Project Initialization and Planning Phase

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| Date | 25 May 2025 |
| Student Name | Rohit Ananda Mahadik |
| Project Name | Restaurant Recommendation system |
| Maximum Marks | 3 Marks |

Problem Statements (Restaurant Recommendation system):

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| **PS**  **No.** | **I am (Customer)** | **I’m trying to** | **But** | **Because** | **Which makes me feel** |
| **PS- 1** | A tourist in a new city | Find good local restaurants | I don’t know the area well | I lack local  knowledge or reviews | Confused and unsure of where to eat |
| **PS- 2** | A vegetarian diner | Get recommendations for veg-only restaurants | Most apps show mixed cuisine places | I want strict dietary options | Frustrated and unsupported |
| **PS- 3** | A restaurant owner | Attract more customers through recommendation  platforms | My restaurant is not being recommended  often | The system doesn’t promote new or small businesses | Invisible and discouraged |
| **PS- 4** | A student on a tight budget | Find affordable but tasty restaurants | Expensive options are shown first | Filters don’t prioritize price or value | Overwhelmed and discouraged |
| **PS- 5** | A delivery app user | Get suggestions based on past orders | It doesn't adapt to my taste | The system lacks learning | Frustrated by repetition |

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| **PS- 6** | A parent of young kids | Find kid-friendly and hygienic restaurants | No way to filter for child-friendly | Lack of safety and family-focused features amenities | Anxious about experience |
| **PS- 7** | A small restaurant owner | Increase customer footfall via platforms | My business is buried under chain listings | Ranking algorithms favor large brands | Discouraged and invisibleguide |

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| **PS- 8** | A new-in-town resident | Explore culturally diverse food  options | Unaware of  hidden gems in my area | No cultural/ethnic tags or user reviews | Disconnected and  bored of same cuisine |
| **PS- 9** | A food delivery platform analyst | Monitor food safety and restaurant quality | Can’t verify ingredient safety  from menus | Platforms lack AI food item scanners  or trackers | Concerned about consumer trust |
| **PS- 10** | A data scientist | Analyze food trends from  reviews | Datasets are messy, biased, or unavailable | Lack of structured sentiment and metadata | Blocked in model building and research |
| **PS- 11** | A foodie traveler | Find top-rated local restaurants in new cities | Recommendations don’t match my taste or location | Generic, irrelevant suggestions | Frustrated and unsure where to eat |
| **PS- 12** | A restaurant owner | Improve my  visibility on food apps | My reviews are  outdated or low- rated | I can’t easily respond or update info | Powerless and misrepresented |
| **PS- 13** | A health- conscious customer | Find healthy eating options nearby | Menus and calorie info are missing | I can’t make informed decisions | Disconnected from my health goals |
| **PS- 14** | A  healthconscious | Track the health benefits of different | I can’t  identify what’s | There’s no easy app  for instant scanning | Disappointed and disconnected from my health goals |