

## ALGORITHMS FOR WEB AND INFORMATION RETRIEVAL

**PROJECT : FASHION RECOMMENDER SYSTEM**

**TEAM MEMBERS :**

NAME	SRN	SECTION
PRIYA MOHATA	PES2UG19CS301	E
PRIYANSH GAURAV	PES2UG19CS302	E
R SHARMILA	PES2UG19CS309	E
RITIK	PES2UG19CS332	E

**SYNOPSIS :**

A fashion recommender system that uses the concepts of deep learning and transfer learning [ ResNet ] and K-Nearest Neighbors along with cosine similarity or Euclidean distance. The recommender system would be deployed over a stream lit application , where the user would upload the image , and she/he would get the recommendations.

**TECHNOLOGIES USED :**

- StreamLit
- Tensorflow
- OpenCV

**SOFTWARE REQUIREMENT :**

- PyCharm IDE
- Python 3.9
- Keras
- Scikit-Learn

**EXPECTED OUTPUT :**

The user would receive the top 5 recommended images based on the user's input.