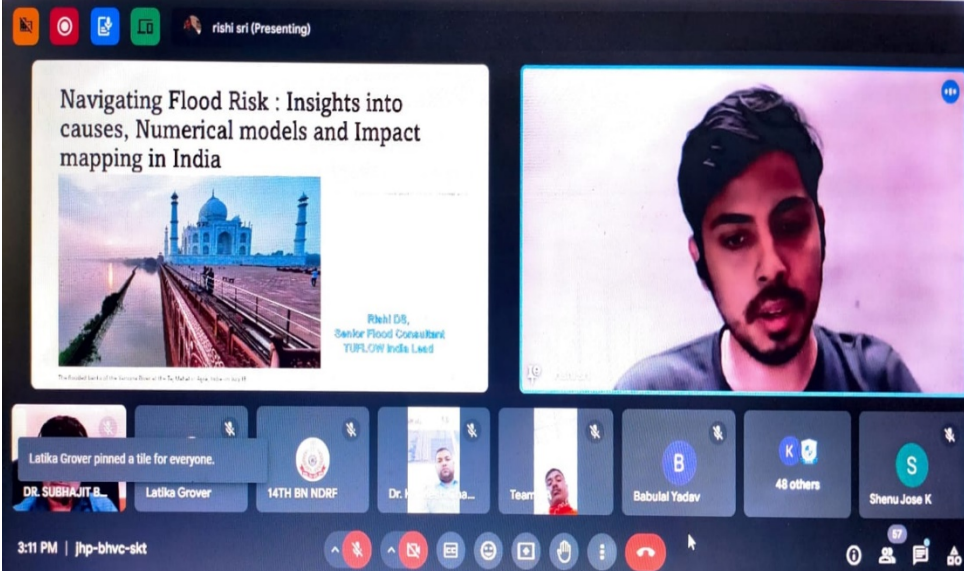




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| Webinar Name | Webinar on Navigating Flood Risks – Insights into Causes, Numerical Models and Impact Mapping |
| Name of attendee | Shenu Jose K, Hydrologist |
| Webinar date | 5 th July 2024, 3:00 – 4:00pm |
| Webinar mode | Google meet |
| Details of the Webinar | <p>The webinar titled "Navigating Flood Risk: Causes, Models, and Impact Modelling" provided a comprehensive overview of flood risk analysis and management. The session was led by Mr. Rishi DS, a Senior Flood Consultant, TUFLOW India Lead who focused on key elements crucial to understanding and mitigating flood risks.</p> <p>Mr. Rishi began the session by defining floods and categorizing the different types of floods. He also elaborated on the causes of floods, noting that heavy sediment loads from river catchments, inadequate carrying capacity of rivers, drainage congestion, and riverbank erosion are major contributors. He also mentioned that cyclones and cloud bursts can lead to flash floods, further exacerbating the situation. To address these issues, the webinar covered various flood mitigation measures.</p> <p>A significant portion of the webinar was dedicated to flood modeling, with Mr. Rishi explaining the use of one-dimensional (1D), two-dimensional (2D), and three-dimensional (3D) models using TUFLOW. The webinar also included several case studies demonstrating TUFLOW's applications in India. These included predicting inflows to a dam based on rainfall runoff during a storm event at the Kadem Dam catchment in Telangana, modeling flood inundation of Surat city during the 2006 Tapi River flood event, and predicting net sediment rates from the channel at Hugly estuary in West Bengal.</p> <p>In conclusion, the webinar provided valuable insights into the complexities of flood risk management, emphasizing the importance of advanced modeling tools like TUFLOW in predicting and mitigating flood impacts.</p> |

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| Resource person | Mr. Rishi DS, Senior Flood Consultant, TUFLOW India Lead |
| Name of Organizer | Center for Disaster Risk Reduction, School of Internal Security and SMART Policing, Rashtriya Raksha University, Ministry of Home Affairs |
| Photos |  <p>The screenshot shows a Zoom meeting interface. At the top, there are icons for chat, video, audio, and a user profile for 'rishi sri (Presenting)'. The main content area is split into two parts: on the left, a presentation slide with the title 'Navigating Flood Risk : Insights into causes, Numerical models and Impact mapping in India' and an image of the Taj Mahal; on the right, a video feed of a man with a beard and dark hair, identified as 'Rishi DS, Senior Flood Consultant, TUFLOW India Lead'. Below the main content, there is a grid of participant thumbnails, including 'DR. SUBHAJIT B.', 'Latika Grover', '14TH BN NDRF', 'Dr. ...', 'Team ...', 'Babulal Yadav', '46 others', and 'Shenu Jose K'. At the bottom, the meeting controls are visible, showing the time '3:11 PM' and the meeting ID 'jhp-bhvc-skt'.</p> |