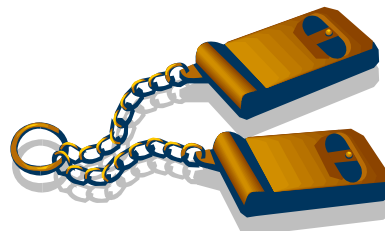
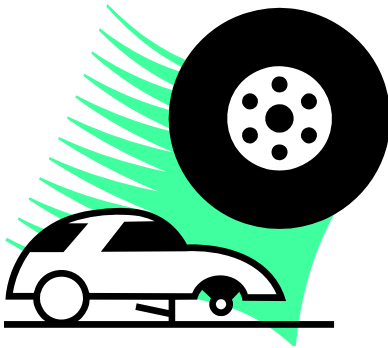
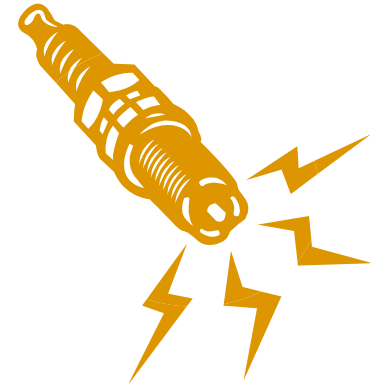


MIST401 Project Report

Gulf for Auto Spare Part (GASP)



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Introduction

- For many organizations, computerized information systems (IS) are now the heart of daily activities and a major consideration in decision makings. Without computerized assistance organizations will face difficulty in managing the work due to huge number of information.
- Therefore, the development of IS made revolution in business managing and have played a dominant role in improving of information economy and business strategy.

Objective

- The main objective of this project is to run the daily work smoothly and this required the proposed system to be reliable and efficient transaction management system.
- The system must be user friendly and at the same time powerful enough.
- It has the capability to save time, effort and to keep the entire information of a transaction to reproduce it whenever required.

Background

- Gulf for Auto Spare Parts (GASP) is Automobile spare parts retailer company. They purchase spare parts from four different global sellers in mass and resale to local customers.
- GASP deal with hundreds types of spare parts with different models and specifications, they sell about 40 to 50 spare parts per day. They have one large warehouse with three store keepers. They have five salesmen those receive customer order over the desk and pass the request to store keepers.

- GASP wish to have a computerized information system to organize the process of daily activity mainly updated reports about stock, daily sales..etc. in addition to save time and efforts and also minimize human error.

Current System

- So far GASP using paper system to manage the daily activity such as tracking the stock, order to suppliers, invoicing, transactions..etc.

The detail of daily activity is as follows.

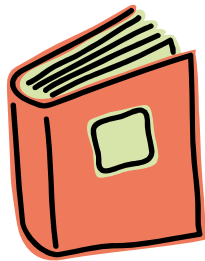
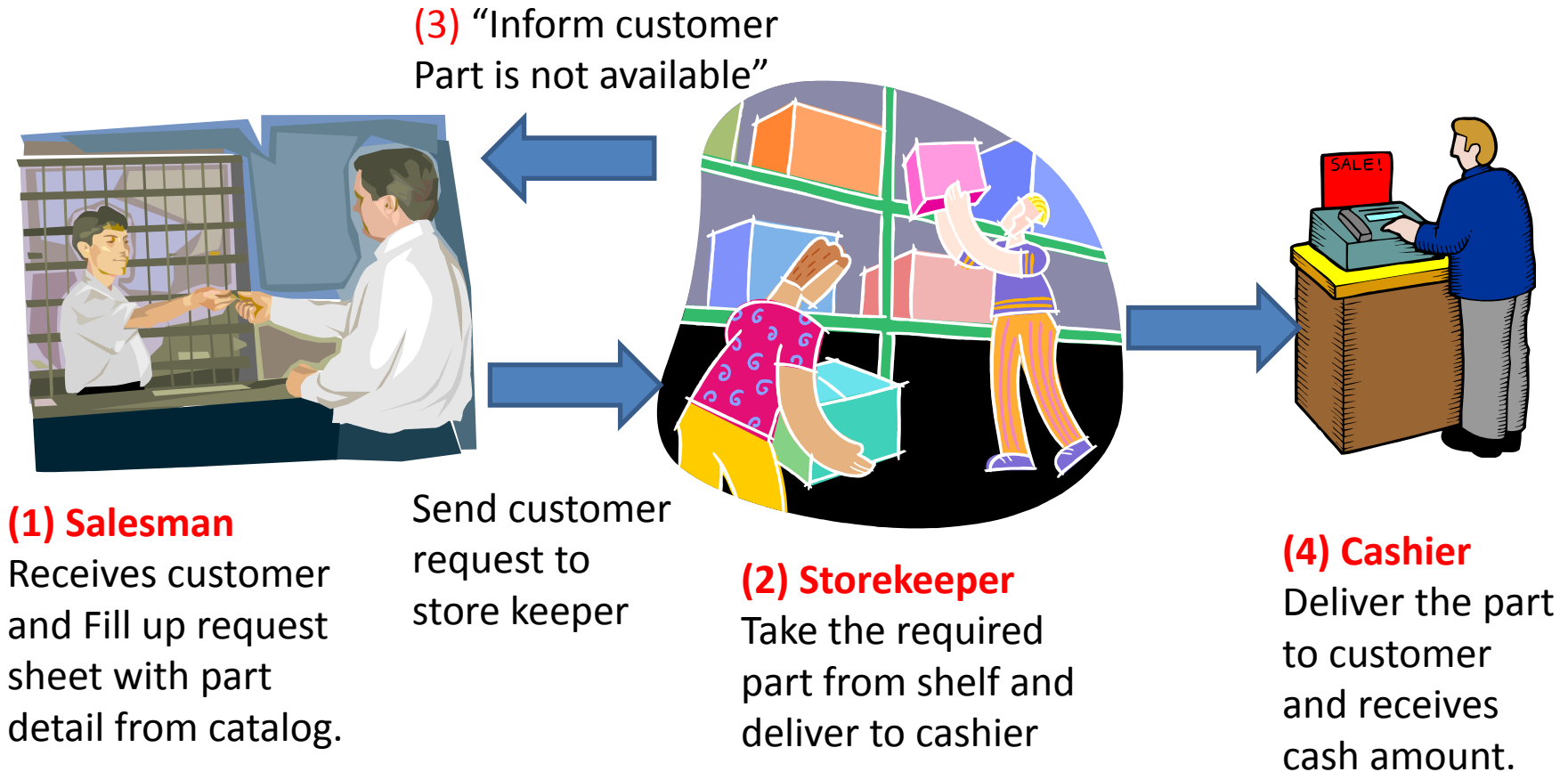
- Salesman receives the customer on desk and records the needed parts on request sheet and pass it to store keeper. A copy of request sheet will be handed over to customer.

- Store keeper to check the required part, identify the shelf location from warehouse index and deliver to the cashier who will call the customer based on request no. written on the request sheet.
- If the required part is out of stock, then storekeeper to inform the sales man who will convey the same to customer.
- Customer issue payment along with the request sheet and take the part.

- At the end of each working day, store keepers check the sold items and confirm the new data about parts availability in the warehouse and update the stock files accordingly.
- Supply department will review the stock files on the next day and issue purchase orders to suppliers to replace the sold items in the warehouse. A copy of the PO will be given to finance and to store keeper for shipping follow up.

- Storekeeper to receive the shipment and position each part in its shelf.
- Finance to receive supplier invoice and pass to storekeeper for approving before issue the payment.
- Finance department to make monthly and weekly reports for GASP Management about sales revenue and expenses.

Current Paper System (Part 1)



Current Paper System (Part 2)

(3) Storekeeper

Receive the shipment and position each part in its shelf.



(1) Storekeeper

End of day to check sold items and update stock file of available items and quantities.

(4) Finance

Receive supplier invoice and pass to storekeeper for approving before issue the payment



(5) Finance

Make monthly and weekly reports for Management about sales revenue and expenses.



(2) Supply Dept.

Review the stock files on the next day and issue PO to suppliers to replace the sold items.

New Computerized IS

- Salesman receives the customer on desk and enters the needed part information to the computer, the system generates request no. for customer.
- Storekeeper receives the request through the system in the warehouse, the system provides storekeeper with location of the requested part.
- Store keeper scans the part through barcode and deliver the part to the cashier who will call the customer based on request no. generated by the system earlier.
- Customer issue payment along with the request sheet and take the part.

- At each new working day Supply department will check the stock availability through the system and issue purchase orders to suppliers to replace the sold items in the warehouse. The system will notify both the finance and storekeeper for the issued PO.
- Storekeeper to receive the shipment and position each part in its shelf and update the system through barcode.
- Finance to receive supplier invoice and confirm the parts delivery through the system before issue the payment.
- GASP Management can access the system and view all updated finance reports related to sales revenue and expenses at any time.

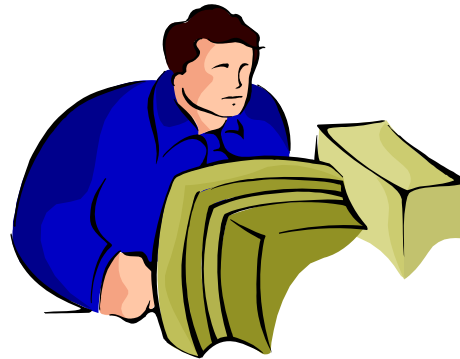
New Computerized IS (Part 1)



(1) Salesman

receives customer on desk and enters the needed part information to the computer

Find part no. through supplier database.



(2) Store keeper

receives the request through the system, the system provides storekeeper with location of the requested part.



(3) Scan the part through barcode and deliver the part to the cashier

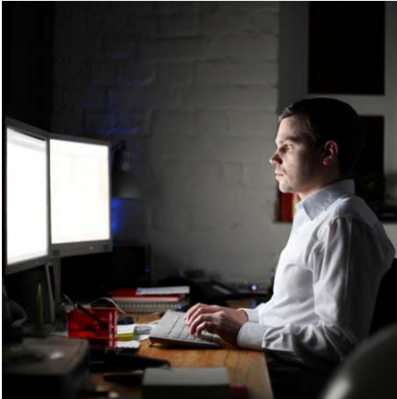


(4) Cashier

call the customer based on request no. generated by the system earlier.

Customer issue payment and take the part.

New Computerized IS (Part 2)



(1) Supply department
To check the stock availability through the system and issue P.O to suppliers to replace the sold items.



(4) Management
can access the system at any time and view all updated finance reports.



(2) Storekeeper
receive the shipment and update the system through barcode.

REPORT CARD				
GRADING PERIOD	1	2	3	4
READING	A			
WRITTEN COMMUNICATION	A			
MATHEMATICS	C			
SCIENCE/HEALTH	B			
SOCIAL STUDIES	B			
ART	A			
MUSIC	A			
PHYSICAL EDUCATION	C			
Grade Average	B			
Attendance:	Present	48		
	Absent	0		
	Tardy	1		
A = Excellent • B = Good • C = Satisfactory • N = Needs Improvement U = Unsatisfactory • I = Insufficient / Incomplete				
Student:		Grade:		Year:

(3) Finance
receive supplier invoice and confirm the parts delivery through the system before issue the payment.

Benefit of New IS over old Paper System

1. Economic view:

- The system minimizes the quantity of paper therefor reduces operation cost.



Minimizes time, effort by the employees and human error, both time and effort are money.

2. Social view:

Customer happiness because he will be served faster.

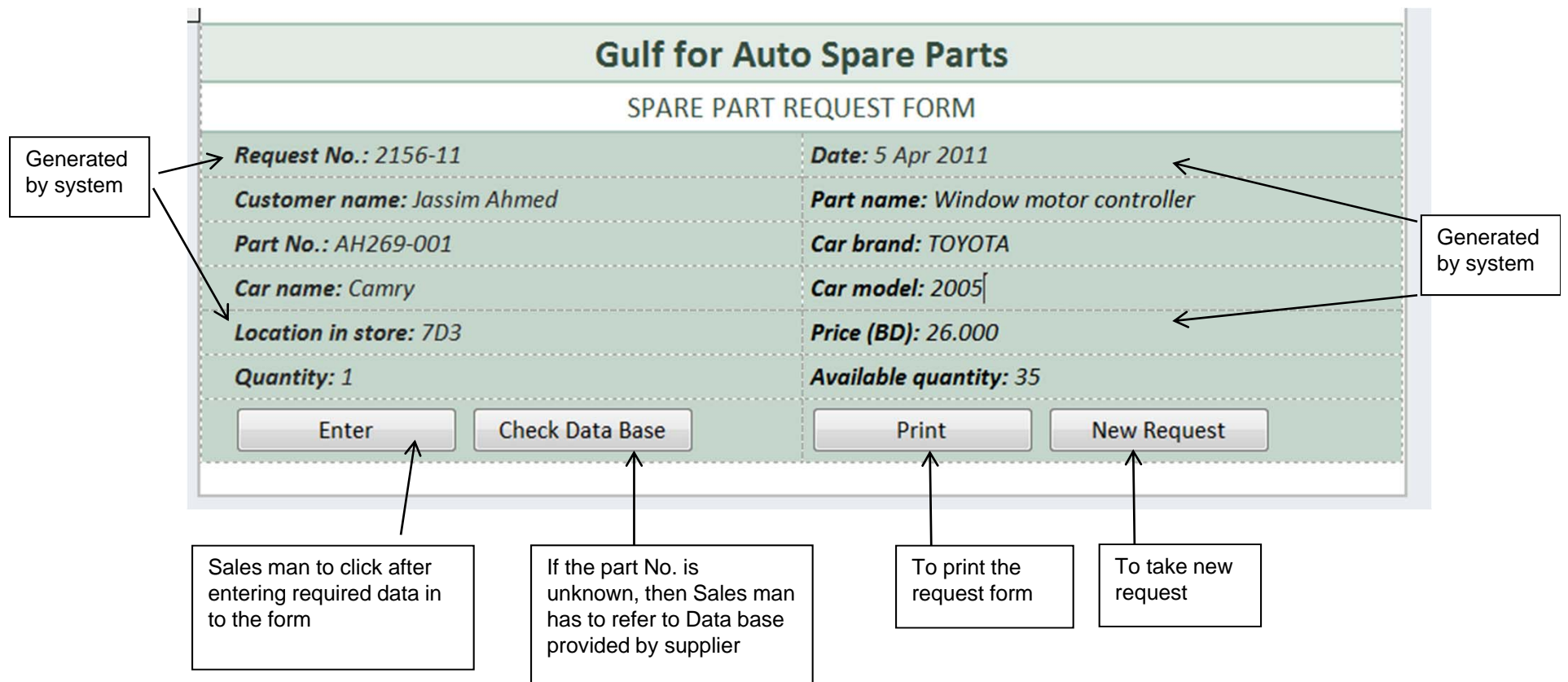


GASP Workers will spend less time and less effort in processing their assigned tasks, this will reflect positively on their health.

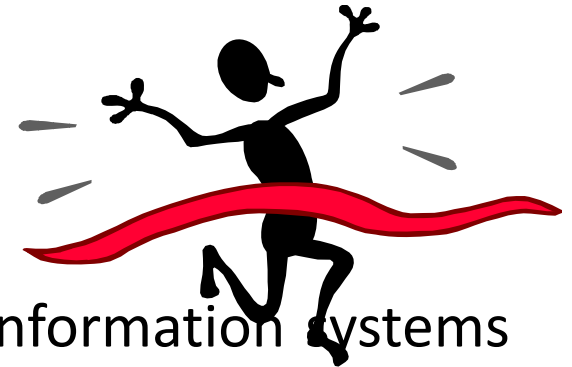
The new system also helps in improving the environment by reducing amount of paper.



User Interface



Conclusion



- As we have said in the introduction that information systems playing a dominant role in improving of business process and reflect positively on economic outcomes through organizing different tasks and minimizing the time and effort required to process the daily work.
- Through our project we have gone through GASP daily operation and we have seen how employees spend huge time and effort in daily work and possible human mistakes.
- However, by using Computerized Information System GASP Management able to achieve more profit via handling more customers as the new system minimizes the time of customer servicing.

Thank you

Any questions or comments?