Abstract

Nowadays, digital video have been used widely for many application. Video technology have being one of the most important element in multimedia telecommunication, such as videophone and videoconference. The usability of video technology isn't just for communication but also use for entertainment, education, business, health care, etc. Object based video coding give a big contribution for development of video technology. One example of object based video coding is human object recognition which can increase the usability of digital video technology.

In this Final Assignment, unsepervised segmentation with adaptive neural network classifier used for human object recognition in video, that is extract human object from its background. Adaptive neural network classifier is used to handle classification problem of the element of the moving object.

Keywords*: object recognition, segmentation, clssification, digital video, neural network*