Date : 23 – 02 – 2018

Experiment : 3

**Title: Software Development Model**

**Objective:** To identify the suitable software development model for the given scenario.

**Background:**

“ABC” is a new enterprise recently started by a few young entrepreneurs, intended to develop robotic systems using IT based solutions. “TENZ” is a well-established automobile manufacturing plant, Interested in automating some of the operations of the plant. As first step towards automation , TENZ has decided to deploy a robotic arm to pick and place large number of bolts from one tray of a conveyer belt to another tray of a different conveyer belt. Moving one bolt at a time. TENZ has asked ABC for demonstration the robotic arm for the said purpose as a proof of concept. This is the first project being executed by ABC. TENZ would like to have a first experience of the robotic arm before signing the MOU (Memorandum of Understanding) with ABC. After MOU sign-off, TENZ would provide the complete set of requirement of the robot.

**Problem Description:**

Identify the most appropriate SDLC model for this scenario.

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| --- | --- | --- | --- |
| Model To-be Applied | Spiral model | | |
| Model Description |  | This Spiral model is a combination of iterative development process |  |
| model and the waterfall model​ .identification​ of system requirements, subsystem requirements and unit requirements are all done in this phase. |
| Justification |  | In this model understanding the system requirements by continuous |  |
| communication between the customer and the system analyst. |

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**Estimated Time 3**0​ Minutes

**Submission Date** 24 – 02 – 2018

**Signature**

# JNTUK NO.16341A0597