

# **CONFIGURATION MANAGEMENT PLAN**

CS GROUP NO -02

UNRAVEL

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# **1. Overview**

## **1.1 Purpose-**

Configuration management plan document provides the guidelines on what steps should be taken to manage the source code and the product to be made. It identifies the major change and once it is identified it checks whether it is being implemented and documented properly. It also states what and how certain activities to be done and who should be responsible for the same. It ensures that the development is done systematically and in very disciplined manner. It also focuses on the how to maintain the entire system's integrity according to the stated objectives.

## **1.2 Scope**

Configuration management plan identifies the changes and controls them throughout the software development lifecycle. Scope of this document is to make a proper plan for the configuration. It is to identify the items to be placed under the configuration control and also controlling these changes in the entire cycle of the software development. It also reviews the changes introduced at every point in time and evaluates the same followed by the updates.

# **2. Software Configuration Management Plan**

## **2.1 Software Configuration Management**

This section specifies the roles assigned and activities performed by the same as the part of the configuration management within the scope of the projects or the

objectives specified in the earlier phase. This will ensure the systematic process as discussed in the previous section.

| <b>Roles</b>                       | <b>Activities</b>   |
|------------------------------------|---|
| Project Manager                    | Project manager examines all the content of the documents and checks whether it reflects in the Website and mobile application or not.                |
| Configuration Manager(Team Leader) | Responsible for authorizing any changes in the documents and source code. Also responsible for the maintenance of the website and mobile application. |
| Developer                          | Directs the configuration manager in case of any help required during pushing the changes or in its maintenance.                                      |

## **2.2 Software Configuration Management Activities**

Software configuration management activities are supposed to identify whole set of tasks to be performed in managing the configuration process according to the objectives of the software specified earlier. All kind of activities are identified under the umbrella of the software configuration management plan.

### **2.2.1 Configuration Identification**

In the identification process we are supposed to identify the type and characteristic of the process we have gone through the development of the code, design and database of the software product in documented form. It helps in tracking of whole processes, the work product goes through. Purpose behind this is to track the maintenance of the growing system through the various revisions of each components of the software product and determine the states throughout the development process.

- Document we have written is named in specific conventions as it includes the version detail so that one can assume the stage at which that document is made .

### **2.2.2 Configuration Control**

Purpose of configuration control is to ensure all kind of changes in software product that is to be implemented with appropriate knowledge of management. Changes which are made without this will cause ineffectiveness which sometimes results in project failure. Basically it includes set of activities like

- Request
- Preparation
- Analysis
- Evaluation

To implement this we will perform the following methods in different kind of changes:

- Bugs reported by the testing team or any of the team member then it will be directed towards the concerned team members. Then the required actions will be performed by them.
- For the changes in the document, reviewer will make a review of the changes requested and forward it to configuration manager to analyze further with the given system specification whether these changes supports its architecture or not, if it fits then changes are made accordingly.
- For any kind of changes to be made in the source code of the system one has to propose the change then only it will be addressed as everyone will not be granted the access to it apart from the programmers.
- All the project related documents will be shared to the folder named Software Engineering on the google drive.
- Changes, modification or suggestion are invited from every team member which are discussed in whatsapp group or more often in meetings only. All of the changes will be made after consulting with the team concerned with specific department.

## **3. Configuration Plan Maintenance**

The Software Configuration Management Plan has to be updated on the introduction of new Software Configuration Management guidelines or the modification of the old guidelines. The Plan should be reviewed at the start of each project software phase, changed accordingly, and

approved and distributed to the project team. Changes made to the Software Configuration Management Plan are evaluated and approved by the review team. When the review team reviews and modifies the Software Configuration Management Plan, the changes made are communicated to all the team members along with the new, modified Software Configuration Management Plan.

## **4. References**

- IEEE std 828-1998(revision of IEEE std 828-1990) IEEE standards for software configuration management plan