LITERATURE SURVEY

- **Cloud Computing Based Learning Web Application Through Amazon Web Services:** Deploying E-learning web application. E-Learning is a latest reformer in the education sector. This Project E-learning application has a real-time model which can be implemented by colleges or corporates so that their employees or students can have a smart way of learning virtually.
- **E-Learning using Cloud Computing:** This paper presents the benefits of using cloud computing for e-learning. There are many educational institutions that cannot afford such investments, and cloud computing is the best solution. Anyone can access various application platforms and resources through the web pages on-demand. It will help us review the current status and probable considerations to adopt the cloud technology
- **An E-learning System Architecture based on Cloud Computing:** This paper introduces the characteristics of the current E-Learning and then analyses the concept of cloud computing and describes the architecture of cloud computing platform by combining the features of E-Learning.
- **Cloud-Based E-Learning:** A Proposed Model and Benefits by Using E-Learning Based on Cloud Computing for Educational Institution: This paper discuss the current state and challenges in e-learning and then explained the basic concept and previous proposed architectures of cloud computing.
- **Chatbot for E-Learning:** A Case of Study: This paper presents the realization of a prototype of a Chatbot in educational domain. It has been developed a system to provide support to students on some courses.

- **Building Chatbot Using Amazon Lex and Integrating with A Chat Application:** The lambda function runs a script that collects input in the form of plain text or by using voice recognition using the microphone connected to it, which is sent to the Amazon Lex to be processed using various services provided by Amazon Web Services. Then the chatbot sends back a suitable response to the user through the speaker connected to the device or in the form of plain text