

Consider the following scenario

1. Mr. Javed is a business man, selling mangos in a local shop. He is a popular face inside the town. Recently the shop rent raised high. Also because of his small warehouse he cannot stock the sufficient number of mangos. He wants to get rid of the shop and invest for online shop. He hires you to analyze the feasibility of this move. Now your task is to create a System Request for the new Information System required for Mr. Javed.

Example Answer

System Request for Online Mango Shop	
Project Sponsor	Mr. Javed
Business Need	<ul style="list-style-type: none">- Moving to online from offline- Get rid of physical shop costs- Reaching more customers- Manage inventory more efficiently- Getting customer feedback
Business Requirements	<ul style="list-style-type: none">- User should be able to login/register- User should be able to order mangos with/without login- User should be able to request mangos in advance- User should be able to pay online or cash in delivery- Manager should be able to add/edit/remove mangos- Manager should be able to view/accept/modify orders- Manager should be able to see the mango requests
Business Values	<ul style="list-style-type: none">- Increase of sale 500,000- Reduced shop rent 240,000- On side advertise 30,000- Customer ease of buying
Special Constraints	Mango season is coming in 3 months, the website needs to be ready before the 15 th of April

2. Considering the above scenario, now Mr. Javed needs to develop the cost value analysis for the new IS project. He wants at least 5 years economic analysis

Example Answer

Year	2020	2021	2022	2023	2024	Total
Development Server	100000.00					
Application development team salary	500000.00					
Software license	50000.00					
Printer	10000.00					
Total Dev cost	660000.00	0.00	0.00	0.00	0.00	
Hosting server	8000.00	8000.00	8000.00	8000.00	8000.00	
Domain name server	8000.00	8000.00	8000.00	10000.00	10000.00	
Maintenances	24000.00	24000.00	24000.00	30000.00	30000.00	
Marketing	15000.00	12000.00	8000.00	8000.00	8000.00	
Delivery man salary	20000.00	22000.00	25000.00	28000.00	32000.00	
Payment gateway	5000.00	5000.00	5000.00	5000.00	5000.00	
Total Operational cost	80000.00	79000.00	78000.00	89000.00	93000.00	
Profit rate	10%					
Total costs	740000.00	79000.00	78000.00	89000.00	93000.00	
PV of Total Costs	672727.27	65289.26	58602.55	60788.20	57745.68	915152.96
PV of all Costs	672727.27	738016.53	796619.08	857407.28	915152.96	
Increase in sell	200000.00	250000.00	300000.00	360000.00	440000.00	
Reduced shop rent	120000.00	120000.00	120000.00	120000.00	120000.00	
On site add	0.00	500.00	2500.00	8000.00	15000.00	
Total beenefit	320000.00	370500.00	422500.00	488000.00	575000.00	
PV of total benefits	290909.09	306198.35	317430.50	333310.57	357029.76	1604878.27
PV of all Benefits	290909.09	597107.44	914537.94	1247848.51	1604878.27	
Yearly Profit (Benefit - cost)	(420000.00)	291500.00	344500.00	399000.00	482000.00	
Yearly NPV	(381818.18)	240909.09	258827.95	272522.37	299284.08	689725.30
Cumulative NPV	(381818.18)	(140909.09)	117918.86	390441.23	689725.30	
ROI	44% 75%					
BEP	2.54					