

Forecasting Precision: The Role of Graph Neural Networks and Dynamic GNNs in Weather Prediction

Yukti Varshney^{1*}, Vinod Kumar², Dharmendra Kumar Dubey³, Shreyance Sharma⁴

¹Assistant Professor, Department of Computer Science Engineering, Moradabad Institute of Technology, Moradabad, Uttar Pradesh, India

²Principal, Constituent Government College, Hasanpur, Amroha, Uttar Pradesh, India

³Principal, Shree Dhanvantary College of Engineering and Technology, Surat, Gujarat, India

⁴Assistant Professor, Department of Civil Engineering, Bhagwant University, Ajmer, Rajasthan, India

Corresponding Author: yuktivarshney16@gmail.com

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Abstract

Weather forecasting is essential for addressing global climate change concerns, relying on the analysis of multivariate data from diverse meteorological sensors. These sensors include ground-based, radiosonde, and satellite-mounted sensors, providing a comprehensive understanding of atmospheric conditions. To analyze this data effectively, a weather forecasting model based on