

CSE471

System Analysis and Design

Assignment: 02

Submitted By

Shoaib Ahmed Dipu

Student ID: 17101482

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Avoignment 2 NO.01

54 rotern Request For Employee Management System

Project Spornon MM. Edward

Business Need

(i) Managing the employees in a better way.

(iii) It is needed to better measure, analyze and manpige employeds working howrs and deploy human Mesomas more effectively. (iii) It is needed to manage complex employee scheduling one

phoseet management (iv) 70 got the most out from

this employees.



Ousines Requirements

(4) Different Lockin system forth

At Managor & Comploser

(2) It whould be able to

Calculate valory, increment,

bonus and annual apphisal

for the employers in automated

Phocus.

to any approval of monager in automated pround.

(Sh) It should be only to digitize and autom the employer leaves and phusical resources allocation requests. Employers an und reasons.

Dusiners
Requirements
(continued)

a approval who employers can approve the realistic with a single click and by opening in a approval who employees can along them.

(v) managor can add Remphyse, add no program and can evaluate the project portermance of a employer.

(V) Employers should be able to subject:

Vii) A teader booked of Employee
Pertonmana hasto be those
to encourage the employee to
Pertonm better nothat they can
receive bonus payment.

Business Valens:

- (i) Earl of employer reasonment has immerre
- (iii) Increase of productivity
 Which and tead to increase
 in rate of 10,00,000 Bot.
 - the data more efficiently from the EMD, they don't aced to hime 3hd party which has reduced a cont of 2,00,000 but monthly.
 - (ii) \$\omega Maintenance cont got Heduced by 1,00,000 Batt per month.

Special Constraints

(ii) EMB nottwore has to be more used friendly.

(32) If it also not built in what friendly was the training court can train high.

(iii) It needs to be hosted in cloud server as the number of employee and whose is quite high.

M0.02

The Fields of Conta:

(i) Development Control

- SONVOT
- Development Labor
- 50 Athare Liname
- Phinter

(ii) operational control

- Operational Labor
- Hosting Genret
- D'igital Payment Gradeway.

Fields of Besefits

- Inouan in Sella
- Reduced cost of manual Data Analysis
- Reduced cost of manual WOHRs.

NO.032 NO.04

Yeort	2020	2021	2022	2023	Tota)			
alevelopment								
194100	2,50,000			:				
alevelopment Labor	1000000		SUCTION OF THE AMERICAN TO THE MANAGEMENT OF THE SECOND OF					
Softwar Lincoln	30000				en 13. july 2 – 2019. ride et na krimani musik musik musik musik			
peral pothnar	10000	and the second s						
Printer	20000	i de la companya de						
70 tal alevelopment Const	1310000	0.00	0.00	0.00				
apportational Contra								
Operational Labor	100000	100000	100000	100000				
Hosting Soval	25000	25000	25000	25000				
Olottal Payment Gradeway	50000	50000	50000	50000				
Total Operational	175000	175000	175000	175000				
Total Contro	485000	175000	175000	175000				
PHOFIT Rate	:	·						
PV of Total	1414285	1587301	151171.	143972	1868/60			
PV of All Conta	144285	1573015	1724187	1868160				

				_			
Year	2020	2021	2022	2023	Total		
benefits					,		
InoughIn	500000	600000	70000	80000	÷		
Reduced Control angrual Slata Andria	200000	200000	250000	250000	and the second s		
Reduced cost of manual works	150000	150000	20000	20000			
Total Conefito	850000	950000	1150000	250000			
PV of Total its	809523 18095	861678	993413	1028378	3692993 145		
Profall Benefits	809523 18095	and the state of the second state of the secon	2664619 105 2	3692993 145			
		and the second s					
Yearly Profit (Benefit-Cort)	(635000)	775000	975000	1075000			
Yearly NPV	(604761	And the state of t	842241 ·6 5 86	884405	1824832		
Cumulative APV	(604761	98185.941	940427.6	1824832,			
ROI							
BEP							

The above calculations to find out RUI and BEP have been done by following Discounted Cash flow Method.

Calculation details of finding out Rol and BEP:

Generalized Formulato find out present Value

(PV) of anything, PV =

(It Interest Rate)

or equals the number of years, Portions.

Yearly NPV = PV of Total Benefito-PV of Total Contro. Cumulative NPV = PV of all Benefito-PV of All Contro.

We know, Generalized Formula to calculate ROI,

ROI = Total Benefit-Total cont

Total Cont

FOH OWY Care Curing dincounted can flow method, then formula terms to,

ROI = Profall Benefits - Profall contra

- 3692993.145-1868160.386 - 1868160.386

= 0.97681

= 97,68%

PIJO

Live Know, Gunaralized formula to calculate BEP, BEP = Humber of That years not conflow - Completive Can Figure That year's net contiflow. can flow FOR OWN CON, Using discounted coush flow method, their formula turns to, Yearly NPV of 2021 - Cumulative NPV DEP = Years +. 04221 Yearly MPV of 2021 NPV is regatin $=1+\frac{702947.8458-98185.941}{702947.8458}$ = 1+0.8603225807=1.8603225807 21.86 years.