

G. Narayanamma Institute of Technology & Science

(For women)

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(An ISO 9001:2015 Certified Institution)

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FASHION ITEM DETECTION THROUGH ML

BY

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ABSTRACT

In this Project, we propose and address a new computer vision task, which we call fashion item detection, where the aim is to detect various types of fashion a person in the image is wearing or carrying. The types of fashion items we consider in this work include dresses and chappal. The detection of fashion items can be an important first step of various e-commerce applications for fashion industry.

Our method is based on state-of-the art object detection method which includes **MACHINE LEARNING**. Using pytorch and matplotlib methods we are classifying images in graphs. The approach investigates whether multiple CNN models can achieve higher classification accuracy than any individual model.

Two simple strategies for combining models are examined: Classification based on the average class probabilities of models, Using the mode class for prediction.

SYSTEM REQUIREMENTS:

SOFTWARE REQUIREMENTS:

Platform - Windows 10

Development Tool - Jupyter Notebook

HARDWARE REQUIREMENTS:

Name of the Processor – intel i5

Hard Disk Capacity – 1TB + 512 SSD

RAM Capacity – 8GB