LEARNING OBJECTIVE

Understanding the fundamental yet critical methods of automatic image analysis and pattern recognition by computers/machines. Acquiring foundations for further topics such as computer vision, machine learning, data mining and artificial intelligence.

CONTENT


LAB DESCRIPTION (if applicable)

Nil

LEARNING OUTCOME

Students of this course will be trained to have the ability of utilizing mathematics to solving real-world problems in the area of image analysis and pattern recognition. Students will learn solid fundamentals in image processing and analysis, statistical estimation, machine learning, pattern recognition and classification.

STUDENT ASSESSMENT

Continuous Assessment 20%
Final Examination 80%

TEXTBOOKS

REFERENCES