

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING
IBM – LITERATURE SURVEY
PROJECT TITLE
HEALTH CARE BASED CONTAINMENT ZONE ALERTING APPLICATION
(2022-2023)**



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S.no	Title of the project	Advantages	Dis advantages	Technology used
1.	Construction of empirical care pathways process models from multiple real word datasets.	Care pathways (CPWs) are "multidisciplinary care plans that detail essential care steps for patients with specific clinical problems." The present work describes how to apply an existing process mining methodology to construct the empirical CPW process models.	The solution proposed solves the limitations pointed by regarding the data availability.	PM suare technology.
2.	Evaluating EHR and Health Care in Jordan According to the International Health Metrics Network (HMN) Framework and Standards: A Case Study of Hakeem.	The health metrics network (HMN) framework and standards for country health information systems are used to measure the Hakeem system from different perspectives to ensure that it meets its objectives to maintain the required level of medical services in Jordan compared to international systems.	Connect the public health sector with private health sectors and other government sectors. Improve the communication between all shared sectors. Use analysis and knowledge management tools that could help in decision making process	HMN Technology.
3.	Point of-Care Technologies for the Advancement of Precision Medicine in Heart, Lung, Blood, and Sleep Disorders	Point of care technologies may enable access to rapid and cost-effective interrogation of a patient's health condition in near real time	New POC technologies are required to achieve precision medicine.	Point of care technology.

4.	DDMIA: Distributed Dynamic Mutual Identity Authentication for Referrals in Blockchain-Based Health Care Networks	It was proven to be secure by assuming the hardness of the elliptic curve discrete log problem (ECDLP) and Elliptic curve computational Diffie–Hellman problem (ECDH) using CK-Model.	The overall communication cost of DDMIA is higher than all other schemes.	Block chain technology.
5.	Testing the Feasibility of a Multi-Model Fusion Method for Monitoring the Action of Rehabilitating Stroke Patients in Care Management.	Additionally, an adaptive weight fusion strategy is used to fuse the two networks for the final action classification. Results show high accuracy on two public datasets and a dataset created by us, which validate the superiority and feasibility of our method.	This study is still in the preliminary exploratory stage due to the small sample size of data and the absence of long-term investigation .	Multi model fusion technology
6.	A Web Services Based Framework for the Transmission of Physiological Data for Local and Remote Neonatal Intensive care.	This framework enables real-time physiological data collected from medical monitors and ventilators attached to the baby to be encoded in XML and transmitted via the use of a physiological log web service.	The size of packet sent by the DCU, which is impacted by the number of medical devices attached, the number of readings per second and the time interval covered, impacts how close to real time the physiological transmission will be.	e-commerce and e-service technology.
7.	Proposal for an eHealth Based Ecosystem Serving National Healthcare.	A methodology to develop an integrated EHR at National level is proposed as a	The paper however, is not limited to a theoretical framework.	HER SE,epsos SE technology

		prerequisite for eHealth and put into perspective.		
8.	Novel Techniques for Mapping Infectious Diseases Using Point of Care Diagnostic Sensors	Data Mural's proprietary platform uses the latest in mapping and spatial visualization tools, big data analytics, data mining methods and processes.	we expect enable decision makers, policy makers and healthcare providers with the ability to better identify and develop effective and timely actions that save lives and keep their populations safer by reducing the spread and incidence of infectious diseases.	Cloud management technology.
9.	mHEALTH-PHC - Application design for rural health care	Since this was one of the early initiatives in rural health-care delivery, it was a very good learning experience. There were excellent interactions and feedback from the ground level health workers. An innovative "Participative Design" approach was used for this purpose.	At times while uploading data or recording a query, ANMs used to face issues in GPRS connectivity.	GPRS Technology.
10.	Meaningful Use of Electronic Health Records for Physician Collaboration: A Patient Centered Health Care Perspective.	The use and the integration of EHRs (Electronic Health Records) in supporting collaboration to increase the efficiency and effectiveness of healthcare	In order to achieve better quality of care, the electronic health records with web services can provide the transparency needed as physicians utilize	EHR'S technology

		remains a challenge.	the technology to exchange content and patient interaction to enable patients to access the information they need to make better decisions about their healthcare.	
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