**Impact Nexus Student Portal Documentation**

**1. Introduction**

The **Impact Nexus Student Portal** is an integrated system designed to provide students with access to essential academic and administrative resources. It will serve as a centralized hub where students can log in, view personal and academic details, interact with the platform, and access relevant information seamlessly.

**2. Features and Functionalities**

**2.1 User Authentication**

* Login with **Index Number and Email**.
* Password-based authentication (default: index number as password with an option to reset).
* Session management to keep users logged in securely.
* Logout functionality.

**2.2 Dashboard**

* Welcome message with user-specific details.
* Quick links to relevant sections (profile, academic records, announcements, etc.).

**2.3 Profile Management**

* View and update personal details (Name, Email, Contact, Department, etc.).
* Change password functionality.

**2.4 Academic Information**

* View course registration details.
* Access academic records (grades, transcripts, etc.).
* View timetable for classes and exams.

**2.5 Announcements and Notifications**

* Display important updates from administration.
* Event and deadline reminders.

**2.6 Student Support**

* Submit inquiries or complaints.
* Contact support via chat or email.

**2.7 Resources & Materials**

* Download lecture notes and assignments.
* Access online learning materials.

**2.8 Forum & Collaboration**

* Discussion boards for academic and general topics.
* Group chat functionality for teamwork and project collaboration.

**2.9 Internship & Career Section**

* Internship listings and application tracking.
* Career guidance and job opportunities.

**2.10 Fee & Payment Information**

* View outstanding fees and payment history.
* Online payment integration (if applicable).

**3. System Design**

**3.1 Technology Stack**

* **Frontend:** HTML, CSS, JavaScript (Bootstrap for responsiveness)
* **Backend:** PHP with MySQL database
* **Authentication:** PHP Sessions with password hashing
* **Database:** MySQL (students table, academic records, etc.)

**3.2 User Roles**

1. **Student:** Access personal records, announcements, and resources.
2. **Administrator:** Manage users, upload resources, send notifications.

**3.3 Database Schema (Simplified)**

**Students Table (Student Details)**

|  |  |  |
| --- | --- | --- |
| **Column** | **Type** | **Description** |
| id | INT (Primary Key) | Unique student ID |
| index\_number | VARCHAR | Unique student index number |
| email | VARCHAR | Student's email |
| password | VARCHAR | Encrypted password |
| name | VARCHAR | Student’s full name |
| department | VARCHAR | Student's department |
| contact | VARCHAR | Contact number |

**Student Results Table**

|  |  |  |
| --- | --- | --- |
| Column | Type | Description |
| id | INT (Primary Key) | Unique record ID |
| student\_id | INT (Foreign Key) | Reference to student |
| course | VARCHAR | Course title |
| grade | VARCHAR | Student's grade |
| semester | VARCHAR | Semester info |
| academic\_year | VARCHAR | Academic year |
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**4. Implementation Plan**

**Phase 1: Core Development**

* User authentication system
* Dashboard design and navigation setup
* Profile management

**Phase 2: Academic & Resource Modules**

* Course registration & academic records section
* File upload/download system for resources

**Phase 3: Enhancements & Testing**

* Notifications & announcements module
* Forum and collaboration features
* System testing and security improvements

**Phase 4: Deployment & Maintenance**

* Deploy on a server (shared hosting or VPS)
* Regular updates and user support

**5. Conclusion**

The **Impact Nexus Student Portal** will be a robust system enhancing student experience through centralized access to essential academic and administrative information. With seamless navigation, authentication, and real-time updates, it will improve engagement and streamline student interactions with the institution.