Tentative Agenda for Advance Trainings

Introduction to SNOMED CT

Day 1
Morning Session

- SNOMED CT – Basics
- Demonstration: Browse SNOMED CT Content
- Understanding Licensing
- Demonstration: SNOMED CT search and data entry

Lunch Break

Afternoon Session

- Data Analytics using SNOMED CT
- Decision Support using SNOMED CT
- SNOMED CT Implementation approaches
- SNOMED CT Release file format
- Open Session

Day 2
Morning Session

- Introduction to C-DAC's toolkit for SNOMED CT (CSNOtk)
- Demonstration: C-DAC's toolkit for SNOMED CT (CSNOtk)
- SNOMED CT to ICD-10 mapping control

Lunch Break

Afternoon Session

- Implementation of SNOMED CT using CSNOtk
- Hands-on CSNOtk Installation
- Open Session

Introduction to HL7 v2.8.2

Day 1
Morning Session

- Introduction to Health Level Seven Standard Version 2.8.2 - An Application Protocol for Electronic Data Exchange in Healthcare Environments
- HL7 Control - Rules that apply to all Messages, Data Types

- HL7 Conformance - Rules and conventions for constructing and communicating a message
- Code Tables - HL7 and User-Defined Code Tables
- HL7 Queries – HL7 Query and Response Messages

Lunch Break

Afternoon Session

- Introduction and features of C-DAC's Medical Informatics SDK for HL7 v2.8.2
- How to use SDK?
- Populate, Parse and Serialize HL7 Message using SDK

Day 2
Morning Session

- HL7 Systems - Patient Administration, Orders, Financial Management, Observations, Master Files, Medical Records, Scheduling, Patient Referral, Patient Care, Clinical Laboratory Automation, etc.
- HL7 Message Profile and Local Extension
- Special HL7 Protocols - Sequence Number Protocol, Continuation Messages and Segments, HL7 Batch Protocol, etc.

Lunch Break

Afternoon Session

- HL7 Systems and Special HL7 Protocols using SDK
- Introduction and Demonstration to eSanjeevani

Day 3
Morning Session

- Introduction and Demonstration of eSanjeevani
- Discussion on implementation approaches
- Q&A

Introduction to DICOM PS3.0-2015

Day 1
Morning Session

- Introduction to Digital Imaging and Communications in Medicine (DICOM) the standard for the communication and management of medical imaging information and related data
- DICOM Usage and Benefits
- DICOM Workflow.
- DICOM File Structure
- DICOM Information Object Definitions

Lunch Break
Afternoon Session

- DICOM Message Service Element

- Introduction to DIMSE Services
- DICOM Service-Object Pairs
- Open Session

Day 2

Morning Session

- Introduction C-DAC's Medical Informatics SDK for DICOM PS3.0-2015
- How to use SDK?
- Parse and Serialize DICOM image using SDK
- C-Services Demo using SDK

Lunch Break

Afternoon Session

- Hands-on CDAC's DICOM SDK Installation
- Open Session