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(57) Abstract :
Healthcare Information Exchange System (HIES) for effective and instantaneous monitoring and treatment of individuals is provided. Accordingly EHR (Electronic Health Record) is created based on HL7 standards which allow disparate healthcare systems to communicate and Digital Imaging and communication in medicine (DICOM) standards allow images to transfer between imaging systems. The EHR data will be parsed in order to access. The parsing process consists of some events when reading certain elements. The events are checking well-formed syntax and searching useful piece of information. the said processes required for the proposed framework are broadly proposed into three. They are message generation process, transport process and receiving process (Fig 3.2) and are proposed as a message exchange model. It allows exchanging EHR data as XML document. Thus, the HIES system enables comprehensive healthcare methodology for patients which is quite effective and comes in handy for patients with varied nature of ailments.

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