

C-DAC's HIMASHIELD 2024 grand challenge concludes on national science day at Thiruvananthapuram, showcasing India's climate mitigation efforts

Bannari Amman Institute of Technology, Tamil Nadu, Wins Top Prize; BITS Mesra & Wadia Institute, Dehradun, Declared First Runners-Up; IIT Bhubaneswar Secures Second Runners-Up Position.

Glofsense team wins Rs.5 lakh at HIMASHIELD 2024, Cryowizards team and Cryosense team, secure Rs.3 lakh and Rs.2 lakh as runners-up

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The **HIMASHIELD 2024 Grand Challenge**, organized by (Centre for Development of Advanced Computing) **C-DAC Thiruvananthapuram** under Ministry of Electronics and Information Technology **research initiatives**, successfully concluded on **National Science Day** in Thiruvananthapuram. Aimed at fostering innovation in **Glacier Lake Outburst Flood (GLOF) mitigation**, the challenge provided a platform for young researchers and innovators to develop **indigenous, sustainable solutions** to tackle this critical environmental challenge.



This nationwide grand challenge was launched on August 24, 2024 by Shri. S Krishnan IAS, Secretary, MeitY. The initial round of Himashield witnessed the participation of 151 teams. Thirty teams advanced to the next round. A total of seven teams participated in the final round.

The details of the winners are given below:

- **Winner (Rs 5 lakhs, Trophy & Certificates): GlofsenseTeam** consist of Venkatesh R, Naveen Krishnaa S and Nithish T from Bannari Amman Institute of Technology, Sathyamangalam, Tamil Nadu.
- **First Runners up (Rs 3 lakhs, Trophy & Certificates): CryoWizardsTeam** consist of Sourabh Anand(Wadia Institute of Himalayan Geology,Dehradun) and Sunil Mahato, Sudip Banerjee, Nikita Roy Mukherjee(Birla Institute of Technology, Mesra)
- **Second Runners up (Rs 2 lakhs, Trophy & Certificates): CryoSenseTeam** consist of Dr.Ashim Sattar, Dr.Sudipta Saha, Dr.Debajyoti Biswas, Abhinav A, Kattamuri Mohan Krishna, Kartick Cherukuri (IIT Bhubaneswar)



Distinguished Experts and Officials Preside Over Award Ceremony

The award ceremony was presided over by Ms. Sunita Verma, Scientist G & Group Coordinator, R&D, MeitY. Dr. Kalai Selvan A, Director, C-DAC, Thiruvananthapuram, Shri. Arvind Kumar, CCA, MeitY. For awareness creation for the community and to embark **Science-day** technical talks were offered by Dr. D. D. Ray, Former Outstanding Scientist-H, Bhabha Atomic Research Centre; Shri D. G. Shreshta, Secretary, Department of Science & Technology, Government of Sikkim and Dr. Manoj Khare, Scientist-G & Group Head, High-Performance Computing - Earth Science Engineering and Geospatial Applications Group, C-DAC Pune.

About HIMASHIELD 2024 grand challenge

HIMASHIELD 2024 is a grand challenge dedicated to tackling the growing threat of Glacier Lake Outburst Floods (GLOFs) caused by climate change-induced glacier melting. Organized to foster innovation, the challenge provides a platform for researchers, engineers, and innovators to develop cutting-edge solutions for monitoring and managing glacier lakes, designing early warning systems, and implementing effective engineering measures to mitigate flood risks. The goal is to create practical, scalable, and indigenous solutions that can safeguard vulnerable communities, protect critical infrastructure, and enhance disaster resilience. Through this challenge participants are invited to register their teams through the official HIMASHIELD website and submit proposals detailing their innovative systems, capabilities, and societal impact. Entries are evaluated based on innovation, technical feasibility, and real-world applicability. HIMASHIELD 2024 is an opportunity for visionary thinkers to push the boundaries of climate resilience and contribute to a safer, more sustainable future.

Dharmendra Tewari/Navin Sreejith/ Shatrunjay Kumar

