E-Governance

E-Governance is the application of Information and Communication Technology (ICT) for delivering hospital services, exchange of information communication transactions, integration various stand-one systems and services between hospital-to-patients, hospital/medical college-to students, hospital/medical college-to business, as well as back office processes and interactions within the entire hospital/medical collegeframe work. Through the e-Governance, the hospital/medical college services will be made available to the patients / students in a convenient, efficient and transparent manner.
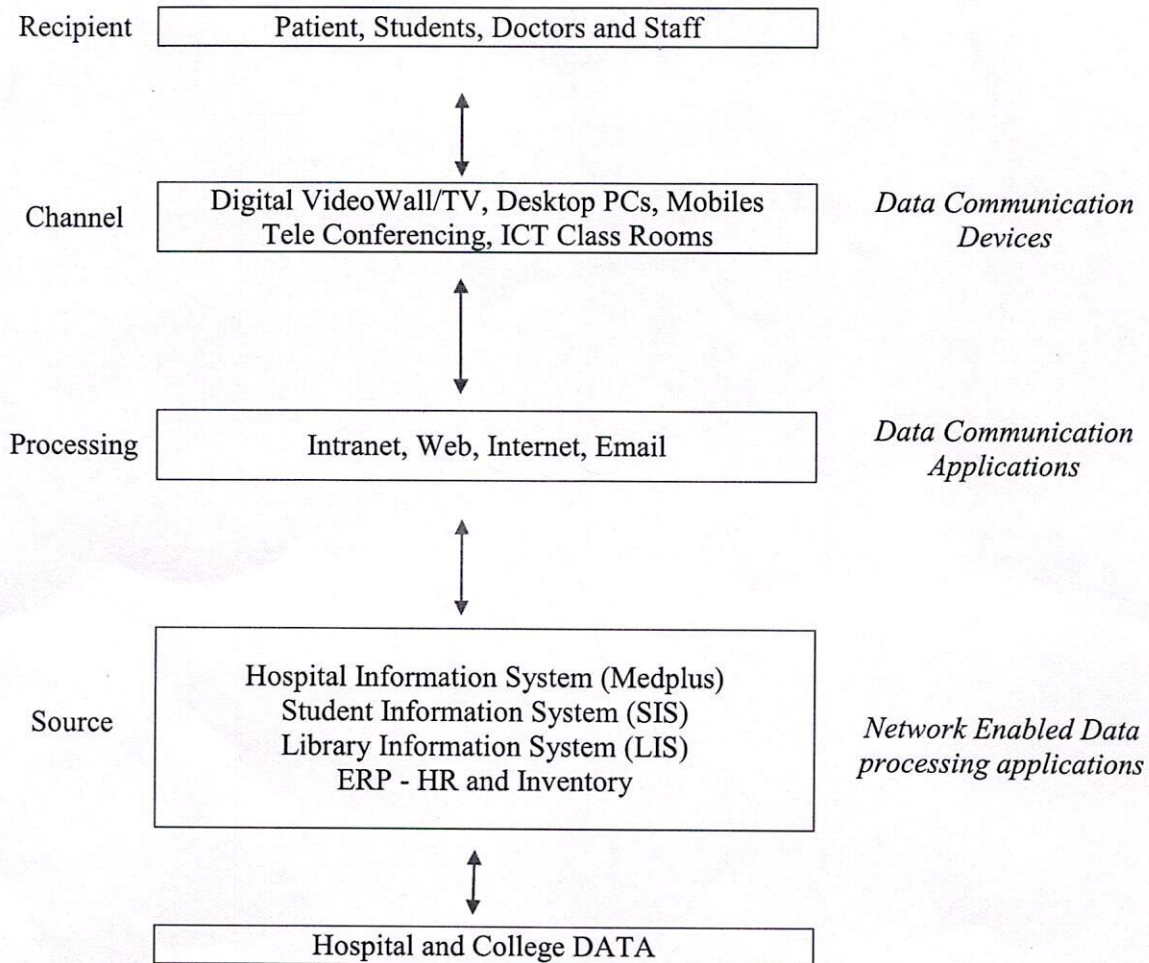
Features of e-governance system

The following are the areas that will benefit immensely by e-governance.

1. Patient registration (HIS – Medplus)
2. Out patient management
3. In patient management
4. Patient billing management
5. Lab information management system
6. Pharmacy
7. Medical records management
8. Student information system (SIS)
9. Student learning management system
10. NPTEL resources for student
11. Library information system (LIS)
12. ERP for Human resources (ERP-HR)
13. ERP for inventory system (ERP-Inventory)

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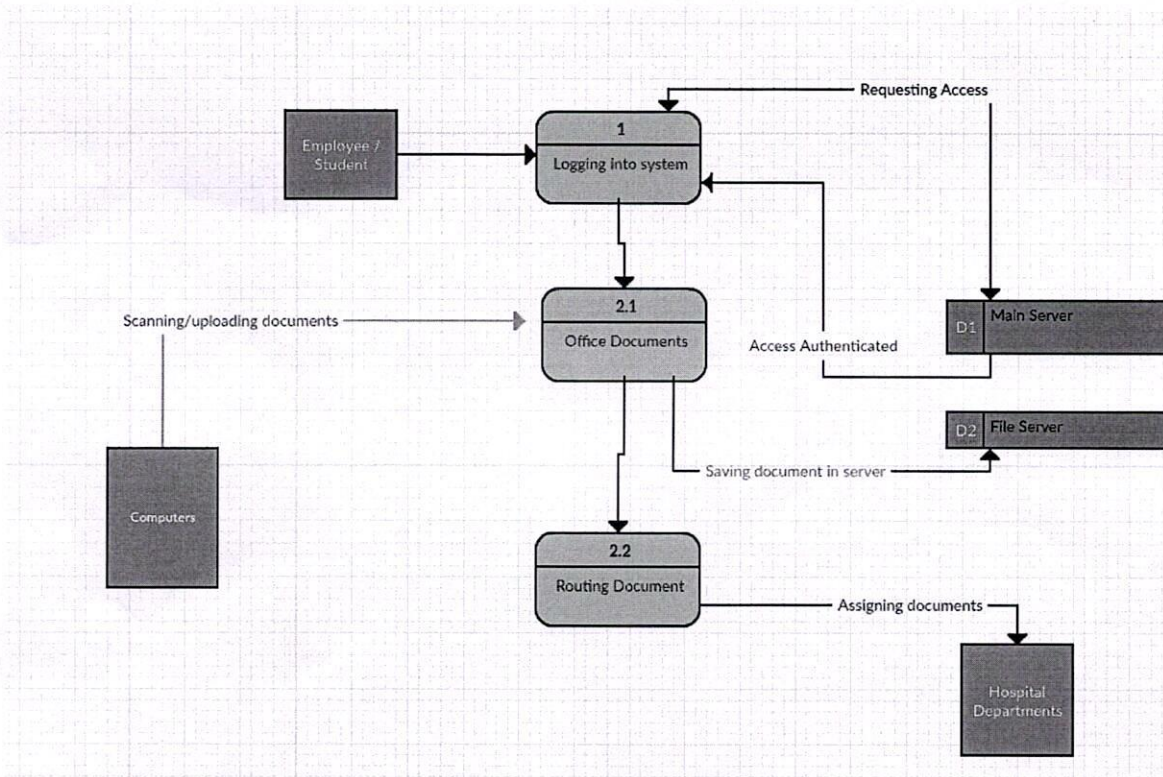|		
Recipient	Patient, Students, Doctors and Staff	
	↕	
Channel	Digital VideoWall/TV, Desktop PCs, Mobiles Tele Conferencing, ICT Class Rooms	*Data Communication Devices*
	↕	
Processing	Intranet, Web, Internet, Email	*Data Communication Applications*
	↕	
Source	Hospital Information System (Medplus) Student Information System (SIS) Library Information System (LIS) ERP - HR and Inventory	*Network Enabled Data processing applications*
	↕	
	Hospital and College DATA	

Privacy vs. Safety

Healthcare and student records (HIS / SIS / LIS / ERP-HR / ERP-Inventory) often contain sensitive data, which could potentially harm a person's reputation or private life, should it be exposed to unauthorized people. More seriously, though, these records are the basis on which a patient receives care, and errors caused by negligence, malicious intent, or the like can potentially cause physical harm.

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For these reasons, healthcare and student records are surrounded by security measures. Ensuring the confidentiality of information while in transit from one practitioner to the next, and while being stored, is imperative to avoid eavesdropping by unauthorized individuals.

Thus, hospital that handle sensitive data and the authorized personal who are given the right to access those data should be bounded by law to ensure that only authorized staff gains access. Moreover, the system should have proper, faster and simpler authentication measure.

Summary

Implementing an e-governance solution will lower the cost of developing, deploying, managing hospital and collegeservices for providing better services to patients and students.

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