PROJECT PLAN DOCUMENT

Project number	**Project 43**
Project Title	**Virtual Labs - VLSI**
Document	**Project Plan**
Creation date	**11th February, 2022**
Created By	**Rajarshi Ray ,Shubhankar Kamthankar ,Katha Rohan Reddy, Venneti Sri Satya Vinay**
Client	**Raj Agnihotri, Priya Raman of Virtual Labs**

Brief problem statement

The project will be made using JavaScript and HTML, with its basis rooted in animation and simulation of circuits by a user. IIITH developed virtual experiments, which were Java-based, will be converted by the team into FOSS-based experiments. The foundation of it remains the same, with the older mechanics being updated to newer, smoother mechanics.

Team Members

Katha Rohan Reddy, Venneti Sri Satya Vinay - Will work on the circuits.
Shubhankar Kamthankar, Rajarshi Ray - Will work on the graphs.

All 4 will work together when assembling together the entire work or drafting any necessary documents.

Team Communication

The team meets very regularly to discuss the project on GMeet. The main communication channel among the four is on WhatsApp and Discord, the former being used to inform and remind regarding meets and the latter being used for sharing documents and other project work. The Slack channels and Teams meet are used to meet and interact with the client and the mentors.

Development Environment

JavaScript will be used for the majority of the project. Chart.js library will be used to render the graphs. Anime.js, p5.js for the simulation and animation of the electric circuits.

Milestone Schedule

Milestone	Due Date	Release	Deliverable?
Experiments 1 and 2	17-02-22	R1	Yes
Experiments 3, 4, and 5	01-03-22	R1	Yes
Initial Release	03-03-22	R1	Yes
Experiments 6 and 7	19-03-22	R2	Yes
Experiments 8 and 9	04-04-22	R2	Yes
Experiment 10 and Backlog	11-04-22	R2	Yes

Testing and Debugging	17-04-22	R2	Yes
Final Release	24-04-22	R2	Yes