

Assessment of the master thesis by Deepak Koranga

“IoT based Condition Monitoring System”

The goal of this thesis was to develop a system for condition monitoring of machines within the Internet of Things framework. The realized chain consists of sensor nodes equipped with accelerometers and sending the locally processed data via WiFi to MQTT broker connected to the Internet and pushing the data to IoT storage.

Deepak worked independently and consulted often. He was able to gain some unofficial information from the Texas Instruments user community. A complete system composed of the TI MSP430 based end nodes and Raspberry Pi based MQTT broker has been developed within the thesis representing a solid engineering work and it will serve as an experimental platform for edge computing based machine condition monitoring.

The structure of the thesis is satisfactory; some parts of the text are short and very brief. The IoT cloud-based analytics was demonstrated in very simplified form.

Deepak Koranga fulfilled the main goals set in the assignment and presented a solid engineering work. Therefore I recommend grade the thesis by the **B - very good** grade.

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