Robot for the Treatment of Communicable Diseased Patients using AI & ML

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Abstract: *In recent years there has been significant research in the development of medical assistance autonomous robots these robots have the potential to revolutionize healthcare by improving efficiency reducing workload and improving patient outcomes one common theme in this research has been the desire for medical professionals to control their assistant robots remotely through the internet many advanced healthcare technologies have been developed such as smart healthcare systems digital thermometers non-contact infrared thermometers pulse oximeters heartbeat monitoring devices and iot devices for heart problem detection in addition temperature humidity measurement systems have been developed to monitor environmental conditions in healthcare facilities our work focuses on utilizing robotics to provide unique prescription medication care in the digital healthcare sector we have explored various methods of controlling these robots including pathfinding autonomous movement and obstacle avoidance additionally some research has focused on user end manual control through android apps however the development and implementation of medical assistant robots also raise important ethical legal and social implications patient privacy and data security must be protected and there must be regulations in place to ensure the safe and responsible use of these technologies.*

Keywords: Digital Thermometers, Data security, Iot Devices.

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