Product Backlog:

1. **Visually Appealing Home Page Design**

* User Story: As a user, I want the home page to have visually appealing graphics and layout that align with the university's brand identity.
* Story Points: 3
* Explanation: This task involves redesigning the home page layout and incorporating visual elements to represent the university's brand. It requires moderate effort in design and implementation.
* Tasks:
* Conduct brand analysis to understand the university's visual identity.
* Create mood boards and design concepts based on brand guidelines.
* Design home page layout incorporating brand colours, fonts, and imagery.
* Gather feedback from stakeholders and iterate on design based on feedback.

1. **Intuitive Navigation Structure**

* User Story: As a user, I want the website navigation to be intuitive, with clear menu options and easy access to important sections.
* Story Points: 2
* Explanation: Creating an intuitive navigation structure involves organizing menu items and ensuring easy access to information. It requires less effort compared to other tasks but is crucial for user experience.
* Tasks:
* Conduct user research to identify common user paths and information needs.
* Develop site map outlining main navigation categories and subcategories.
* Design navigation menu with clear labels and hierarchy.
* Implement drop-down menus or mega-menus for complex navigation structures.

1. **Search Functionality Implementation**

* User Story: As a user, I want a search feature that allows me to quickly find information on the website.
* Story Points: 3
* Explanation: Implementing a search functionality involves integrating a search engine, configuring search settings, and designing the user interface. It requires more effort due to the complexity of implementation.
* Tasks:
* Select and integrate a search engine tool compatible with the website platform.
* Configure search settings to index website content effectively.
* Design search bar UI for visibility and accessibility on all pages.
* Test search functionality with sample queries to ensure accurate results.

1. **News Section Integration**

* User Story: As a user, I want a dedicated news section on the website that provides up-to-date information about university events and activities.
* Story Points: 3
* Explanation: Integrating a news section involves designing the layout, developing backend systems for content management, and ensuring seamless integration with the website. It requires moderate effort to implement.
* Tasks:
* Define content categories for news section (e.g., events, press releases, campus updates).
* Design news section layout with featured articles and news feed.
* Develop backend system for content management and publishing.
* Implement tagging system for organizing and filtering news articles.

1. **Student Portal Development**

* User Story: As a student, I want a student portal that provides easy access to academic records and course materials.
* Story Points: 4
* Explanation: Developing a student portal involves designing the interface, integrating with backend systems (e.g., student information system), and implementing security measures. It requires more effort due to the complexity of features and integration.
* Tasks:
* Identify required features for the student portal (e.g., grades, course schedules, announcements).
* Design user interface for student dashboard with personalized widgets.
* Integrate with student information system (SIS) for data synchronization.
* Implement single sign-on (SSO) for seamless authentication.

1. **Staff Portal Development**

* User Story: As a staff member, I want a staff portal that provides easy access to HR information and payroll.
* Story Points: 4
* Explanation: Similar to the student portal, developing a staff portal involves designing the interface, integrating with HR systems, and implementing security measures. It requires significant effort due to the complexity of features and integration.
* Tasks:
* Define employee self-service features required for the staff portal.
* Develop HR module for managing payroll, benefits, and leave requests.
* Implement role-based access control (RBAC) for different staff roles.
* Conduct usability testing with staff members to ensure intuitive navigation.

1. **Programs, Courses, and Units Information**

* User Story: As a user, I want the website to provide comprehensive information about university programs, courses, and units.
* Story Points: 3
* Explanation: Providing comprehensive information involves compiling catalogue data, designing program pages, and integrating with backend systems. It requires moderate effort to implement.
* Tasks:
* Compile program and course catalogue with detailed descriptions and requirements.
* Design program pages with structured content layout (e.g., overview, curriculum, career prospects).
* Implement filters and sorting options for browsing programs by category and level.
* Integrate with backend systems for real-time updates of program information.

Clients Requirements:

1. The new website should have a visually appealing home page design that represents our university's brand.
2. The website should be easy to navigate, and users should be able to find the information they need quickly.
3. The website should have a search feature that allows users to quickly find information on the website.
4. We need a news section that provides up-to-date information about the university's events, news, and activities.
5. The website should have a student portal that provides easy access to academic records, course materials, and other important information.
6. The website should have a staff portal that provides easy access to HR information, payroll, and other important information.
7. The website should provide information about our university's programs, courses, and units including undergraduate, graduate, and research programs.

Story Point allocation:

1. **Story Point 1: Low Difficulty**A task assigned 1 story point indicates that it is relatively simple and straightforward to complete. It typically involves minimal complexity, with clear requirements and little to no dependencies. Tasks at this level can usually be accomplished within a short timeframe, requiring minimal effort and resources.
2. **Story Point 2: Moderate Difficulty**A task assigned 2 story points suggests moderate difficulty in completion. It may involve some complexity or dependencies but is still manageable within a reasonable timeframe. Tasks at this level require a moderate amount of effort and resources to complete but are generally well-defined and doable with the right skills and expertise.
3. **Story Point 3: Medium Difficulty**A task assigned 3 story points indicates a medium level of difficulty. It involves a moderate degree of complexity or dependencies that may require more effort and resources to complete compared to lower story point tasks. These tasks may take longer to accomplish and may require additional planning and coordination.
4. **Story Point 4: High Difficulty**A task assigned 4 story points suggests a high level of difficulty and complexity. It typically involves intricate requirements, significant dependencies, or technical challenges that make it more challenging to complete. Tasks at this level may require specialized skills, extensive planning, and coordination across teams. They often take more time and resources to accomplish successfully.