Specialized Training Programme in Digital Health
Duration: 2 weeks (14 May, 2025   to 27 May, 2025)

Course Content

Week 1:

Health Informatics
- Introduction to Digital Health
- Role of IT in healthcare.
- Clinical Data management.
- Using technology for Healthcare Delivery.
- Electronic Medical Records (EMRs).

Telemedicine
- Introduction and overview
- Importance and Need of Telemedicine in Healthcare
- Telemedicine Infrastructure
- Features and Services
- Privacy, Confidentiality, Security and Data Integrity in Telemedicine
- Effect of Telemedicine on Quality, Access & Cost
- Legal and Ethical Issues in Telemedicine
- Why Medical Standards are required in Telemedicine

Week 2:

Overview of various Digital Health IT standards
- Importance of Standards
- Standard and standardizing organizations
- Confidentiality, integrity, security of electronic data interchange
- RxNorm
- Health Level (HL7)
- SNOMED CT

Electronic Health Record (EHR) Standards for India -2016
- Standards and Interoperability
- Health Record IT Standards
- Guidelines
- Data ownership of Health Records
- Data Privacy and Security

Application Areas - Telemedicine Applications
- Introduction to Telemedicine Applications/Products developed
- Practical Sessions on Telemedicine Applications
- Introduction to Mobile Health and Mobile Technologies
- Practical Session on Mobile Health Applications
- Practical Session/PoC on Integrated Medical Devices with Telemedicine Applications
- Implementing aspects related to Telemedicine network

Course Summary

Digital Health is amongst the fastest growing industries. Leaps in digital technology have opened new avenues for tech savvy professionals in Digital Health IT & with ever increasing need for experts in this domain, opting for a future in Healthcare IT sector guarantees job growth & job security. This course is aimed at preparing trained human resources in Digital Health IT domain for respective participating countries.