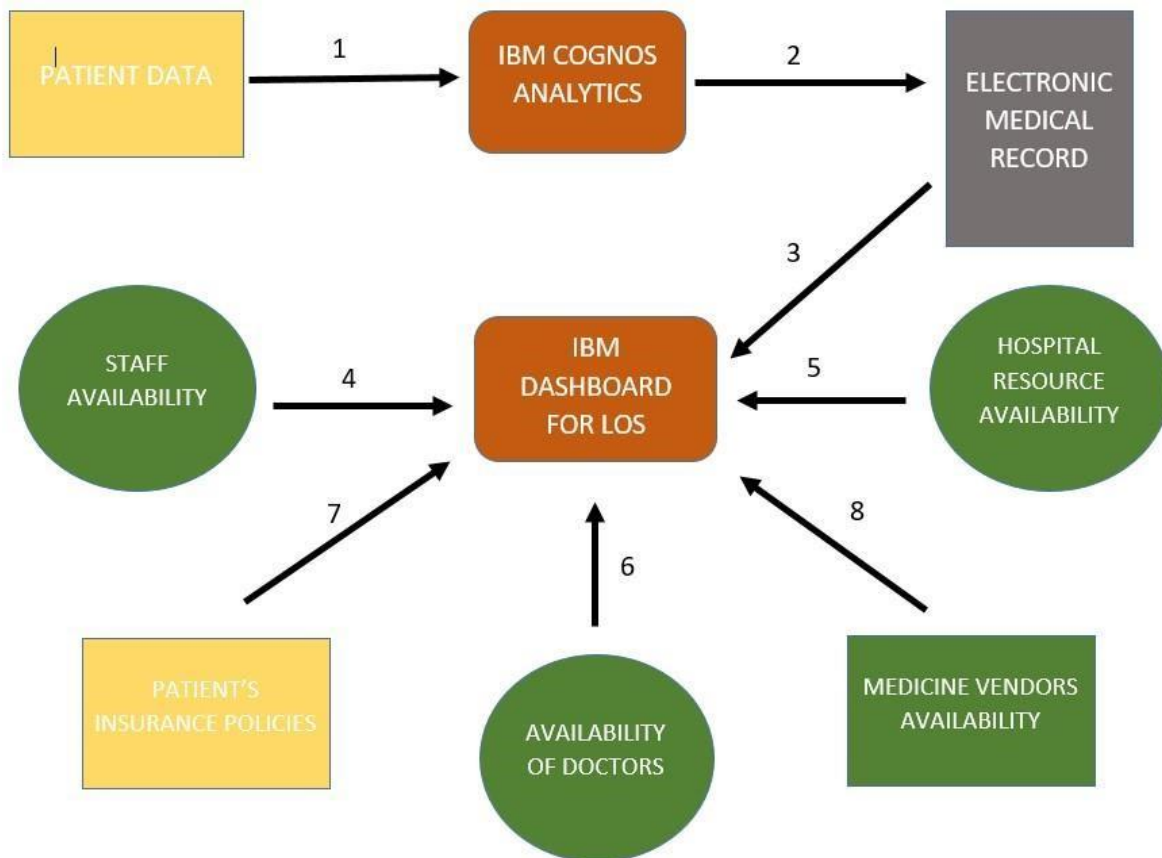


**Project Design Phase-II**  
**Data Flow Diagram & User Stories**

Date	02 November 2022
Project Name	Analytics for Hospitals' Health-Care Data
Maximum Marks	4 Marks

**DATAFLOW DIAGRAM**



1. Users- patients data are collected, preprocessed and are visualized in the form of charts, graphs using IBM Cognos Analytics tool
2. The collected data is processed in the form of electronic medical record.
3. The above record is sent as input to the IBM Dashboard.
4. The details regarding availability of staffs in the hospital is also collected for calculating LOS.
5. The availability of hospital resources like beds ,ICU's, oxygen are also taken as input.
6. Information regarding the availability of doctors are also taken into account.

7. LOS may also depend upon the patient's financial status. Therefore the insurance policies of the patients are also considered.
8. The availability of medicines is also important when LOS is considered. Those info are also collected.

## USER STORIES

USER TYPE	FUNCTIONAL REQUIREMENT	USER STORY NUMBER	USER STORY/TASK	ACCEPTANCE CRITERIA	PRIORITY	RELEASE
PATIENT	Registration	USN1	The patient can admit/register in the hospital by submitting their details.	The patients now have access for the details submitted and the resources allocated.	HIGH	Sprint-1
		USN2	The patient can also book for an appointment in prior through a phone call.	They have access for the previously booked hospital's resource.	HIGH	Sprint-1
HOSPITAL STAFF	Guiding/Maintaining the patients	USN3	The staffs can look into the patients information in the hospital records so that further operations can be done.	The staff has access to the records/medical reports of the patients.	HIGH	Sprint-1
MEDICINE VENDORS	Providing medical support.	USN4	Medicine vendors can view patients records for providing proper medicines.	They have access to the availability of medicines in the hospital so that they can provide proper supply.	HIGH	Sprint-1
INSURANCE PROVIDERS	Providing insurance support	USN5	Insurance providers can verify the patients records and provide the necessary facilities as per the insurance claimed.	They have access to the patients data so that they can check/verify for the correctness of the information.	LOW	Sprint-2
PATIENT CARE EXECUTIVE	Dashboard	USN6	The dashboard provides details regarding the patients, affected disease, severity, hospital resource which helps in the calculation	Gives access of the patient's data	MEDIUM	Sprint-3

			of LOS(Length Of Stay).			
ADMINISTRATOR	Maintain records	USN7	Keep track of the patient's information and recent updates.	Used for better management.	LOW	Sprint-4