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(71)**Name of Applicant :**
1)NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY
 Address of Applicant :19, Knowledge Park-II, Institutional Area, Greater Noida – 201306, Uttar Pradesh, India. -----

Name of Applicant : NA
Address of Applicant : NA

(72)**Name of Inventor :**
1)MANEESH KUMAR
 Address of Applicant :Department of Computer Science & Engineering, Noida Institute of Engineering & Technology, Greater Noida. Greater Noida -----

(57) Abstract :
 The present invention provides a smart antenna switching algorithm comprising a Reception Module (102), Transmission Module (104), Antenna Switching Algorithm (106), and Antenna Control Unit (108). This system dynamically selects optimal antennas for 5G connectivity using real-time signal strength, user movement prediction, and congestion analysis. The invention enhances data throughput, reduces latency, and ensures reliable communication with minimal power consumption, supporting seamless operation under mobility and interference conditions without service disruption.

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