**ABSTRACT**

**Title of the Project: AI BASED VIRTUAL ASSISSTANT**

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Artificial Intelligence has emerged as the new computing technology and is converging into a powerful technology that can efficiently work on each computing platform. This article envisions a Virtual Assistant as a new dimension in such a technology to further optimize the overall computing experience for users. Virtual Assistant are software agents that interact with user in a conversation. The main goal of its creation is to resemble a human being in the way they perform said interaction trying to make the user think he/she is writing to another human being. Other important features of Virtual Assistant is to answer any question of human being or displaying weather forecast or setting reminder and many more. Machine Learningis an application of artificial intelligence(AI) that provides systems the ability to automatically learn and improve from experience without being explicitly programmed. Python is an interpreted high-level language utilized for all important logics written for Virtual Assistant. Naturally this Virtual Assistant can be extended in daily life for several purposes.

Keywords: Artificial Intelligence, Virtual Assistant, RiveScript, Python.