

Economic Feasibility

	2022	2023	2024	2025	Total
Total benefits		2,501,920\$	5,002,880\$	15,003,840\$	22,508,640\$
Total costs	660,158\$	188,134\$	198,230\$	248,326\$	1,294,848\$
Net benefits	(660,158\$)	2,313,786\$	4,804,650\$	14,755,514\$	21,213,792\$
Cumulative net cash flow	(660,158\$)	1,653,628\$	6,458,278\$	21,213,792\$	

$$\text{Return on Investment (ROI)} = \frac{22,508,640\$ - 1,294,848\$}{1,294,848\$} = \frac{21,213,792\$}{1,294,848\$} = 16.38\%$$

$$\text{Break-Even Point (BEP)} = 0 + \frac{2,313,786\$ - 1,653,628\$}{2.313,786\$} = 0.28 \text{ years}$$

	2022	2023	2024	2025	Total
Total benefits		2,501,920\$	5,002,880\$	15,003,840\$	
PV of total benefits		2,156,827\$	3,849,553\$	10,127,164\$	16,133,544\$
Total costs	660,158\$	188,134\$	198,230\$	248,326\$	
PV of total costs	660,158\$	165,029\$	152,531\$	167,613\$	1,145,331\$

Net Present Value (NPV) = 16,133,544 – 1,145,331 = 14,988,213\$ (NPV > 0 so our project is acceptable)

	2022	2023	2024	2025	Total
Benefits					
Increased sales		2,500,000\$	5,000,000\$	15,000,000\$	22,500,000\$
advertisements		1920\$	2880\$	3840\$	8640\$
Total benefits		2,501,920\$	5,002,880\$	15,003,840\$	22,508,640\$
Present Value Total Benefits		2,156,827\$	3,849,553\$	10,127,164\$	16,133,544\$
Development costs					
3 servers	345,000\$	0	0	0	345,000\$
Server software	13,375\$	0	0	0	13,375\$
System AI	300,000\$	0	0	0	300,000\$
Android devices	1783\$	0	0	0	1783\$
Total development costs	660,158\$	0	0	0	660,158\$
Operational costs					
Software license		52,417\$	52,417\$	52,417\$	157251\$
Salaries		35,500\$	35,500\$	35,500\$	106500\$
Technical support for AI system		36,000\$	36,000\$	36,000\$	108000\$
Debug fixing & updates		24,000\$	24,000\$	24,000\$	72000\$
Account for play store		25\$	25\$	25\$	75\$
PayPal		40,192\$	50,288\$	100,384\$	190,864\$
Total operational costs		188,134\$	198,230\$	248,326\$	634,690\$
Total costs	660,158\$	188,134\$	198,230\$	248,326\$	1,294,848\$
Net benefits	(660,158\$)	2,313,786\$	4,804,650\$	14,755,514\$	21,213,792\$
Cumulative net cash flow	(660,158\$)	1,653,628\$	6,458,278\$	21,213,792\$	
Return on investment	16.38%				
Breakeven point	0.28 year				
PV total costs	660,158\$	165,029\$	152,531\$	167,613\$	1,145,331\$
NPV (PV total benefits – PV total costs)					14,988,213\$

Costs and benefits for economic feasibility

Development costs	Operational costs
<ul style="list-style-type: none">✓ 3 servers✓ Server software✓ System AI✓ 5 Android devices (Samsung,oppo,Xiaomi,Realme,+1)✓ Purchase software license✓ Consultant fees✓ Development team salaries✓ Fees of account for google play	<ul style="list-style-type: none">✓ Software licensing fees✓ Operational team salaries✓ Technical support for AI system✓ Debugging fixing and updates✓ Pay Pall fees

Tangible and Intangible Benefits

Tangible Benefits	Intangible Benefits
<ul style="list-style-type: none">✓ Increased sales✓ Better supplier prices✓ Reductions in IT costs	<ul style="list-style-type: none">✓ Increased market share✓ Higher-quality service✓ Better supplier relations✓ Improved customer service