Towards a maturity modeling approach for the implementation of industrial internet

This Research-in-Progress paper facilitates the design and provides guidelines for the development of a maturity model to achieve a coordinated, systematic and stepwise adoption of industrial internet, thus enabling the industrial internet to be used to its full potential in manufacturing enterprises. Using analogous maturity models from the fields of supply chain management and product lifecycle maturity among others, this paper explains why a maturity model approach would facilitate the step-by-step implementation of industrial internet. The paper goes on to provide systematic design guidelines for industrial internet maturity model for mass production manufacturing industries which use heavy equipment. The detailed research design presented here uses ADR methodology to enable the construction of the ensemble artefact. The industrial internet maturity model will be tested, developed and validated using the experience-based feedback from industrial practitioners. This will enable the industry to plan a roadmap to assess the current situation and define the direction for the future development of industrial internet related activities and business models for industry.
The goal of this paper is to provide an overview of the methods used in assessing a group work product as well as the individual effort of the group participants. To accomplish the goal we use some practical examples, literature review, and our own personal experience. Finally, we propose an alternative assessment method for lecturers to use within their classes.