

**Department of Computer Science and Engineering**

A Mini Project

On

*“*PUBLIC ENGAGEMENT PLATFORM”

**Submitted by**

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**ABSTRACT:**

**Public Engagement platform**  is a citizen engagement platform and is our endeavour to promote the active participation of Indian citizens in their country's governance and development. It is also aimed at creating a common platform for citizens (say for a specific constituency) to crowd source governance ideas from citizens also.Using this application user shall be allowed to discuss and to contribute on various government projects and plans. If the people encounter some public issues it also allows users to upload photos of the same and give a brief description about it and thus creating awareness.

***Public Engagement Platform***

**Objectives:**

* The main objective of our application is to connect the citizens to Parliamentarians.
* The main idea is to build a web application which will provide a common platform for the people belonging to a constituency to create awareness about the different public issues.
* Public issues can be acknowledged to the representative.
* Promotes active participation of citizens in governance.
* To address the minute issues of minute constituencies and also to involve the local representatives.

**INTRODUCTION:**

India is the largest democratic country in the world. Democracy is defined as the government of the people, by the people and for the people. And we all know that, isn’t it? So it is not possible for all the citizens to participate in the government and that is why we select our representatives at regular intervals. But today if we look at it is it really happening? Are we able to communicate with the government? Are all our problems reaching the representatives we select? If no what are real problems we are facing?

Not all our problems are reaching the government. Even if they do, the results are null or not satisfactory. And most of the times they are ignored. And the process to file a complaint is quite old and is time consuming.

**TECHNOLOGIES:**

* UI/UX : HTML 5, CSS 3, Bootstrap 3.3.7, JavaScript.
* Server-Side Technologies : Django (a Python framework)
* IDE/Workbench : Sublime Text 3, Atom
* Database : SQLite (RDBMS)
* Server Deployment : WSGI server
* Other Libraries : J Query (JavaScript Library)

**DATABASE DESIGN**

**Table*:* CONSTITUENCY**

|  |  |  |  |
| --- | --- | --- | --- |
| FIELD | TYPE | SIZE | CONSTRAINT |
| *constituency \_id* | INTEGER |  | Primary Key |
| *constituency \_name* | VARCHAR | 20 | Not Null |
| *constituency \_description* | VARCHAR | 300 | Not Null |

**Table*:* USER**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| FIELD | TYPE | SIZE | CONSTRAINT | |
| constituency \_id | INTEGER |  | Foreign key | |
| user \_name | VARCHAR | 50 | Not Null | |
| user \_email | VARCHAR | 50 | Primary Key | |
| user \_password | VARCHAR | 20 | Not Null | |
| user \_mobile | VARCHAR | 10 | Not Null | |
| user \_constituency | VARCHAR | 20 | Not Null | |
| user \_type | VARCHAR | 10 | Not Null |

**Table: NEWS FEED**

|  |  |  |  |
| --- | --- | --- | --- |
| FIELD | TYPE | SIZE | CONSTRAINT |
| feed \_id | INTEGER |  | Primary Key |
| feed \_title | VARCHAR | 50 | Not Null |
| feed \_description | VARCHAR | 300 | Not Null |
| feed \_date | DATE |  | Not Null |
| constituency \_name | VARCHAR | 20 | Not Null |
| constituency \_id | INTEGER |  | Foreign key |

**Table: SECTOR**

|  |  |  |  |
| --- | --- | --- | --- |
| FIELD | TYPE | SIZE | CONSTRAINT |
| sector \_id | INTEGER |  | Not Null |
| sector \_name | VARCHAR | 20 | Primary Key |
| sector \_scope | VARCHAR | 300 | Not Null |

**Table: COMPLAINT**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| FIELD | TYPE | SIZE | CONSTRAINT | |
| complaint \_id | INTEGER |  | Primary Key | |
| complaint \_subject | VARCHAR | 50 | Not Null | |
| complaint \_details | VARCHAR | 300 | Not Null | |
| posted \_by | VARCHAR | 50 | Foreign key | |
| constituency \_id | INTEGER |  | Foreign key | |
| no\_up \_vote | INTEGER |  | Not Null |

|  |  |  |  |
| --- | --- | --- | --- |
| sector \_name | VARCHAR | 20 | Foreign key |
| upvoted \_by | VARCHAR | 50 |  |

**Table: QUERY**

|  |  |  |  |
| --- | --- | --- | --- |
| FIELD | TYPE | SIZE | CONSTRAINT |
| query \_id | INTEGER |  | Primary Key |
| query | VARCHAR | 100 | Not Null |
| user \_email | VARCHAR | 50 | Foreign key |
| date | DATE |  | Not Null |

**Table: ANSWER**

|  |  |  |  |
| --- | --- | --- | --- |
| FIELD | TYPE | SIZE | CONSTRAINT |
| answer \_id | INTEGER |  | Primary Key |
| answer | VARCHAR | 200 | Not Null |
| query \_id | INTEGER |  | Foreign key |
| user \_email | VARCHAR | 50 | Foreign key |
| date | DATE |  | Not Null |

**ADVANTAGES:**

* Provides a citizen engagement platform.
* Ideas to report and solve basic public issues can be invited from the masses.
* Awareness about problems.

**DISADVANTAGES :**

Though our application helps the Public Representatives maintain accountability and take their subject into confidence, our endeavor can only make the issues in their constituency reach the representatives. But we can’t ensure that the issues will be solved for sure.