

## Project Design Phase-I Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID14072
Project Name	Project - Analytics for Hospitals' Health-Care Data
Maximum Marks	2 Marks

### Proposed Solution Template:

Project team shall fill the following information in the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The amount of data being collected is a major problem that can be solved by an automated system which reduces human power and is time consuming .
2.	Idea / Solution description	NLP in healthcare media can accurately give voice to the unstructured data of the healthcare universe, giving incredible insight into understanding quality, improving methods, and better results for patients.
3.	Novelty / Uniqueness	NLP is increasingly being leveraged to process unstructured data from medical records, allowing analytics systems to interpret them more easily. Rather than wasting precious time reviewing complex EHR's, NLP allows physicians to extract critical insight.
4.	Social Impact / Customer Satisfaction	NLP gives incredible insight into understanding quality, improving methods, and better results for patients.
5.	Business Model (Revenue Model)	This frees up physicians and staff resources to focus more on the complex matters and reduces the time spent on redundant administrative policy. When computers can understand physician notation accurately and process that data accordingly, valuable decision support can be obtained.
6.	Scalability of the Solution	NLP models have helped leading hospitals within India and abroad, overhaul their patient and staff experience through use cases like automation of appointment booking, feedback collection, optimization of internal processes like medical coding and data assessment as well as data entry.

