SCHEDULE FOR STREAM 2022	
DAY 1 (14-12-2022)	
Time	**Session**
9:30 Hrs-10:00 Hrs	Registration
10:00 Hrs-10:30 Hrs	**Inaugural Ceremony**
10:30 Hrs-10:45 Hrs	Tea Break
10:45 Hrs: 13:15 Hrs	**Theme: Bioengineering for Controlling River Bank Erosion** Session Chairs:**Prof T V Bharat, Prof Chandan Ghosh**
10:45 Hrs: 12:15 Hrs	Plenary Sessions-I (**Bioengineering for Controlling River Bank Erosion**)
	Keynote and Thematic Paper (15 minutes each) **Prof Sudhanshu Panda (Online), University of North Georgia** **Prof T V Bharat, IIT Guwahati** **Dr HemantaDoloi, University of Melbourne** **Prof Chandan Ghosh, NIDM** **Special Talk (Field Oriented)** **Deep Pegu and Dr Rajib Goswami, WRD Assam**
12:15 Hrs-13:15 Hrs	**Technical Session-I on Bioengineering for Controlling River Bank Erosion**
12:15 Hrs-13:15Hrs	7 Participants presentation (8 min each)**CR-A**
Prof Md. Munsur Rahman	Potential for Enhancing Sediment Retention using Banda like Structures
Dr SONALI GHOSH	Erosion control and embankment protection through Agroforestry as NatureBased Solutions
Mr Pritam Kumar	Three dimensional turbulent flow characteristics in a channel with emergent rigid vegetation
Mr GurugubelliYatirajulu	Longitudinal and lateral velocity in a sinuous channel bend
Dr ParthaJyoti Das	Understanding vulnerability and adaptation in the context of river erosion and flooding: A study on the

	riparian communities in the SalmoraMouza, Majuli District, Assam, India
Mr NILUTPAL HAZARIKA	A Comparative Performance Study between Experimental and Simulated (MIKE 21 C) Environment of Model Porcupine Screens with respect to Hydrodynamics of a Straight Alluvial Reach
Mr HUSSAIN MINHAJUL IJAJ	A study on Morphological changes in a Meandering Reach (Experimental and Simulated) using Model Porcupine Screens
12:15 Hrs-13:15Hrs	6 Participants presentation (8 min each)**CR-B**
Mr Vijay Meena	Experimental study of optimum waterway width and its simulation through HEC RAS Modelling considering various aspects of the river
Mr AJHARUDDIN KHAN	Assessment of planform changes of a natural stream using satellite imagery
Dr Sumedha Chakma	Integrated Applications of Hydraulic Modelling, Empirical Curves, and Remote Sensing for Sustainable Management of Tehri Dam
Dr Kapileswar Mishra	Effect of Low Tail Water Level on the Scour of D/S of Barrages
Mr Arijit Chakraborty	Impact of vegetation on river bank protection
Dr Tapas Karmaker	Experimental Investigation on the Impact of Expansion/Contraction on Channel Bar Formation
13:15 Hrs-14:30Hrs	Lunch Break
14:30 Hrs-17:00 Hrs	**Ecological Management Practices (EMPs) for Catchment Management** Session Chairs: **Prof Arup Kumar Sarma, P.M. Scott**
14:30 Hrs-16:00 Hrs	Plenary Sessions-II (**Ecological Management Practices (EMPs) for Catchment Management**) Keynote and Thematic Paper (15 minutes each) **Prof Arup Kumar Sarma, IIT Guwahati** **Prof Hemanta Hazarika, Kyushu University, Japan** **Shri PM Scott, Central Water Commission** **Shri S.K.Sinha,Central Water Commission** **Special Talk (Field Oriented)** **Shri LitemoMurry, Joint Director, Soil and Water Conservation, Nagaland**

16:00 Hrs-17:00 Hrs	**Technical Session-II on Ecological Management Practices (EMPs) for Catchment Management**
16:00 Hrs-17:00Hrs	5 Participants presentation (8 min each)**CR-A**
Dr GAJALAKSHMI K	Decentralised water treatment and Augmented solution using GIS techniques
Ms BhaswateeBaishya	Application of Ecological Management Practices for Integrated Land and Water Management in Hilly Watershed
Mr Yuvraj Siddharth	Environmental flow assessment for sustainable ecosystem management in the tel river Odisha
Ms MrigakshiBharadwaj	A study on Geometry, Relief and Morphometric characteristics of the Beki River Basin , Assam
Mr Vijay Meena	Indicators of Ecological Sustainability for the Management of the Brahmaputra River Basin
16:00 Hrs-17:00Hrs	6 Participants presentation (8 min each)**CR-B**
Mr ChiradipBarua	Impact assessment of airport on ecological environment and vegetation using satellite imagery
Mr SATHEESH BARRE	Estimation of spatial and temporal variation of Satellite based Glacier Surface Velocity in Arunachal Himalaya
Mr Rahul Waikhom	Discharge pattern of Dudhnai watershed Brahmaputra basin under the influence of climate change
Ms PriyaShejule	Analysis of Characteristics of Meteorological Parameters using Ensemble Empirical Mode Decomposition
Mr AJAY KRISHNAN U	Twodimensional Modelling of Braided River Morphology Dynamics
Dr Laveti N V Satish	Computation of Environmental Flow in the Middle Reaches of Himalayan River using Hydrological Modelling
17:00 Hrs-17:30 Hrs	Tea Break
17:30 Hrs- 20:00 Hrs	**Cultural Program followed by Dinner**
DAY 2 (15-12-2022)	
09:30 Hrs-11:45 Hrs	**Early Warning System, Climate change issues and Disaster Preparedness** Session Chairs: **Prof Subhasisa Dutta and Shri Sher Singh**
09:30 Hrs-10:30 Hrs	Plenary Sessions-III (**Early Warning System, Climate change issues and Disaster Preparedness**)

	Keynote and Thematic Paper (15 minutes each) **Dr TirupatiBalisetty, University of Windsor** **Dr Arup Kumar Misra, Director, Assam Science Technology and Environment Council** **Prof Subhasisa Dutta, IIT Guwahati** **Special Talk (Field Oriented)** **Shri D.J.Borgohain, Consultant WAPCOS**
10:30 Hrs-11:45 Hrs	**Technical Session-III on Session on Early Warning System, Climate change issues and Disaster Preparedness**
10:30 Hrs-11:45Hrs	9 Participants presentation (8 min each)**CR-A**
Mr SagarDebbarma	Development of Rating Curve Using Genetic Algorithm for Tlawng Watershed Mizoram
Mr Utkarsh Tyagi	Early Warning system for Heavy Rain and Cloud Burst for INDIA and South East Asian Countries
Dr Amit Dubey	Potential of SWOT observations and modeling technique in early warning of flood disaster in the Brahmaputra river
Dr GANAPATHY PATTUKANDAN GANAPATHY	2022 Silchar Flood Lessons Learned
Ms VihangaAmarakoon	Indigenous Knowledge and Flood Preparedness in the Kalu River Basin Sri Lanka
Mr Chandan Pradhan	Application of River Recovery Concept to the Highly Braided Brahmaputra River System
Mr Ketan Nandi	Morphological Characterization of Large Braided Brahmaputra River Using High Resolution Satellite Imageries
Mr Dhruv Pandey	Air and river water temperature variance in Western Nayar River basin in Garhwal Himalaya
Mr ALOK PATNAIK	Community Based Embankment Management (Disaster Preparedness and Mitigation in Flood Management)
10:30 Hrs-11:45Hrs	8 Participants presentation (8 min each) **CR-B**
Mr Hrishikesh Kumar	`
Mr Abdul Rahman	CMIP6 GCMs ranking using Compromise Programming approach for North East India
KRISHNA KASHYAP	River Bank Line Monitoring Using Satellite Data

Mr Rohan Choudhury	Rainfall Runoff model sensitivity analysis using GPM and IMD precipitation product
Mr Biswajit Pradhan	Prediction of suspended sediment yield using soft computing approaches of Mahandi River
Dr Chitaranjan Dalai	Assessing flood hazards using a GIS modelling method using complementary early warning signals
Ms Padmini Priyadarshini Pradhan	Flood risk assessment of Subarnarekha River using adaptive neural based fuzzy inference system (ANFIS)
Ms Dipsikha Devi	Introducing a Flood Risk Factor (FRF) for Effective Flood Warning at Downstream of a Hydel Project Using BRAHMA 1D Model
11:45 Hrs-12:00 Hrs	Tea Break
12:00 Hrs-15:15 Hrs	**Modelling, Simulation and Flood Risk Management** Session Chairs: **Prof Suresh Kartha and PLN Raju**
12:00 Hrs-13:00 Hrs	Plenary Sessions-IV (**Modelling, Simulation and Flood Risk Management**) Keynote and Thematic Paper (15 minutes each) **Prof Suresh Kartha, IIT Guwahati** **Shri PLN Raju, Special Secretary, DST, Govt of Assam** **Dr M. Murai, Shimizu Corporation, Japan** **Special Talk (Field Oriented)** **Shri A.Doreen Blah, Additional Chief Engineer, WRD,Meghalaya**
13:00 Hrs-14:00 Hrs	Lunch Break
14:00 Hrs-15:15 Hrs	**Technical Sessions-IV on Modelling, Simulation and Flood Risk Management**
14:00 Hrs-15:15Hrs	9 Participants presentation (*8 min each*) **CR-A**
Mr Susanta Das	Flood inundation scenario generation with geospatial and hydromet input
Mr BimanKalita	Estimating an optimal Mannings n value for a reach of the Brahmaputra River
Dr Swapnali Barman	Development of a SWAT ANN based Coupled Model to Analyse Impact of Climate Change on Sediment Yield of Puthimari River India

Ms Leema Pathak	Runoff Simulation using SWAT Model A Case Study for the Baralia River Watershed
Mr Anurag Handique	Complexities involved in channelization of a braided river: a mathematical model study
Mr RishirajKakoty	Hydrological Study and Design of Drainage System Considering Options of both Gravity Drain and Pumping System.
Mr Gaurav Talukdar	Mathematical Model tale: A success story of protecting river bridge over a mountainous river
Dr Ashes Banerjee	Influence of Anthropogenic Factors on Flood Damage in Brahmaputra Valley, Assam, India
Mrs Lasyamayee L Sahoo	Modelling of Extreme Floods and Associated Debris loads in Eastern Himalaya
14:00 Hrs-15:15Hrs	9 Participants presentation (*8 min each*) **CR-B**
Mr ABHISHEK MONDAL	A model of adaptive neural based fuzzy interference system for prediction of stage discharge of Brahmani River
Mrs Saumya Srivastava	Uncertainty Based Diagnostic Framework for Multi Site Multi Variate Hydrological Model Calibration
Mr ABHISHEK MONDAL	Gene expression programming for prediction of stage discharge of Krishna River
Mr SARJATI SAHOO	Stage discharge prediction for Krishna River using gene expression programming
Ms AryalaxmiPriyadarshini	Variation of roughness for velocity distribution in a straight channel using numerical modelling
Mr Ajay Kumar	A review of modelling techniques for identifying food source areas
Mr NISHANTH M P	EFFECT OF HIGH RESOLUTION DEM ON URBAN FLOOD MODELLING IN DEHRADUN CITY
Ms SudhabantiSahoo	Longitudinal and Depth Average Velocity Of A Meandering Channel Along Its Reach
Miss. SuchismitaSahoo	Modelling of friction velocity in a straight rectangular channel in unsteady flow conditions using Artificial Neural Network
15:15 Hrs-15:30 Hrs	Tea Break
15:30 Hrs-17:30 Hrs	**Methods, Materials and policy issues in flood and Erosion** Session Chairs: **Prof Rajib Kumar Bhattacharjya, Dr Kaling Taki**
15:30 Hrs-16:30 Hrs	Plenary Sessions-V (**Methods, Materials and policy issues in flood and Erosion**)
	Keynote and Thematic Paper (15 minutes each) **Dr JS Pahihar, ISRO**

	Prof. Rajib Kumar Bhattacharjya, IIT Guwahati **Dr.Kaling Taki, IIT Guwahati** **Dr Rajib Dutta Chowdhury, DDM, Kamrup** **Special Talk (Field Oriented)** **Govt. Official, WRD, Govt of Sikkim**
16:30 Hrs-17:30Hrs	**Technical Sessions-IV on Methods, Materials and policy issues in flood and Erosion**
16:30 Hrs-17:30 Hrs	6 Participants presentation (*8 min each*) **CR-A**
Ms MUNUVELU VESE	Comparative analysis of soil erosion from Mago river basin of Arunachal Pradesh using ArcSWAT and GeoWEPP
Mr GOVIND KATIYAR	Flood Mitigation and Water Management In Assam Through Ecological Management Practices (EMPs)
Dr SUSANTA BORGOHAIN	Palaeochannels in Upper Assam Influence on Topography and Flood
Mr SayanHaldar	Evaluation of the SWAT model's performance at varying HRU threshold
Mr BHABESH DAS	Landslide Susceptibility Mapping (LSM) using a GIS based Machine Learning Algorithm
Mr Ajay Kumar	Impact of the flow properties in a compound meandering channel
16:30 Hrs-17:30 Hrs	5 Participants presentation (*8 min each*) **CR-B**
Mr KANNAN P	Review Article on River Bank Protection Using Natural Geosynthetic Materials
Mr ShovanBisai	A review on river bank erosion control techniques
Mr NENAVATH RAJ KUMAR	Remedial Measures to Control Erosion of Embankment
Ms DIPIMA SARMA	Floodplain activities and its impact on morphology of an alluvial river channel A case study on Brahmaputra River
Dr Lokeshwari M	Urbanization and Change in Land cover pattern influence on Floods
17:30 Hrs-17:45 Hrs	Tea Break
17:45 Hrs-18:30 Hrs	**Valedictory function**
18:30 Hrs-20:00 Hrs	**Dinner**