

Curriculum Vitae
Of
Sayeed Ahmed
Choudhury



Name of Personnel: Sayeed Ahmed Choudhury
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 Cell No: +8801711-322647
 Nationality: Bangladeshi
 Language Proficiency: English & Bengali (Reading, Writing, Speaking), Japanese (Speaking) and Arabic (Reading)
 Birthday: 1965/04/22

Education/Qualifications:

Sl. No.	Name of the Educational Institute	Date Attended	Name of the Degrees/Qualification
01	Sylhet Government Pilot High School, Sylhet, Bangladesh.	1973-1982	Secondary School Certificate
02	Sylhet Government College, Sylhet, Bangladesh.	1983-1984	Higher Secondary Certificate
03	Department of Physics, University of Chittagong, Bangladesh.	1985-1987	Bachelor of Science (Hons), Physics
04	Department of Physics, University of Chittagong, Bangladesh.	1987-1988	Master of Science in Physics (Atmospheric)
05	National Graduate Institute for Policy Studies (GRIPS), Japan.	2007-2008	Master of Disaster Management
06	International Institute of Seismology and Earthquake Engineering (IISEE), & Building Research Institute, Japan.	2008	Post Graduate Diploma in Seismology

Professional Certifications:

Sl. No.	Name of the Professional Institute	Date Attended	Name of the Certificate
01	Pilot Balloon Observatory, Dhaka, Bangladesh Meteorological Dept.	1996	Weather Observation Systems (Surface, Pilot Balloon and Rauiin Sounding Observations).
02	Storm Warming Center, Dhaka	1996	Weather Chart Analysis and Forecasting.
03	Training Institute, BMD, Dhaka.	1997-1998	Class II Forecaster's Course, Batch.No.9

04	Japan Meteorological Agency (JMA), Organized by the Japan International Cooperation Agency (JICA), Japan.	2002	The Group Training Course in Meteorology – II (Overall Operational Meteorological Activities of JMA: * Cloud analysis by Satellite Image, * Utilization of P.C. in meteorological Service * Utilization of Met. Satellite data).
05	Training Institute, BMD.	2004	Operation, maintenance of Solrad Handheld Data Logger and Radiation Data Collection System.

06	Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA) Organized by the WMO, Manila, Philippines.	2006	Storm Surge and Wave Forecasting.
07	Leica Geosystem Trade (Beijing) Co. Ltd Organized by Training Institute, Bangladesh Meteorological Dept.	2006	GPS Reference Station System.
08	Beijing Gangzhen Mechanical and Electronic Technology Co. Lid, Beijing, China.	2006- 2007	Installation, Operation and daily maintenance of Seismic Instruments and Data analysis.
09	German Indonesian Tsunami Early Warning System, Organized by the BMKG & GFZ, Jakarta, Indonesia.	2010	Tsunami Early Warning in the Indian Ocean.
10	Strengthening of BMD Early Warning Capacity, Organized by CDMP II, Dhaka, Bangladesh.	2012	Skill Development for Meteorological Personnel.
11	Japan Meteorological Agency (JMA), Organized by the WMO, Tokyo, Japan.	2014	Effective Tropical Cyclone Warning in Southeast Asia Workshop.
12	Organized by Center for Space Science and Technology Education for Asia & Pacific (CSSTEAP-UN), Indian Institute of Remote Sensing, Dehradun, India.	2016	Short Course on Weather Forecasting using Numerical Weather Predication (NWP) Models.
13	Organized by the National Oceanic and Atmospheric Administration (NOAA) –US Agency for International Development (USAID), World Meteorological Organization (WMO), Indian Institute of Tropical Meteorology (IITM), Pune, India.	2017	9 th International Training Workshop Climate Variability & Predications. (Long Range Forecast)
14	Organization by BMD, Bangladesh.	2017	Weather Data quality control and management.
15	Institutional Support and Capacity building for mitigation of weather and climate hazards in Bangladesh Organized by Norwegian Meteorological Institute.	2018	Advanced Training in Weather Forecasting.

16	Organized by The National School of Meteorology at Météo-France in Toulouse, France.	2018	Climatology Science, from the sensor to the climate change.
17	Organized by Khulna University of Engineering & Technology (KUET).	2019	International Seminar on Present Status of Climate Science and Marine Meteorology.
18	Local Training Organized by Strengthening Meteorological Information Services and Early Warning Systems Project (Component-A), Dhaka, Bangladesh.	2019	Financial Management, Project Management & Advanced ICT Training Program.
19	Organized by Strengthening Meteorological Information Services and Early Warning Systems Project (Component-A), BMD Local Training, Dhaka, Bangladesh.	2020	Agrometeorology & Weather Radar Training Program.

20	Centre for Space Science and Technology Education in Asia and the Pacific (CSSTEAP), Dehradun, India.	2021	Space Technology for Disaster Management.
21	Organization by All Weather, Inc., California, United States of America.	2021	AWOS/ATIS Operation & Maintenance.
22	Support of the GEO-KOMPSAT-2A Receiving and Analysis System in Bangladesh.	2021	Real-time Online Training Course on capacity building for the GK-2A satellite data receiving and analysis system for Forecasting and Warning of Natural Disaster in Bangladesh.
23	BMD Local Training Organized by Strengthening Meteorological Information Services and Early Warning Systems Project (Component-A), Dhaka, Bangladesh.	2023	Database Management & Security, Data Archiving & Retrieval Management System and Management Training Program.
24	Organization by Indian Institute of Technology Guwahati, Technology Innovation Hub, National Meteorology & Hydrology Services, Delhi, India.	2023	Changing Precipitation Flood Precipitation Coupled Cycle in North East Region.
25	Organization by UNICEF, Dhaka, Bangladesh.	2023	Consultation Workshop on the development of a Communication Framework on Adolescent and Youth led Climate Action.

Employment Record/Experience:

Position: Assistant Meteorologist, Forecast Division.

Organization: Bangladesh Meteorological Department, Head Quarter, Dhaka, Bangladesh.

Year: 1996 (5 Months) **Responsibilities:**

Performed weather observations using various systems, including surface observations, pilot balloon observations, and radiosonde (rawin sounding) observations.

Participated in on-the-job training to enhance skills in weather observation and forecasting techniques.

Engaged in weather analysis and provided essential data for weather-related decision-making.

Conducted aviation weather forecasts, ensuring accurate weather predictions for safe air travel.

Position: Assistant Meteorologist & Officer in Charge, DMO.

Organization: Bangladesh Meteorological Department, Sylhet, Bangladesh.

Years: 1996-1999 (33 Months)

Responsibilities:

Managed daily meteorological operations, ensuring the reliability of weather data and forecasts.

Oversaw the performance and maintenance of meteorological instruments and systems.

Led the Aero Dram Meteorological Office (AMO) at M.A.G. Osmani International Airport, Sylhet.

Provided accurate and timely aviation forecasts, supporting the safe operation of flights at the airport.

Position: Assistant Meteorologist, Climate Division

Organization: Bangladesh Meteorological Department, Head Quarter, Dhaka, Bangladesh.

Year: 1999 (5 Months) **Responsibilities:**

Conducted quality control and management of weather data to ensure accuracy and reliability.

Analyzed climate change patterns and contributed to climate forecasting efforts.

Engaged in research and analysis to understand the impacts of climate change on weather patterns.

Supported the development of strategies and forecasts related to climate change.

Position: Assistant Meteorologist and Officer in Charge, DMO

Organization: Bangladesh Meteorological Department (BMD), Sylhet, Bangladesh

Years: 1999-2005 (63 Months) **Responsibilities:**

Served as Officer in Charge of the Dependent Meteorological Office (DMO) in Sylhet.

Provided daily weather forecasts, ensuring accurate predictions for the region.

Delivered aviation forecasts for M.A.G. Osmani International Airport, supporting safe flight operations.

Participated as a member of Agricultural Technical Committees for the Sylhet and Cumilla regions, contributing weather-related insights to agricultural planning and decision-making.

Position: Meteorologist, DMO & Focal Person of Various Research Teams

Organization: Bangladesh Meteorological Department (BMD), Sylhet, Bangladesh

Years: 2005-2023 (238 Months)

Responsibilities:

Daily weather forecasts for all levels serve.

Analyzed the impact of heavy monsoon rains and the interplay between the mountainous terrain and weather patterns.

Focused on the region's meteorological challenges, particularly its vulnerability to flash floods caused by heavy monsoon rains and complex mountainous terrain.

Contributed to disaster preparedness and mitigation efforts by improving weather monitoring and understanding of local meteorological conditions.

Led site selection and establishment of ten Automatic Raingauges and two Automatic Weather Stations in the Sylhet Division, in collaboration with the Disaster Prevention Research Institute, Kyoto University, Japan.

Directed the establishment of a new Seismic Station at Sylhet and a Meteorological Radar System at Moulvibazar, contributing to advanced weather and seismic monitoring in the region.

Event: Regional Workshop on Training Modules for Tsunami Exercises Policy Support, 2015.

Location: Jakarta, Indonesia

Organizer: Intergovernmental Oceanographic Commission, UNESCO.

Role: Representative of the Bangladesh Government.

Details:

Represented the Bangladesh Government at a regional workshop focused on developing training modules for tsunami exercises and policy support.

Engaged in collaborative efforts to enhance regional preparedness and response strategies for tsunami events.

Link to: <https://goosocean.org/event/1680>

Event: Strengthening Meteorological Information Services and Early Warning Systems (Component-A) 2017-2024.

Location: Dhaka, Bangladesh.

Project: Bangladesh Weather and Climate Services Regional Project.

Role: Worked under the Project as a Project Implementation Unit (PIU) member and as an expert in Aviation Meteorology under SWC.

Details:

This initiative aims to enhance the accuracy and effectiveness of meteorological information and early warning systems in Bangladesh. Focuses on modernizing the infrastructure and capabilities of the Bangladesh Meteorological Department, improving weather forecasting, and expanding early warning systems to better serve communities vulnerable to climate-related hazards. The project includes the installation of advanced meteorological equipment, capacity building for BMD personnel, and the development of user-friendly communication systems to ensure timely dissemination of warnings. By strengthening these services, the project seeks to mitigate the impact of extreme weather events, protect lives, and support sustainable development in Bangladesh. This note captures the essence of the project's goals and its importance in enhancing climate resilience in Bangladesh.

The training focused on Financial Management, Project Management, and Advanced ICT Training Program, 2019.

Completed Agrometeorology & Weather Radar Training Program, 2020.

Completed Database Management & Security Data Archiving & Retrieval Management System and Management Training Program, 2023.

Event: Third Pole Science Summit - TPE-CSTP-HTK Joint Conference, 2017.

Location: China

Role: Representative of the Bangladesh Government

Details:

Represented the Bangladesh Government at the Third Pole Science Summit, a significant international conference focused on climate science and environmental issues in the Third Pole region.

Participated in discussions and collaborations on scientific research related to climate change, environmental sustainability, and regional cooperation.

Event: Expert dialogue on scaling up regional cooperation in multi-hazard early warning systems in Asia-Pacific with a focus on flood and drought, 2019.

Location: Bangkok, Thailand

Organizer: Organized by United Nations Economic and Social Commission for Asia and the Pacific.

Role: Representative of the Bangladesh Government

Details:

This emphasizes our involvement in a significant international event, showcasing our expertise in early warning systems and regional cooperation on critical environmental issues.

Link Up: <https://www.unescap.org/sites/default/files/Summary%20Report.pdf>

Event: Steering Committee meeting of the South Asia Flash Flood Guidance System (SAsiaFFGS), 2022.

Location: Delhi, India

Organizer: Organized by the World Meteorological Organization (WMO), 2023

Role: Steering Committee Member **Details:**

Participated in the Steering Committee meeting of the South Asia Flash Flood Guidance System (SAsiaFFGS), representing the Bangladesh Government.

This highlights our contribution to a key regional initiative focused on flash flood guidance, demonstrating our role in important meteorological and environmental discussions in South Asia.

Link Up: <https://metnet.imd.gov.in/docs/banner/12052023social%20media%20input.pdf>

Event: Second Regional Workshop of the Component one of CARE for South Asia, 2023.

Location: Bangkok, Thailand

Organizer: Organization by Regional Integrated Multi-Hazard Early Warning System (RIMES).

Role: Representative of the Bangladesh Government

Details:

This workshop focused on enhancing regional collaboration and capacity building in multihazard early warning systems across South Asia. The discussions centered around improving the resilience of communities to climate-related hazards by integrating advanced meteorological tools and techniques. The workshop also aimed to strengthen the capacity of national meteorological and hydrological services, enhancing their ability to deliver timely and accurate warnings to mitigate the impact of disasters in the region. Highlights the significance of our participation in advancing regional cooperation on early warning systems and disaster preparedness.

Position: Head of the Climate Division (Meteorologist)

Organization: Bangladesh Meteorological Department (BMD), Head Quarter, Dhaka, Bangladesh.

Years: 2023-2024 (14 Months)

Responsibilities:

Managed the archiving and retrieval of meteorological (surface and upper air), seismological, and astronomical data.

Implemented online data sales and revenue collection, providing faster and more efficient service for data access for various purposes, including development projects, thesis research, journal publications, and report writing.

Ensured the quality control and management of all meteorological data.

Played a key role in supporting the comprehensive response to climate change by providing essential scientific data, analysis, forecasts, and early warnings.

Contributed to informed decision-making and proactive adaptation measures at national, regional, and global levels through accurate and timely data provision.

Position: Visiting Researcher

Organization: Kagawa University, Kagawa, Japan.

Years: 2024 - Till Today

Engaged in Professional Associations and Publication's:

- Asia Oceania Geoscience Society (AOGS)
- Intergovernmental Oceanographic Commission (IOC)
- Journal of the Meteorological Society
- Journal of the Agroforestry and Environment.
- European Geosciences Union (EGU)
- ResearchGate
- Alumni of the Japan International Cooperation Agency (JICA)
- Alumni of the National Graduate Institute for Policy Studies (GRIPS)
- Alumni of the International Institute of Seismology and Earthquake Engineering (IISEE)
- Alumni of the Centre for Space Science and Technology Education in Asia and the Pacific (CSSTEAP)

Publications:

1. **Sayeed Ahmed Choudhury**, "Moment Tensor and Hypocentre determination using Wave form data from New Bangladesh Seismic Network" Publish on Bulletin of IISEE 43, 7-12, 2009 in Japan.
2. Fumie Murata, **Sayeed Ahmed Choudhury** and others: "Daytime Thermodynamic and Airflow Structures Over Northeast Bangladesh during the pre-monsoon: A Case Study on 25 April 2010" Publish by Journal of the Meteorological Society of Japan Vol.89A pp.167175, 2010.

3. **Sayeed Ahmed Choudhury** and others: “Seasonal variations of temperature and rainfall Characteristics in the north-eastern part of Bangladesh around Sylhet” Publish by Journal of the Agrofor. Environ, Vol.6 No.2, pp.81-88, 2012.
4. Toru Terao, **Sayeed Ahmed Choudhury** and others: “Impacts of Rapid-To-Cold ENSO Transitions on Summer Monsoon Rainfall over the North-eastern Indian Subcontinent” Publish by Journal of the Meteorological Society of Japan Vol. 91. No. 1 pp. 1-21, 2013.
5. **Sayeed Ahmed Choudhury** “Improvement of Tropical cyclone Forecasting in Bangladesh Meteorological Department” Presented at Japan Meteorological Agency, Japan, 2014.
6. **Sayeed Ahmed Choudhury** and others: “Diurnal and seasonal variations of rainfall, squall, and hail characteristics in north-eastern Bangladesh” Publish by Journal of the Atmosphere Vol. 5. No. 1 pp. 27 – 35, 2015.
7. Toru Terao, **Sayeed Ahmed Choudhury** and others: “Direct Validation of TRMM/PR Near Surface Rain over the Northeastern Indian Subcontinent Using a Tipping Bucket Raingauge Network” Publish by SOLA, Vol. 13, pp. 157 – 162, 2017.
8. Nasir Ahmed, **Sayeed Ahmed Choudhury** and others: “Isotopic Investigation of Atmospheric Precipitation in the Coastal Area, Central Part and Northeastern of Bangladesh” Presented at International Conference on Contemporary Research and Applications of Meteorology Organization by Dhaka University And Bangladesh Meteorological Department, 07 December 2019.
9. Nasir Ahmed, **Sayeed Ahmed Choudhury** and others: “Atmospheric factors controlling stable isotope variations in modern precipitation of the tropical region of Bangladesh” Publish by Isotopes in Environmental and Health Studies Volume 56, 2020 – Issue 3.
10. Fumie Murata, **Sayeed Ahmed Choudhury** and others: “Validation of satellite-borne precipitation radars by raingauges and disdrometers over the northeastern Indian subcontinent” Presented at Geosciences Union vEGU21, the 23rd General Assembly.
11. Fumie Murata, **Sayeed Ahmed Choudhury** and others: “Characteristics of rainfall and atmospheric condition during the heavy rainfall event on 14-16 June 2022 in the southern Meghalaya Plateau” Presented at International Conference on Climate Change 2022, ICC-005 Organization by Dhaka University.
12. Fumie Murata, **Sayeed Ahmed Choudhury** and others: “Validation of Spaceborne Precipitation Radar Data by Rain Gauges and Disdrometers over the Complex Topography of the Northeastern Indian Subcontinent” Publish by Journal of the Meteorological Society of Japan, 2024.
13. Nayma Baten, **Sayeed Ahmed Choudhury** and others: “Analysis of Decadal Variability of Thunderstorm’s Intensity over Bangladesh for the Period from 1993 to 2022” Publish by Journal of The Atmosphere Vol. 10. pp. 105 – 113, 2024.

References:

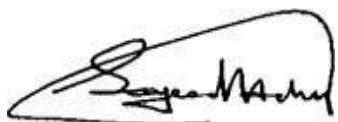
Director

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I, Undersigned certify that to the best of my knowledge and belief, these data correctly describe my qualifications, my experiences and other relevant information about myself.



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