Project No.	Title	Description	Number of People	Technology	Mentors
1	Workstation - Work Cubicle		4	AFrame	Sai Anirudh
2	Virtual Art Gallery	Games like Temple Run and Subway Surfer fall in the category of endless running games because the path never ends. In this project, you will develop a scene of a art gallery in VR. It will consist of an endless corridor with paintings hanging on walls of the aisle. The user will explore it by walking down the corridor. We will provide the software for making this aisle endless.	4	AFrame	Raghav
3	Puzzle Game for Dyslexia	Implement one Puzzle Game for Dyslexia from the available literature. You can choose any one game from the source provided and build an app around it for dyslesic people. Source: http://dyslexiahelp.umich.edu/tools/fun-games-for-dyslexics	4	AFrame	Shivang
4	Color blindness Detection	Implement one Color blindness test from the established literature as a web-application to digitally test color-blindedness in users. Source: https://www.colorlitelens.com/color-blindness-test.html	4	AFrame	Shivang
5	R and D Show Case	Games like Temple Run and Subway Surfer fall in the category of endless running games because the path never ends. In this project, you will develop a scene of a poster exhibition in VR. It will consist of an endless corridor with posters pasted on walls of the aisle. The user will explore it by walking down the corridor. We will provide the software for making the aisle endless.	4	AFrame	Raghav
6	Requirements Engg - Functional Use Cases	Webpages - Intro, Theory, Procedure. Interface - JS Library for drawing Use Cases (https://stackoverflow.com/questions/7231039/javascript-libraries-for-drawing-uml-class-diagramms) An interface to add newer requirements with integration to GitHub	3	HTML and JS Libraries	Abhinav
7	Design - Class, Object and Sequence diagram	Web page - Intro, Theory, Procedure for various diagrams	3	HTML and JS Libraries	Abhinav
8	Estimation	Web page - Intro, Theory, Procedure on CoCoMo, FP, SMC calculations Interface for Inputting - FP estimation elements	3	HTML and JS Libraries	Abhinav
9	Process Quality	Web Page - Quality, Process Quality, Various Metrics Interface - Calculate SV, EV, COQ, etc	3	HTML and JS Libraries	Abhinav
10	Product Quality	M and an explanation on the calculated metrics	3	aries, Python (for interfacing with API) or usag	Abhinav
11	Interface for connecting	Web Page - Introduction on Linux, Commands, Shell scripting basics on each of these topics. The web page should brief about each of the commands and take the interface for execution	3	JS	Lalit
12	LXC on Ubuntu machine	Create LXC container with limit on RAM, CPU and Storage. Deploy instances in given VM with virtualization in place.. No option for LXC - LXC communication, image is deployed. check for available limits and instances	3	Shell	Lalit
13	Crawler & Scrapper	Interface for taking keywords (similar to ACM), use it for extracting papers related information (not papers) from Springer, ACM, IEEE and Science Direct. Right polling to ensure no blocking as bot. Consistent fields	3	Python & Django, JS, HTML	Ramchander & Dhiraj
14	Reporting after data cleansing	Interface for implementing Inclusion, Exclusion and Quality. Extract shortlisted papers with all applicable attributes	3	Python & Django, JS, HTML	Ramchander & Dhiraj
15	Data storage and interface for processing	Generate report and visualization - Papers Trend, Category wise, University, Conference, etc	3	Python & Django, JS, HTML, D3.js	Ramchander & Dhiraj