A Project Report on

Gait Based Authentication System

Submitted in partial fulfillment of award of

BACHELOR OF TECHNOLOGY

Degree in

Computer Science and Engineering

By

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CERTIFICATE

Certified Project that the entitled "GAIT **BASED** AUTHENTICATION SYSTEM" carried out by Vatsal Agarwal (1308210118), Vivek Kumar(1308210121), Vijay Bhasin(1308210119), Yash Agarwal(1308210123) supervision has been successfully completed. It is recommended that the candidates may now be evaluated for their project work by the committee.

Date:

Mr. Vikas Kumar Project Guide Associate Professor

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ABSTRACT

The purpose of this project was to develop a method for classifying cellphone users based on acceleration data. This paper presents a biometric user authentication based on a person's gait. Unlike most previous gait recognition approaches, which are based on machine vision techniques, in our approach gait patterns are extracted from a mobile device's accelerometer and evaluated against a machine learning model to identify person and compare various algorithms so as to obtain highest precision.