



शहीद भगत सिंह

(२७ सितम्बर १९०७-२३ मार्च १९३१)

इस प्रतिमा का अनावरण

माननीय श्री माधव राव सिधिया

संसद सदस्य

केकर कमलो द्वारा

दिनांक २५ मार्च १९८४

को सम्पन्न हुआ।

डॉ. नफीस अहमद सिद्दिकी

प्रधानाचार्य

Register by
Scanning QR Code

Last Date:
25 February, 2021



Ministry of Education
Government of India
Under the aegis of
Pandit Madan Mohan Malviya
National Mission on Teachers and Teaching
(PMMMNTT)

Centre for Disaster Management Studies
Shaheed Bhagat Singh College
(NAAC Accredited 'A' Grade)
University of Delhi

Seven Days Online Capacity Building Program
(March 1-7, 2021 from 3 to 6 PM)

on

**Hydro-Meteorological Disaster: Techniques of
Measuring, Monitoring and Management of Floods**

in Collaboration with

Teaching Learning Centre
Ramanujan College
(NAAC Accredited 'A' Grade)
University of Delhi

Concept Note

Flood is among the most common recurring and destructive natural hazards causing extensive damage to infrastructure, environment, economy, devastation to human settlements and loss of life. It has been observed that a large proportion of the world's population reside near river flood plain and hence the occurrence of flood will cause a widespread loss to human lives and biodiversity. Even when the floods recede it takes several months or even more than a year before the community thinks about to reach back to the pre-flood situation. India's unique geo-climatic conditions and high socio-economic vulnerability to calamities are responsible for increased frequency of all natural disasters in our country. According to the National Disaster Management Authority, around 40 million hectares of land in India is exposed to floods. This can be attributed to many reasons including rapid increase in population and urbanization coupled with growing developmental and economic activities in the flood plains and different environmental problems like climate change and global warming. With advancements in the science and technology forecasting, measuring and predicting in case of certain natural disasters has been possible. Socio-economic, meteorological and geo-spatial data is useful for the management and response to disasters. Geospatial technologies have been instrumental in the disaster preparedness, mitigation and management process.

This program is useful to meet the essential requirements for participants seeking promotions under the 7th CPC from AL 10 to AL 11, AL 11 to AL 12 and AL 12 to AL 13.



ABOUT THE HOST ORGANIZATION

Shaheed Bhagat Singh College, one of the leading colleges of University of Delhi, has been imparting higher education for more than 50 years by providing a vibrant and intellectually stimulating academic culture, and promoting independence of thought and vision. Shaheed Bhagat Singh College, named after the great martyr of India, Shaheed-e-Azam, Sardar Bhagat Singh, was established as a co-educational institution in 1967 as a constituent college of University of Delhi. The College takes pride in having accomplished faculties in eight departments including Geography. The college is fully equipped with digital library, computer labs and Geography lab with latest GIS and Remote Sensing equipment's and impressive infrastructure. Over a period of fifty years, the college has distinguished itself in diverse academic and professional fields by providing a vibrant and intellectually stimulating academic culture and promoting independence of thoughts and visions.



ABOUT THE COLLABORATING ORGANIZATION

Ramanujan College, named after one of the greatest Indian mathematicians, Srinivas Ramanujan, is one of the constituent colleges of University of Delhi. The college runs fifteen courses in the disciplines of Humanities, Commerce, Management, Mathematical Sciences, Computer Science and Vocational Studies. It is also the study center for the students of the Non-Collegiate Women's Education Board, University of Delhi and the Indira Gandhi National Open University. Ramanujan College has also been selected by the MHRD as a Teaching Learning Center and National Resource Center. The college has been meticulously blending inter-disciplinary and multi-disciplinary field activities, and co-scholastic programs to rear its students so that they are able to face the challenges with courage and confidence.

ABOUT CENTRE FOR DISASTER MANAGEMENT STUDIES

The Centre for Disaster Management Studies (CDMS) has been established recently in 2018. The Centre aspires to work as Centre of excellence in disaster management research, training and creating awareness for disaster preparedness, risk reduction and mitigation. The CDMS regularly organize events which include lectures, short-term courses, training and workshops for students, staff and other participants. It also takes up research projects and publications to address various aspects of disaster management. The Centre organizes events in collaboration with institutions and organizations working in the domain of disaster management.

WHO SHOULD ATTEND?

It is an interdisciplinary program and open to all disciplines.

- Research Scholars
- Faculty members
- Professionals and Practitioners

GUIDELINES FOR PARTICIPANTS

- The duration of the program is seven days from March 1 to 7, 2021.
- The time duration will be 3 pm to 6 pm plus one hour of practice session each day.
- Sessions will be held on online platform.
- The participants should have a laptop/desktop with good internet connectivity.
- The software used will include trial versions and open source.
- Hands-on practical sessions will be part of the Training.
- For successful completion certificate 90% attendance is required.
- Attempting and submitting all quizzes and other assessments are mandatory to get the successful completion certificate.
- Registration fee is non-refundable.

Course Schedule

Date	Theme	Resource Person
01.03.2021	Day 1, Monday	
3:00 pm onwards	Inaugural	
3:30 - 4:45 pm	Disaster Risk Reduction and Sendai Framework	Prof. R. B. Singh, University of Delhi
4:45 - 6:00 pm	Keynote Address - Debris flow and impact on infrastructure in Uttarakhand	Prof. Chandan Ghosh NIDM
6:00 - 7:00 pm	Practice and quiz	
02.03.2021	Day 2, Tuesday	
3:00 - 4:00 pm	Design Flood Estimation using Deterministic Methods	Prof . N. K. Goel IIT Roorkee
4:15 - 5:15 pm	Design Flood Estimation using Deterministic Methods Hands on Training	
5:30 - 6:30pm	Design Flood Estimation using Statistical Approach	
6:30 -7:30 pm	Practice and quiz	
03.03.2021	Day 3, Wednesday	
3:00 - 4:00 pm	Design Flood Estimation using Statistical Approach Hands on Training	Prof . N. K. Goel IIT Roorkee
4:15 - 5:15 pm	Flood Forecasting and Development of Real Time Inflow Forecasting System for Tehri dam	
5:15 - 6:30 pm	Data Types and Open Data Sources for Flood Disaster	Prof. D.S. Arya, IIT Roorkee
6:30 - 7:30 pm	Practice and quiz	

04.03.2021	Day 4, Thursday	
3:00 - 4:00 pm	Flood Hazard Mapping using Space Technology	Sh. C.M. Bhatt IIRS, Dehradun
4:15 - 5:00 pm	Demonstration on Accessing Bhuvan Portal for Flood Hazard Information	
5:15 - 6:45 pm	Demonstration on Application of Google Earth Engine(GEE) for Mapping Flood Hazard	
6:45 -7:45 pm	Practice and quiz	
05.03.2021	Day 5, Friday	
3:00 - 4:30 pm	Glacial Lake Dynamics and Potential Threats	Dr. Ajanta Goswami IIT, Roorkee
4:45 - 6:15 pm	HEC-RAS Flood Modeling, Hands on Training	
6:15 - 7:15 pm	Practice and quiz	
06.03.2021	Day 6, Saturday	
3:00 - 4:30 pm	HEC-RAS Flood Modeling, Hands on Training	Dr. Ajanta Goswami IIT, Roorkee
4:45 - 6:15 pm	HEC- RAS Flood Modeling, Hands on Training	
6:15 - 7:15 pm	Practice and quiz	
07.03.2021	Day 7, Sunday	
2:30 - 4:00 pm	Flood Vulnerability Analysis and Ecological Restoration	Dr. Ajoy Das, Gujarat University, Ahemdabad
4:00 pm onwards	Valedictory	
4:30 - 6:00 pm	Keynote Address on Urban Flood Modeling and Challenges	Prof. D.S. Arya, IIT Roorkee
6:10 - 7:10 pm	Practice and quiz	

REGISTRATION AND PAYMENT PROCESS

REGISTRATION AMOUNT: RS. 600/-

Step 1: The payment of registration amount via (NEFT / UPI / IMPS) to the mentioned account. The participants are advised to keep the transaction details for further reference.

Bank: ICICI Bank

Branch: Kalkaji Branch, New Delhi-19

A/C Name: Principal Ramanujan College

A/C no: 072001003912

IFSC:ICIC0000720

Step 2: Fill the registration form on the given link. Upload the receipt or screenshot of the registration amount payment as asked in the registration form. After successful payment and registration, the participants will receive the confirmation mail.

- Link to register for the program: <http://bit.ly/cdmscapacitybuildingprogram>
- Register latest by **February 25, 2021** (Seats are limited as many sessions are hands on. So it will be **first cum first serve basis**.)
- Dates of the Program : **March 1 to 7 , 2021**

For further queries you may write to us at: cdms@sbs.du.ac.in

ORGANIZING BOARD

Patrons

Dr. ANIL SARDANA
Principal
Shaheed Bhagat Singh College

Dr. S.P. AGGARWAL
Principal
Ramanujan College

Program Coordinators

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Dr. VIBHASH KUMAR
Assistant Director
TLC, Ramanujan College

Dr. KAVITA ARORA
Member, CDMS Advisory

Dr. V.A.V RAMAN
Coordinator, IQAC (SBSC)

Co-Coordiators

Dr. SWATI RAJPUT
Dr. SURAJ MAL

Dr. VISHWA RAJ SHARMA
Dr. AMRITA BAJAJ

Organizing Committee

Dr. Renu Gupta, Department of Mathematics

Ms. Mita Hussain, Department of History

Dr. Kedar Prasad Meena, Department of Hindi

Ms. Garima Yadav, Department of English

Dr. Shikha Gupta, Department of Commerce

Dr. Krishna Murari, Department of Political Science

Dr. Rajani Kapoor, Department of Economics

Dr. Janki Jiwan, Department of Geography

Dr. Neha Arora, Department of Geography

Dr. Chandrakanta, Department of Geography

Dr. Rashmi Rani Anand, Department of Geography

Dr. Ram Lal, Department of Geography

Mr. Santosh Kumar, Department of Geography

Dr. Vijay Pandey, Department of Geography

Mr. Ganesh Yadav, Department of Geography

Dr. Satyam Mishra, Department of Geography

Organizing Team (Students)

Shashank Goacher, BA (H) Economics

Ayush Negi, BA (H) Economics

Dakshesh Sharma, B.Com (H)

Kanika Chaudhary, B.Com (H)

Suraj Kumar, BA (H) Geography

Ananya Sharma, BA (H) Geography

Himanshi Garg, B.Com (P)

Govind Goel, BA (H) Mathematics

Laiba Tahir, BA (H) Economics

Gautam Dhingra, B.Com (H)

Yash Raj, BA (H) Geography

Shreeyon Das, BA (H) History

Aastha Sharma, B.Com (H)

Layeba Chauhan, BA (H) Economics,

Krishan Kant, BA (H) Geography

Muskan Sodhani, B.Com (H)

Sibasish Sen, BA (H) History

Aryan Aditya, BA (H) Geography

Akanksha Jiya, BA (H) Geography