**PROJECT PLAN DOCUMENT**

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| Project number | 43 |
| Project Title | Porting of Circular Dichroism Spectroscopy to JavaScript |
| Document | Project Plan Document |
| Creation date | February 1, 2020 |
| Created By | Jalees Jahanzaib  Meena Raja Sree  Naren Akash R J  Mayank Goyal |
| Client  Organization | Mrs. Padmapriya Raman  Virtual Labs |

# **Brief problem statement**

Virtual Labs is an initiative of MHRD, Government of India to provide remote experimentation facilities to students, faculty members of higher education institutes and researchers who do not have access to good lab facilities. This project consists of over100 virtual labs with more than 1500 web-enabled experiments which are designed for remote operation.

The experiments and activities are created through embedded SWF files. The browsers do not natively support Flash and we had to download the Flash plugin. SEO and accessibility of data from the SWF file also posed a variety of problems. In today’s scenario, HTML, CSS and JavaScript combination is the most-widely used tool. The DASS project focuses on porting the Circular Dichroism Spectroscopy lab from Flash to JavaScript.

# **Team Members**

Mayank Goyal:

Jalees Jahanzaib:

Meena Raja Sree:

Naren Akash R J:

# **Team Communication**

We will try to meet twice in a week in workspace and complete our milestones by the end of the week.

# **Development Environment**

Currently we are mainly using 3dmol.js open source library for creating molecules required in experiments. We are only working in JavaScript. We are also using Trello Software to keep track of our project status.

# **Milestone Schedule**

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| --- | --- | --- | --- |
| Milestone | Due Date | Release | Deliverable? |
| Design Doc | 01-02-2020 | R1 | Yes |
| Finalize requirements | 01-02-2020 | R1 | Yes |
| Project Concept Document | 22-01-2020 | R1 | Yes |
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