Students Details	
Module Name:	Electronics and Computer Architecture
Name of Lecturer:	Ms. Eranga Perera
Department:	School of Computing
Submission Due on:	23rd August 2023
Type of Coursework:	Group
Title of the Coursework:	Quantity Counter

Students Details :

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NATIONAL INSTITUTE OF BUSINESS MANAGEMENT
DIPLOMA IN SOFTWARE ENGINEERING/DIPLOMA
IN NETWORK ENGINEERING COURSEWORK ONE

ELECTRONICS AND COMPUTER ARCHITECTURE

PROPOSAL

SUBMITTED BY

S.A.S.Y. LEKAMGE	*088*
M.H.B.H.C. BANDARA	*094*
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Date of Submission: ……11/08/2023……………..

DECLARATION

Include separate declaration page below the above cover page

SUMMARY

Our proposal focuses on Quantity counter, which automatically counts the number of items that passes, without any human interaction**.**

CONTENT

1. **Introduction/ Nature of the project**
   The quantity counter system counts the items which passes through a sensor to make the process faster and without having errors. We can remove human interaction from the counting process through this quantity counter system.

2. **Technology**
   The Quantity counter uses a sensor to detect the passing items and make them count and storing the count of the total items passed and display the total.

3. **Duration of the Project**
   The project is estimated to be completed within 2 weeks.
   Start Date :- 2023/08/12.
   End Date :- 2023/08/26

4. **Objectives**
   - Develop a Quantity counter system with high precision and accuracy.

- Notify with the real time counting process.

5. Budget of the Project
 The estimated budget for the project is Rs. 8000/= (OVERALL)

6. Cost and Benefit Analysis
 - Research and Development
 - Sensor technology and components
 - System testing. (overall)

7. Expected outcomes of the project
 ● No need any human interaction for the process.
 ● Efficiency
 ● Less calculation errors

8. Conclusion
 The Quantity count project emphasizes the efficiency. If the counting process go through with the human interaction, the process will be slower. In large factories it is very useful to have a system like quantity counter to count the products / items. So, the process will be faster and there won't be any calculation errors.