EE6424  DIGITAL AUDIO SIGNAL PROCESSING

Acad Unit: 3
Pre-requisite: Nil
Effective: Academic Year 2013-2014
Last update: January 2013

LEARNING OBJECTIVE

Speech and audio are the most natural means of human communication. With the rapid advancement of technology, digital processing of speech and audio signals is becoming more popular. The first objective of this course will be to enable the students to understand how sound is perceived and the other objectives will be learning how various signal processing techniques can be applied to compress, enhance and recognize digital audio and speech signals.

CONTENT


LAB DESCRIPTION (if applicable)

Nil

LEARNING OUTCOME

Upon completion of the course, the students should have a basic knowledge of the various signal processing techniques taught so that they can contribute positively to research organizations or companies in the fields of telecommunication, signal processing and information technology.

STUDENT ASSESSMENT

Continuous Assessment 20%
Final Examination 80%

TEXTBOOKS

REFERENCES