



KAMARAJ IAS ACADEMY
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IMD & Nagaland Higher Education Dept Sign MoU to Boost Weather Research

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The Department of Higher Education, Government of Nagaland signed a 20-year Memorandum of Understanding (MoU) with the India Meteorological Department (IMD) to strengthen weather forecasting, atmospheric research, and agrometeorological services in Nagaland.

Key provisions of the MoU:

Installation of an X-Band Polarimetric Doppler Weather Radar (DWR) at Dimapur Government College under the Government of India's Mission Mausam scheme to provide real-time data and improve forecasting accuracy.

Focus on academic engagement, research collaboration, capacity building, training, and knowledge exchange in meteorology and atmospheric sciences.

The 20-year MoU will support collaborations on urban meteorology, disaster preparedness, agricultural advisories, and unique weather hazards of the region.

Expected impact:

Enhanced weather forecasting capabilities tailored to Nagaland's hilly terrain.

Improved disaster risk reduction and agricultural planning through accurate and location-specific weather forecasts.

Greater research opportunities for students and faculty of higher educational institutions in meteorology.

About IMD

Kamaraj IAS Academy

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The India Meteorological Department (IMD) functions under the Ministry of Earth Sciences (MoES) and is India's primary agency for weather forecasting, climate monitoring, and meteorological research. It operates a network of meteorological observatories, radars, upper air stations, satellites, and data dissemination systems.

X-Band Polarimetric Doppler Weather Radar (DWR)

Purpose: It provides high-resolution data on wind patterns, rainfall intensity, storm structure, and severe weather systems.

Usefulness: Essential for short-range forecasting, early warning for extreme events, and improved monsoon monitoring.

Mission Mausam Scheme

Launched as an initiative to strengthen India's weather services, Mission Mausam supports installation of meteorological infrastructure, integration of weather data, and promotion of climate research in underserved regions.

Agrometeorological Services

These services provide weather and climate advisories to farmers, helping them make decisions on crop sowing, irrigation, pest management, and harvesting.

In hilly regions like Nagaland, agro-met advisories are crucial for rain-fed agriculture and risk mitigation.

Urban Meteorology Research

Focus on understanding weather patterns in urban areas to manage heat waves, air quality issues, and localized storms.