COEPD – Traditional Development

Capstone Project 1 - **Online Agriculture Store**

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**Question No 1**

**Identify Business Process Model for Online Agriculture Store – (Goal, Inputs, Resources, Outputs, Activities, Value created to the end Customer)**

Business process modeling is the representation of a company’s business processes or workflows as a means of identifying potential improvements.

**Goal** :-

1) Online Agriculture store for farmer buy fertilizers, seeds and pesticides and manufacturing company sales farmer requirement needs.

2) To establish direct communication between farmers and manufacturers without any intermediary agents

**Inputs,**

1)Resources who manage admin work, call answering, and do service part.

2) Listing products from manufacturers on the platform - (seeds, pesticides, and fertilizers.)

**Resources:-**

1) Farmers, Fertilizers, seeds, Pesticides, Manufacturing company

2) Machines, Net connection Networks, Hardware, Delivery services

3) IT Team, Develper Team

**Output :-**

Increase the sales of fertilizer, seeds and pesticides and manufactures

**Activity : -**

1) Farmer buy fertilizer seeds and pesticides manufactures sales the farmer requirement.

2) Online payment received and Delivery team deliver the product on time.

3) Customer support resolve the product delivery issue and payment.

**Question 2**

**Mr. Karthik is doing SWOT analysis before he accepts this project. What Aspects he Should consider as Strengths, as Weaknesses, as Opportunity and as Threats.**

**Strengths: -**

1)Strong stake holders with higher wish to completed the project

2)Strong demand and supply requirement.

3)Project is funded by stakeholder huge amount (2cr )

4)Monopoly business in remote area no agriculture stores.

**Weakness:**

1)Farmers are living in remote area may be chance of internet connectivity issue.

2)May be farmer are not user-friendly online buy products.

**Opportunity: -**

1)Potential market for remote area

2)This is 1st project hence increase the company reputation in the market after the success the project.

3) This is monopoly business for remote area.

Threats -

1) No Internet connectivity at the buyer's end.

**Question:-**

Mr Karthik is trying to do feasibility study on doing this project in Technology (Java), Please help him with points (HW SW Trained Resources Budget Time frame) to consider in feasibility Study.

**Answer -**

For completion of this project, we need 2 people in hardware requirements.

7 people will be involved in the software requirement of the project which includes the testing part of it.

Apart from these hardware and software requirements, we have PM and BA who are extending their support for successful project submission in the given timeline.

The offered budget of 2cr seems to be sufficient for the project.

The timeline given for this project is 2 years and can be completed successfully.

**Question:-**

**Mr Karthik must submit Gap Analysis to Mr Henry to convince to initiate this project. What points (compare AS-IS existing process with TO-BE future Process) to showcase in the GAP Analysis**

**Answer -**

AS-IS existing process -

Farmers visit the nearest store to procure/buy required Agricultural products (seeds, pesticides, and fertilizers.).

But most of the time required products were not available at the store and farmers faces difficulty in their day-to-day work.

Thus, the farmers are facing issues in terms of time, money, and the number of efforts they are investing in their basic farming requirements.

TO-BE future Process -

After successful completion of the agricultural product, the online store application farmer will log in on the website/app and browses his requirement through products listed by manufacturers and suppliers. (Seeds, pesticides, and fertilizers). A farmer will add a product to the cart or gives a call to a support number to place an order. The farmer provides necessary details like Address, quantity, and payment method. products will get delivered by delivery services within a week.

Farmers will be able to use the saved time, money, and energy in focusing their main task of farming and gaining optimum output from their farms.

**Question :-**

**List down different risk factors that may be involved (BA Risks And process/Project Risks).**

BA Risks

1) Improper Project Planning

2) Incomplete requirements gathering.

3) Stakeholders are not able to provide the proper requirement.

4) Frequent changes in requirements from the client side

process/Project Risks

1) The project does not align with stakeholder expectations.

2) Employee turnover, including key team members leaving projects.

3) May the same project or application already have published by the competitor.

4) Getting requirements from the farmer/Client which are practically impossible to provide.

5) Scope creep, a project may not be possible to complete.

**Question :-**

**Perform stakeholder analysis (RACI Matrix) to find out the key stakeholders who can take Decisions and Who are the influencers.**

**Answer :-**

Project sponsor -Mr. Henry

Financial head -Mr. Pandu

Project coordinator -Mr. Dooku

Key Stakeholders- Peter, Kevin, Ben

Delivery Head -Mr. Karthik

Project Manager - Mr. Vandanam

Senior Java Developer - Ms. Juhi

Java Developers - Mr. Teyson, Ms. Lucie, Mr. Tucker, Mr. Bravo

Network Admin - Mr. Mike

DB Admin - Mr. John.

Testers - Mr. Jason

Ms. Alekya

BA – You (Divyansh Chand )