



**SMART INDIA
HACKATHON
2019**

Technology Bucket : **Inconsistency Detection in Medical Annotation**

Category: **Software**

Company Name: **ezDI**

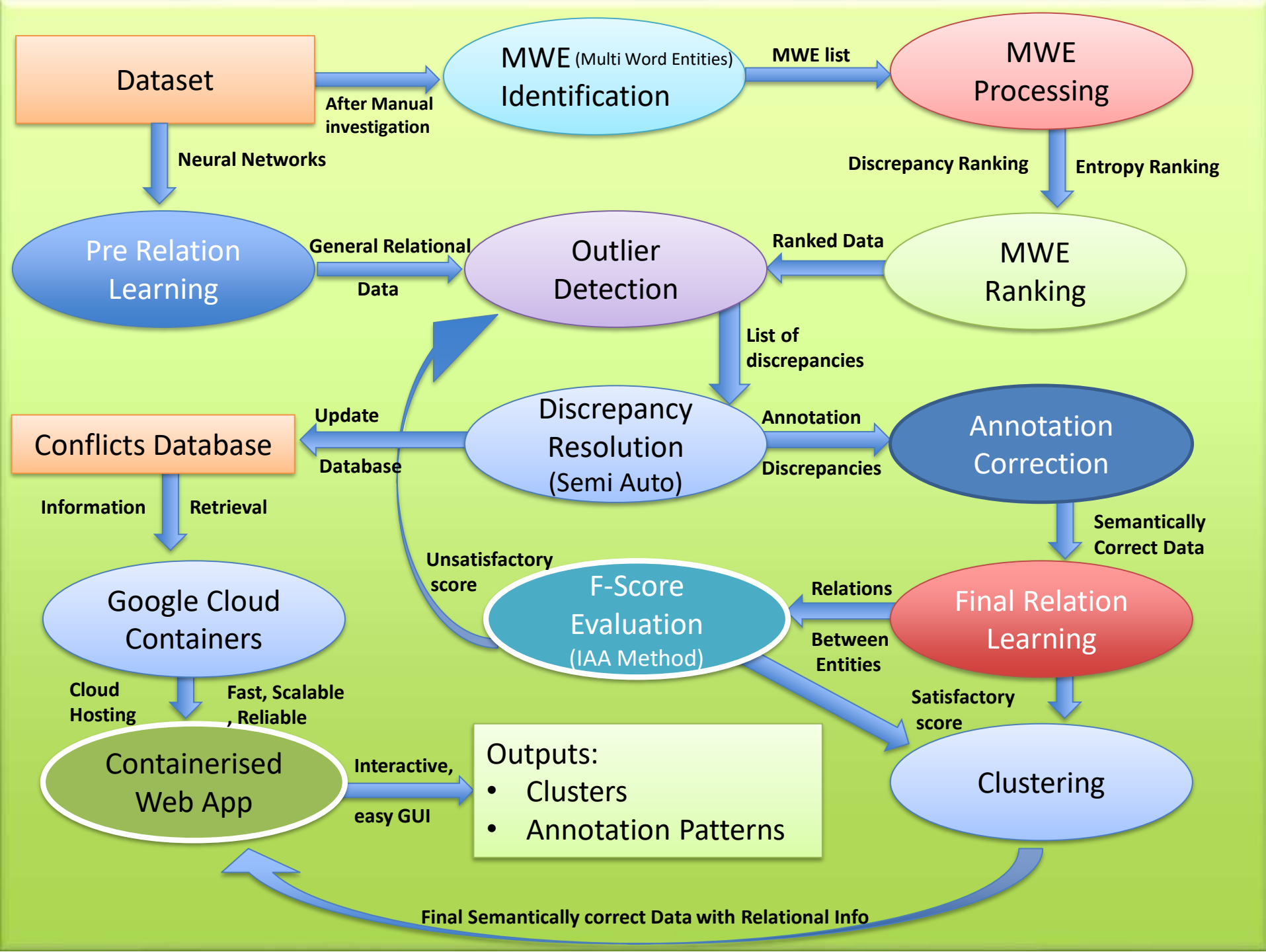
Problem Code : **RG1**

Team Leader Name : **Amrit Preet Singh**

College Code : **1-3514263743**

Solution in brief:

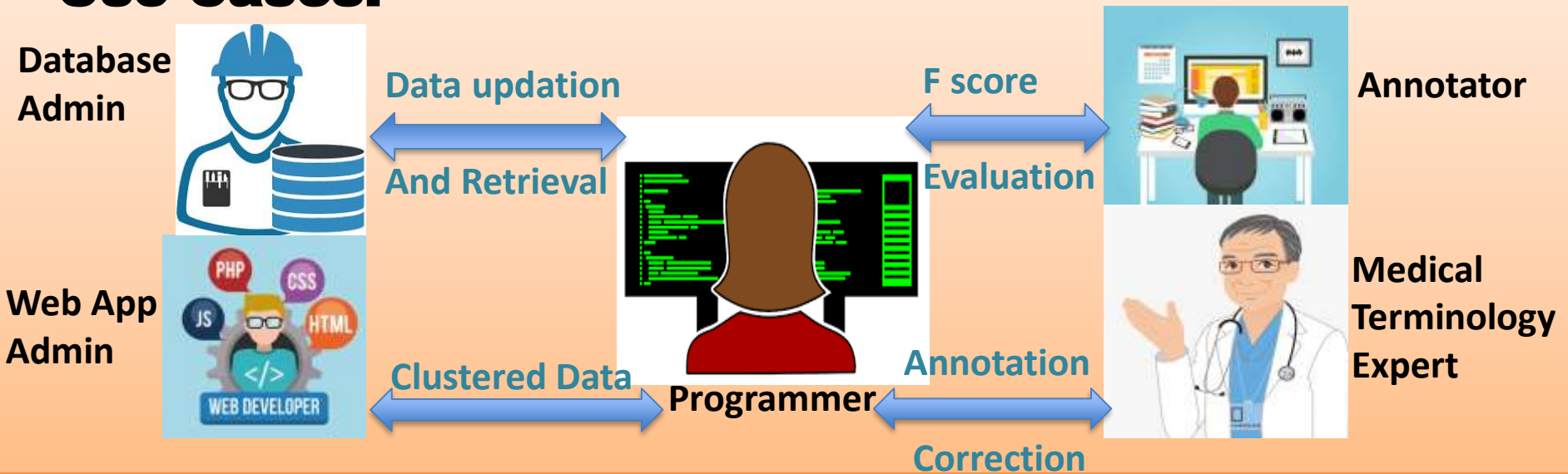
We propose a dynamic system for clustering the similar entities and to associate the annotation patterns which will be updated in a database maintained using MySQL which will be fed to a web application hosted on Google Cloud which will display the result in a fast, scalable and reliable manner. The detailed architecture of the system is shown below.



Technology Stack:

- [Tensorflow](#), [Keras](#), Neural Networks, Tensorboard (for visualisation).
- Machine Learning Algorithms for Clustering data points.
- Python 3.6, Java, HTML, CSS, Javascript.
- [Google Cloud](#).
- MySQL

Use Cases:



Dependencies:

1. Dataset which ezDI will provide.
2. Atleast 6 GB GPUs for training of our model(we'll arrange it if not provided).

Future Work: We propose to use this web app to build a Tensorflow Lite app which will automate the process of annotating new rtf data and automatically perform clustering and relationship mappings