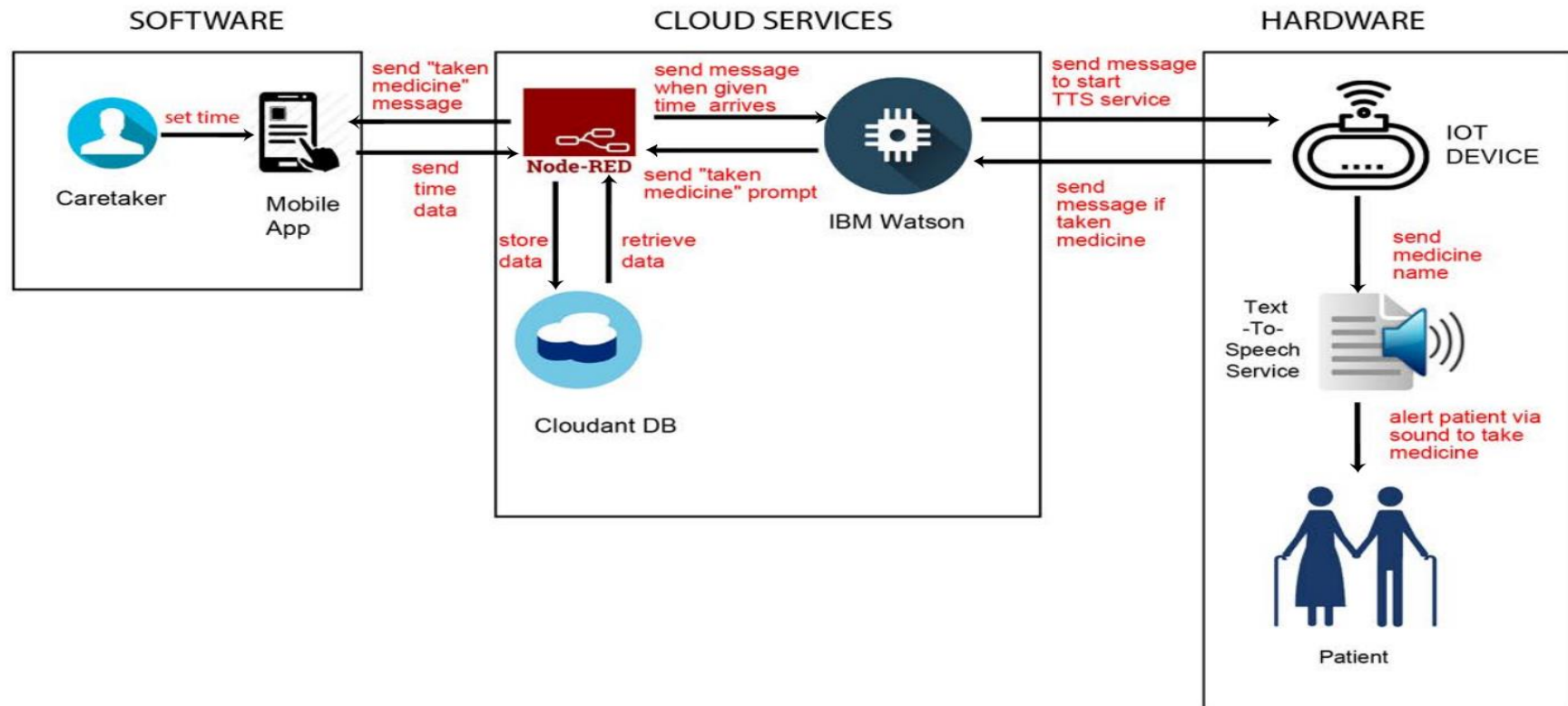


## Project Design Phase-II Technology Stack (Architecture & Stack)

Date	22 October 2022
Team ID	PNT2022TMID27863
Project Name	MediAssist
Maximum Marks	4 Marks

### Technical Architecture:



**Table-1 : Components & Technologies:**

S.No	Component	Description	Technology
1.	User Interface	Mobile App	MIT App inventor
2.	Application Logic-1	Get the User credentials and store in database	MIT App inventor
3.	Application Logic-2	Get Medicine details from the user	MIT App inventor
4.	Application Logic-3	Output the medicine name by voice	IBM Watson Text to speech
5.	Database	JSON Format	MySQL
6.	Cloud Database	Database Service on Cloud	IBM Cloudant DB
7.	File Storage	Storage of User credentials	IBM Block Storage
10.	Machine Learning Model	Convert text to voice	Text to speech Model

**Table-2: Application Characteristics:**

S.No	Characteristics	Description	Technology
1.	Security Implementations	Authentication mechanism using username and password	Encryptions, IAM Controls, OWASP
2.	Scalable Architecture	Should be scalable by microservices	Python
3.	Availability	Should be available 24/7	Distributed servers
4.	Performance	Should alert users at specified time without any delay	IBM Cloud