SHRI VILEPARLE KELAVANI MANDAL'S
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING
(Autonomous College Affiliated to the University of Mumbai)
NAAC ACCREDITED with "A" GRADE (CGPA : 3.18)

Experiment No. 8

Date of Performance: 30/05/2022 **Date of Submission:**

DIV: A **Batch: A4**

Team Members:

Name:	**SAP ID:**
Dhruvi Jodhawat	60004190032
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Aim: To create a RMMM plan: Create risk assessment template for a case study

Performance:

1. **Identify Risks**
    a. Refer to the Risk Identification Checklist to be identify the risk
        i. Business Impact Risks

1.Late Delivery:

- Description: Due to multiple testing stages, unprecedented challenges and certain failures we might not be able to meet the scheduled deadlines, thus our project would go off schedule.
- Probability: 30%
- Impact: 1
- Mitigation: Build a timeline to ensure all workers are working in adherence to that time line, prioritize tasks and divide work force and resources efficiently.
- Monitoring: Use metrics to evaluate work completed every day, make projections to find out if we are on schedule or off. Ensuring tasks are completed in stipulated time before meeting.
- Management: If we are found to be off schedule, make a new schedule, prioritize tasks, divide the work force in a revised manner, a lot people to work on incomplete tasks and others to develop the upcoming planned features.

2. Increase in Project Size:
   - Description: With every meeting, the changes suggested and additional features to be implemented could result in a large and complex project.
   - Probability: 10%
   - Impact: 1
   - Mitigation: Prepare a starting plan accounting for all additional features that could be implemented in the near future, make a project size estimation keeping in mind all features.
   - Monitoring: With every meeting, keep record of new features that have to be added and divide the work force, one that focuses on the new features while the remaining can continue to work on the existing features.
   - Management: If already found that the project has become very large and complex, get an additional work force to ensure we can meet the deadline on time and at the same time we can implement all features.

ii. Technical Issues:

1.Poor data pre-processing:
   - Description: In case of faulty data pre-processing some outliers may be left back. Model will not be able to achieve desired accuracy and the whole project will fail.
   - Probability: 20%
   - Impact: 2
   - Mitigation: Ensure data is pre-processed properly, check and recheck to make sure data is free from noise and outliers.
   - Monitoring: Descriptive Data analysis will show in case any outliers are left back or if there is any noise. In case of such a scenario, refine data immediately.
   - Management: During training of the model if we encounter abnormalities, immediately stop training revisit the data set and find discrepancies that might have caused the anomalies

iii. Development Environment Risks

1.Incompetent Team Members:
   - Description: Team members might not be up to date with new technologies and are lethargic
   - Probability: 30%
   - Impact: 4

- Mitigation: Ensure to pick the best team members
- Monitoring: Ask the team members to report weekly about their progress and encourage them to learn new technologies.
- Management: Try to see if a new team can be formed if the current team members are not willing to improve.

2. **Prepare Risk Table by identifying potential risks and categorizing their impacts as follows**

   Impact Values:

   1 – Catastrophic
   2 – Critical
   3 – Marginal
   4 – Negligible

   Risk Table

Risks	Category	Probability	Impact
Insufficient Data	TR	70%	1
Late Delivery	BU	30%	1
Increase in Project Size	PS	10%	1
Technology will not Meet Expectations	TR	25%	1
End Users Resist System	BU	20%	1
Changes in Requirements	PS	20%	2
Poor Data Pre-Processing	PR	20%	2
Lack of Database Stability	TI	40%	2
Poor Quality Documentation	BU	35%	2
Deviation from Software Engineering Standards	PI	10%	3
Poor Comments in Code	TI	20%	4
Poor quality members in team	SE	30%	4

3. **Create a Risk Mitigation, Monitoring and Management plan for the Risks identified in the Risk Table**

   RMMM plan

RISK INFORMATION SHEET			
RISK ID: P01-82	Date: 25/05/18	Prob: 80%	Impact: High
Description: Due to insufficient or false data available online, many users are facing problems due to inaccurate recommendations.			
Refinement/context: Sub Condition 1: People are not geotagging or geotagging incorrect locations in their social media images. Sub Condition 2: Local Authorities are not correcting any inaccuracies in the data extracted from the internet. Sub Condition 3: People are not publicly posting images over the internet.			
Mitigation/monitoring: 1. Image analysis and prediction based on location image, geo-tagging based on image. 2. Getting regular updates from local authorities by contacting them regularly. 3. Finding alternative social media sources or encouraging people to post images via campaigns or travel advertisments.			
Management/contingency plan/trigger: 1. Purchase data from online sources. 2. Get into a profit-sharing agreement with the local authorities based on the quantity if data is updated. 3. Get into a profit-sharing agreement with travel influencers.			
Current status: 30/05/22: Mitigation steps initiated			
Originator: Junaid Girkar		Assigned: Harvy Gandhi	