COURSE TITLE	**TE142464: Real-time Systems** Credits: 2 ELECTIVE COURSE
LEARNING OBJECTIVES	Giving knowledge to the students in order to understand the real time system.
COMPETENCY	• Students are able to analyze the real time system. • Students are able to design the real time system.
SUBJECTS	• Real time operating system (RTOS) • Real time signal processing; Real time control system • Case studies.
MAIN REFERENCES	• Aurel Cornell , Dan Ionescu, <u>Real-Time Systems: Modeling, Design, and Applications</u>, World Scientific Publishing Company, 2007. • Albert M. K. Cheng, <u>Real Time System: Scheduling, Analysis, and Verification</u>, John Wiley & Sons, Inc., 2002.
OPTIONAL REFERENCES	A. Rettberg, M. Zanella, R. Dömer, A. Gerstlauer, and F. Rammig, <u>Embedded System Design: Topics, Techniques and Trends</u>, Springer, 2007
PREREQUISITE	-