TASK- 05

INFERENCE MAPPING

Maintaenance of industrial robots

Predictive Maintenance for industrial robots

Sensor Monitoring: The model continuously tracks data like motor temperature, joint movement, and vibrations to identify abnormal conditions.

Wear Detection: It predicts wear and tear on critical parts like gears and joints, enabling proactive maintenance.

Component Lifespan: It estimates the remaining useful life of parts based on operational data, helping schedule replacements..

Maintenance Optimization: The system recommends maintenance at optimal times, reducing unnecessary downtime.

Failure Prediction: Alerts are triggered when anomalies such as overheating or excessive vibration are detected, preventing robot malfunctions.