

COURSE TITLE	TE142468: Medical Informatics Credits: 2 ELECTIVE COURSE
LEARNING OBJECTIVES	HMIS (Health Management Information System), telemedicine, medical network application, Medical Network, Medical-Legal and Privacy, Patient Medical Record, Genomics - Theoretical & Legal Aspects.
COMPETENCY	<ul style="list-style-type: none"> • Students have understanding the HMIS (Health Management Information System) including its medical legal aspects. • Students able to apply the information technology for patient healthcare improvement. • Students able to design a computer-based patient recording and reporting system. • Students have understanding the Genomics - Theoretical & Legal Aspects
SUBJECTS	<ul style="list-style-type: none"> • Hospital organization structure, rules, standard • Code and information handling in hospital, ethical • Professional and legal aspects • Medical equipment safety and handling, • Electromagnetic interference, integrated clinical information system.
MAIN REFERENCES	<ul style="list-style-type: none"> • Medical informatics, Bansal, Mohan, 2002. • Handbook of Medical Informatics, J van Bommel
OPTIONAL REFERENCES	-
PREREQUISITE	-