**RV College of Engineering®, Bengaluru – 59**

**Department of Computer Science and Engineering**

**Database Design Laboratory (18CS53)**

**Synopsis**

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| **TITLE: Story and Poem Publication Search Engine** | | |
| **TEAM** | USN: 1RV18CS099 | Name: NAVYA PRIYA N |
| USN: 1RV18CS107 | Name: NISHCHAL J |

**1.Introduction**

To build a monitoring system that is able to monitor and manage all publications of Short Story and poem and to store them properly in order to maintain their security and a system that helps to keep a constant track of all the Short stories and poems available for reference and reading.

**2.Existing System**

* People often directly use Google as a search engine for finding the stories or poems that are published and most likely get publications of only great poets or authors.
* There are platforms like Poetizer which act as a medium to exchange people’s work on poems and here the already existing poems written by great poets aren’t present.
* However, there is isn’t any platform for both short stories and poems together where every persons’ work can be published and can be tracked easily.

**3.Proposed System**

To build a system that can receive input and generate automatically output in easy

way and short time.

● To build a monitoring system that is able to monitor and manage all Short story and poems publications

● To store properly the publications in order to maintain their security.

● The system helps to keep a constant track of all short stories and poems available for reference and reading.

● To allow the user to search for the desired publication.

● The tracker allows access to authorized users (authors, viewers etc.,) via a login

and password(authentication).

● To keep track of information such as publication date, publisher information and the content in a pdf format to refer quickly and efficiently, and thus there is no need to keep manual track of this information which thereby avoids chances of misplacements.

●To provide a search engine for faster and efficient access of all the publications based on certain key words.

**4.Relational Database Structure**

We will use Relational database for the following:

* Store the Short story and poems publication PDFs.
* Their publication date, time.
* Genre are some of the attributes.
* We also keep track of the number of downloads, reads and searches of the particular story.

**5.NoSQL**

NoSQL database will be used for Authentication of Admin, Author and User. It will be maintained in the FIREBASE database which will use NoSQL for operations. The NoSQL database will also be used for certain operations like updating of the publications etc.

**6.RDBMS AND NoSQL Integration**

We plan to use Android Studio IDE to build an Android app which serves as platform for integrating FIREBASE(NoSQL) as well as the SQL database.

**7.Societal Concern**

Literature is one of the ways to understand and combat the difficult social issues that shape our world. Short Stories and poems play a vital role in expressing these social feelings to a mass audience. When this literature is readily available on platform, it would reach the people more quickly and effectively.