



## **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Course Code & Name : **20CS7503 & DESIGN PROJECT 3**

Year / Semester : **IV / VII**

Section : **C**

Batch Number : **07**

Title of the Project : **DATA DRIVEN DIGITAL WARDROBE FOR APPAREL MANAGEMENT**

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### **ABSTRACT**

The increasing use of mobile applications for lifestyle management has opened new possibilities for organizing personal belongings digitally. Clothing management, which is often unstructured and time-consuming, results in repeated outfit use, underutilized garments, and a lack of awareness about individual wardrobe patterns. The system allows users to add clothing by uploading images through URI-based storage and entering essential details such as color, type, and category. Developed using Android (Java), RecyclerView components, SQLite/Firebase storage options, and image handling techniques, the system ensures smooth item management, secure data retention, and efficient rendering of clothing images. The application architecture includes modules for item registration, data storage, wear-tracking, and usage analysis.

**Keywords:** Clothing Management, Image Based Store, Sustainable Fashion, SQLite / Firebase, Usage Optimization.