Tentative Agenda for Full Day Trainings

Overview of EHR Standards (Intermediate)

Morning Session
- NRCeS Activities
- Introduction: EHR Standardization in India 2016
- Introduction to Patient Identifiers
- Overview of Architecture Requirements (ISO 18308)
- Introduction to Vocabulary Standards (SNOMED CT, LOINC, ICD-10)

Lunch Break

Afternoon Session
- Introduction to HL7 standard
- Introduction to DICOM standard
- Overview of Data Privacy and Security (ISO/TS 14441)
- Open Session

Introduction to ISO-18308

Morning Session
- Terms and definitions used in standard
- Requirements for an Electronic Health Record architecture
- Requirements for the representation of clinical information.

Lunch Break

Afternoon Session
- Communication and interoperability requirements
- Ethical and legal requirements
- Fair information principles
- Implementation approach of ISO 18308
- Open Session

Introduction to SNOMED CT

Morning Session
- SNOMED CT – Basics
- Demonstration: Browse SNOMED CT Content
- Understanding Licensing

- Demonstration: SNOMED CT search and data entry
- Data Analytics using SNOMED CT
- SNOMED CT Release file format

Lunch Break

Afternoon Session
- SNOMED CT implementation approaches
- Introduction to C-DAC's toolkit for SNOMED CT (CSNOtk)
- SNOMED CT to ICD-10 mapping control
- Implementation of SNOMED CT using CSNOtk
- Open Session

Introduction to ICD-10

Morning Session
- ICD-10 – Basics
- Demonstration: Browse ICD-10 Chapters
- Demonstration: ICD-10 Browser search and data entry
- Difference between ICD-10 and SNOMED CT

Lunch Break

Afternoon Session
- Data classification using ICD-10
- SNOMED CT to ICD-10 mapping control
- Open Session

Introduction to HL7 v2.8.2

Morning Session
- Introduction to Health Level Seven Standard Version 2.8.2
- HL7 Control - Rules that apply to all Messages, Data Types
- C-DAC's Medical Informatics SDK for HL7 v2.8.2

Lunch Break

Afternoon Session
- HL7 Systems
- HL7 Protocols
- Open Session

Introduction to DICOM PS3.0-2015

Morning Session
- Introduction to DICOM PS3.0-2015
- DICOM File Structure
- DICOM Information Object Definitions
- DICOM Message Service Element

Lunch Break

Afternoon Session
- Introduction to DIMSE Services
- DICOM Service-Object Pairs
- C-DAC's Medical Informatics SDK for DICOM PS3.0-2015
- SDK Demonstration