**Idea/Approach Details**

**Ministry Category:** Central Ministry (DIPP) **College Code:** 1-3669181121

**Problem Statement:** Platform for startups to avail mentor-ship support

**Team Leader Name:** Ayush Sahu

**Idea:** To create a web-app that provides a platform to connect a mentee with the right Professional Mentor from various Central Government Departments based on their field of expertise where the match is concluded from factors based on request posted by the mentee resulting in a suggestion of a list of possible mentors with the help of Machine learning. The platform empowers mentors with tools like messaging, resource sharing making the process effortless for them.

**Description:**

The web-app (Startup Guidance) basically consists of two login portals one for mentee and the other for mentor.

**Mentee portal**

The mentee has to be registered under Startup India and must use the same email-id to login for the Startup Guidance web-app on verification he is welcomed to our web-app where he has to opt for the designated ministry fill up a form which is composed of fields to define his query also an option to upload related documents with which he has queries would be provided. On successfully filling up the query form the user can submit it where we use machine learning to do the match suggesting the mentee a list of possible mentors related to the query raised. The match is made through machine learning where the algorithm fetches all the data and based on the data set of mentors and form provided by the mentee, it recommends most appropriate mentors to the respective mentee. After this the mentee can select desired mentor from the list of mentors displayed. Once the mentee selects a mentor, notification is sent to the mentor. Now mentee can have a conversation with the mentor through the messaging platform embedded within the web-app, the mentor will respond first with a review on the submitted form. They can further communicate with each other through the messaging platform where the mentee can get help regarding application process, Government schemes, get relevant stakeholders, market research data, etc. Once the issue is resolved the mentee can end the conversation and submit a feedback, which will be further used to provide better recommendations with the help of ML algorithm.

**Mentor Portal**

The Government officials can use the mentor portal to login. Initially they have to register, where they need to configure their email id and password along with submission of a document that verifies them as an employee of the central government and specifies their department. The document will be then forwarded to the respected ministry for further verification. Once all the credentials are verified the official can login to the web-app with the e-mail id and password. He will then be redirected to a page where he needs to create his profile, providing details like name, field of expertise, experience in the particular field, etc. Once done he would be added in the existing database used by the web-app to match him with the upcoming mentee applications. The mentor would be then greeted by a dashboard where he can see the people he is monitoring, the conversations with the mentee, notifications and a resource section where he will be provided with the guidelines, and application process, etc. used in his ministry which makes it effortless for him to store with the mentees in case of reference, also he can store his own resources that he may use multiple times to share with different mentees. Thus the dashboard makes it easy for the mentor to keep track of all his conversations along with providing tools like storing resources, like the sample of some of the forms to be filled in the prescribed format.

**Dependencies**

* We need to verify whether the e-mail address provided by the mentee registered under the startup India database, for which we need to have access over the login credentials database of the startup India. Here we will use a dummy database for the login credential verification.
* We also need the dataset of investors to provide the mentee, with the help of mentor, the appropriate mentor. For this we are using a dataset obtained from **“Kaggle.com”.**

**Show – Stopper**

* We need a dataset of Government officials who are appointed as mentors by the respective ministry for the mentorship. At least we need to know what are the parameters according to which government appoint these mentors, to create our dummy dataset. This is important because we will further use this data set for our ML algorithm.