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**Name:** Hassan Ali

**Intern ID:** TN/IN02/PY/012

**Email ID:** [hassanali2127294@gmail.com](mailto:hassanali2127294@gmail.com)

**Internship Domain:** Python Development

**Instructor Name:** Mr. Hassan Ali

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# Project Proposal

**Project Title:** Quotation & Invoice Data Entry System (Excel-Based)

## 1. Introduction

Businesses often require a simple, user-friendly solution for creating and storing quotations or invoices without the complexity of large accounting software. This project aims to develop a desktop application that allows users to enter company, product, and pricing details through an interactive graphical interface. The data will be saved directly into an Excel file, providing an easy-to-access and editable record.

## 2. Objectives

- To develop a **Tkinter-based desktop application** for invoice and quotation data entry.
- To store all entered data systematically in an **Excel file** for future use.
- To provide a simple and professional interface for non-technical users.
- To allow easy customization for multiple companies and document types.

## 3. Scope

The application will allow the user to:

- Enter **company details** (Name, NTN, GST).
- Select **document type** (Quotation or Invoice) and date.
- Add **item details** (Serial No., Description, Dimensions, Brand, Quantity, Unit, Price).
- Automatically calculate the **Total Price** per item.
- Save the data in an **organized Excel format** with headers and styling.
- Support multiple entries in the same Excel file.

## 4. Tools & Technologies

- **Programming Language:** Python
- **GUI Framework:** Tkinter
- **Excel Handling:** OpenPyXL
- **OS Compatibility:** Windows (can be adapted for Mac/Linux)

## 5. Features

1. **Interactive User Interface** for easy data entry.
2. **Excel integration** to save records.
3. **Automatic price calculations** to reduce manual errors.
4. **Predefined dropdown options** for company names, units, and document types.
5. **Reusability** — same Excel file can store multiple quotations/invoices.

## 6. Benefits

- **Time-saving** compared to manual Excel entry.
- **Error reduction** by automated calculations.
- **Professional record keeping** in a structured Excel format.
- **Customizable** for small businesses or freelancers.

## 7. Deliverables

- Python application script (.py file).
- Sample Excel file (data.xlsx) with test entries.
- Documentation (User Guide & Setup Instructions).

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