Project Description Document
Project Name: Input-Space Partitioning Test Tool (ISPTT)
Date: 09/15/2023
Prepared by: Harsh Patel, Dhvanan Mehta, Lokesh Vetch, Likhit Reddy Adella

1. Introduction:
The Input-Space Partitioning Test Tool (ISPTT) is envisioned as a web-based application designed to assist software testers in generating test cases based on the input-space partitioning criterion. By automating the process of creating test cases using ISP, the tool aims to ensure accuracy and efficiency, reducing manual effort and potential errors.

2. Project Scope:
Inclusions:
- A user-friendly interface allowing testers to define characteristics and their respective blocks.
- Backend computation engine for generating combinations based on ISP criteria.
- Display section for showcasing computed combinations.
- Export functionality for results.
- User manual or guide.

3. Objectives:
- **Efficiency:** Streamline the ISP combination process.
- **Accuracy:** Ensure combinations adhere to the ISP criteria (ACoC, ECC, BCC).
- **Usability:** Offer an intuitive design for all users.
- **Flexibility:** Ensure adaptability for various input characteristics and blocks.
- **Feedback:** Incorporate user feedback mechanisms for improvements.

4. Technical Specifications:
- **Frontend:** Frameworks like React.
- **Backend:** Node.js with Express.js.
- **Database:** MongoDB (if required).