ANALYTICS FOR HOSPITALS' HEALTH-CARE DATA
Solution Architecture

DATE	14 October 2022
TEAM ID	PNT2022TMID47568
PROJECT NAME	Analytics for Hospitals' Health-care data
MARKS	4 Marks

R.BALAMURUGAN.

Final year CSE Student,

Latha Mathavan Engineering College, Madurai.

M.KRISHNAKANNAN.

Final year CSE Student,

Latha Mathavan Engineering College, Madurai.

T.PRAKASH.

Final year CSE Student,

Latha Mathavan Engineering College, Madurai.

K.SUBASH.

Final year CSE Student,

Latha Mathavan Engineering College, Madurai.

Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

➢ We optimize our storage. Not having redundant copies reduces the amount of storage required.

➢ We keep the data secure with only authorized services having access to it. Keeping multiple copies of the data can result in higher security risk.

➢ We are able to scale the storage and compute separately as needed.

➢ It becomes easier to manage the data and monitor usage metrics centrally such as how often the data has been accessed, who has been accessing it, and what has been the growth pattern of the data over a period of time. These metrics can be difficult to aggregate if the data is duplicated multiple times.

Example - Solution Architecture Diagram: