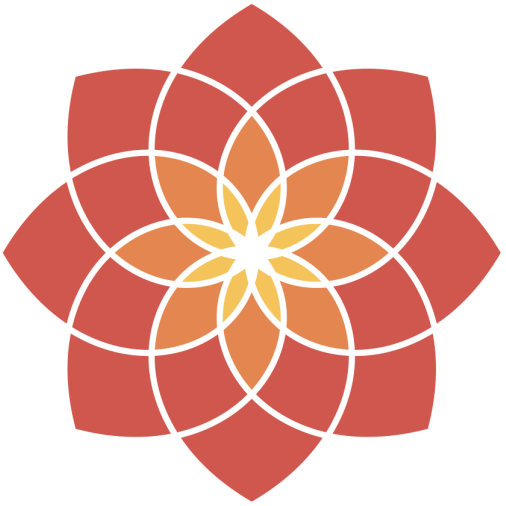

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avantika
UNIVERSITY

BBA 4th Sem

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Assignment 2

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QUESTION 3 SOLUTION

Brief Description about the current scenario:

While electric mobility is a challenge due to lack of adequate charging infrastructure in most Indian cities, hindering the widespread adoption of EVs, the electric mobility industry faces uncertainty due to complex and evolving regulations regarding EVs, which could affect market access and business models.

Impact of the scenario:

Changing regulations pose challenges for startups like Eco Wheels in terms of compliance, product certification and business processes. There is also confusion about EV systems among consumers. Inadequate charging infrastructure makes EVs less convenient and profitable, affecting consumers' willingness to switch from conventional vehicles. It directly affects the growth potential of startups like Eco Wheels.

Managing these risks involves proactive engagement, strategic alliances, and flexibility in adapting to regulatory changes, ensuring Eco Wheels navigates these challenges effectively within the dynamic electric mobility landscape.

QUESTION 5 SOLUTION

Scheduling Sequence: **1 > 2 > 4 > 3**

Machine 1:

0 ------- 3 ------- 7 ------- 15 ------- 21
1 2 4 3

Machine 2:

0 ------- 3 ------- 8 ------- 15 ------- 18 -------21 ------- 23
ST 1 2 4 ST 3

Total Slack Time = 6 Minutes

QUESTION 4 SOLUTION

Initial Investment (X) = Rs. 1,000,000
Life of the project (n) = 5 years
Tax rate = 25%
Depreciation per year = Rs. 200,000
Fixed Costs per year (Y) = Rs. 150,000
Variable Costs per unit (Z) = Rs. 50
Number of units manufactured per year (M) = 10,000
Selling price per unit (W) = Rs. 100
Discount rate (r)/PV factor = 10%

Calculating NPV:

Investment = 10,00,000
\- Variable Cost = 50,00,000

Contribution = 50,00,000
\- Fixed Cost = 1,50,000

EBTBD = 3,50,000
\- Depreciation = 2,00,000

EBTAD = 1,50,000
\- 25% Tax = 37,500

EATAD = 1,12,500
\+ Depreciation = 2,00,000

EATBD = 3,12,500

Years	Rate	PV Factor	New Rates
1	3,12,500	0.909	2,84,062
2	3,12,500	0.826	2,58,125
3	3,12,500	0.751	2,34,687
4	3,12,500	0.683	2,13,437
5	3,12,500	0.620	1,93,750

NPV After 5 years: 11,84,061

Calculating Payback Time for 10,00,000 Rs

Years	Rate	Compound Rate
1	3,12,500	3,12,500
2	3,12,500	6,25,000
3	3,12,500	9,37,500
4	3,12,500	12,50,000
5	3,12,500	15,62,500

62,500 / 3,12,500 * 12 = 2.4

Payback Time = 3 Years, 2 Months & 12 Days

❖ **We Will Accept This Project**

QUESTION 2 SOLUTION

The CRM System Implementation Should Involve:

Technical Feasibility:

- Hardware and Software Requirements: Assess the existing IT infrastructure and determine if it can support the CRM system. Identify any necessary upgrades or additional hardware/software.
- Integration Capabilities: Analyze the compatibility of the CRM system with existing software and systems (e.g., inventory management, accounting). Determine if seamless integration is possible.
- Scalability: Evaluate whether the CRM system can accommodate future growth and increased data loads.
- Data Migration: Assess the feasibility of migrating data from the old system to the new CRM. Identify potential challenges and data cleansing requirements.

Operational Feasibility:

- Business Process Analysis: Conduct a thorough analysis of current business processes. Identify areas where the CRM system can streamline operations and improve efficiency.

- User Acceptance: Address resistance by conducting surveys or workshops with team members to gauge their willingness to adapt to the new technology. Identify training needs.
- Change Management: Develop a change management plan to facilitate a smooth transition. Identify potential challenges in employee training and adoption.
- Project Management: Evaluate the feasibility of managing the project within the specified timeline and budget. Identify potential risks and mitigation strategies.

Financial Feasibility:

- Cost-Benefit Analysis: Calculate the total cost of CRM system acquisition, implementation, and maintenance. Compare this with the expected benefits such as increased sales, improved customer satisfaction, and cost savings.
- Return on Investment (ROI): Determine the expected ROI over a defined period. Consider both quantitative (revenue increase, cost reduction) and qualitative (customer satisfaction) factors.
- Funding Sources: Identify potential sources of funding, including whether external financing or grants may be available to support the project.
- Payback Period: Determine how long it will take for the company to recoup its initial investment through the CRM system's benefits.

QUESTION 1 SOLUTION

		Livelihood			
		INSIGNIFICANT	MINOR	MODERATE	MAJOR
IMPACT	RARE		**Regulatory Changes**		
	UNLIKELY				**Economic Recession**
	POSSIBLE			**Interest Rate**	
	LIKELY				**Cyber threat**