

## Project Planning Phase

### Project Planning Template(Product Backlog, Sprint Planning, Stories, Story points)

<b>Date</b>	<b>03.11.2022</b>
<b>Team id</b>	IBM-29269-1662616381
<b>Project Name</b>	<b>AI-Powered nutrition analyser for fitness enthusiasts</b>
<b>Maximum marks</b>	<b>8 marks</b>

#### Product Backlog, Sprint Schedule, and Estimation:

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team member</b>
Sprint 1	Data collection	USN-1	Dataset - Collecting images of food items apples , banana, orange, pineapple, watermelon for analysis	5	high	Narmadha .R
Sprint 1	Image Processing	USN-2	Image data augmentation - Increasing the amount of data by generating new data points from existing data	4	medium	Hemavathi .A
Sprint 1		USN-3	Image Data Generator Class - Used for getting the input of the original data	4	medium	anitha.P
Sprint 1		USN-4	Applying image data generator functionality to train set and test set	4	medium	komala.P
Sprint 2	Modeling Phase	USN-5	Defining the model architecture - Building the model using deep learning approach and adding CNN layers	4	medium	Narmadha .R

Sprint 2		USN-6	Training , saving, testing and predicting the model	3	low	A.hemavat hi
Sprint 2	Development Phase	USN-7	Login and registration page creation - User can register and login through gmail with Id and password	4	medium	p.Anitha

Sprint 3		USN-8	User Input Page Creation - It is for the user to feed the input images	5	high	Narmadha .R
Sprint 3		USN-9	Creation of about us , feedback and rating page – It shows application history and feedback page to users	4	medium	komala.p
Sprint 3	Development Phase	USN-10	Building the python code and importing the flask module into the Project	2	low	Anitha.P
Sprint 4	Development Phase	USN-11	Create the Flask application and loading the model	5	high	Hemavath i.A
Sprint 4	Deployment Phase	USN-12	Cloud deployment – Deployment of application by using IBM cloud	4	medium	komala.p
Sprint 4	Testing Phase	USN-13	Functional testing – Checking usability and accessibility	4	medium	anitha.p
Sprint 4		USN-14	Non Functional testing – Checking scalability and performance of the application	2	low	Narmadha .R

### Project Tracker, Velocity & Burn down Chart: (4 Marks)

Sprint	Total Story Point	Duration	Sprint Start Date	Sprint End Date	Story Points Comple ted (as on Planned End Date)	Sprint Release Date (Actual)
Sprint 1	20	6 days	24 Oct 2022	29 Oct 2022	20	05.11.2022

Sprint 2	20	6 days	31 Oct 2022	05 Nov 2022	20	05.11.2022
Sprint 3	20	6 days	07 Nov 2022	12 Nov 2022	20	11.11.2022
Sprint 4	20	6 days	14 Nov 2022	19 Nov 2022	20	15.11.2022

## velocity:

AV=sprint duration/velocity

=20/10

=2