Prof. Mallik Akram Hossain	Emerging Issues and Challenges of Dhaka Megacity	12.05pm-12.30pm
3	Dr. Gopal Chandra Debnath	Age Misreporting: Sources, Pattern and Consequences for Population analysis with special reference to West Bengal	12.30pm-12.55pm
4	Dr. Md. Mujibor Rahman	Suitable Sites for Urban Solid Waste Disposal: A Contemporary Issues and Challenges in Khulna City, Bangladesh	12.55pm-1.20pm

Plenary session 2: 11.40am-1.20pm Room No. Smart Class, Department of Geography

Chairperson: Professor Giyasuddin Siddique

Co-chairperson: Professor Malay Mukhopadhyay

Sl. No.	Name of the resource persons	Title of the deliberation	Time
1	Professor Malay Mukhopadhyay	Environmental Renewal through Installation of Man Stone at Source Point of Rivers: An Approach for Geomorphosite Geotourism Development	11.40am-12.05pm
2	Professor Giyasuddin Siddique	Urbanisation and Water demand in parts of West Bengal: issues of Social and Environmental justice	12.05pm-12.30pm
3	Professor M. G. Mostafa	Water Resource: Issues and Challenges in South Asia	12.30pm-12.55pm
4	Professor Ranjan Roy	Assessment of Infrastructural Facilities Beyond the Limit of Noble Urbanisation: A Case Study	12.55pm-1.20pm

		of Kharibari Block, Siliguri Sub Division, West Bengal	
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LUNCH BREAK: 1.20pm-2.30pm

Technical Session 1: 2.30pm-4.00pm Room No. S- 405, Department of Geography

Chairperson: Professor Sanat Guchhait

Co-chairperson: Dr. Piyal Basu Roy

Rapporteurs: Ayanika Sarkar and Mr. S. L. Gangurde

Lead Paper:

Sl. No.	Name of the presenters	Title of the paper	Time
1	Professor Sanat Guchhait	E-cognition: An Integrated Understanding of Environment and Society	10.30pm-10.50pm

Sl. No.	Name of the presenters	Title of the paper
1	Abishek Paul and Anupam Das	Utilization of Antenatal Care Services and Associated Factors Among Reproductive Mothers at Ichhapur Nilganj Gram Panchayat, North 24 Parganas, West Bengal
2	Alokananda Ghosh and Biswaranjan Mistri	A Geo-Spatial Analysis of Maternal Health Care Service Provision: A Case of Rajnagar C.D.Block, Birbhum District, West Bengal
3	Ankita Zaveri and Dr.Pradip Chouhan	An Investigation of Fertility Behaviour and Its Socio-Demographic Determinants in Malda District: A Case Study of a Backward District of West Bengal
4	Maitreyee Ghosh	Impact of the nature of population and urbanization on the environment of Farakka CD Block, India
5	Dr. Pranab Kr. Das	Socio-Economic Aspects of Labour Migration: A Case Study of Nepali Migrants in Kalpa, Himachal Pradesh
6	Avijit Roy, Pankaj Singha, Rahul Mallick and Dr.Pradip Chouhan	Nuptiality Status in Dakshin Dinajpur: A Socio-Demographic Study of a Backward District of West Bengal, India
7	Shibthakur Hembram and Krishna Gopal Ghosh	Livelihood and Health Status of The Tribal Workers Living in Stone Quarry and Crusher Industrial Area, Md. Bazar Block, Birbhum District, West Bengal
8	Subrata Biswas and Tania Biswas	Bridge population clustering through labour migration in Murshidabad District and its mitigation

Technical Session 2: 2.30pm-4.00pm, Room No. Smart Class, Department of Geography

Chairperson: Professor Malay Mukhopadhyay

Co-chairperson: Dr. Parag Arun Khadke
Rapporteurs: Somnath Halder and Sk. Ziaul

Lead Paper:

Sl. No.	Name of the presenters	Title of the paper	Time
1	Dr. Parag Arun Khadke	Research Technique In Urban Geography And Their Application	2.30pm-2.45pm

Sl. No.	Name of the presenters	Title of the paper
1	Dr.Sanjoy Saha	An analytical review of rural poverty in the back-ward economy - study on c.d block kaliachak –i, malda district
2	Dr. Debasree Bhadra	Gender and food security: addressing the growing disruptions and challenges
3	Anup Sen and Dr. Piyal Basu Roy	Mapping the emotion : a saga of the dwellers of enclave rahibilitation camps of cooch behar district, west bengal
4	Bhupen barman and Dr. Ranjan roy	A study of rural-urban male labour migration in koch bihar district, West Bengal
5	Chinmoy Biswas and Dr. Shasanka Kumar Gayen	The Friend,Philosopher and Guide of High altitude Mountaineering Sports : The Sherpas Activity
6	Sujan Kumar Das	The Characteristics and Challenges of Urban Poverty
7	Aditi matilal	Vulnerability of women in the sinking ghoramara island of sundarbans

Technical Session 3: 2.30pm-4.00pm Room No. S-407, Department of Geography

Chairperson: Professor Guruprasad Chattopadhyay
Co-chairperson: Dr. Narendra Kumar Rana

Rapporteurs: Rahul Patra and Samrat Majumdar

Lead Paper:

Sl. No.	Name of the presenters	Title of the paper	Time
1	Dr. Narendra Kumar Rana	Emerging Urban Flood Risk &Flood Inundation Mapping of Gorakhpur City, India	2.30pm-2.45pm

Sl. No.	Name of the presenters	Title of the paper
1	Dr.Snehasish Saha	A study on challenges of depopulation scenario of the riverine

		tracts of <i>Diara</i> belt in Malda District, West Bengal
2	Dr. Golam Mostafa	Conversion of Wetlands Into Built Up areas and Ecological Issues: Example from DankuniBil, Hugly District, West Bengal
3	Priyanka Das	Measuring Noise Vulnerability in English Bazar Municipality and its Surroundings, West Bengal
4	Md. Moynul Islam, M. Rostom Ali, M. R. Hasan, Md. Saiful Islam and Md. Shajahan Ali	Environmental and Health Risk of the Use of Cadmium Electroplating in Industries of Bangladesh
5	Dr. Prolay Mondal	Sustainable Development and Environmental Degradation – A Debt
6	Shyamal Santra, Sarbajit Kumar Ghosh	Rejuvenation of Amodar River in Joypur Block, Bankura District, West Bengal, India
7	Pompi Sarkar	Nature of Bank Erosion of River Mahananda in the Foothills of Darjeeling Himalaya

Technical Session 4: 2.30pm-4.00pm Room No. GIS- RS Laboratory, Department of Geography

Chairperson: Professor Giasuddin Siddique

Co-chairperson: Dr. Suman Paul

Rapporteurs: Deb Kumar Maity and Samir Mahato

Lead Paper:

Sl. No.	Name of the presenters	Title of the paper	Time
1	Dr. Suman Paul	Quantifying Urban Form Using Urban-Rural Gradient and Spatial Metrics of Howrah City, India	2.30pm-2.45pm

Sl. No.	Name of the presenters	Title of the paper
1	Dr. Bisawajit Bera, Dr. Sumana Bhattacharjee	Fluvio-hydrological analysis on effect of hard channel engineering/channelization of River Bala (Kalkut), Alipurduar, West Bengal
2	Dr. Angshumita Chakraborty, Gopal Roy	Pattern of Social Vulnerabilities under the Threat of Climate Change: A Case Study
3	Swapan Talukdar	Effect of Hydrological Alteration on Ecologically Relevant Hydro-regime of the Wetland in Punarbhaba River Basin of Indo-Bangladesh
4	Kabita Lepcha and Paban Ghosh	Land-use/land cover dynamicity and its impacts on land surface temperature of Chhota Rangit river basin, in Darjeeling Himalaya using Radiative Transfer Method
5	Deb Kumar Maity and Sujit Mandal	Compound Factor (Cf) and Fuzzy Analytical Hierarchy Process (Fahp) for Ordering of Sub-Basins of Thekumari River Basin, India
6	Abhishek Kumar and	A Critical Analysis of the Outcome of an Arsenic

	Malabika Biswas Roy	Mitigation Project in a Rural Area in Uttar Pradesh, India
7	Ashok Sarkar, Abhijit Sarkar and Bikash Das	Man-Animal Conflict and Human Interference in Wildlife: A Study of Dooars Region of West Bengal

Technical Session 5: 2.30pm-4.00pm Room No. S- 315, Department of Mathematics

Chairperson: Professor Ravi S. Singh

Co-chairperson: Dr. Gopal Chandra Debnath

Rapporteurs: Pintu Biswas and Pintu Mandal

Sl. No.	Name of the presenters	Title of the paper
1	Arindam Basak	A Geographical Study on Urbanization and Urban Development across Various Districts of North Bengal
2	Rashid Aziz Faridi, Rakhshanda F. Fazli and Amit Sharma	Urban Sprawl on Indian Highways and Implication for Planners
3	Malini Ray Chaudhuri, Dr Parama Bannerji, Dr Abhijit Pandit and Sumanto Das	Probable Environmental Impact Analysis through Change in Landuse Pattern and Urbanization by Geospatial Technique
4	Dr.Panchali Majumdar	A Phase of Transition from Rural to Urban, Fringe Areas, In the Light of Decentralised Development (A Case Study)
5	Dr. Pijush Kanti Tripathi	Analysis of Urban Growth in Haldia Urban Area and its Impact on Environmental Resources: A Land Use Planning Perspective
6	Dr.Indrajit Roy Chowdhury	An Assessment of Road Traffic Congestion and its Mitigating Planning Strategies: A Case Study of Siliguri Air View More Traffic Intersection Point
7	Dr. Tanusree Ghosh	Conflict between Urbanization and Environment: A Positive Perspective
8	Dr. Suman Paul and Jayashree Guin	Quantifying Urban Form Using Urban-Rural Gradient and Spatial Metrics of Howrah City, India
9	Dr. Suprakash Pan	Urban Transformation and Reforms in India through AMRUT: A Policy Perspective

TEA BREAK: 4.00pm-4.15pm

Technical Session 6: 4.15pm-6.30pm Room No. S- 405, Department of Geography

Chairperson: Professor Ranjan Roy

Co-chairperson: Dr. Suman Paul

Rapporteurs: Sri Nani Gopal Kapasia and Alokanda Ghosh

Sl. No.	Name of the presenters	Title of the paper
1	Dr. Mahua Chatterjee	Geographical assessment on sex ratio at birth in indian states between 2005 and 2015
2	Pronob Mandal	School education status of the scheduled tribe population in

	and Sudip kumar Bhattacharya	malda district, west bengal
3	Rajani Khatun, Dr. Md. Mustaqim and Uttam kumar Roy	Regional disparities of development in koch bihar district: a block level study
4	Salim Mandal, Tarikul Isalm and Dr. Pradip Chouhan	Are they educationally immobile? Identifying the association of literacy with the socio-economic condition among scheduled tribes
5	Mr. S. L. Gangurde and Dr. P.A. Khadke	Study of sex ratio in tribal population of baglan tahsil in nashik district
6	Samsunehar and Dr. Sumana Sarkar	Occupational health problems among female beedi roller in samserganj block of murshidabad district: an empirical study
7	Ruman Sutradhar	Voting by other's choice: Challenge to gender development in democracy
8	Ms. Sabitri Mukhia, Ms. Sapna Pradhan and Ms. Reshma Lepcha	Migration in sikkim: a matter of concern
9	Rita Sarkar and Amit Kumar Das	Educational status of gorkha community: a case study of takdah village in darjeeling district, west bengal
10	Ranjita roy Sarkar and Prof. (Dr.) Ranjan Roy	Health status of rag pickers in the municipal dump yard in siliguri municipal corporation, darjeeling district, west bengal
11	Samarjit Das	Over urbanization in kerala: a glimpses in urban poverty
12	Samir Mahato, Pintu Mandal and Dr. Suman Paul	Analysing poverty and its impact on human development of urban poor of purulia municipality, india
13	Rahul Patra and Prof. Sanat kumar Guchhait	Perceiving cultural buffer and migration along the provincial border: a study of villages in birbhum district of west bengal and dumka district of Jharkhand

Technical Session 7: 4.15pm-6.30pm Room No. Smart Class, Department of Geography

Chairperson: Mallik Akram Hossain

Co-chairperson: Dr. Biswaranjan Mistri

Rapporteurs: Priyanka Das and Pompei Sarkar

Sl. No.	Name of the presenters	Title of the paper
1	Dr. Rajat Halder and Dr. Kalyan Kumar Mandal	Women Workforce Participation in Sundarban Region: A Case Study in Sundarban Blocks of North 24 Parganas District, West-Bengal
2	Samsunehar and Dr. Sumana Sarkar	Occupational Health Problems among Female Beedi Roller in Samserganj Block of Murshidabad District: An Empirical Study
3	Shilpa Ghosh and Dr. Probodh Kr. Mondal	Resource base change and its impact on rural livelihood: a case study of sonpur open cast mining area of pandebeswar c.d. block, east burdwan, W. B.
4	Somenath Halder	Question of Future Survival! A Study of Snake Charmer Community in West Bengal

5	Suvechha Ghatani	Assessing Problems and Challenges in Urban Water Supply: Study of Darjeeling Town
6	Sayani Bosu and Prof. Sanat Kumar Guchhait	Changing Perspective of Employment and Migration for the Villages Nearer to Small and Medium Size Towns: A Study of Selected Prosperous Villages of Purba Bardhaman, W.B
7	Dr. Shamsul Haque Siddique and Hasibur Rahaman	Social Cost of Migration: Assessing Impact on Left Behind
8	Sapna Pradhan, Dr. Sanghamitra Choudhury, Sabitri Mukhia	Understanding the link between Human Trafficking, Migration and Gender in South Asia: A Focus on Trafficking in women and children in India, Nepal and Bangladesh.
9	Subhasis Das and Arijit Das	Infrastructural development and its impact on living standard in border settlements of west bengal
10	Subhra Halder and Dr. Snehamanju Basu	Gender Inequality in Education, Health and Employment A Case Study of Kolkata
11	Tanmoy Dhibor	Micro level study on development disparity: experiences from chhatna cd block of bankura district
12	Tanu Das and Dr. Pradip Chouhan	Pattern of Migration and Assessment of the Impact of Migration on Livelihood Change of In-Migrants in Balurghat Municipality on dakshindinajpur, West Bengal

Technical Session 8: 4.15pm-6.30pm Room No. S- 407, Department of Geography

Chairperson: Prof. Umasankar Malik

Co-chairperson: Dr. Piyal Basu Roy

Rapporteurs: Maitreyee Ghosh and Bhupen Barman

Sl. No.	Name of the presenters	Title of the paper
1	Shipra Basu	Anthropogenic Interferences and Modification of The Environment with Reference to Some Urban Centres of Tehri-Garhwal District, Uttarakhand
2	Shraban Sarkar	An evaluation of landslide risk in Darjeeling Himalayas
3	Jagannath Mondal	Changing Scenario of Landscape in Santiniketan and its Surroundings through Human Interferences: A Spatio-temporal Overview
4	Susanta Mahato and Swades Pal	Assessing the Interlinkage between Spatio- seasonal Water Balance and Land Surface Temperature in Chandrabhaga river basin, Eastern India
5	Dr. Surajit Let	Tourism in Tarapith— Its Livelihood Options and Environmental Challenges
6	Sanjukta Banik	Agriculture Practise of Apatani Community: A recognition of the aesthetic connection between man and nature
7	Suman Paul	Assessment of Water supply and Sanitation of Kumargram Block, West Bengal
8	Tapash Mandal	Analysis of Trend and Forecasting of Rainfall Using ARIMA Model in Ajmer District, Rajasthan.

9	Utpal Kumar Barman	Assessment of Drinking Water Quality : A Study of Alipurduar District, West Bengal, India
10	Mithun Ray	Encouraging Community Based Tourism through Homestay: an approach for Eco-Socio-Cultural Opening
11	ShrinwantuRaha, Dr.Shasanka Kumar Gayen	Impacts on Livelihood Pattern Driven by Climate Stress in Western Region of West Bengal
12	PayelDas, Riya Dey, Sumita Roy Chowdhury, NayanDey	Virtual Water Trading and Environmental Imbalance
13	MajrulSk	Changing Scenario of Agriculture in Baranda-Shibnagar Mouza of Murshidabad-Jiaganj C.D. Block, Murshidabad, West Bengal, India
14	Deshmukh R.S.	Pilgrims satisfaction index - a case study of Dehu of Maharashtra

Technical Session 9: 4.15pm-6.30pm Room No. GIS- RS Laboratory, Department of Geography

Chairperson: Prof. Mojibur Rahman

Co-chairperson: Dr. Engr. M.R. Hasan

Rapporteurs: Dr. Indrajit Roy Choudhury and Dr. Sanjoy Saha

Sl. No.	Name of the presenters	Title of the paper
1	Gopal Roy,Dr.Angshumita Chakraborty	Condition of Drinking Water and Sanitation Facility of Namkhana Block, South 24 Pgs, West Bengal
2	Dr. Surya Narayan Ray, Keshab Mondal	Development of Tourism in North Bengal: Some critical insight
3	SkNuhul Hossain, Md Anisujaman, MeheubSahana	Assessing Meander Shifting and Channel Migration Induced Landscape Dynamic: A Study of Riparian Blocks of Malda District in West Bengal
4	Swatilekha Sen &Prof.Sanat Kumar Guchhait	Unstable Char Lands and Instability in the Livelihood of Dwellers: Use and Abuse of Resource and Environment
5	Dr. Subhash Karande	Analysis of Landslide Potential Zone Using Remote Sensing And GIS - A Case Study of Kaloshi Village of Satara District
6	Shahana Khatun	Identification of Potential Char Lands and Exploring Existing Char Lands for Settlement and Agriculture in Downstream Ganga River in Eastern India in Post Farakka Barrage Period
7	Kanu Mandal and Sujit Mandal	Landslide Susceptibility Mapping Using Bivariate Statistical Index Model and Multivariate Binary Logistic Regression Model: A Comparative Study of Rorachu River Basin of Eastern Sikkim Himalaya, India.”
8	Nabanita Mukherjee, Giyasuddin Siddique	Climate Change and Livelihood Vulnerability of Local People in Sagar Island, Sundarban Coastal Region
9	MeelanChamling, Supriya Ghosh,	Dolomite mining along Bhutan Bengal foothills and its impact on tea garden and human health – A case study from Lankapara

	Dr. Biswajit Bera	and Garochera Bandapani tea garden, Alipurduar District, West Bengal
10	Mehedi Hasan Mandal and Prof. Giasuddin Siddique	Ecological Importance of Palaeo Channel A Study on Purbasthali Oxbow Lake
11	Dr. MD Nasiruddin	Conservation and Management of Wetlands for sustainable development: A Case Study of Annex Bhatier Beel Malda District (W. B.)
12	Sudip Kr. Bhattacharya	The environmental impact on the changing behavior of rainfall characteristics in the Terai Plains and adjacent Hills in the Darjeeling District, West Bengal, India
13	Satyajit Paul	Exploring Wetland Transformations in Moribund Deltaic Parts of India

Technical Session 10: 4.15pm-6.30pm Room No. S- 315, Department of Mathematics

Chairperson: Professor M.G. Mostafa

Co-chairperson: Dr. Sasanka Kr. Gayen

Rapporteurs: Dr. Snehasish Saha and Krishna Gopal Ghosh

Sl. No.	Name of the presenters	Title of the paper
1	Dr. E. Ishwarjit Singh and Mr. Amrito Biswas	Urban Water Crisis in Himalayan Region: A Case Study of Kurseong Town, Darjeeling
2	Kishna Mallick and Dr. Shovan Ghosh	Assessment of Quality of Urban Life (QoUL) in Purulia I Municipality Area of Purulia, West Bengal
3	Md. Hanif Bhuian, Nahrin Jannat Hossain	Analysis of Microclimatic Variation and Morphological Characteristics of Different Places in Dhaka City, Bangladesh
4	Darshan Chandra Barman	The Health Benefits of Urban Green Spaces: A Case Study of Siliguri Municipal Corporation, Darjiling District, West Bengal
5	Subrata Halder, Somnath Mandal and Dr. Suman Paul	Urban Skyline Estimation through Building Height from Open Source Data
6	Dr. Md Zahir Abbas	Assessment of Urban Basic and Public Utility Services in the Residential Suburbs – A Tool for Planning
7	Ipsita Dutta and Dr. Arijit Das	Modeling Urban Structure in Small Town: Case Study of English Bazar Urban Agglomeration and Its Surroundings, Malda District, West Bengal, India
8	Dr. Sudarshana Sen	Urbanization and Women: A Sociological Analysis
9	Arindam Dutta	Relationship between Connectivity of Road Transport Network and Population Quality in Uttar Dinajpur District, West Bengal, India
10	Anik Saha and Sujit Mandal	Identify Potential site for Urban Creation and Expansion in Kurseong Town and its surrounding hill slope Darjeeling Himalaya, India
11	Subhendu Ghosh and Prof. Giasuddin Siddique	Population Pressure on Urban Housing and its Impact on Environment of Chandernagore City
12	Kalikinkar Das, Smita	Dynamics of Urbanization: A Comparative Study between

	Ghosh, Manob Das and Dr. Arijit Das	Berhampore and Jiaganj-Azimganj
13	IvanaHoque, and Srimati KabitaLepcha	Spatio Temporal Urban Expansion In Siliguri Jalpaiguri Development Area: A Study Based On Multi Spectral Satellite Data
14	Abhijit Paul	An Overview of Urban Heat Island and Its Hazardous Effect on Health Condition: An Analysis on Kolkata
15	Chumki Biswas	The Changing Pattern of Urbanization in Asansol City and its Impact on Socio-economic Status of City Dwellers: A Geographical Perspective

DINNER: 7.30PM-8.30PM

DAY 2: 22.03.2018

Technical Session 11: 10.30am-1.00pm Room No. S- 405, Department of Geography

Chairperson: Professor Sushma Rohatgi

Co-chairperson: Dr. Snehamanju Basu

Rapporteurs: Miss Mohana Basu and Amiya Gayen

Sl. No.	Name of the presenters	Title of the paper
1	Deblina ghosal	Contextualising women employment scenario in india and its relationship with women empowerment from 1980's to onward. Sub-theme: contemporary gender issues
2	Gopal haldar	Impact of modernisation on tribal religious, customs and traditions in indian the 21 st century: a social judgetice.
3	Kakoli das and saswata ghosh	Changing child sex ratio: tracing some evidences and causes from west Bengal
4	Ershad ali	Depopulated region in mirik municipality: a demographical analysis
5	Jayanta Saha and Dr. Suman Paul	Tourist's Attitude towards Sustainable Tourism in Mandarmani-Tajpur Belt, Purba Medinipur, West Bengal, India
6	Debmita Nandi and Dr. Sumana Sarkar	Socio-economic Profile of Women Household Industry Workers in Jaypur Block of Bankura District- A Micro level Analysis
7	Dipankar Das and Debanjan Basak	Seasonal Labour Migration in Brick Field of Cooch Behar: An analysis of push-pull factors & trouble
8	Dipjoy chakraborty, kusumita guha chakraborty and Dr. Probodh kr. Mondal	Urban poverty and its cause-effect relations: a case study on some selected slum areas in Barddhaman Municipality, West Bengal
9	Dr. Shamsul Haque Siddique and Hasibur Rahaman	Social Cost of Migration: Assessing Impact on Left Behind

10	Manob Das, Pankaj Singha and Dr. Arijit Das	Status of Development in Tribal Society : a Study on Schedule Tribes of Barind region of Malda district, West Bengal, India
11	Manoj debnath	Nature of migration in north east india: a state level analysis
12	Munshi md amin	The study of developmental gaps in educational system of maldah district, west bengal, india
13	Paromita mondal	Improvement of self reliance among the adolescent girls with the help of economic empowerment: a study of dinhata subdivision, coochbehar

Technical Session 12: 10.30am-1.00pm Room No. Smart Class, Department of Geography

Chairperson: Professor L.N. Satpati

Co-chairperson: Dr. Sasanka Gayen

Rapporteurs: Arindam Roy and Shyamal Dutta

Lead Paper:

Sl. No.	Name of the presenters	Title of the paper	Time
1	Professor L.N. Satpati	Urban Climates in India: Contemporary Issues and Future concerns	10.30pm-10.50pm

Sl. No.	Name of the presenters	Title of the paper
1	Nanigopal kapasia	Decision making status of women in tea gardens: a case study of terai of jalpaiguri district of west bengal
2	Prabir das, apurba sarkar and Dr. Pradip chouhan	Regional pattern of rural to urban migration in india: determinants
3	Dr. Mridul das	Tourist's amenities and services assessment by using geo-enable information system: powered by citizen science
4	Suddhasil Bose and Snehamanju Basu	West Bengal with its emerging population growth and effects on employment
5	Ayanika Sarkar and Dr. Biswaranjan Mistri	Social Relations in Education of Dhekia Gram Panchayat in Saltora C.D. Block, Bankura District: A Study Looking beyond Inertia
6	Dr. Probodh kr. Mondal, pallab nandi and sudarshan maji	An introspective study on caste system and rural livelihood: a case study of some selected villages under rudranagar gram panchayet of murarai- ii c.d. block, birbhum district, west bengal.
7	Milan Ghosh	An assessment of the socio-economical condition and infrastructural facility of slum dwellers: a case study in ranaghat municipality, nadia district, west bengal.
8	Pinki paul	Illegal cross border child migration: a case study of panitor village Basirhat block

9	Barnali biswas	Some basic observation on the status of health care services with special reference to elementary health care programme : a case study of alipurduar district
10	Angana Debnath and Dipika Subba	How happy elderly are ? A case study of cooch behar town, west bengal, india
11	Md. Fitu sk Dr.amit bhowmick	Rural-urban migration: development perspectives
12	Amit Sardar, D.K. Nayak	Linking Livelihood Vulnerability and Seasonal Migration: A Study of the Lodhas in West Bengal, India

Technical Session 13: 10.30am-1.00pm Room No. S- 407, Department of Geography

Chairperson: Prof. Mallik Akram Hossain

Co-chairperson: Dr. B.R. Mistri

Rapporteurs: Dr. Arindam Basak and Dr. Piyali Ghosh

Sl. No.	Name of the presenters	Title of the paper
1	Sonel Som	Changes in Decision Making of Rural Left behind House Wives: A Case Study of Dinhata- I Block of Cooch Behar District, West Bengal, India
2	Suvra Maji	Changing Occupational Structure of Asansol City, West Bengal
3	Samsul Hoque	The out-migration of labours and its related problems associated with the migrating labourers: A case study of Lakshmithat Village of Malda District, W.B.: An overview
4	Dr. N. Kasemi and Alaska Bhadra	Present Scenario and Problems of Handloom Industry: A Case Study of Tufanganj I and II Block of Cooch Behar District, West Bengal
5	Mitali Ghosh and Moitrayee Das	Anganwadi Worker's contribution on women & child healthcare: A Case Study in Chandernagore Municipal Corporation, Hooghly District, West Bengal, India.
6	Dr Chandrakant Narhari Kale	Sex Ratio A Demographic Characteristic of Western Maharashtra: A Geographical Analysis
7	Subham Mustafi and Dr. Arijit Das	Evaluation of Variation in Development for different Livelihood Zones of West Bengal
8	Pritam Ghosh and Dr. Pratima Rohatgi	Assessment of Maternal Health Risk and Vulnerability in West Bengal: A Geo-Medical Study
9	Pabitra Mondal and	Backwardness as A Factor of Quality of Life: A Case Study

	Prof. Ashis Sarkar	of Puruliya District, West Bengal
10	Basak. S, Sarkar. T, Sarkar. A, Parvin. S, Sarkar. S, Jha. P, Chanda. R and Mandol, P	Assessment of Maternal Health Outcomes in Malda and Pakur: A Comparative Socio-Demographic Analysis of Two Selected Districts from EAG and Non EAG States of India
11	Sanchayita Bhadury and Dr. Tapan Kumar Das	A Study on Empowerment of Domestic Female Workers in Mathabhanga Municipal Town, West Bengal, India
12	Bipul Chandra Sarkar and Dr. Ranjan Roy	Demographic Profile of Tribal People living in Dooars of Jalpaiguri District
13	Mr. Azharuddinsk	Population growth and land use dynamics in india: an ecological assessment
14	Amit Kumar Das and Dr. Ajit Kumar Sil	Multidimensional poverty index: a case study of gorkha community on takdah village of rangli rangliot block in darjeeling district, west bengal
15	Arabinda Roy	The Idea of Social Well-being and its Utility in Geographical Research

Technical Session 14: 10.30am-1.00pm Room No. GIS- RS Laboratory, Department of Geography

Chairperson: Professor Malay Mukhopadhyay

Co-chairperson: Biplab Biswas

Rapporteurs: Dr. Somasis Sengupta and Chandan Sarkar

Lead Paper:

Sl. No.	Name of the presenters	Title of the paper	Time
1	Biplab Biswas	Geospatial Modelling of Air Pollution, Public Health, Land Use Land Cover Types & Changes: Methodology of Sample Collection	10.30 am to 10.45 am

Sl. No.	Name of the presenters	Title of the paper
1	Raja Ghosh	Impact of Geomorphology on Rural Settlement pattern: A Case Study of Para, Hura and Kashipur Blocks in Purulia District, West Bengal
2	Kaustuv Mukherjee	Role of Physical Background on Wetland Status of Diara region, Malda District, West Bengal
3	Satabdi Roy	The population growth and its impact in the process of urbanization in india; a spatial analysis
4	Jagabandhu Roy & Dr. Sunil Saha	Sub-watersheds prioritization for erosion susceptibility mapping based on morphometric technique in Hinglo river basin, Eastern India, using TOPSIS and CF models

5	Sourav Dey and Sujit Mandal	Assessment of the Channel changes and Bank Erosion Vulnerability in the lower reach of the Torsa River, India
6	Rabin Chkaraborty, Sadhan Malik, Biswajit Das, Subodh Chandra Pal	Identification of Groundwater Prospect Zones of Raniganj C.D. Block, Paschim Bardhaman District, West Bengal
7	Somen Das	Delineation of Channel Migration Zone and its Change in Post Farakka Barrage, A case in Kalindri river of Eastern India
8	ChiranjibNad and Prof. (Dr.) Ranjan Roy	Development in Railway Sector in Jalpaiguri and Alipurduar District and Its Impact on Wild Elephant (<i>Elephas Maximus</i>): A Review
9	TirthankarBasu and Swades Pal	Application of Logistic Regression to Delineate Landslide Vulnerable Zones in Gish River Basin, West Bengal, India
10	BapiSaha	Anthropogenic Impact on Stream: A Case Study in Some Parts of Rajmahal Highland
11	Hirak Sarkar	Significance of Embankments Breaching in Southern Blocks of South 24 Parganas District, West Bengal
12	Dr.Shasanka Kumar Gayen, Rupan Dutta and Koyel Roy	Impacts of Environmental Problems on The Land Use: A Case Study of Koch Bihar District
13	Mr. Joyjit Debnath	Geomorphic Controls on Rural Settlement in a Portion of Tal Plain: A case study
14	NayanDey, DebapriyaMajumder	Study of Beach Ecosystem and The Major Environmental Issues Pertaining There; A Case Study on Tajpur Beach, West Bengal, India
15	Dr.PijushKanti Tripathi Mr. Debasish Rakshit	Tourism Potentiality, Prospects and Challenges in Newly Created Jharagram District of West Bengal.

Technical Session 15: 10.30am-1.00pm Room No. S- 315, Department of Mathematics

Chairperson: Prof. Ranjan Roy

Co-chairperson: Dr. N.K. Rana

Rapporteurs: Tanmoy Dhibor and Prakash Mistri

Sl. No.	Name of the presenters	Title of the paper
1	Dr. Deshmukh M. U. and Dr. P. A. Khadke	Urban Sprawl and Spatial Planning Issues in Nanded City of Maharashtra State
2	Bishal Chhetri	Proliferation of Slums in Kalimpong Town of Darjeeling Himalaya: A Study of Socio-Economic and Housing Conditions
3	Mr. R. U. Kharat, Miss. K. R. Kamble and Dr. P. A. Khadke	Geographical Analysis of Population Growth and Urban Expansion of Aurangabad City Using Geoinformatics
4	Md Hafijul Haque	Sphere of Influence: A Case Study of Bolpur and Dubrajpur Town, Birbhum
5	Sasanka Ghosh and Dr. Arijit Das	Urban Expansion Induced Risk Assessment for East Kolkata Wetland Using Fuzzy MCDM Method
6	Mr. A.S. Solanke and Dr. P.A. Khadke	Trends of Urbanization in Parbhani District of Maharashtra State
7	Dr. Chinmoy Kundu	Outgrowths; The Process of Urbanization

8	Aritra Basak and Prof. Giyasuddin Siddique	Socio-Economic Impact of National Highway 2 on some Selected Towns in Purba Bardhaman District
9	Dr. Tamal Basu Roy and Prof. Ranjan Roy	Periodic Market and Centrality- A Conceptual Framework of Hierarchy of Market Centres in Uttar Dinajpur District, West Bengal
10	Dr. Anindya Bhattacharyya	Gendered Urban Spaces: An Element of Concern?
11	Deblina Choudhury and Dr. Arijit Das	Rapid Urban Growth in Asansol-Durgapur Development Region: A GIS and Remote Sensing Approach
12	Kartik Adhikari	Human Awareness of Urban Climate Change Effects on Urban Health
13	Mohana Basu and Dr. Debajit Datta	The Impact of Urbanization on the Demographic Structure of Asansol Durgapur Development Authority Area (ADDA): A Geographical Analysis
14	Shyamal Dutta and Sanat Kumar Guchhait	Change Analysis of Land Use/Land Cover and Modelling Urban Growth in Kanksa C.D. Block, Paschim Barddhaman District, West Bengal
15	Binay Krishna Pal	Institutional Set-up and Urbanisation: A case study of Barasat

LUNCH BREAK: 1.00pm-2.00pm

Technical Session 16: 2.00pm-4.00pm Room No. S- 405, Department of Geography

Chairperson: Professor Sushma Rohatgi

Co-chairperson: Dr. Piyal Basu Roy

Rapporteurs: Samsul Haque and Shipra Basu

Sl. No.	Name of the presenters	Title of the paper
1	Dr.Piyali Ghosh	Continuity and Changes of Lodha: a Particularly Vulnerable Tribe of West Bengal
2	Md Monirul Islam	Measuring the Situation of Persons with Disabilities in West Bengal: A Quantitative Perspective
3	Arindam Roy and Prof. Giyasuddin Siddique	Source areas and distribution of pavement dwellers in West Bengal: a district level study
4	Bikash Barman, Pintu Paul and Dr. Pradip Chouhan	Comparative analysis of Intergenerational Educational Mobility between Scheduled Caste and Non Scheduled Caste Population of Mekhliganj Block of Koch Bihar District, West Bengal, India
5	Paramita Banerjee	Maternal Health Care Expenditure and Its influence on the Fertility Decisions in urban poor households-A Study in Kolkata, India
6	Debmita Nandi and Dr. Sumana Sarkar	Socio-economic Profile of Women Household Industry Workers in Jaypur Block of Bankura District- A Micro level Analysis

7	Tusar Kanti Hembram & Dr. Sunil Saha	Geo-statistical Modelling of Spatial Gully Erosion Risk in Jainti River Basin of Jharkhand, Eastern India: A Combined Approach of Conditional Probability and Index of Entropy
8	Sudipto Kumar Goswami and Prof. Uma Sankar Malik	Urban ethnic space: a discourse on chinese community in kolkata
9	Pintu Biswas	Historical Perspective of Migration of Uttar Dinajpur District and Associated Problems After Independence
10	Rakhi Das, Nawaj Sarif, Joy Saha, Shuvajit Barman, Jahangir Alam, Supriya Khatun and Ajay Mandal	Comparative Assessment of Status of Child Health between Malda and Pakur: A Socio-Demographic Analysis of Two Selected Districts from EAG and Non-EAG States of India
11	Tarani Bari, Dr. Probodh Kr. Mondal, Prasenjit Garai, and Tanmoy Mondal	Spatial dynamics and its impact on rural livelihood: a case study of some selected villages in and around of choupahari sal forest of illambazar c.d. block, birbhum district, w.b
12	Xavier Borogaon, Asit Das and Abdul MominHaque	Migration: As a factor of cultural diffusion among tribal communities with special references to Coochbehar district of West Bengal
13	Soumya Mitra	Wage labour influx: an overview of the socio-economic status and psychosocial stress Of informal labourer in the construction industry of east sikkim.

Technical Session 17: 2.00pm-4.00pm Room No. Smart Class, Department of Geography

Chairperson: Giyasuddin Siddque

Co-chairperson: Dr Suman Paul

Rapporteurs: Mithun Roy and Sanjukta Banik

Sl. No.	Name of the presenters	Title of the paper
1	Dr. Prabir Kumar Kundu	Population growth and land use changes in balurghat town
2	Md Monirul Islam	Measuring the Situation of Persons with Disabilities in West Bengal: A Quantitative Perspective
3	Md. Hasanuzzaman and Professor Sujit Mandal	Monitoring the Changing Mechanisms of the Meander Morphology Using GIS and Remote Sensing: A Study of River Raidak-I, West Bengal
4	Ershad Ali	Depopulated region in Mirik Municipality: a Demographical Analysis
5	Uttam Kumar Patra and Dr. Suman Paul	Determining the Status and Disparity of Human Development of Jungle Mahal, Purulia, India using Modified Human Development Index (MHDI)
6	Tushar Sarkar	Spatio-temporal Movement of Bangladeshi People to Jalpaiguri District: A Case Study of Dhupguri Block, Jalpaiguri
7	Rabi Sankar Saha, Sudipta Das, Pijush Pramanik, Swarup Ghosh, and Jiban Roy	Comparative Analysis of Status of Maternal and Child Health between West Bengal and Jharkhand

8	Masud Rana Mondal	Tourism, disparity and livelihood: A study of Tarapith temple town, Birbhum, West Bengal
9	Dr. Probodh Kr. Mondal, Pallab Nandi and Sudarshan Maji	An introspective study on caste system and rural livelihood: a case study of some selected villages under rudranagar gram panchayet of murarai- ii c.d. block, birbhum district, west bengal
10	Mrinal Kanti Roy and Dr. Rumki Sarkar	Ecological change and livelihood challenges of Garo people in Cooch Behar District of West Bengal.
11	Debasish Talukdar and Dr. Tapan Kumar Das	Sand mining in eastern dooars and its impacts

Technical Session 18: 2.00pm-4.00pm Room No. S- 407, Department of Geography

Chairperson: Prof. Golam Mostafa

Co-chairperson: Dr. Engr. M. R. Hasan

Rapporteurs: Bipul Chandra Sarkar and Kaustav Mukherjee

Lead Paper:

Sl. No.	Name of the presenters	Title of the paper	Time
1	Dr. Engr. M. R. Hasan M. G. Mostafa-Faria Hasan Md. Nafiur Rahman Md. Moynul Islam Md. Saiful Islam	Study on Physico-chemical and Microbial Parameters of Groundwater of Chapai Nawabganj in Bangladesh	2.30pm- 2.45pm

Sl. No.	Name of the presenters	Title of the paper
1	Malabika Biswas Roy, Abhishek Kumar	Conservation and management of flood plain wetland through people participation: Suraha Tal, Uttar Pradesh, A Case Study
2	Tamal Kanti Saha	Rising conflict between Agriculture expansion and Physical existence of Wetland in post dam condition in Atreyee River basin of Indo-Bangladesh
3	Suman Kumar Kundu Dr. Ananya Chakraborty	Farmers' Adaptation to Climate Change: A Case Study in Lower Gangetic Plain, India
4	Mukunda Mishra & Tanmoy Sarkar	Multi-Criteria Based Landslide Risk Mapping for Urbanized Hill Towns - A Study In & Around Mussoorie, Uttarakhand, India
5	Atreyee Sahana, Soumik Agarwal	Combat against, A peril of industrialization: Fly Ash
6	Indrajit Mandal, Swades Pal	Socio - ecological Impacts of Stone Crushing & Mining of Dwarka River Basin of India
7	Keshab Mondal and Soumita Biswas	Spatio-Temporal Variation of Air Pollution and Its Impacts on Human Health In Durgapur Municipal Corporation, West Bengal, India
8	Paban Ghosh and Kabita Lepcha	Impact of Land Use/Land Cover Changes on Land Surface Temperature and Land Surface Emissivity of Lodhama River

		Basin, Darjeeling Himalaya Using Geographical Information System (GIS)
9	Goutam Das & Kabita Lepcha	Application of Logistic Regression (LR) and Frequency Ratio (FR) Models for Landslide Susceptibility Mapping in Relli River Basin, Darjeeling Himalaya
10	Priyanka Kundu	Encroachment of Wetlands in Tufanganj II C D Block of Cooch Behar District, West Bengal
11	Smt. Debika Ghosh	River Bank Erosion and Its Impact on Landuse / Landcover Change: A Case Study in West Bengal
12	Dr. MD Nasiruddin	Bank Erosion of The Ganges River and Its Management: A Case Study of Panchanandapur Village, District- Malda, West Bengal.
13	Gosai Maji	Environmental threats due to industrialization: A study on Asansol-Durgapur-Industrial Region of West Bengal

Technical Session 19: 2.00pm-4.00pm Room No. GIS- RS Laboratory, Department of Geography

Chairperson: Prof. Mujibor Rahman

Co-chairperson: Dr. Shasanka Kumar Gayen

Rapporteurs: Dr. E. Ishwarjit Singh and Md. Hanif Bhuian

Sl. No.	Name of the presenters	Title of the paper
1	Debaleena Majumdar, Debajit Datta, Subha Chakraborty, Swati Saha	Anthropogenic and Seismological impacts on Coastal Ecosystem of Andaman during 2000-2017
2	Amiya Gayen & Dr. Sunil Saha	Spatial modeling of gully erosion: a new ensemble of CART and GLM data mining algorithms
3	Prakash Mistri and Somasis Sengupta	Land Suitability Classification (LSC) for Agricultural Landuse of Malda District, India: Physical and Infrastructural Determinants
4	Dr. Sribash Tikader	Unsustainable Land Use Change Detection Using GIS Technique: A Case Study of Faridpur-Durgapur Block of West Bengal
5	Biplab Mandal and Sujit Mandal	Analytical hierarchy process (AHP) and spatial distribution of landslide susceptibility in the Lish river basin of Eastern Darjeeling Himalaya, India
6	Sanjib Chakraborty	Anthropogenic Interferences and Modifications of Tulaipanji Rice: An Approach Towards the Perception Study
7	Gopal Chandra Paul & Dr. Sunil Saha	Demarcation of Flood Vulnerable Areas Using Conditional Probability and Logistic Regression Models: A Study on Bansloi River Basin, Eastern India
8	Ashok Sarkar & Gitumoni Rajbongshi	Forest and Wildlife Scenarios in Dooars Region, West Bengal, India
9	Madhusudan Karmakar	River Bank Erosion Induced Human Displacement and its Problems: A Study of Maynaguri Block in West Bengal, India
10	Sandipta Debanshi, Swades Pal	Identification of gully erosion potentiality zones in Mayurakshi river basin of eastern Chottanagpur fringe
11	Soumya Kalyan Kumar and Dr. Kaushik	Relationship Between Leaf Damage and Chlorophyll Content in Jute Leaf due to Phytophagous Insect

	Chakraborty	
12	Tanmoy Das	Deterioration of riparian environment along river Kopai through human interference: A spatio-temporal overview
13	Totan Das and Dr. Kaushik Chakraborty	Impact of Seasonal Dynamics on Mango Mealy Bug Population and Prediction Based Management

Technical Session 20: 2.00pm-4.00pm Room No. S-315, Department of Mathematics

Chairperson: Prof. Ravi S. Singh

Co-chairperson: Dr. Snehamanju Basu

Rapporteurs: Koyel Roy and Binay Krishna Pal

Sl. No.	Name of the presenters	Title of the paper
1	Puja Banerjee	Technological Advancement and Smart Urban Transformation: A Study of Increasing Use of Smart Technology in the Urban Social Lifestyle
2	Debajit Datta, Raktima Ghosh, Mrinmoyee Naskar, and Shrabana Mazumder	Analyzing Spatial Transformations in Urban and Peri-Urban Agriculture of Kolkata Metropolitan Area
3	Sk. Ziaul and Swades Pal	Impact of Anthropogenic Heat on Thermal Environment of English Bazar Town and Its Surroundings
4	T. Sardar, A. Debnath and C. Das	An analytical study of urban expansion from 2001 to 2017 and its impact on Land Surface Temperature in Barasat Municipality Area
5	Hassan Momin and Rubia Biswas	The Level of Urbanization in Malda District: A Study on Geographical Analysis
6	Piyashee Mallik	Sustainability of Small-Scale Urban Centers in West Bengal-A Study of North Twenty-Four Parganas
7	Chandan Sarkar	Pattern of Urbanization and Urban Development in North 24 Parganas District, West Bengal
8	Dr. Rimi Roy and Ms. Karobi Mondal	Urban Growth and Pressure: A Study on Barrackpore Sub Division, North 24 Parganas, West Bengal
9	Shilpa Parui and Dr. Arijit Das	Transformation of Ru - Urban Settlements of Malda District, West Bengal
10	Somnath Mandal, Subrata Haldar, and Dr. Suman Paul	Built-up Area Extraction using Semi-quantification Method from Remotely Sensed Data
11	Sujoy Sadhu and Lakshminarayan Satpati	Urban Micro Climate Study in the Kolkata Municipal Corporation (KMC) Area
12	Tuhin Dey Roy and Arindam Basak	Urban Growth Analysis Using Remote Sensing and GIS: A Study of Alipurduar District, West Bengal
13	Mr. Suman Kumar Dey and Dr. Shasanka Kumar Gayen	Impacts of Urban Growth in Kurseong Sub-Division, West Bengal: A Geographical Analysis
14	Rahul Chakraborty and Nayan Dey	An Overview on Urban Transformation in Kolkata
15	Reshmi Shaw and Dr.	Applicability of landscape metrics for the monitoring of

	Arijit Das	landscape change: A study of urban sprawl in Raiganj municipality and its peripheral areas
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VALEDICTORY SESSION: 4.30pm-5.30pm

Chairperson: Professor Malay Mukhopadhyay

Co-chairperson: Professor Mallik Akram Hossain