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**COLLEGE CODE:** 9504

**COLLEGE NAME:** DR.G.U.POPE COLLEGE OF

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**DEPARTMENT:**  CSE

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**ROLL NUMBER:**  950423104037

**DATE:**  22-09-2025

**COMPLETED THE PROJECT NAME-:**

PHASE 3

**TECHNOLOGY PROJECT NAME**

**To-Do List Application**

**SUMITTED BY:**

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**1.Project Setup**

React app created using create-react-app.

Folder structure organized (public/, src/).

**Main files:**

index.html → Root element.

index.js → Entry point for rendering the app.

App.js → Main component to handle core features.

**2.Core Features Implementation**

Developed essential functionalities needed for the MVP.

**Example:** Simple form to collect input and display it as a list.

Implemented with React hooks (use State, use Effect).

Ensures that users can add and view data interactively.

**3.Data Storage (Local State / Database)**

Used local state to handle dynamic data within the app.

Implemented localStorage for persistent data (so that data is not lost on page reload).

**Future scalability**: Can connect to real databases (Firebase, MongoDB, SQL).

**4.Testing Core Features**

Features tested in browser:

Input forms working correctly.

Data added to list successfully.

Data persists after reload.

Debugged using console log and React Dev Tools.

**5.Version Control (GitHub)**

Source code tracked with Git.

Steps followed:

Initialize repository → git init

Add and commit files → git add . , git commit -m "Initial MVP"

Push to GitHub → git push origin main

Ensures backup, collaboration, and version tracking.