

Project Initialization and Planning Phase

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| Date | 21 july 2025 |
| Student Name | Prathmesh Arvind Kumbhar |
| Project Name | Restaurant Recommendation system |
| Maximum Marks | 3 Marks |

Problem Statements (Restaurant Recommendation system):

| PS No. | I am (Customer) | I'm trying to | But | Because | Which makes me feel |
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| 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 kidfriendly and hygienic restaurants | No way to filter for childfriendly | Lack of safety and familyfocused 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- 13A | 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 |

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| PS- 14 | A healthconscious individual | Track the health benefits of different mushrooms | I can't identify what's in the store or dish | There's no easy app for instant scanning | Disappointed and disconnected from my health goals |
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