

Since 2007, Making IT Experts & Products

Course: HealthTech Software Development

Duration: 1000 Hrs (Changeable) | Fees: Individual / Batch

Since 2007, Nestsoft TechnoMaster has been providing training, internships, and services in IT technologies, both online and offline, with the expertise of **over 250 industry experts**. We have delivered internships, training, and seminars to more than 50,000 students, resulting in numerous success stories. **We offer 100% placement support through JobsNEAR.in**

Our Courses/Internship

- Python/Django Fullstack
- Artificial Intelligence
- Machine Learning
- Data Science
- Software Testing (All)
- Wordpress, Woocommerce
- Digital Marketing, SEO
- Php/MySQL, Laravel
- Flutter, Android, IOS
- Asp.net MVC
- Web Design, Javascript
- Angular JS, React JS
- CCNA, MCSA, CCNP
- AWS, GCP, Azure
- Odoo, Salesforce, Sap
- Microsoft Excel
- Ethical Hacking



Syllabus on the Next Page ..



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Introduction

HealthTech is a rapidly growing industry that combines healthcare and technology. It involves the use of digital health systems and software to improve patient care, streamline operations, and enhance the overall healthcare experience. The course is designed to provide students with a comprehensive understanding of HealthTech, including its fundamentals, industry overview, and the role of software development in this field.

Course Syllabus

Month 1: HealthTech Fundamentals & Software Development

Introduction to HealthTech

- * Introduction to Healthcare Technology
- * Evolution of Digital Healthcare
- * HealthTech Industry Overview
- * Healthcare Software Applications
- * Digital Health Transformation
- * Future Scope of HealthTech

Healthcare Software Systems

- * Hospital Management Systems
- * Electronic Health Records (EHR)
- * Electronic Medical Records (EMR)
- * Patient Management Systems
- * Healthcare Information Systems
- * Medical Data Workflow

Programming Fundamentals for HealthTech

- * Programming Concepts
- * Python for Healthcare Applications
- * Database Fundamentals
- * Data Storage and Management

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- * Software Development Life Cycle
- * Healthcare Application Architecture

Web Application Development

- * Frontend Development Basics
- * HTML, CSS and JavaScript
- * Responsive Healthcare Applications
- * Backend Development Concepts
- * Database Integration
- * Healthcare Portal Development

Month 2: Healthcare Application Development

Healthcare Database Management

- * Healthcare Data Models
- * Database Design
- * SQL for Healthcare Systems
- * Patient Data Management
- * Data Validation
- * Healthcare Database Security

Telemedicine Application Development

- * Introduction to Telemedicine
- * Online Doctor Consultation Systems
- * Appointment Management
- * Digital Prescription Systems

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- * Healthcare Communication Platforms
- * Remote Healthcare Solutions

Healthcare APIs and Integration

- * Introduction to Healthcare APIs
- * REST API Development
- * Medical Data Exchange
- * API Authentication
- * Third-Party Healthcare Integration
- * Secure Data Communication

Mobile Health Applications

- * Mobile Healthcare Solutions
- * Patient Mobile Applications
- * Health Tracking Applications
- * User Interface Design
- * Mobile Notifications
- * Application Deployment

Month 3: AI, Analytics & Healthcare Security

AI in Healthcare

- * Artificial Intelligence in Healthcare
- * Machine Learning for Medical Applications
- * Disease Prediction Systems
- * Medical Image Analysis

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- * AI Healthcare Assistants
- * Predictive Healthcare Analytics

Healthcare Data Analytics

- * Healthcare Data Collection
- * Data Processing Techniques
- * Medical Data Visualization
- * Healthcare Reports
- * Patient Data Insights
- * Data-Driven Healthcare Solutions

Healthcare Cybersecurity

- * Healthcare Data Privacy
- * Patient Information Security
- * Data Encryption
- * Secure Authentication
- * Access Control Systems
- * Healthcare Security Practices

Month 4: Advanced HealthTech & Projects

Cloud Healthcare Solutions

- * Cloud Computing in Healthcare
- * Healthcare Data Storage
- * Cloud-Based Applications
- * Application Deployment

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- * System Scalability
- * Healthcare Monitoring Systems

Advanced HealthTech Technologies

- * IoT in Healthcare
- * Wearable Health Devices
- * Remote Patient Monitoring
- * Smart Healthcare Systems
- * Digital Health Innovation
- * Future Healthcare Technologies

Final Projects

- * Hospital Management System
- * Telemedicine Application
- * AI Disease Prediction System
- * Healthcare Analytics Dashboard
- * Patient Monitoring Application

Tools and Technologies

- * Python
- * JavaScript
- * HTML & CSS
- * SQL
- * REST APIs
- * Artificial Intelligence

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- * Machine Learning
- * Cloud Platforms
- * Healthcare Information Systems

(Click on Course for more details)

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- Thank You -

N.B: This syllabus is not final and can be customized as per requirements / updates.

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