**Software Requirement Specifications:**

1. Background: Aims to create a user-friendly web application that assists students in searching for colleges based on various filter options, such as location, program, tuition fees, and more.
2. Project Overview: Is an application designed to assist students and parents in finding suitable colleges based on a variety of search criteria. The application will provide a user-friendly interface that allows users to input their preferences and then receive a curated list of colleges that match their criteria.
3. Hardware Requirements: Web Servers, Database Servers, Development Testing, Monitoring & Analytics.
4. Software Requirements: Web Development, Back-End Development, Database, Package Managers, APIs & Integration.
5. Constraints: Data availability & Quality, Data Privacy & Compliance, Technical Constraints, Performance & Scalability, Security Constraints, Budget & Resource Constraints, Time Constraints, Integration Constraints, User Experience Constraints.
6. Assumptions: User Prefer Online College Research, Adequate College Data availability, Mobile-Friendly Usage, Compatibility with Common Browsers, Real-Time Data Updates, Security & Privacy Compliance, Engaging User Experience, Availability of required APIs.
7. Risks: Data Accuracy & Completeness, Technical Challenges, User Adoption & Engagement, Performance Issues, Data Privacy & Compliance, Dependency on Third-Party APIs.
8. Functional Requirements: User Registration & Authentication, User Profiles, College Search Filters, Search results display, College detail page, Responsive design.
9. Non-Functional Requirements: Usability & User Experience, Performance & Scalability, Security & Privacy, Accessibility, Compatibility, Data integrity, Deployment, Testing & Quality Assurance, Responsive time, Error handling & Logging, Maintainability.
10. External Interface Requirements: User Interface, Authentication & Authorization, Database Interaction, External APIs.
11. Technology Used: Front-End, Back-End, Database, APIs.