**MORALITY CERTIFY AGAINST ARBITER AUDITOR USING BLOCKCHAIN**

**MODULE DESCRIPTION:**

1. Candidate

2. Unique key Generation

3. Auditor

4. Administrator

**CANDIDATE**

Once Candidate visit home page, candidate must provide required credentials like Username, Email id, password, PAN id in registration form. Candidate can log-in after the registration process. Now candidate can enter into their module by giving the required credentials. Candidate can see Auditor module that does auditing service for them, here candidate can upload the data to auditor, data like SSLC, HSC, UG, PG details, DOB, PAN id, Email id. Before that candidate must request a key from key generation center, who is responsible for key generation and authentication. Once, key generation center generates key to candidate, now candidate gets the credibility to upload their details to Auditor. Now Auditor can approve or reject candidate request after verifying candidate details. Candidate can retrieve their data utilizing auditor details.

**KEY GENERATION**

Key generation center play an important role in handling candidates key requests. Once candidate login in the website after providing the required credentials, they request key to Key generation center. Candidate key request is viewed by Key generation center and decides to give unique key. Once, candidates receive the unique key now they can upload their details to the auditor eventually to block chain technology. Yet Auditor has to review the candidate details and back ground verification before approving the candidate details.

**AUDITOR**

Once the Key generation center review and approve candidate request for unique key. Now candidate has the ability to upload the details to auditor. Auditor entity is the responsible for authentication of candidate details. When candidate upload their details auditor receive and review it initially. After auditor does some background verification to make sure it is candidate details like Name, Email id and PAN id. Now Auditor has the authority to decide whether candidate details can be stored into block chain powered database. Auditor can retrieve the data present in database which in block chain format so that, each time candidate background verification can be done to make sure the authenticity. Then the candidate can receive their required data which is stored in a secured format.

**ADMINISTRATOR**

Administrator module plays an important role of monitoring and maintains this website. In this particular website Candidate and Auditor module interact most of the time. Above these two models are maintained and authenticated by our Admin module. Admin view the candidates who registered into their platform and makes sure whether the right candidate is registered with right authentication. Then Admin makes sure auditor’s verification process is enabled by them in a right way. And admin maintains the overall website including candidate, key generation center and Auditor.