

A. Name of the Institute	Centre for Development of Advanced Computing, Mohali
B. Name/title of the Course	Specialized training program in Telemedicine and Medical Informatics
C. Proposed Dates and Duration of the Course in weeks / months	From: 19 Feb 2018 to 16 Mar 2018 Duration: 04 weeks
D. Eligibility Criteria for Participants	
1. Educational Qualification	Doctors/ Paramedical staff/ Hospital Administrators/ Engineers / IT Professionals/ Pharmacists/ Graduate in Medical science with some working knowledge of computers.
2. Work Experience	As per MEA Guide line
3. Age Limit	Less than 50 years
4. Target group (Level of participants and target ministry/department etc. may be identified)	Policy makers/Officials from the Health Ministry /Departments and/or IT Ministry /Department, Biomedical/ IT Engineers, Hospital IT Administrators, Students/ Faculty in IT/ Medical Colleges working on Health Informatics.
E. Aims & Objectives of the Course	<ol style="list-style-type: none"> 1. Understand the basic requirement for the delivery of telemedicine and medical informatics services 2. Differentiate and apply telemedicine and medical technology in a variety of health care environments. 3. Basic knowledge of eHealth and telemedicine standards.
F. Details / Content of the Course <i>(please attach detailed Course Profile)</i>	Attached.
G. Mode of Evaluation of Performance of the ITEC Participant	Theory and viva voice

Contents of the Course

1. Introduction to Healthcare IT
2. Introduction to eHealth and Health Informatics
3. Evolution of Health records: from paper to being paperless
4. Introduction to Telemedicine
 - a. What is Telemedicine?
 - b. Standards in Telemedicine and eHealth
 - c. Privacy, confidentiality, security & data integrity in Telemedicine
 - d. Effects of Telemedicine on Quality, Access & Cost
 - e. Legal & Ethical Issues in Telemedicine
 - f. Clinical Aspects of Telemedicine
5. Establishing a telemedicine network
 - a. Conducting feasibility study
 - b. Identifying stakeholders
 - c. Preparing project plan
 - d. Deploying Telemedicine network
 - e. Training and hand-holding of users
6. Networks and Communication Technologies
7. Case Studies on Telemedicine implementation
8. Introduction to mobile Health and mobile technologies
9. Introduction to Biomedical Equipment & Engineering
10. Medical Informatics
 - a. Introduction to Medical Informatics
 - b. Areas of Medical Informatics
 - c. Applications and Equipment in Medical Informatics
11. Emerging Technologies in Healthcare IT
12. Practical sessions on Telemedicine
13. Practical sessions on Mobile Health applications