

# DIGITAL LITERACY FOR HEALTHCARE PRACTITIONERS & PROFESSIONALS

BMSW4003

Georgiana Noretu (2125484)

Ion Tudora (2125485)

Presented By



## Benefits of Digital Technologies in the Healthcare Sector



Re-modelling the  
doctor-patient  
relationship



Expansion of the  
reach of the  
healthcare  
professionals



Levelling the  
platform

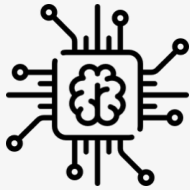


Prevention over  
treatment



Responsive and  
sustainable  
healthcare

## Use of Contemporary Technologies in Diagnostic



Artificial Intelligence



Internet of Things

### Offered Benefits



Automated Surgeries



Decreased Cost Requirement



Mitigated Risks



Telemedicine Services

## Use of Contemporary Technologies in Administration



Electronic Health Records



Interactive Health Records



Computerized Physician Order Entry

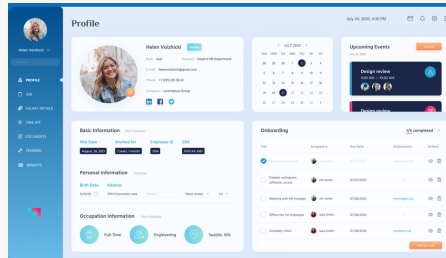


E-prescriptions

- Used to ease the process of administration in the healthcare sector
- Speeds up the process and makes it possible to provide service to a large number of patients within a short time
- Lowers the cost required for developing administrative processes
- Creates a balanced and effective ground for both the administrators and the physicians

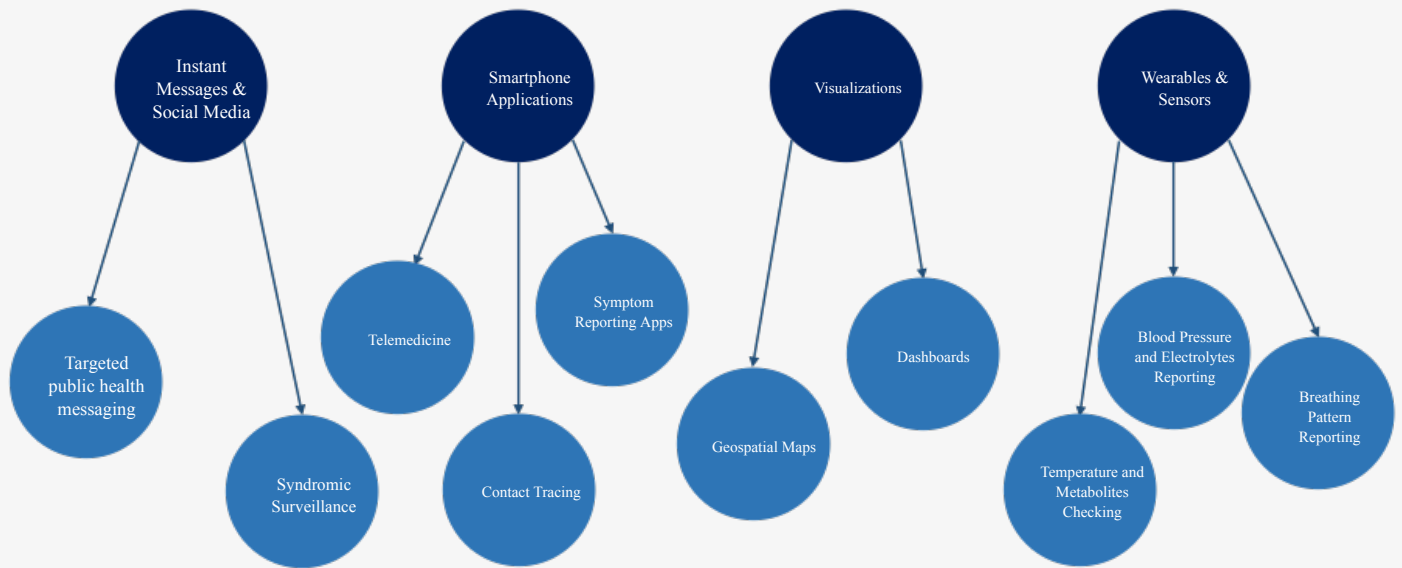
## Use of Contemporary Technologies in Care Support

- Automated patient care management system
- Telemedicine
- Patient dashboards and scorecards
- Predictive analysis
- Data warehouse and aggregation
- Remote monitoring system for patients
- Patient engagement



## Technologies Used During Covid-19

## Functions of the Technologies Used During Covid-19



## Benefits Offered by the Technologies Used During Covid-19

Planning & Tracking

Screening

Contact Tracing

Quarantine and Self-isolation

Clinical Management

## Digital Communication in the Healthcare Sector



Notifies when the reports are available

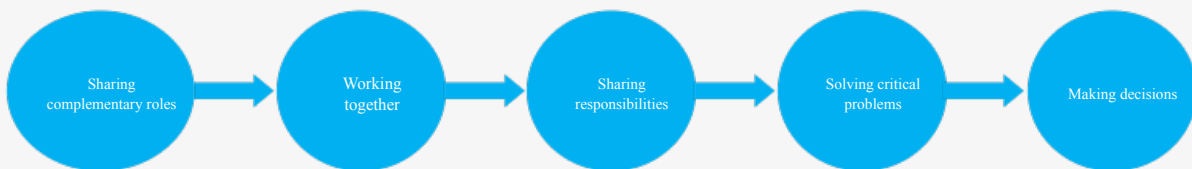


Reminds the due date of the medical bills



Sets follow-up appointments for the patients

## Digital Collaboration in the Healthcare Sector



### Potential Technologies to Support Collaboration



BPM Software



Electronic Forms & Signatures



Mobile Applications

## Digital Participation in the Healthcare Sector

The active involvement of healthcare professionals, practitioners and patients in the digital society through the use of different modern information and communication technologies

### Benefits of Digital Participation in Healthcare Sector

- Improved self-care for the minor diseases
- Improved self-management for any long term diseases
- Improved use of the digital health services
- Cost intensive
- Time saving
- Shared care and shared decision-making
- Physical wellbeing

## Digital Identity & Its Importance in Healthcare



Character Information



User Credentials

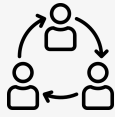


Reputation



User Information

## Digital Well-being & Safety in Healthcare



Information Sharing



Error Identification



Automated Tasks



Medication Alarms

## Digital Literacy Scopes for Healthcare Professionals and Practitioners



Learning and  
Innovation Skills



Information, Media  
& Technology



Life & Career Skills

## Digital Teaching Processes for the Healthcare Professionals and Practitioners



Gamification



Crowdsourced Teaching



Online Collaboration



Online Education



Personalized Teachings

## Technical Skills Required for Healthcare Professionals to Handle Data and Information



Identifying Data Patterns



Understanding Design Concepts



Planning the Database Projects

## Advantages of Handling Data & Information in the Healthcare Sector

- Standardized process for keeping data and tracks of the patients
- Reduced error related to handwriting or any kind of transcription mistakes
- Increased efficiency in the process
- Easily transferable information
- Increased satisfaction for the patients
- Improved privacy rights and sharing authority to the patients
- Early detection of different medical issues
- Mitigating the fraud in the healthcare sector



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