

NATIONAL SYMPOSIUM on
REMOTE SENSING FOR SUSTAINABLE FUTURE: A ROAD MAP TOWARDS VIKSIT BHARAT

Day 2 – 12 December 2024, Thursday

Poster and Visit (11:00 – 11:30hrs)		
S.no	Agriculture and Soil	Author
1	Impact of One District One Product Scheme On Aonla production and it's Cost Effectiveness	Archana Verma (archanavrm88@gmail.com)
2	Spatial Analysis of Maize Crop Acreage Estimation in Kannauj District of Uttar Pradesh through Remote Sensing & GIS Techniques	ASHWANI KUMAR (ashwanirsacup@gmail.com)
3	Site Suitability Analysis for Banana Cultivation in Uttar Pradesh Using Random Forest Machine Learning Algorithm	Chandra Shekhar yadav (cs.iagup@gmail.com)
4	Spatiotemporal Analysis of Orchard Dynamics in Baghpat District using Geoinformatics: A Decadal Perspective	suman madhup (sumanporro30@gmail.com)
5	Analysing Soil Moisture Dynamics In Lalitpur Using Geospatial Techniques	ANKIT KUMAR YADAV (rtiwarigeology@gmail.com)
6	Estimation of Evapotranspiration Using the S-SEBI Model and Landsat-8 Data in Western India	AYUSHI BHATI (ayushibhati1495@gmail.com)
7	Mapping and Acreage Estimation of Kinnow (Citrus reticulata L.) Orchards at Block Level in Agra District, Uttar Pradesh using Remote Sensing and GIS Techniques	Amitabh srivastava (amiticar03@gmail.com)
8	Evaluating Water Availability In Horticultural Fields Of Jaunpur Using Geospatial Techniques	Amitabh srivastava (amiticar03@gmail.com)
9	Assessing Cold Storage Distribution in Uttar Pradesh: A GIS and GPS-Based Study	Amitabh srivastava (amiticar03@gmail.com)
10	Comparative Analysis of Carbon Flux Dynamics in Rice-Wheat Cropping Systems Across Two	Nalnajisa K A (nalnajisaka@gmail.com)

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	Distinct Agro-Climatic Regions of India	
11	Assessing the Role of Soil Organic Carbon in enhancing Soilhealth and Ecosystem Resilience:A case study of Ganjdundwara block, District Kasganj	Shweta Verma (shwetaverma0331@gmail.com)
12	Spatial Analysis & Monitor of crop residue burning in 25 districts of Uttar Pradesh Using Remote Sensing & GIS Techniques	vinod kumar tiwari (vtiwari.iu@gmail.com)
13	Assessing the Land Use and Land Cover Change in Dehradun, Uttarakhand Using Geospatial Techniques	Neha Yadav (nehayadav7007236@gmail.com)
14	Mapping of Banana crop in Barabanki District of Uttar Pradesh using Remote Sensing &GIS Techniques	Urvashi singh (singh.urvashi5@gmail.com)

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Poster and Visit (11:00 – 11:30hrs)		
S.no	FOREST & ENVIRONMENT	Author
1	Carbon monoxide source attribution across the Indo-Gangetic Plain during the Northern Indian crop residue burning season	APARNA C (aparnac@iirs.gov.in)
2	Revised Abstract: Analysing the Impact of Aerosol Concentrations on Land Surface Temperature at Lucknow city and Surroundings using Geospatial Techniques	Mohd Jaid (mohdjaid156@gmail.com)
3	Assessment of Urban Sprawl in the context of Proximity to Roads of Lucknow, India using SEI and Geomatics	GAURAV KUMAR MISHRA (ergaurav.iitr@gmail.com)
4	Analysing the Impact of Aerosol Concentrations on Land Surface Temperature in Lucknow city and Surrounding Areas using Geospatial techniques	Mohd Jaid (mohdjaid156@gmail.com)
5	Mapping Land Use Dynamics and Landscape Fragmentation in the Alaknanda River Basin: 2000-2021 Change Detection Analysis	Soumya Shambi (soumya.shambi@terisas.ac.in)

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6	Understanding the dynamics of invasion of Lantana camara and Chromolaena odorata in Mining-Forest dominated landscape of Jharkhand and Odisha: A Maxent Approach	Swayam Vid (swayam.vid@gmail.com)
7	Vegetation Fire Characterization and Fire Trends in India using Remote Sensing data	Sumit Kumar (sumit.civil18@gmail.com)
8	Applications of Evapotranspiration and its payoff to achieve sustainable development Goal 13(Climate Action). A case study of Nirmal District, Telangana. Sangem.	Giri raj (sangemgiriraj10@gmail.com)
9	Eco-Environmental Vulnerability Assessment Of Kolli Hills Using Fuzzy Analytical Hierarchical Process	Masilamani P (masilamani@bdu.ac.in)
10	Analyzing the Spatio-temporal Shifts of Urban Green Spaces in Coimbatore City Municipal Corporation for Micro- management	Senthamizh T K (senthamizhsiddeswari0707@gmail.com)
11	Mapping of Waterbodies in Meghalaya and Analysing their Spatial & Temporal Changes over a period of eight years from 2014 to 2022	Dr Subhash Ashutosh (sashutosh30@yahoo.com)
12	Classification of Ramsar Wetlands using Remote Sensing Technique in Uttar Pradesh	Deepak Kumar Chaurasia (uccdeepak96@gmail.com)
13	Spatio-temporal Analysis of Forest Loss Patterns in Assam(2019-2023): A Multi-dimensional Assessment of Deforestation Dynamics and Land Cover Transitions	Prasanna Boruah (pboruah.21@gmail.com)

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Poster and Visit (11:00 – 11:30hrs)		
S.no	Water and Earth Science.	Author
1	Hydro-Ecological Modelling and Sustainability Assessment of a Himalayan Catchment Under Impact of Climate Change	Sanjay Kumar Ghosh (sanjay.ghosh@ce.iitr.ac.in)
2	Evaluation of water quality in the Gomti River Basin: Analysing	Mansa Soni (sonimansa1214@gmail.com)

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	spatial distribution in the Lucknow Region	
3	A Geospatial based change pattern analysis of surface water bodies in Puranpur block of Pilibhit District of Uttar Pradesh	Mamta Shukla (mamtashukla2202@gmail.com)
4	Geospatial Study to assess declining trend of Groundwater levels in Jhansi District of Bundelkhand Region	Pallavi Singh (pallavisingh15797@gmail.com)
5	Delineation of Groundwater Potential Zones in Jabalpur District, Madhya Pradesh: An Integrated approach of Analytical Hierarchy Process (AHP) and RS-GIS Techniques	Ankush Charavande (ankushcharavande17@gmail.com)
6	Smart Cities Mission According to AMRUT Scheme: Analysis in the Context of Sustainable Development	Santosh Kumar (kumargis85@gmail.com)
7	Comprehensive Morphometric Analysis of Mandakini River Basin, Madhya Pradesh using Geo-informatics	Santosh Kumar (kumargis85@gmail.com)
8	Identification Of Ground Water Potential Zone In Hard Rock Terrain Area Using Multi-Criteria Decision Analysis Using Remote Sensing, Gis And Geophysical Technique	Dr. Shashank Tripathi (shashankrsac@gmail.com)
9	Monitoring the Invasive Water Hyacinth Spread in Kanjli Wetland Using Sentinel-2 Data: Implications for Conservation and Management Strategies	Aniket kishor chauhan (aniketchauhan3377@gmail.com)
10	Water body delineation for district-level analysis using machine learning and google earth engine	Ravindra Nath Traipthi (ravindra1364@wii.gov.in)
11	Delineation Of Groundwater Potential Zones In Central Part Of Mirzapur District, U.P. Using Remote Sensing And Gis Technique	RAJIV KUMAR (rajivkumar1967@yahoo.com)

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12	Is Riparian Vegetation Density Sufficient for Riverbank Erosion Control? A Satellite-Based Comparative Analysis of the Upper Beiki and Lower Ganga River Reaches	Om Prakash Maurya (opmauryaiit14@gmail.com)
13	Mapping the Changes in Urban Surface Water Bodies with Water-Related Spectral Indices	VAISHNAVI SWAMI (vaishnavi@cusb.ac.in)

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14	Reconstructing Ancient Shorelines of Kutch: Insights from Historical Records and Cartographic Analysis	Aishwarya Prashant Mhaske (aishwaryam@nias.res.in)
15	Transforming Landscapes: Analyzing Land Use Change and Its Impact on Wetland Dynamics at Chandubi Lake, Assam	Pinki Dutta (pinkidutta997@gmail.com)
16	Water Quality Simulation Using Hydrodynamic Modelling	NILAY DEY (nimtala007@gmail.com)
17	Mapping Of Ground Water Potential Zones Using Gis (Woa) And Remote Sensing Techniques – A Case Study In Kozhikode District, Kerala, Southern India	ATHIF SAYYAF (18380204@pondiuni.ac.in)
18	Integrated Study of GIS and Fuzzy-AHP for Delineating Ground Water Recharge Potential Zones in the Critical Robertsganj Block, District Sonbhadra, Uttar Pradesh of India	Dr. Shashank Tripathi (shashankrsac@gmail.com)
19	Rejuvenation of seasonal river for continuum water flow using Remote Sensing and GIS - A case study of Kathna River in Uttar Pradesh, India	PRAMOD KUMAR (ramgi00@gmail.com)
20	Decadal Assessment of Diminished Wetlands in State Capital Region of Uttar Pradesh (UP SCR) Due to Urbanisation and Encroachment Using Geospatial Technology	Animesh Ghosh (animeshghosh022@gmail.com)
21	Automation of LULC on Generic Classes	SUSHANT PATHAK (engg.sushantpathak@gmail.com)

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Poster and Visit (15:30 – 16:00hrs)		
S.no	Agriculture and Soil	Author
1	Hyperspectral Imaging Based Classification and Quality Deterioration of Indian Gooseberry for Post-Harvest Storage	Priya Yadav (yadavpriya.csir@gmail.com)
2	Evaluation Of Land And Water Resources For Agricultural Suitability For Paddy And Sorghum In Cheyyar Watershed, A Part Of Palar Basin, Tamil Nadu	Killivalavan J (muralikilli11@gmail.com)

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3	Prediction of Species using integrated AI and RS & GIS-based model, an application of Forest Genetic Resources Conservation: a case study of Bamboos of India	MANEESH SINGH BHANDARI (maneesh31803@gmail.com)
4	Evaluation of Morphometric Characteristics and Prioritization of Sub-Watersheds for Erosion Control in the Parvati River Basin of Rajasthan	Laxmi Narayan Thakural (thakuraln@gmail.com)
5	Assessing Sustainability at micro level of large scale sodic land reclamation programme in Gangatic Alluvial Plains	manisha mishra (manishamishra1012@gmail.com)
6	Natural Resources and Infrastructure Mapping in Adarsh villages of Lucknow and Hardoi Districts of Uttar Pradesh using Geospatial Techniques	Deepshikha (deepshikhayadav1890@gmail.com)
7	Climate Smart Agriculture In Changing Climate Change Scenario	DEEPAK DUBEY (deepak.dubey97@gmail.com)
8	Site Suitability Analysis for Apple cultivation in Meghalaya: A Comprehensive Geospatial Analysis	Trishna Maheshwari (trishnamaheshwari213@gmail.com)
9	Satellite-Based Crop Evapotranspiration Estimation with Synergistic Use of Sentinel-1 and Sentinel-2A Satellite Data, Parametrized Crop Coefficients: Validation using ET Station	SATABDI MANDAL (iirssatabdi2000@gmail.com)
10	Challenge To Restore Buffering Capacity Of Soil Under Threats Of Global Warming And Climate Change	Amitabh srivastava (amiticar03@gmail.com)
11	Role Of Agricultural Terraces In Dampening Mass Flux Through Sediment Connectivity In Alaknanda River Basin	Faisal Imam Umrani (fiu3111996@gmail.com)
12	Evaluation of Satellite-based Precipitation Products - CHIRPS and WorldClim: A Case Study in Meghalaya, India	Pratibha T. Das (pt.das@nesac.gov.in)
13	Agricultural drought Assessment in Mahoba district of Uttar Pradesh	KARISHMA (karishmaraj429@gmail.com)
14	Leveraging Geospatial technology for assessment of aquatic resources to support	JONALI GOSWAMI (jonali.goswami@nesac.gov.in)

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	Fisheries Development in Arunachal Pradesh	
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Poster and Visit (15:30 – 16:00hrs)		
S.no	FOREST & ENVIRONMENT	Author
1	Assessing Climate Change Impacts on Mangrove Vegetation and Reserved Forests in Sundarban Tiger Reserve, West Bengal through Geospatial Analysis	Dr Atanu Kumar Raha (atanu_raha@hotmail.com)
2	Evaluating Habitat Health and Connectivity for Elephants in Dhansiri- Lumding Elephant Reserve: A Geospatial Approach to Conservation Planning	Gautam Nath (nathgautam56@gmail.com)
3	simulation of urban sprawl using Geospatial Neural Networks	Yasaswini (yasadwinibomminayuni@gmail.com)
4	Sand Mining- Induced Morphological Changes in the Son River: Case study Of Umari District	rashmi singh gaharwar (gaharwarrashmi@gmail.com)
5	Landscape genetics of Shorea robusta: conservation insights through MaxEnt modelling and population genetic analysis using SSRs	Garima Mishra (garimamishra183@gmail.com)
6	Characterizing Temporal Dynamics of Keoladeo Wetland Using Earth Observation Data	Priti Debbarma (debbarmapriti28@gmail.com)
7	Normalized Advanced Vegetation Index (NAVI) and Automatic Vectorized Vegetation Index Tool (AVVIT) for Remote Sensing Analysis	Nideshkumar Ramesh Dhawale (nideshshawale@gmail.com)
8	Identifying The Optimal Size Of Urban Green Spaces For Cooling Benefits In Vadodara City, Gujarat	Kandarpkumar Kanubhai Parmar (kparmar9899@gmail.com)
9	Is India's island megacity Mumbai going to be the epitome of urban heat island?	Pankaj Prasad (ppankaj.earthscience@gmail.com)

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10	Classification of Tree and Non-Tree Regions in Remote Sensing Images Using U-Net	Priyanka (priyanka.bioeco@gmail.com)
11	Afforestation in Bumthang, Bhutan: Barren Land to Green Forest Observed Using Multi-Decadal Satellite Imagery	Indranil Misra (indranil@sac.isro.gov.in)
12	Development of sustainable concrete blocks using electronic waste as a partial replacement for natural aggregates	Bhakti Shankar Kadam (bhakti22.29@gmail.com)
13	Forest Change Detection And Estimation Of Tree Carbon In Bhinga Reserve Forest, Shravasti District Uttar Pradesh	Anita Yadav (aniyad0402@gmail.com)

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Poster and Visit (15:30 – 16:00hrs)		
S.no	Water and Earth Science.	Author
1	Development of a High-Resolution 12-Meter National Hydrologic-Hydrodynamic Model	VED PRAKASH (vedp1811@gmail)
2	Rejuvenation Plan Of River Mandakini/Paisuni Of Chitrakoot District, Uttar Pradesh Using Space Technology	Ashwani Kumar Srivastava (ashwani_sriv@rediffmail.com)
3	Village Level Land Use Land Cover Mapping Using Geoinformatics in Part of Majhagawan Block, District Satna MP India	Santosh Kumar (kumargis85@gmail.com)
4	Characterization of Change in Land-Cover Pattern over Lucknow, India using Temporal Satellite Images	Devansi Dixit (shubhidixit142@gmail.com)
5	Change detection of Sodic Land Reclamation using Remote Sensing and GIS in Etawah district	ZAID ALI KHAN (zaidalikhan824@gmail.com)
6	Development of a supercomputing-based operational Medium-Range Flood Forecasting System for India	Priyam deka (cez228142@iitd.ac.in)
7	Assessment of change in debris cover of glaciers associated with pro glacial lakes and comparison in glacier dynamics with relatively clean glaciers.	Devraj Gogoi (devrajgogoi10@iirsddn.ac.in)
8	Morphometric Analysis of Patni River Watershed using Geospatial Technology	Durga Tiwari (durgatiwari207@gmail.com)

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9	Spring Rejuvenation and Ecotourism through Geo-informatics: A Sustainable Approach for Conservation and Tourism Development in Chitrakoot Region	Ankit Gupta (iamankit52@gmail.com)
10	Spatial Data Analysis for Ground Water Quality Assessment with Special Reference to Fluoride"-A Case Study of Seoni District, Madhya Pradesh, India.	Dr. Dinesh Kumar Umak (umakdineshkumar@gmail.com)
11	Quantification of Snow and Glacier Melt in the Eastern Himalayas Under Climate Change	Amit Kumar Shukla (amitrshukla01@gmail.com)
12	Hyperspectral remote sensing and XRF techniques based iron ore investigations in Baragaon area of Jhansi district, U.P. (India)	Aniruddha Uniyal (drauniyal8@gmail.com)
13	UAV/Drone data based Digital Elevation Model for inference of lineaments in Tori - Pisanari area of Lalitpur district, Uttar Pradesh (India)	Aniruddha Uniyal (drauniyal8@gmail.com)
14	Google Earth Engine Based Approach For Assessment And Management Of Flood In Ganga SubBasin	GAYATRI PRASAD DWIVEDI (gayatripradas29dwivedi@gmail.com)
15	Changing channel behaviour study of Ganga river around Mali ki Madaiyan – Virampur Bridge site in parts of Bulandshahr & Amroha Districts, Uttar Pradesh, India	Aniruddha Uniyal (drauniyal8@gmail.com)
16	Rock Glacier Dynamics in Himachal Pradesh using Integrated PS and SBAS InSAR Approach with Sentinel-1A	Ajay Kumar (ajay.kumar.c2021@iitbombay.org)
17	Snow Cover Mapping in the Himalayan Region Using Multi-Temporal PF Method with Dual-Polarization SAR Data	Sreelekshmi S (sreelekshmi.iitb@gmail.com)
18	Impact of Supra-Glacial Lakes on Glacier Dynamics in the Himalayan Region (2000–2014) Using Google Earth Engine	Vandana L (vandana.iitb@gmail.com)
19	Rainfall-Runoff Simulation in Varanasi District Using the SWAT Model and GIS-Based Approaches	Dr Ajay Pratap Singh (ajaypratapsingh728@hotmail.com)
20	Conjunctive Use of Surface and Ground Water for Canal Water Supply to Mitigate Ground Water Level Rises- A study using Geo-spatial techniques in the Saryu Nahar Pariyojna Canal Command Area	Jay Kumar Mishra (drmishra.jk@gmail.com)

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Poster and Visit (17:30 – 19:00hrs)		
S.no	Agriculture and Soil	Author
1	Assessment of cadastral level crop land suitability for the Kandi region of Punjab using geospatial technology	Harpreet Singh Sidhu (harpreetsidhu4085@gmail.com)
2	Machine Learning techniques for Crop health monitoring	Lalitha Darisanam (lalithadarisanam@gmail.com)
3	Satellite-Based Crop Evapotranspiration Estimation with Synergistic Use of Sentinel-1 and Sentinel-2A Satellite Data, Parametrized Crop Coefficients: Validation using ET Station	SATABDI MANDAL (iirssatabdi2000@gmail.com)
4	Assessment of Reclaimed Sodic Land and Durability Study in Unnao district of Uttar Pradesh Using Geospatial Techniques	Ranjeet Singh Verma (ranjeetverma38@gmail.com)
5	Hyperspectral Indices for Assessment of Growth and Yield of Tomato (<i>Solanum lycopersicum</i> Mill.) under Varied Irrigation Levels	Satisha GC (satishagc@gmail.com)
6	Assessing Agricultural land suitability using Causal Machine Learning algorithms in Krishnagiri district, Tamil Nadu	M.Navamuniyammal (navamscientist@gmail.com)
7	Crop growth monitoring by dual polarimetric radar vegetation index (DpRVI) using Sentinel-1 SAR data for the soybean crop in Latur District of Maharashtra	Bhargav Sonawane (bhargavsonawane7@gmail.com)
8	Enhancing Crop Cutting Experiment Selection through Smart Sampling Techniques in Nagaon District Kaustubh Bhendarkar (kaustubh.bhendarkar@gmail.com)	Trishna Maheshwari (trishnamaheshwari213@gmail.com)
9	Estimation of Actual Evapotranspiration in Central Punjab using SEBAL Model	Sony Bora (sony-2004002@pau.edu)
10	Effect of paddy residue burning on wheat yield using satellite remote	Ankit Yadav (johnny.yadav2012@gmail.com)

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	sensing and machine learning techniques	
11	Remote Sensing-Based Crop Intensity Mapping: A Ground-DataIndependent Approach Using Satellite Imagery	Panjala Pranay (pp21cerep12@student.nitw.ac.in)
12	Remote Sensing And Gis In Identification Of Soil ConstraintsFor Sustainable Development InPali District, Rajasthan	Laxman Singh (laxman946127@gmail.com)

Day 2 – 12 December 2024, Thursday

Poster and Visit (17:30 – 19:00hrs)		
S.no	Remote Sensing Based Project of Central and State Government Department	Author
1	LATEST_UPDATE: Use of GIS and Remote Sensing in Optimal Site Selection for Solid Waste Disposal for Allahabad Municipal Corporation, Uttar Pradesh	Dr. Virendra Kumar (vk15868@gmail.com)
2	Landuse Change Detection Analysisusing Multi Date Satellite Data and GIS Techniques	VIRENDRA KUMAR MAURYA (mauryavirendra63@gmail.com)
3	Landuse Change Detection Analysisusing Multi Date Satellite Data and GIS Techniques	Dr. Virendra Kumar (vk15868@gmail.com)
4	Multi-year monitoring of rift propagation over Amery ice shelf using SOCM-3 data	Leuva Unnati Pravinbhai (unnati.leuva@gujaratuniversity.ac.in)
5	Encroachment Analysis using Sajramap and Satellite data for Impact Assessment on Housing Development area of Mandhana, Kanpur, Uttar Pradesh	VASHI AHMAD (vashirsacup@gmail.com)
6	Land Use and Land Cover Area Estimation Using High-Resolution Open-Source Data in the GIS Domain	Mohammad Shoeb Umar (hajishoeb97@gmail.com)
7	Predicting Future Housing Demand in Bhadohi City using G.I.S. and High Resolution Satellite Data	HARSHITA SINGH (harshitasingh2097.hs@gmail.com)
8	Groundwater Estimation: An Integrated Approach to make Long-Term Sustainable.	Nekkanti Raghavendra Rao (raghav.n.231@gmail.com)
9	Police Information System Using Space Technology	Ashwani Kumar Srivastava (ashwani_sriv@rediffmail.com)

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10	An Integrated Approaches for the Preparation of Water Harvesting Structure Using GIS-Based Modeling Techniques for Mirzapur District of Uttar Pradesh State.	Animesh Ghosh (animeshghosh022@gmail.com)
11	Sites Suitable for Water Harvesting Structure Plan Using Remote Sensing and GIS - A Case Study of Varanasi District, Uttar Pradesh, India	Animesh Ghosh (animeshghosh022@gmail.com)
12	Development of Web-GIS Portal for Visualization and Management of Historical Sites	Dr. Shashikant Patel (shashikant.p@prsc.gov.in)
13	Integration of Remote Sensing and GIS for Groundwater Potential Mapping in the Lower Shiwalik Region of Punjab: A Hydrogeomorphological Perspective	Ankush Pandey (ankushpandey0228@gmail.com)
14	Impact of low visibility at Chennai International Airport	Arkadeb Banerjee (banerjeeak11@gmail.com)
15	A Study Of Transfer Learning Approach In 2d-Cnn Model For Poppy Crop Mapping	ADITI GOEL (aditi_goel1996@hotmail.com)
16	Aerosol characteristics over Chennai Metropolitan Area: A comprehensive study	Arkadeb Banerjee (banerjeeak11@gmail.com)
17	Remote Sensing Applications for PMGati Shakti Mission: Leveraging Drone Technology for Efficient Project Execution in India	Manvendra Pal (manvendra_pal@nrsc.gov.in)

Day 2 – 12 December 2024, Thursday

Poster and Visit (17:30 – 19:00hrs)		
S.no	Disaster Climate Risk & Climate Resilience	Author
1	Encroachment Analysis and Impact Assessment on Urban Housing Development in Mandhana, Kanpur	sachin shukla (sachinshukla807@gmail.com)
2	Predicting Future Housing Demand in Bhadohi City using G.I.S. and High Resolution Satellite Data	HARSHITA SINGH (harshitasingh2097.hs@gmail.com)
3	Building Climate-Resilient Cities: Challenges and Strategies	Upasana Dutta (d.upasana@gmail.com)
4	Exploring the Potential of High-Resolution Ensemble Precipitation Dataset for Identifying Cloudburst Events	Anagha P (cez208288@iitd.ac.in)
5	Assessment of Avalanche Susceptibility in Uttarakhand Himalayas using Remote Sensing and GIS	SAKSHI TRIPATHI (tripathisakshi@gmail.com)

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6	Geoinformatics In Multi-Disaster Risk Assessment Study For Tamil Nadu, India	Kumaraswamy K (kkumargeo@bdu.ac.in)
7	Shoreline Demarcation and Erosion/Accretion Estimation in the parts of Tamil Nadu Coast, India	Anuya Raghunath Ramteke (anuyaar5@gmail.com)
8	Flood risk assessment, mitigation and management of Rapti River in Gorakhpur District Using Remote Sensing and GIS Technology	Ritu Yadav (env.kry@gmail.com)
9	Evaluating Lightning Activity over Jharkhand using Satellite-Based Observations: A Machine Learning based Approach	Rohit (rohit.roy@bitmesra.ac.in)
10	Geospatial Insights for Climate Resilience: Leveraging GIS and Remote Sensing in Vulnerability Assessments for Informed Policy Making	Dr. Majid Farooq (majid.farooq@jk.gov.in)
11	AI & IoT Based Flood Monitoring and Rescue System_A review	Bhakti Shankar Kadam (bhakti22.29@gmail.com)
12	Dynamic Landslide Evolution in Wayanad District, Kerala: A Multi-Temporal GIS and Remote Sensing Approach for Risk Assessment for Early Warning.	SRUTHI S BABU (babusruthis@gmail.com)
13	Assessment of Urban Growth dynamics around water bodies using Remote Sensing data and GIS techniques: A case study of Madurai	PURBA BISWAS (purbabiswas@kgpian.iitkgp.ac.in)
14	Assessment of Temporal Variations in Urban Wetlands in Selected Cities of Tamil Nadu Using Remote Sensing and GIS	vaishaly saranaathan (saravaishu21@gmail.com)
15	Snow Cover and Snowmelt Dynamics in Uttarakhand under Future Climate Scenarios using Cryosphere-hydrological Model	Sudikin Pramanik (sudikin@iirsddn.ac.in)
16	Assessment of Agricultural Drought using Remote Sensing Indices in Lower Ponnaiyar River Basin, Tamil Nadu	Thanuja Krishnan R (thanujakr99@gmail.com)
17	Decadal Assessment of Mangrove Dynamics in Karankadu Using High-Resolution Satellite Imagery: Implications for Coastal Resilience and Management	Anas Bin Firoz (abfc007@gmail.com)
18	Optimizing Land Surface Modeling through Machine-Learning Based Depth to Bedrock Mapping	Joel Varghese (varghesejoel4@gmail.com)

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19	Quantitative Assessment of Flood Damage in Valencia, Spain Using Remote Sensing Data	Apoorva Malviya (apoorvamalviya10@gmail.com)
20	Integrated Multi-Hazard Reach Scale Damage Assessment Framework for Himalayan River Catchments	Manish Singh Rana (manishsingh@iitg.ac.in)
21	Change Detection of Urban Heat Islands for Muzaffarpur City using Geospatial Techniques	ANKIT KUMAR YADAV (rtiwarigeology@gmail.com)
22	Flood Prone Area Mapping A Review of the role of GIS , Remote sensing and AI in Disaster Management	Bhakti Shankar Kadam (bhakti22.29@gmail.com)

Day 3 – 13 December 2024, Friday

Poster and Visit (11:30 – 12:00hrs)		
S.no	Satellite Metrology, Metrology , Oceanography, Blue Economy	Author
1	Long- and Short-Term Shoreline Changes of Puri Coast, Odisha (India): Impacts of Natural Processes and Human Activities Through Remote Sensing and Statistical Analysis	Debabrata Mishra (debabratamishrapuri@gmail.com)
2	Impact Assessment of ozone pollution on crop yield loss over the Northern Indian region.	Sameer Mohapatra (mmohapatra.sameer99@gmail.com)
3	Interannual variability of sea surface temperature over the southwestern tropical Indian Ocean	SANDEEP K K (sandeepkk@iitbbs.ac.in)
4	Influence Of Indian Ocean Dipole Phases On Surface Chlorophyll And Pco2 Variability Along The Coastal Regions Of Java And Sumatra	Catherine Theresa (theresacatherine29@gmail.com)
5	An integrated coastal vulnerability assessment using geospatial technique along Kerala coast, India	TWAMEKA GHOSAL (twameka99iirs@gmail.com)
6	Quantitative Analysis Of Shoreline Change Of East Coast Of India Using Multi-Temporal Satellite Data	SAJAY S S (sajayiirs@gmail.com)

Day 3 – 13 December 2024, Friday

Poster and Visit (11:30 – 12:00hrs)		
S.no	E-GOVERNANCE, DATASCIENCE AI AND ML	Author

NATIONAL SYMPOSIUM on
REMOTE SENSING FOR SUSTAINABLE FUTURE: A ROAD MAP TOWARDS VIKSIT BHARAT

1	Application to GIS and ML techniques to Assess Universal Accessibility	Kakoli Saha (kakolisaha@spahopal.ac.in)
2	Enhancing the precision of rainfall forecasting capabilities through a hybrid modeling approach.	sandeep pattnaik (spt@iitbbs.ac.in)
3	Occlusion-Aware Road Extraction from High-Resolution Remote Sensing Imagery: A Deep Learning Approach	Shankar Naik Rathod Karamtoth (kshankar@cdac.in)
4	Understanding Deep Learning Based Processings For Damage Detection In Heritage Structures	Om Singh Lilhare (omsinghlilhare191@gmail.com)
5	Tropical cyclone intensity prediction using deep neural networks over the Indian region	sandeep pattnaik (spt@iitbbs.ac.in)
6	State of the Art and Trends in Cancer Control and Prevention in Asia: Geospatial Science towards SDG 3.4	Rahul Dev (rahuldevsinsinwar@gmail.com)
7	Flood Risk Mapping Using GIS and Machine Learning: A Case Study Approach	KRITI VAJPAYEE (kriti25122001@gmail.com)
8	Deep Learning Powered Damage Detection: Preserving the Architectural Legacy of Cultural Heritage Sites	Om Singh Lilhare (omsinghlilhare191@gmail.com)
9	State-of-the-Art Methods for Extracting Buildings from High-Resolution Satellite Images: An Overview of Challenges and Advances	Isha Singhal (isha.iirs12@gmail.com)
10	AI, ML & Geospatial technique-based analysis of river dynamics and prognostication of the future pathway in the southern sector of Ghaghara River	SUSHANT PATHAK (engg.sushantpathak@gmail.com)
11	Analyzing Urban Growth and Spatial Dynamics in the Kolkata Metropolitan Area: A Review	Somdatta Chakravorty (csomdatta@rediffmail.com)
12	Automated Building Damage Assessment Using deep learning techniques for Disaster Management	Shashwat Chaturvedi (shashwatchaturvedi585@gmail.com)

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Poster and Visit (11:30 – 12:00hrs)		
S.no	Sensor Technology, Data Processing, UAV, Lidar, SAR & GNSS	Author
1	The rate of Subsidence velocity mapping using StaMPS-PSI method	Shashwati Singh (bhushashwaticsir@gmail.com)

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2	Integrating Sensors on Quadcopter Drone/ UAV using Raspberry Pi Microcontroller for Real Time Air Quality Monitoring	R. D. Gupta (rdg@mnnit.ac.in)
3	Satellite-Based Monitoring for Dam Infrastructure Safety and Risk Mitigation.	Manish Bhagat (manishbhagat0235@gmail.com)
4	Integrated InSAR Approaches for Monitoring Rock Glacier Dynamics in Himachal Pradesh: Assessing Vertical and Horizontal Subsidence	Ajay Kumar (ajay.kumar.c2021@iitbombay.org)
5	Design, Development, and Deployment of 3D Urban Spatial Digital Twin (3D City) for VaranasiCity with Mobile and Web-Based Dashboards	Dr Santosh Kumar Tripathi (sktripathi@varanasismartcity.gov.in)
6	Python Implementation of $m-\delta$ (delta), $m-\chi$ (chi) and modified $m-\chi$ (chi) Decomposition Methods for L1-SLC Image Data for potential CP-SAR based Smart Satellite Mission	DHULIPALA SURYA SREERANJANIVAISHNAVI (22xv1m6722@gmail.com)
7	Estimating Village-Level Potato Yields Using Remote Sensing and Ground Data in Uttar Pradesh: An Ensemble Approach	Aman Qayum (amanqayum@gmail.com)
8	Object-Based Classification of Agricultural Land Using UAV Multispectral and Elevation Data: A Comparative Approach	Ovungrhoni V. Murry (ovungrhonivmurry1@gmail.com)
9	Bridging the Gap between established Ground Monitoring Stations measuring air pollutant concentration by designing and deploying IoT Sensor module onboard UAV.	Shubham Singh (phdrs10006.20@bitmesra.ac.in)
10	Unified Deep Learning Approach for Heterogeneous Building Extraction from Satellite Images.	Ayushi Karare (ayushikarare1@gmail.com)
11	Comparing Drone vs. Manual Fungicide Spraying impact on PotatoCrop Using Multispectral Vegetation Indices	Harshita Kudeshiya (hkudeshia@gmail.com)
12	7SD and 9SD decomposition-based target characterization in EOS- 04/RISAT-1A POLSAR imagery	Rashmi Malik (rashmi@iitk.ac.in)
13	Delineation of Micro-Geomorphologic Units in the Deltaic Environment using High-Resolution TanDEM-X	RAMESHARAVIND P (ramesharavind23098@gmail.com)
14	Extracting heights of Urban Objects Using LiDAR	Reedhi Shukla (reedhi_shukla@nrsc.gov.in)

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15	Topographical Mapping of Kailash Temple for Corridor Development Using UAV and LiDAR	Pooja Sharma (p.sha5131@gmail.com)
16	Identification of Coffee Plantation using a customised CNN Model and EO data	Minakshi Kumar (minakshi@iirs.gov.in)
17	Evaluation of CartoDEM 2.5m data using openly accessible ICESat-2 LiDAR datasets	Ashutosh Bhardwaj (bhashu12@yahoo.com)
18	GENERATION OF SLOPE GEOMETRY USING TERRESTRIAL SMARTPHONE PHOTOGRAPHS	Reet Kamal Tiwari (reetkamal@iitrpr.ac.in)
19	Spatiotemporal Analysis of Subsidence Risks in Neyveli's Lignite Mining Region Using Sentinel-1 SAR Data and Hotspot Detection	Nambi Manavalan Rajan (rnambimanavalan@gmail.com)
20	Integrating Optical and SAR Data for Near Real-Time Landslide Detection: A Remote Sensing Approach	Shashank Bhaskar (sk291937@gmail.com)
21	channel dynamics of ghaghara river near kaithi ghat bridge site in parts of gonda and ayodhya districts of uttar pradesh, india	Aniruddha Uniyal (aniruddhauniyal@yahoo.com)