

## PROJECT DESIGN PHASE - 1

### PROBLEM SOLUTION FIT

DATE	27 September 2022
TEAM ID	PNT2022TMID15358
PROJECT NAME	STATISTICAL MACHINE LEARNING APPROACHES TO LIVER DISEASE PREDICTION
MAXIMUM MARK	2 Marks

### Problem Solution Fit:

Define CS, fit into CC	<b>1. CUSTOMER SEGMENT(S)</b> <span>C</span> <p>The common people who are affected by liver disease are the customer of this application.</p>	<b>5. AVAILABLE SOLUTIONS</b> <span>C</span> <p>By doctor diagnoses the people can identify the disease in final stage and that may cause the risk to <u>patients</u> life.</p>	<b>8. CHANNELS of BEHAVIOUR</b> <span>AC</span> <b>8.1 ONLINE</b> <p>Basic perception of patients will be used</p> <b>8.2 OFFLINE</b> <p>Trying to identify by using some test analysis</p>	Explore AS, differentiate
Focus on: I&D, fan into RE, understand	<b>2. JOBS-TO-BE-DONE / PROBLEMS</b> <span>J&amp;P</span> <p>Early prediction of liver disease using classification algorithms are an effective task that can help the doctors to diagnose the disease within a short duration of time.</p>	<b>6. CUSTOMER CONSTRAINTS</b> <span>RC</span> <p>Availability of good analysis. images in pixels to get accurate prediction of disease</p>	<b>9. PROBLEM ROOT CAUSE:</b> <span>BE</span> <p>Liver diseases avert the normal function of the liver. Mainly due to the large amount of alcohol consumption liver disease arises. Discovering the existence of liver disease at an early stage is a complex task for the doctors.</p>	Focus on: I&D, fan into RE, understand
Identify strong TR & EM	<b>3. TRIGGERS</b> <span>TR</span> <p>As many people are affected by liver disease because of late analysis so that to reduce loss of life</p>	<b>7. BEHAVIOUR:</b> <span>SL</span> <p>Directly:  The people who are affected can easily identify their problem and knowledge about the causes.</p> <p>Indirectly:  People can be able to get results through online as soon as possible.</p>	<b>10. YOUR SOLUTION</b> <span>SL</span> <p>No need medical expertise: You don't have to have any knowledge of medical science  High accuracy: The system predicts the results with 100 % accuracy for the dataset that we have used while creating this application.  Immediate results: The results here are predicted within seconds of entering the details. You don't need to wait for a doctor to come, unlike in traditional method</p>	Identify strong TR & EM
	<b>4. EMOTIONS: BEFORE / AFTER</b> <span>EM</span> <p>Before: losing self-confidence, tensed  After: gaining better improvement, relief</p>			