**Mini Project Synopsis**

**On**

**“Virtual Personal Assistant Using Speech Recognition”**

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*Under the guidance of*

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**Aim of the Project**

To Develop an application named "Lexi" which provides voice-based recognition for the physically disabled community.

**Problem Definition**

* The Idea is to build an Application, that works with Human voice based recognition which directly helps physically disabled community.
* In recent years there has been many invention with several hardware devices to help physically disabled community.
* Computer based systems has provided enormous support to differently abled personalities among which some of them are SIRI. Alexa, Etc.

# Hardware and software requirements:

**Hardware:**

* RAM
* Microphone

**Software:**

* Windows OS
* Internet
* Python interpreter’
* Integrated development Environment

Software Life Cycle Model

We will use the “**Iterative Waterfall Mode**l” for the development of **“Lexi-The Voice Assistant”.**

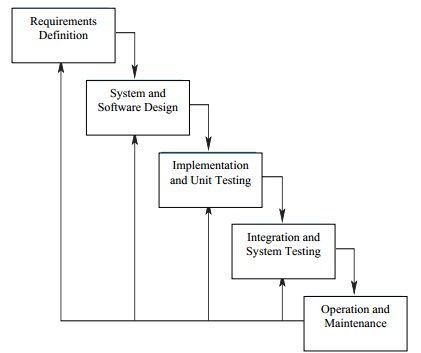


Figure: Iterative Waterfall Model

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**Feasibility Study**

**Requirement Analysis**

**Design**

**Coding**

**Testing & Integration**

**Project Report**