



SYMBIOSIS INTERNATIONAL (DEEMED UNIVERSITY)

(Established under section 3 of the UGC Act 1956)

Re - accredited by NAAC with 'A' Grade

Founder: Prof. Dr. S. B. Mujumdar, MSc, Ph.D. (Awarded Padma Bhushan and Padma Shri by President of India)

Sub Committee - Specialization for Curriculum Development

Course Name : Digital transformation in Health Care

Course Code : T3667

Faculty : Computer Studies

Programme Type : PG

Course Credit : 3

Course Level : 3

Sub-Committee (Specialization) : Emerging Trends in IT

Batch : 2021

Learning Objectives :

- Deep understanding of healthcare industry from a global perspective
- Knowledge of extent of technology coverage currently in the industry
- Awareness of the prime focus areas in technology for this industry
- Understanding of the depth of technology coverage in the ultra modern world

Books Recommended :	Book	Author	Publisher
	Healthcare Digital Transformation: How Consumerism, Technology and Pandemic are Accelerating the Future	Edward W. Marx (Author), Paddy Padmanabhan	Productivity Press; 1st edition

Course Outline :	Sr. No.	Topic	Hours
	1	Course Introduction, background and business outlook	2
	2	Industry Background Different approaches to healthcare in different countries Healthcare budgets in western countries Payors, Providers and Pharmacies in US Healthcare system Medicare and Medicaid - US Healthcare	10
	3	Extent of technological embrace in traditional healthcare industry Rural hospitals in India Hospitals in Indian cities Ultra-modern hospitals in India Study of different Payors and Pharmacies in India	10
	4	Trending Digital Technologies in Healthcare Cyber security in Health Care management Big Data Analytics in Health Care management Artificial Intelligence in Health Care management	10

Digital Hospital
Health Analytics
Staff Management
Care Orchestration
Electronic Medical Record
Patient Services
Business Management
Clinical Logistics
Integration
Operations
Infrastructure
Intelligent Buildings
Health insurance , advance health care usin

Pre Requisites :

Healthcare industry basics

Evaluation :

Assignment

Class test

case studies

Presentation

Project

Quiz

Pedagogy :

Lecture & Discussion

Case analysis

Article analysis

Quizzes

Project presentation

Expert :

Rajesh Tejwani,,IBM