IDEATION PHASE LITERATURE SURVEY

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| DATE | 22 November 2022 |
| TEAM ID | PNT2022TMID25156 |
| PROJECT NAME | STATISTICAL MACHINE LEARNING APPROACHES TO LIVER DISEASE PREDICTION |

LITERATURE SURVEY:

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| **S.NO** | **YEAR** | **AUTHOR NAME** | **TITLE** | **ALGORITHM** | **DRAWBAKCS** |
| **1.** | 2009 | [P.Karule,](https://www.semanticscholar.org/author/P.-Karule/34749823) [Dr. Sanjay Vasant Dudul](https://www.semanticscholar.org/author/Dr.-Sanjay-Vasant-Dudul/2185153) | Intelligent Diagnosis of Liver Diseases from Ultrasonic Liver Images: Neural Network Approach | MLP NN  classifier | In the early stages, HV tends to be asymptomatic and can be detected only through screening. |
| **2.** | 2010 | 1. [Sakr,](https://www.semanticscholar.org/author/G.-Sakr/1768700) [I.Elhajj,](https://www.semanticscholar.org/author/I.-Elhajj/1793946) 2. [Huijer](https://www.semanticscholar.org/author/H.-Huijer/2174048) | Support Vector Machines to Define and Detect Agitation Translation | Support Vector Machine Classifier | Unlike generative machine learning approaches, which require computations of conditional  probability distributions |
| **3.** | 2012 | [H. Al-Angari,](https://www.semanticscholar.org/author/H.-Al-Angari/1398312023) [A. Sahakian](https://www.semanticscholar.org/author/A.-Sahakian/32630779) | Automated Recognition of Obstructive Sleep Apnea Syndrome Using Support Vector Machine Classifier. | Support Vector Machine (SVM)  Classifier | The features can be incorporated into automatic algorithms for portable OSA monitoring using the available respiratory and oxygen saturation devices. |
| **4.** | 2021 | Adekola Olubukola Daniel, Ekanem Edikan Uwem | Prediction Diagnosis of Liver Disease in Human  of using Machine Learning | Neural network | The need to develop a tool that could aid doctors and prevent from unwarranted errors and  unwanted biases in diagnosis is established in this research. |
| **5.** | 2021 | [Sana Ansari,](https://www.semanticscholar.org/author/Sana-Ansari/145972712) [I.](https://www.semanticscholar.org/author/I.-Shafi/49410424) [Shafi,](https://www.semanticscholar.org/author/I.-Shafi/49410424) [J.Ahmad](https://www.semanticscholar.org/author/J.-Ahmad/2066048955), [Syed](https://www.semanticscholar.org/author/Syed-Ismail-Shah/1810492)  [Ismail Shah](https://www.semanticscholar.org/author/Syed-Ismail-Shah/1810492) | Neural network- based approach for the non-invasive diagnosis and  classification of hepatotropic viral disease, December 2021 | Neural network | The respiratory and magnitude features showed sensitivity in the apnea minute classification compared to the other features. |