** St. MARTIN’S ENGINEERING COLLEGE**

**An Autonomous Institute**

**NBA & NAAC A+ ACCREDITED**

Dhulapally, Secunderabad-500100.

**Department of Computer Science and Engineering**

**Year: IV Semester: I Section: A**

**Major Project Title and Abstract**

**EFFECTIVE BIOMETRIC GAIT RECOGNITION USING ZERO SHOT LEARNING ALGORITHM**

**ABSTRACT**

As increasement of security awareness, people want to use the more convenient identification methods on human recognition. The gait recognition is the only way to identify human at a distance. The benefit of this approach is that the recognition can be performed at large distance with sufficiently low-resolution images. Everyone’s walking style (gait) is unique, and it has been shown that both humans and computers are very good at recognizing known gait patterns. This can be used as a biometric form that can be utilized to effectively recognize a person by his/her walking style. We are planning on using CNN with Random Forest for Known Gait Recognition for known covariates and for unknown, we propose on using Local Binary Pattern, Histogram Oriented Gradients and Linear Discriminant Analysis with Zero Shot Learning Algorithm for improving the results.

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