**G. Narayanamma Institute of Technology & Science**

(For women)

**(Approved by AICTE, Affiliated To JNTUH, Accredited by NBA & NAAC) (An ISO 9001:2015 Certified Institution)**

**Shaikpet, Hyderabad – 500 104**

**Department of Computer Science & Engineering**

****

**Pay It Forward**

**BY**

**Akanksha Srikanth (17251A0532)**

**Amulya T (17251A0534)**

**K Venkata Srihitha (17251A0542)**

**Internal Guide Head of the Department**

**Dr. A. Sharada Dr. M. Seetha**

**Professor Professor &HOD**

**ABSTRACT**

With a growing population, the poverty in our country is much more alarming than it was ever anticipated to be. Many a time, people are willing to give things to others for the better, but unfortunately this gesture does not go far enough. But with the power vested in us because of the Internet, we can make this happen ten times more through a portal where people can donate and people in need can attain the products. However, people in utter poverty cannot manage to do this. NGOs bridge this gap by obtaining the profits the donors earn, thereby raising funds. Pay It Forward aims to build a web application for NGOs with the ability to accept donations of different items from corporations or individuals and post them online for sale. Customers in need would buy these at a nominal price and choose an NGO for the payment to be made. In this way the funds are raised by selling the donated products and transferring that money to the selected NGOs.

Although the project completes full cycles of donating and purchasing products, we have come up with some more functionalities to make it more holistic by tying up some loose threads. Now, NGOs can also have their accounts. Transparency is planned to be attained through summary tables which provide all the transaction details. Upon successful completion of the transactions, notifications are sent to the concerned users on both ends with the required details. To enhance the capabilities of the admin, we would let the admin update the donors according to the trends and validate NGOs. To upgrade the feedback system, it is extended to the purchasers to rate them not just with a review, but with stars as well.

# SYSTEM REQUIREMENTS:

**Software Requirements:**

Operating system - Mac OS / Windows

Front-end - ReactJS, HTML,CSS

Back-end - MySQL, MySQL Work Bench

Middle-ware - Play Framework (Java 11, Scala)

Platforms - Intellij IDEA, Visual Studio Code, Postman

**Hardware Requirements:**

Name of the Processor - Intel core i5, M1

Hard Disk Capacity - 1 TB

RAM Capacity - 8GB