

2nd National HimSchool
on

‘Cryosphere & Climate Change Studies’

(NHC3S-2: 2026 - ‘A National Water Mission sponsored Glaciological Field-Training Programme’)

August 12-23, 2026

CERTIFICATE

HimSchool (2026) Winner Team

This is to certify that **Mr. Deepak Kumar**, Assistant Professor (Shaheed Rai Singh Govt. College Sampla, Haryana) has been conferred the **‘HimSchool Glacier Team Excellence Award’** in recognition of his outstanding contribution as a member of the Mayali Glacier Team during the Glaciological Field-Training Programme conducted at Batal Glacier, Chandra Basin, Lahaul & Spiti, Himachal Pradesh.



Dr. Bhanu Pratap
Technical Expert
NCPOR, GOA



Dr. Akshaya Verma
Co-Coordinator
NIH, Roorkee



Dr. Lavkush K. Patel
Co-Coordinator
NIH, Roorkee



Dr. Kapil Kesarwani
Coordinator
NIH, Roorkee

NATIONAL INSTITUTE OF HYDROLOGY

(Department of Water Resources, River Development and Ganga Rejuvenation)

Ministry of Jal Shakti, Govt. of India)

Jalvigyan Bhawan, Roorkee – 247667 (Uttarakhand), India

(An ISO 9001: 2015 Certified Organization)

CERTIFICATE

This is to certify that

DEEPAK KUMAR

has participated in the program of

2nd National HimSchool

on

“Cryosphere & Climate Change Studies”

(NHC3S-2: 2026)

August 12-23, 2026

Organized by

Centre for Cryosphere & Climate Change Studies (C4S)

Technical Partner

Himalayan Cryosphere Studies Division
National Centre for Polar and Ocean Research
(Ministry of Earth Sciences, Govt. of India)
Headland Sada, Vasco-da-Gama, Goa - 403 804, India

Sponsored by

National Water Mission
(Department of Water Resources, River Development and Ganga
Rejuvenation, Ministry of Jal Shakti, Govt. of India)
New Delhi, Delhi - 110003

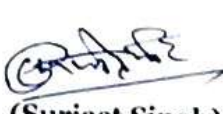


Certificate No. NIH/STC/2026-27/T9/27


(Akshaya Verma)
Scientist 'C'
Course Co-Coordinator


(Lavkush K. Patel)
Scientist 'D'
Course Co-Coordinator


(Kapil Kesarwani)
Scientist 'D'
Course Coordinator


(Surjeet Singh)
Sc. 'G' & Head: C4S
Course Convener


(Y.R.S. Rao)
Director
NIH



NWM Sponsored Field-Training Programme
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जल शक्ति मंत्रालय
MINISTRY OF JAL SHAKTI
DoWR, RD & GR



Sitting (L-R): Madhusudhan Thapliyal, Dr. Kuldeep Sharma, Dr. Lavkush K. Patel, Dr. Akshaya Verma, Dr.A.R. Senthil Kumar, Dr. Surjeet Singh, Dr. Mukesh Sharma, Dr.Bhanu Pratap Dr. Soban Singh Rawat

Row
Abhishek Vilasrao Dhanade, Arushi Sharma, Deepali Gupta, Dhruva Jaiswal, Divya Saini, Dvija Dave, Pooja Sharma, Priyanshu Tiwary, Rajan Kumar, Roopa Maurya
Rupendra Prakash Singh, Tanya Negi, Yogesh Karikatti, Abhay Kumar Singh, Deepanshi Gangwar, Devika Bisht, Hitesh Bhatt, Manas Mohapatra, Prapti Rastogi
Shubhangi Suman, Singh Swati Jaisraj, Swarda Sachin Kadam, Alok Rai, Deepak Kumar, Nunavath Suresh, Queen Suraajini Rajendran, Somnath Roy

FIELD TRAINING REPORT

NHC3S Field Training Programme

Candidate: Deepak Kumar

S.R.S. Government College, Sampla, Rohtak

Training Overview

The field training provided practical exposure to Himalayan cryosphere, glacial and hydrological processes, field instruments, high-altitude observations, and applications of field-based data for climate and water-resource research.

11 August

Travell for field experience towards IIT Rorkee to A.B.V.I.M.A.S Manali

12 August

Contribution: Travel/field orientation towards Manali and onward movement for the high-altitude field programme. Participated in coordination, route planning and preparation for field observations.

13 August

Contribution: Field movement and orientation in the high-altitude Himalayan environment. Contributed to observations of terrain, drainage, weather and cryospheric conditions.

14 August

Contribution: Visited the Batal glacier/field research area and observed streamflow and installed field instrumentation. Participated in field observations and understanding of instrument-based monitoring.

15 August

Contribution: Participated in the Independence Day celebration at the HAMS Research Institute, Batal, along with the training team and institute personnel. Also contributed to the team's activities during the programme.

16 August

Contribution: Participated in field-based learning related to glacier, snow and meltwater processes. Assisted in observations, documentation and discussion of field measurements.

17 August

Contribution: Observed high-altitude hydrological and cryospheric conditions and learned about field monitoring techniques and the relationship between glacier melt and downstream water availability.

18 August

Contribution: Participated in field observations, group discussions and documentation of the Himalayan environment. Contributed to team-based learning activities.

19 August

Contribution: Engaged in practical interpretation of field observations and understanding of climate-cryosphere interactions. Assisted with recording and organizing observations.

20 August

Contribution: Participated in training discussions and practical activities concerning glacial environments, water resources and climate variability.

21 August

Contribution: Reviewed field observations and discussed their relevance to hydrology, cryosphere studies and climate-change research. Contributed to group presentations/discussions.

22–23 August

Contribution: Participated in concluding field-training activities, knowledge sharing and documentation. Worked collaboratively with the training group and consolidated key learning outcomes.

24 August

Contribution: Travelled from Manali towards Roorkee after completion of the field component. Contributed to safe and organized return travel and completion of the training programme.

Team Achievement

My team was awarded **Winner** in the team activity/competition. I was a **Team Leader** of the winning team and contributed to the team's collaborative activities. The winning-team certificate are attached.

Submitted to: Principal, Government College, Sampla, Rohtak

Candidate: Deepak Kumar

Training: NHC3S Field Training Programme



Principal
SRS GOVT. COLLEGE
Sampla (Rohtak)