**FYP Proposal Guidelines**

Please carefully and thoroughly read given below before writing your own FYP proposal. Every proposal will be evaluated based on the benchmark set by these guidelines.

**1: Novelty of the Project**

Our Projecty stands out because it brings a fresh a user friendly approach to trip planning the website will introduce innovative features making the booking process enjoyable the novelty lies in providing users with a unique and efficient way to plan their entire trip.

**2: Scope and Applicability**

The scope of trip lanner website is that it is great for planning vacations or work trips. It helps everyone from families to solo travelers you can easily book everything in one place the website is super useful for all kind of trips.

**3: Technical Complexity**

**User Interface (UI) Design:** *The users to easily navigate through various features of the website through amazing visuals.*

**Database Management:** *Implementing a robust database architecture to efficiently manage a large volume of data, including hotel listings, restaurant details, user profiles, reviews, bookings.*

**Integration with External APIs:** *Integrating with various external APIs (Application Programming Interfaces) to retrieve real-time data from third-party services such as hotel booking platforms, restaurant reservation transportation providers.*

**Performance Optimization:** *Optimizing website performance to ensure fast loading times, smooth navigation, and efficient data retrieval.*

**Testing and Quality Assurance:** *Conducting thorough testing and quality assurance (QA) procedures to identify and fix bugs. verify the functionality of features such as search, booking, payment processing, and user authentication.*

**4: Amount of Work Required**

Making the trip planner website will take some time and effort we need to plan how it will look and what it will do. Testing I s important to make sure everything works like it should, it will be step by step but in the end result will be super cool

**5: Usefulness**

These websites provide comprehensive information about various aspects of travel, including hotels, restaurants, attractions, transportation options, and more. Users can access reviews and ratings from other travelers, providing valuable insights into the quality and reputation of hotels, restaurants, and attractions.

**6: Learning Outcomes**

We will get to know about how our project will encompass through the software development lifecycles we will also explore Ui design, Apis-integration, database-management,  performance, optimization and testing



Final Year Project Proposal

For probably the first time in your undergraduate/graduate program, you are required to defend a proposal of a larger project. In teams, you will be working on the common project but individual team members will be required to take on responsibilities for specific work for which each will be held accountable. Interaction, collaboration and assistance are allowed and expected, but each person will receive an individual mark/grade for his/her work performed in the project.

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| *Write down the brief project topic, the title should not be confusing.* | |
| **PROJECT TITLE:** | Trip planner |
| **KEY WORDS:** |  |
| **DOMAIN OF THE PROJECT:** | Domain of the trip planner project revolves around travel and hospitaility |
| **SUPERVISOR’S NAME:** | Miss Mahnoor Iftikhar |

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| **STUDENT INFORMATION**  *Write down the detail of all group members in BLOCK LETTERS ONLY.* | | | |  |
| *Sr.* | *Student ID* | *Name* | *Email* | *Mobile* |
| 1. | SP23-BSCS-0014 | Aina Yaseen | Sp23bscs0014@maju.edu.pk | 03143252029 |
| 2. | SP23-BSCS-0077 | Uamama Ghazi | [Sp23bscs0077@maju.edu.pk](mailto:Sp23bscs0077@maju.edu.pk) | 03042512690 |
| 3. | SP23-BSCS-0013 | Najm-Ur-Rehman | Sp23bscs0013@maju.edu.pk | 03171199935 |

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| **PROBLEM STATEMENT**  *The problem statement should be concise, as you now understand it. It is highly advisable that it should not exceed more than 5 lines.* |
| Plan trips can be hard because there is no easy way to book everything in one place. People found confusing to find good hotels and restaurants. People can establish partnerships with local businesses to offer unique experiences such as towards to the exclusive  attractions and places |
| **EXECUTIVE SUMMARY** |
| *Our project is all about making travel planning super easy for everyone so we are creating a friendly website where you can plan your whole trip in one place. With simple steps you can choose where to stay and eat making your trip special and memorable.* |

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| **INTRODUCTION**  *Relevance or importance of problem*  *Background information to educate the reader*  *Previous related work by others—literature review with credible sources* |
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| **COMPETITORS/COMPETITIVE ANALYSIS**  *This section will list down all the possible competitors of your product. That is, you need to list down all those products that are closely related to your product in terms of features, target audience, etc.* |
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| **OBJECTIVES**  *Objectives are the final results to be achieved after the completion of your project.* |
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| **MOTIVATION**  *Why is your problem interesting and important?* |
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| **FEATURES OF PROJECT**  *Detailed functionality of each feature* |
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| **ARCHITECTURAL DESIGN**  *Describe hardware, software, or network components as relevant and as understood at this time. Draw a high-level architecture diagram to illustrate the proposed system* ***components*** *and the relationships between them.* |
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| **IMPLEMENTATION TOOLS AND TECHNIQUES**  *Describe your methodology for implementation along with implementation tools.* |
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| **PROJECT PLAN**  *This section describes how the project will be managed, including a detailed plan with milestones. Specific items to include in this section are as follows:*   * *Division of responsibilities and duties among team members.* * *Timeline with milestones:* ***Gantt chart in Microsoft project 2013.*** *The following are required elements of your Gantt chart:* * *Project duration is from the date your project is enrolled to the completion date:* * *Each milestone is to be labeled with a title.* * *Schedule all tasks not just “Design” or “Testing.” Break this schedule down to specific assignments.* * *Each task is to be labeled with a title and person or persons assigned to the task.* * *Subdivide larger items so that no task is longer than about one week* * *Link tasks which are dependent on the completion of a previous task.* |
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| **REFERENCES**  *Give references to the resources you have consulted in finalizing your project topic.* |
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**Supervisor’s Signature: - FYP-Coordinator’s Signature: -**