CYBAGE
Delivering Value. Scientifically.

Document name	*Java Minor Project*
Version no.	*1.0*
Release date	*1st Feb 2021*
Classification	***Departmental***

Java Major Project

Document History

Ver. No	Release Date	Created By / Modified By and Date	Reviewed By and Date	Approved By and Date	Remarks and Changes Made
0.1	*1st Feb 2021*	Dadaram Jadhav			Initial draft.

Cybage learning

Project Statement:
Develop web based application for Cybage learning

Abstract of the System:
Main goal is to develop web based system for Cybage e-learning. Portal offers various video courses (course will consists of 4-5 videos). User can enroll to portal through registration. User enrolls for courses and finishes it. After finishing course generate completion certificate.

System Roles:
- Admin
- User

Admin Role:
- Manage application backend
- Login details provided by developer
- Login into system
- Create/update/delete/display course category
- Create/update/delete/display courses

User role:
- Register
- Login
- Create profile
- Search courses
- Enroll courses
- Finish course
- Generate completion certificate

Technologies to be used:

- Servlets/JSP
- Front end: HTML5, SASS, Javascript, jQuery, bootstrap4, RWD
- MVC architecture
- Unit Test Cases
- Logs
- Static code validator
- Editors – Eclipse
- Code coverage reports – SonarQube
- Other DevOps tools to be implemented

Note

- **Make assumptions whenever required in project**
- **Ensure following topics are implemented in project**
  - Classes, object
  - Encapsulation
  - Inheritance
  - Abstraction
  - Static variables/methods
  - Lambda expression
  - Stream API
  - Jdbc through datasource
  - Property file
  - Container security
  - Application design --> mvc architecture, factory, builder
  - Application layer --> presentation, application, dao