

A004 ENGR

Evacuation of Campus like Population During Emergency

Abstract:

There have been many manmade or natural emergencies incidents which requires transportation evacuation. Some of these include campus shooting, hurricanes, terrorist attacks and many others. This study focuses on campuses in case of shootings or terrorist attacks which may need immediate evacuation through vehicles or walking (pedestrians). Project utilizes FLEET and VISSIM simulation software to evaluate evacuation scenarios at Tennessee State University as a case study. Different scenarios and outcomes will be evaluated and the best-case evacuation scenario will be shared with TSU administration.