**DCU Specification**

**JIRA Component**

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| --- | --- | --- | --- |
| **Program ID:** | **<Program ID>** | **Program Name:** | **GCTS – Tracking Resource Management** |
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|  |  |  | |

**Document History**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Date** | **Status: <Draft or Final>** | **Author** | **Comment / Changes from Prior Version** |
| V1.0 | 16-04-2019 | 25-04-2019 | Krantishivapriya |  |
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* PURPOSE OF THIS DOCUMENT
* The purpose of the document is to provide a guideline and template material for the engineers, architects, managers who would create, maintain or manage the DCUs.
* **Component Identifier**

*Resource\_Tracking\_Management\_Application*

* **Type**
* *Resource Tracking Management application.*
* **Technology**
* *The technologies used in this component are:*
* Spring Boot for Business Logic implementation.
* MySql for database
* Java
* Angular 7 for view
* **Function**
* *The main function of this component is to track all the resources and managing it properly which will helpful while distributing the resources in an organization. By tracking the resources we can save the time and can estimate the results properly based on time. We can get each individual's record like how much time they spent, how much work has done etc.*
* *This application hold all the requests made by the user like leave request, extension of date for training etc.*
* **Constituents**
* *The modules called by the component are:*
* *Import: To import users details given by user after registration in database.*
* *Export: To Export database data into different dashboard according to their requirements. And also export the requests made by user i.e., leave request, course extension request or any request for material in databse..*
* *Upadate: it updates each individual's record if any modification is done.*
* **Dependencies**
* *Data stored in the database for registered users.*
* *ng-multiselect-dropdown for multiselect dropdown list*
* **Interfaces**



* **Resources**
* *Open source code folder in command prompt.*
* *· After that you need to install below commands:*
* *npm install bootstrap@3 --save*
* *· Run the application by using ng serve command in the terminal or else in command prompt.*
* *· Opens your browser in* [*http://localhost:4200/*](http://localhost:4200/)
* *For Database: Create the database and tables in MySql Workbench.*
* *Database: Name: resourcetrackingmanagement (create the database as: CREATE DATABASE IF NOT EXISTS resourcetrackingmgmt );*
* *Tables: t\_groups\_details, t\_login\_details, t\_request\_details, t\_roles\_details, t\_tasks\_details, t\_technologies\_details, t\_tempusers\_details, t\_users\_details .*
* *For Spring Boot : import the code into eclipse ide and run as java application.*
* **References**

[**https://angular.io/resources**](https://angular.io/resources)

<https://www.npmjs.com/package/ng-multiselect-dropdown>

* **Processing**

Process Flow chart:



* **Known Defects**
* *The scope of the component is Free Trail and handeled 100 issues.*
* *It can be suitable for the one project. Multiple projects can’t handeled by this component.*