

Time Slot	Session Details							
16.30-18.00	1.5 Poster   Monday, October 6							
#	Abstract ID	Abstract Title	Theme	Contribution	Participant	Affiliation	Country	Status/ Presenter
1	IAHS25_ABS_M3940	Atmospheric Moisture Budget and Its variability over the Indian Subcontinent	ICRS	Poster	Mr. Ranjan	IIT Kharagpur	India	
2	IAHS25_ABS_H8524	Climatic shift and human activities have resulted in a loss of 40 Gt water storage from the Helmand River basin over the last two decades	ICRS	Poster	Dr. Bramha Dutt Vishwakarma	IISc Bangalore	India	
3	IAHS25_ABS_J2678	Satellite- based Flood detection in Arid regions using Sentinel-1 Synthetic Aperture RADAR	ICRS	Poster with Video-Interview	Mr. Shagun Garg	University of Cambridge	United Kingdom	
4	IAHS25_ABS_J3669	A New Approach for Enhancing Reservoir Surface Water Mapping Using SAR-Assisted Correction of Cloud-Contaminated Optical Scenes	ICRS	Poster	Mr. Sparsh Shekhar	IIT Bombay	India	
5	IAHS25_ABS_E8891	Deep Learning based Quantitative Precipitation Estimation using Dual-Polarization Remote Sensing Radar over Widely Varying Climate Zones	ICRS	Poster	Mr. EunYeol Kim	Colorado State University	United States	
6	IAHS25_ABS_S8142	Mapping Irrigation Quantities in Indian Rice Fields Using MODIS and GPM Datasets	ICRS	Poster with Video-Interview	Mr. Mukund Narayanan	IIT Roorkee	India	
7	IAHS25_ABS_W5707	Evaluating the Performance of Satellite-Derived Precipitation and Reanalysis-Based Potential Evapotranspiration in Streamflow Estimation Across Diverse Climatic Zones	ICRS	Poster	Mrs. Greeshma B. Nair	IIT Bombay	India	
8	IAHS25_ABS_D9283	Exploring Differences in Soil Moisture Selection Maps: A Comparison of Triple Collocation and Mutual Information Methods Across Climates and Land Covers	ICRS	Poster	Mrs. Diksha Gupta	IIT Delhi	India	
9	IAHS25_ABS_R3115	Integrating Multi-Temporal Optical and SAR Data for Large-Scale Flood Monitoring in a Monsoonal River Basin: A Case Study from Northern India	ICRS	Poster	Mr. Shobhit Singh	IIT Kanpur	India	
10	IAHS25_ABS_X3756	Identification of Groundwater Potential Zone in Lower Gangetic plain	ICRS	Poster	Ms. Srijita Ghosh	IIT Madras	India	
11	IAHS25_ABS_W3180	Evaluation of error components in SM2RAIN precipitation products over an Indian coastal state	ICRS	Poster	Dr. Yellamelli Ramji Satyaji	National Institute of	India	
12	IAHS25_ABS_G7193	Hydrogeological Controls on Land Subsidence in the Central Ganga Basin: A Case Study from Lucknow	ICRS	Poster	Mr. Shivprasad Panditrao More	CSIR-North East Institute of	India	
13	IAHS25_ABS_L2341	Assessment of Terrestrial Water Storage Distribution of the Ganges River Basin of India using GRACE, GLDAS, and TRMM	ICRS	Poster	Dr. Anirban Mukhopadhyay	Kazimierz Wielki University	India	
14	IAHS25_ABS_S7726	Groundwater potential zones mapping for Natural Springs: A Geospatial and AHP-Based Study in Manadunga Village, Champawat District, Uttarakhand	ICRS	Poster	Mr. Rohan Singh Bhakuni	PASS Foundation	India	
15	IAHS25_ABS_P5046	Sediment transport modelling in a mining impacted ephemeral Himalayan River	ICRS	Poster	Ms. Moumita	IIT Kanpur	India	
16	IAHS25_ABS_C3592	Evaluating Large-Scale Recycling of Treated Municipal Wastewater to Address Water Scarcity in Karnataka's Arid Regions Using Earth Observation	ICRS	Poster with Video-Interview	Dr. Ashish Kumar	Ashoka Trust for Research in	India	
17	IAHS25_ABS_Q1968	Flood inundation mapping and damage assessment: A comparison between Sentinel-1 derived flood extent and large-scale hydrological model derived extent	ICRS	Poster with Video-Interview	Dr. Gaurav Tripathi	IIT Bombay	India	
18	IAHS25_ABS_L2422	Beyond Visible Rivers: Integration of RCM SAR Imagery and Machine Learning for Streamflow Estimation in Remote and Data Limited Riverine Systems	ICRS	Poster with Video-Interview	Prof. Tirupati Bolisetti	University of Windsor	Canada	
19	IAHS25_ABS_J5797	Permafrost Dynamics in Himachal Pradesh using Integrated PS and SBAS InSAR Approach	ICRS	Poster with Video-Interview	Mr. Ajay Kumar	IIT Bombay	India	
20	IAHS25_ABS_R6168	The Application and Assessment of Satellite based remotely sensed Rainfall Data in the ACRU Hydrological Model: Case study in selected catchments in South Africa	ICRS	Forum Oral with Poster	Ms. Kershani Chetty	University of KwaZulu-Natal	South Africa	
21	IAHS25_ABS_M2037	Burnt Area Mapping and Greenhouse Gases Emissions Monitoring in Agricultural Landscape	ICRS	Forum Oral with Poster	Mr. Ayush Kumar	IIT Roorkee	India	
22	IAHS25_ABS_E5891	A rapid assessment of Water Hyacinth mapping in India	ICRS	Forum Oral with Poster	Mr. Arpan Dawn	National	India	
23	IAHS25_ABS_H2436	Soil Loss Estimation of watershed in eastern Himalayan region of Sikkim	ICRS	Forum Oral with Poster	Mr. Ankit Verma	Acharya	India	
24	IAHS25_ABS_Q3486	Flood Extent Delineation: Combining Unconventional Remote Sensing and Geospatial Technology with HAND Hydrogeomorphic Approach	ICRS	Forum Oral with Poster	Mr. Rajeev Ranjan	IIT Delhi	India	

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25	IAHS25_ABS_G4872	Mapping and assessing the impacts of crop-weed competition in neglected and underutilized crops	ICRS	Forum Oral with Poster	Dr. Maqsooda Mahomed	University of KwaZulu-Natal	South Africa	
26	IAHS25_ABS_O7943	Performance Assessment of IMERG Precipitation Estimates Using MESONET Data in Mumbai	ICRS	Forum Oral with Poster	Mr. Yashraj Nagraj Upase	IIT Hyderabad	India	
27	IAHS25_ABS_M7277	A Comparative Analysis of Advanced Machine Learning Techniques for Accurate Groundwater Potential Zone Mapping in Haryana, India	ICRS	Forum Oral with Poster	Mr. Shubham Bhagat	Indian Institute of Science	India	
28	IAHS25_ABS_M3814	Machine Learning for Multi-Hazard Susceptibility in Kenya: Integrating Earth Observation and Reported Events	ICRS	Forum Oral with Poster	Ms. Sneha Kour	Birla Institute of Technology	India	
29	IAHS25_ABS_D2349	Insights into the Agricultural Drought Assessment: A Case Study from Odisha Using Google Earth Engine	ICRS	Forum Oral with Poster	Ms. Anuva Chowdhury	Birla Institute of Technology	India	
30	IAHS25_ABS_Q6020	Utility of contextual remote sensing models for mapping evapotranspiration over large areas	ICRS	Forum Oral with Poster	Prof. Eswar Rajasekaran	IIT Bombay	India	Withdrawn
31	IAHS25_ABS_O4714	Water Extent and Water Level Dynamics of a Tropical Large Hydropower Reservoir for Sustainable Water Management	ICRS	Forum Oral with Poster	Ms. Archita Mallick	IIT Roorkee	India	
32	IAHS25_ABS_M6997	Monitoring of wheat crop and its phenology pattern using UAV Multispectral data	ICRS	Forum Oral with Poster	Mr. Adwait	Shiv Nadar	India	
33	IAHS25_ABS_L9020	Machine Learning-Integrated InSAR Analysis for Land Deformation Study in Jodhpur City Using Sentinel-1 SAR and GRACE TWS Data	ICRS	Forum Oral with Poster	Mr. Surender Pal	National Institute of	India	
34	IAHS25_ABS_E8385	Enhancing soil moisture and vegetation optical depth retrievals through improved surface roughness parameterization for the upcoming CIMR satellite mission	ICRS	Forum Oral with Poster	Ms. Debolina Mondal	IIT Bombay	India	
35	IAHS25_ABS_P9325	Estimation of Evapotranspiration Using the S-SEBI Model and Landsat-9 Data over Asan Barrage	ICRS	Forum Oral with Poster and	Ms. Ayushi Bhati	Indian Institute of Remote	India	Withdrawn
36	IAHS25_ABS_M3582	Recent progress and future opportunities in monitoring evapotranspiration from High Resolution Thermal InfraRed Remote Sensing in the context of the TRISHNA LSTM and SBG satellite missions	ICRS	Forum Oral with Poster and Video-Interview	Dr. Gilles Boulet	CESBIO (Toulouse University,	India	
37	IAHS25_ABS_C1713	Unveiling Methane Concentration Patterns over Wastewater Treatment Plants in Indian Cities Using NDCI and Sentinel-5P TROPOMI Data (2019-2024)	ICRS	Forum Oral with Poster and	Mr. Ravi Kant	IIT Roorkee	India	
38	IAHS25_ABS_B6410	Estimating river bathymetry from spaceborne LiDAR data and curve-fitting method	ICRS	Forum Oral with Poster and	Mr. Pankaj Ramji Dhote	Indian Institute of Remote	India	
39	IAHS25_ABS_S1352	Water quality assessment of shallow oxbows in the Jaldhaka Floodplain India	ICWQ	Poster	Mr. Dinabandhu	Presidency	India	
40	IAHS25_ABS_G6270	Analyzing the Correlation Between Total Suspended Solids (TSS) and Turbidity in the Kemena River Basin (2018-2022)	ICWQ	Poster	Ms. Yusra Shabir	Universiti Putra Malaysia	Malaysia	
41	IAHS25_ABS_L8332	A Chaotic Dynamic Approach for Prediction of Dissolved Oxygen	ICWQ	Poster	Ms. Sakshi	IIT Bombay	India	
42	IAHS25_ABS_S8441	Increasing wastewater pressure on rivers in New Moscow area	ICWQ	Poster	Ms. Uliana	M. V.	Russia	Withdrawn
43	IAHS25_ABS_H5798	Controlling the Atrayee by Impoundment Structures in Bangladesh and India	ICHWF	Poster	Dr. Chalanika	Rani Birla Girls'	India	via video
44	IAHS25_ABS_T1963	Accessing and controlling irrigation water quality: A smart bioremediation approach	ICWQ	Poster	Mr. Ashish Madhukar	ICAR - Indian Institute of	India	
45	IAHS25_ABS_J3615	Assessing the Impact of Water Quality Parameters on Food Security in the Vietnamese Mekong Delta	ICWQ	Poster	Ms. Sreejita Banerjee	Asian Institute of Technology	Thailand	
46	IAHS25_ABS_H5015	Interconnected Carbon Systems: Dissolved Organic and Inorganic Carbon in River and Groundwater of a Delta	ICWQ	Poster with Video-Interview	Prof. Elango Lakshmanan	IIT Madras	India	
47	IAHS25_ABS_C2873	Understanding the roles of climate change land use and land cover change and water diversion project in modulating water- and carbon-use efficiency in Han River Basin	ICWQ	Forum Oral with Poster	Prof. Dedi Liu	Wuhan Univiersity	China	
48	IAHS25_ABS_F9890	Identifying and overcoming limitations of open-source surface water quality datasets of India	ICWQ	Forum Oral with Poster	Dr. Bihu Suchetana	IIT Roorkee	India	Mr Rajat Sharma

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1	IAHS25_ABS_M3940	Atmospheric Moisture Budget and Its variability over the Indian Subcontinent	ICRS	Poster	Mr. Ranjan	IIT Kharagpur	India	
49	IAHS25_ABS_N7605	Comprehensive Water Management: Quality Monitoring Fate Assessment and Nano-enabled Remediation for Sustainable Solutions	ICWQ	Forum Oral with Poster	Prof. Nitin Khandelwal	IIT Roorkee	India	
50	IAHS25_ABS_E2314	Anthropogenic changes of heatwave-extreme precipitation events have emerged from the natural climate variability	ICWQ	Forum Oral with Poster	Prof. Jie Chen	Wuhan University	China	
51	IAHS25_ABS_W6469	Emerging organic compounds in surface and groundwater reflect the urban dynamics in sub-Saharan cities	ICWQ	Forum Oral with Poster	Mr. Boris Djieugoue	University of Douala	Cameroon	
52	IAHS25_ABS_D8089	Post Monsoon Water Quality Assessment of Water Sources of Bhopal City Using Artificial Intelligence and Machine Learning Tools: A New Insight	ICWQ	Forum Oral with Poster and	Prof. Prashant Pandey	Lakshmi Narain College of	India	
53	IAHS25_ABS_U9413	Hydro-Chemical Characterization of Middle Zarafshan River Basin Using Geospatial Technology	ICWQ	Forum Oral with Poster and	Ms. Shakhnoza Shavkatovna	Samarkand State University	Uzbekistan	
54	IAHS25_ABS_A2552	WISE: a watershed-scale carbon budget calculator	ICWQ	Forum Oral with	Prof. Junzhi Liu	Lanzhou	China	
55	IAHS25_ABS_A9368	Evaluating Water Quality of the Ganga River: Integrating Satellite Data and In-Situ Measurements	ICWQ	Forum Oral with Poster and	Mr. Abhay Masiwal	Indian Institute of Remote	India	
56	IAHS25_ABS_K2994	Fate of organo-arsenic compounds in the environment	ICWQ	Forum Oral with	Mr. Spandan	IIT Roorkee	India	
57	IAHS25_ABS_A5687	Arsenic Contamination and its Health Ramification in a village of Buxar District Bihar	ICWQ	Forum Oral with Poster and	Mr. Asrarul Haque Jeelani	Jamia Millia Islamia	India	
58	IAHS25_ABS_E8203	A Novel High-Resolution Flood Hazard Model for India: Integrating Reanalysis Data with Hydrodynamic Simulations	CANDHY	Poster	Mr. Hrishikesh Singh	IIT Roorkee	India	
59	IAHS25_ABS_A8802	Integrating knowledge systems in flood-risk modelling for sustainable solid waste management and flood resilience in urban informal settlements in KwaZulu-Natal, South Africa	CANDHY	Poster	Dr. Katelyn Johnson	Stellenbosch University	South Africa	
60	IAHS25_ABS_R3169	Distributed databases for data sovereignty in hydrological citizen sciences	CANDHY	Poster with	Mr. Julien Jean	IRD	France	
61	IAHS25_ABS_B9679	Optimal siting of multipurpose artificial reservoirs with a participatory multi-criteria decision making	CANDHY	Poster with Video-Interview	Prof. Fabio Castelli	University of Florence	Italy	Withdrawn
62	IAHS25_ABS_O2241	Impact of agro-industrial expansion on heavy metal contamination in water resources of a poorly gauged basin	ICWQ	Poster	Mr. Prabhat Dwivedi	IIT Roorkee	India	
63	IAHS25_ABS_H5871	Identifying potential sources of debris flow: Relooking flash floods from a novel perspective	CANDHY	Forum Oral with Poster	Dr. Arkaprabha Sarkar	National Institute of	India	
64	IAHS25_ABS_C9367	Experiences of citizen science and co-creation in soil hydrology and health within the activities of the Italian chapter of the LOESS project	CANDHY	Forum Oral with Poster and	Dr. Marco Peli	University of Brescia	Italy	Prof. Giovanna Grossi
65	IAHS25_ABS_R7669	Adsorption and Release Behaviour of Herbicide 2 4-Dichlorophenoxyacetic Acid by High Surface Area Polymeric Adsorbent	ICWQ	Poster	Ms. Tanya Gupta	IIT Roorkee	India	
66	IAHS25_ABS_T1544	Spatial prediction of groundwater spring potential mapping using hybrid ML and DL techniques and metaheuristic optimization in the Himalayan region	ICRS	Poster	Mr. Praveen Kumar	IIT Roorkee	India	
67	IAHS25_ABS_G1983	Fields on fire: remote sensing and data-driven modelling reveal impacts of crop residue burning on soil nutrients	ICRS	Poster	Ms. Jayantifull Hoojon	IIT Roorkee	India	
68	IAHS25_ABS_R2371	Long term river discharge simulation by an integrated hydrologic model in Kyusyu Island Japan	HELPING theme 2	Poster	Dr. Kazuaki Yorozu	Disaster Prevention	Japan	
69	IAHS25_ABS_Y7324	Carrying Capacity: Concept and Estimation for Basin Scale	2	Video-Interview	Gudale	Organization	India	
70	IAHS25_ABS_Y2274	Global River Basin Classification Framework Based on Water Security Metrics	2	Poster	Sreeshna	IIT Delhi	India	
71	IAHS25_ABS_D8697	Leveraging Web GIS for a Systematic Review on Applications of InVEST Models in Ecosystem Services and Water Security Management	HELPING theme 2	Forum Oral with Poster	Ms. Prathibha Prakash	IIT Roorkee	India	
72	IAHS25_ABS_P1339	HyPeak: A science-policy network to promote sustainable hydropeaking	2	Poster	Chiogna	Alexander-	Germany	
73	IAHS25_ABS_S6353	Optimization of Crop Patterns at a Regional Scale Using Metaheuristics Algorithms	HELPING theme 2	Forum Oral with Poster	Ms. Ankita Kumari	IIT (ISM) Dhanbad	India	

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74	IAHS25_ABS_F6381	Detecting changes in the onset of monsoons in Sri Lanka	2	Poster and	Gunasekara	Kotelawala	Sri Lanka	
75	IAHS25_ABS_P5650	Informing the trenches: Rainfall simulation experiments in Himalayas to Hydrologically inform Water Conservation Structure designs	HELPING theme 2	Forum Oral with Poster and	Dr. Ashvath Singh Kunadi	Aalto University	Finland	
76	IAHS25_ABS_N6820	Linking Hydrological data uncertainty and equitable procedures in water reallocation planning in South Africa	UPH	Poster with Video-Interview	Mr. Sinetemba Xoxo	Rhodes University	South Africa	
77	IAHS25_ABS_Y9410	Quantifying Uncertainty from Different Sources in Hydrological Modeling for the Himalayan Alaknanda River Basin	UPH	Poster	Mr. Chander Kant	IIT Roorkee	India	
78	IAHS25_ABS_V4800	A Machine Learning-Enabled Socio-Economic Vulnerability Assessment Integrated with the Synxflow Flood Modeling Framework	UPH	Poster	Mrs. Jagriti Jain	IIT Roorkee	India	
79	IAHS25_ABS_D5763	Climate Change Effects on the Kimani Catchment: Implications for the Usangu Wetland	UPH	Forum Oral with Poster	Dr. Augustina Clara Alexander	University of Dar Es Salaam	Tanzania	
80	IAHS25_ABS_M9540	Impact of reservoir storage on upstream-downstream drought propagation in a semi-arid catchment in India	UPH	Forum Oral with Poster	Mr. ajay Gupta	IIT Roorkee & University of	India	
81	IAHS25_ABS_R1001	Harnessing Kalman Filter to Reduce Uncertainties in Evapotranspiration and Achieve Water Budget Closure at Global Scale	UPH	Forum Oral with Poster	Mr. Shubham Goswami	IISc Bangalore	India	
82	IAHS25_ABS_W1324	Nonlinear Covariate-based Framework for Non-stationary Flood Frequency Analysis in the Context of Climate Change	UPH	Forum Oral with Poster	Prof. Vinnarasi Rajendran	IIT Roorkee	India	
83	IAHS25_ABS_I8848	Assumption hunting: To what extent are global irrigation models supported by empirical information?	UPH	Forum Oral with Poster	Mr. Seth Nathaniel Linga	University of Birmingham	United Kingdom	Withdrawn
84	IAHS25_ABS_X3660	Network-scale sediment connectivity using the D-CASCADE model in a tropical river basin	UPH	Poster	Mr. Vivek Kumar Bind	IIT Gandhinagar	India	
85	IAHS25_ABS_B9226	Coupling of a Mechanistic Soil Hydrological Model and a Dynamic Vegetation Growth Model	UPH	Forum Oral with Poster	Ms. Sruthi Surendran	IIT Palakkad	India	
86	IAHS25_ABS_T1157	Hydrological compartments in hillslope catchments: A Case Study of Kaddam reservoir catchment	UPH	Forum Oral with Poster	Mr. Vamshi Raj Raj Mala	IIT Hyderabad & Irrigation and	India	
87	IAHS25_ABS_I8237	Building Climate Resilience: An Interdisciplinary Approach to Uncertainty Analysis of Extreme Events in South Africa	UPH	Forum Oral with Poster	Dr. Djanna Koubodana	Climate System Analysis Group	South Africa	
88	IAHS25_ABS_S7763	Hydrological functioning of Oak and Pine forested catchments: Water availability and fluxes	UPH	Forum Oral with Poster and	Mr. Denzil Daniel	IIT Roorkee	India	
89	IAHS25_ABS_W4296	Analysis of clusters of Hydrological Extremes in the Amazon River Basin	UPH	Poster and	Kumar	Institute for	India	
90	IAHS25_ABS_R8950	Thirst and Thrust: A Critical Review of Water-Driven Migration and Urban Dynamics Globally and in the Indian Himalayan Region	UPH	Poster	Ms. Sakshi Goyal	IIT Roorkee	India	
91	IAHS25_ABS_F3932	Modelling Water-Energy-Food Nexus Dynamics for Integrated Resource Management	HELPING theme 2	Poster	Mr. Aditya Narayan Sharma	IIT Bombay	India	
92	IAHS25_ABS_O5716	Evaluation of Remote Sensing-based ET products in a Semi-arid River basin of Rajasthan India	ICRS	Poster with Video-Interview	Ms. Vamika Sharma	National Institute of	India	
93	IAHS25_ABS_L9868	Reconstruction of Satellite Soil Moisture Series using Physical Processes	ICRS	Video-Interview	Dr. Jhila Sinha	IIT Roorkee	India	
94	IAHS25_ABS_X9118	Seasonal drought impact-based forecasting of crop yield in India	2	Video-Interview	Shyrokaya	University	Sweden	
95	IAHS25_ABS_I7473	RESTART'in: Understanding the similarities and differences in flood and drought processes and management at varying spatial and temporal scales in India and the Netherlands	HELPING theme 2	Poster with Video-Interview	Dr. Joao Nunes	Wageningen University and Research	Netherlands	
96	IAHS25_ABS_X5685	Strengthening Desertification Policies through Participatory Approaches and Local Knowledge in Water Management	HELPING theme 2	Poster	Dr. Rodolfo Nobrega	University of Bristol	United Kingdom	

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97	IAHS25_ABS_M2182	Investigating Groundwater Fluxes Across Coastal Boundaries: A Numerical Study of Submarine Groundwater Discharge Under Tidal Forcing and Density-Driven Flow	UPH	Poster with Video-Interview	Ms. Shruti Jain	IIT Delhi	India	
98	IAHS25_ABS_I6479	Evaluation of Infiltration Processes to Reduce Uncertainties in the HEC-HMS Model for Poorly Gauged Watersheds	UPH	Poster	Prof. Marina Batalini De	Federal University of	Brazil	
99	IAHS25_ABS_B3640	Assessing the Impact of Physiochemical parameters on micro-plastic movement through Porous media	ICWQ	Poster	Ms. Anjali Bhagwat	National Institute of	India	
100	IAHS25_ABS_S5641	Isotopic and Geochemical Characterization of Water Contamination in and Around an Abandoned Mine in the Northern Singrauli Coalfield India	ICWQ	Poster with Video-Interview	Mr. Raju Rai	IIT (BHU) Varanasi	India	
101	IAHS25_ABS_V7398	Waste to Worth: Eco-friendly remediation for removal of synthetic dyes pharmaceuticals and toxic metals using carbonaceous absorbents derived from sewage sludge waste	ICWQ	Poster	Ms. Akanksha Foujdar	IIT Roorkee	India	
102	IAHS25_ABS_A9225	HyEco: An Integrated Hydrodynamic-Ecological Model to Quantify Human Health Risks from Contaminated Floodwaters in Climate-Sensitive Urban Megacities	ICWQ	Poster	Mr. Rahul Deopa	IIT Roorkee	India	