EE6427 VIDEO SIGNAL PROCESSING

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

LEARNING OBJECTIVE

The objective of this course is to provide students with knowledge in image and video signal processing. This course focuses on advanced topics in image and video processing, especially on the image filter, image and video compression, and some international standards for image and video processing. All of these topics are important to the understanding of image and video technologies and applications.

CONTENT


LAB DESCRIPTION (if applicable)

Nil

LEARNING OUTCOME

Through this course, students are expected to gain in-depth knowledge of image and video compression, and some international standards for image and video processing. Besides, it is hoped that through learning the theories, it may help students to develop some state-of-the-art image and video processing applications. This course will also arouse students’ interest in the course and further motivate them towards developing their career in the area of multimedia processing.

STUDENT ASSESSMENT

Continuous Assessment 20%
Final Examination 80%

TEXTBOOKS

REFERENCES