COURSE TITLE	**TE142484: Multimedia Streaming** Credits: 2 ELECTIVE COURSE
LEARNING OBJECTIVES	Students understand and have the ability to explain streaming techniques development for multimedia on digital TV and IPTV as well.
COMPETENCY	• Students can explain the design methods of streaming techniques for multimedia. • Students can explain the design methods of streaming techniques for multimedia on digital TV and IPTV broadcasting.
SUBJECTS	• Basics of multimedia streaming and its standards. • Standards of MPEG-4, H264, MPEG7 dan MPEG21 Video Coding. • Streaming design on Digital TV and IPTV broadcasting. • Troubleshooting.
MAIN REFERENCES	• Iain E. G. Richardson, H.264 and MPEG-4 Video Compression Video Coding for Next-generation Multimedia **,**The Robert Gordon University, Aberdeen, UK, Wiley. • A. Sadka, Compressed Video Communications, John Wiley & Sons, 2002. • 3. A. Walsh and M. Bourges-S´evenier (eds), MPEG-4 Jump Start, Prentice-Hall, 2002.
OPTIONAL REFERENCES	• V. Bhaskaran and K. Konstantinides, Image and Video Compression Standards: Algorithms and Architectures, Kluwer, 1997. • W. B. Pennebaker, J. L. Mitchell, C. Fogg and D. LeGall, MPEG Digital Video Compression • Standard, Chapman & Hall, 1997.
PREREQUISITE	• Discrete Mathematics and Graph Theory • Multimedia Network