**📘 Scholar’s Lore — Goal 3 Documentation**

🎯 **Focus**: courses.html & Linked Course Pages (course1.html to course6.html)  
📍 **SDLC-Based Development Report**

**1. Planning Phase**

**Objective:**  
Extend Scholar’s Lore by implementing a **Course Listing Page** and linking it to six individual **course detail pages**.

**Defined Goals:**

* Design and build a centralized courses.html page that displays all available courses
* Link each course card to its respective detail page (course1.html to course6.html)
* Maintain design consistency and functional responsiveness throughout

**Project Purpose:**

* To allow users to explore available courses and learn more about individual offerings

**Stakeholders Involved:**

* Project Lead: Jaskirat Singh
* Front-end Developers: Hirdepal Singh (2410990410), Jaijit Singh (2410990411), Jaskirat Singh (2410990414)
* UI/UX Designer: Jaskirat Singh
* Content Manager: Jaijit Singh

**Milestones Achieved:**

* ✅ Completed layout and structure for courses.html
* ✅ Built 6 course pages (course1.html to course6.html) with consistent formatting
* ✅ Linked all course cards to individual pages
* ✅ Added styling in styles.css

**Tools Used:**

* Figma
* Visual Studio Code
* GitHub (versioning)

**2. Requirement Analysis**

**✔ Functional Requirements:**

* Display all courses in a grid layout
* Each course card should link to a corresponding course detail page
* Course detail pages include title, description

**✔ Non-Functional Requirements:**

* Fast loading and responsive design
* Unified visual theme with accessibility considerations
* Smooth navigation between pages

**📄 Page Structure Breakdown:**

* **courses.html**
  + Grid of 6 course cards (image, title, and "Learn More" button)
  + Each button links to respective courseX.html
* **course1.html to course6.html**
  + Hero/title section
  + Description of the course
  + Reused header and footer

**3. Design Phase**

**🎨 Colour Palette:**

* Navy Blue (#1e212e) – for headers and footers
* Gold (#f9c87b) – for CTAs and highlights
* White (#ffffff) – for backgrounds and content cards

**🔤 Typography:**

* Headings: **Poppins** (Bold)
* Body Text: **Montserrat** (Regular)

**🧩 Layout Strategy:**

* CSS Grid layout on courses.html for a clean course catalogue look
* Sectioned vertical design on individual course pages
* Reusable components for consistent UI

**🖼 Images Used:**

* Thumbnails for each course (optimized for web)

**4. Implementation Phase**

**🛠 Technologies Used:**

* HTML5, CSS3, JavaScript
* Google Fonts

**📁 Files Created:**

* courses.html – lists all available courses
* course1.html to course6.html – individual course details
* styles.css – global stylesheet
* script.js – JavaScript handling interactions (if any)

**🔧 Key Features Implemented:**

* Interactive and clickable course cards
* Mobile and desktop responsive layout
* Modular styling using reusable CSS classes
* Unified navigation across all pages

**5. Testing Phase**

**Devices Tested On:**

* 💻 Laptop (15.6" Full HD)
* 🖥️ Desktop Monitor (24" Full HD)

**Browser Compatibility:**

* ✅ Google Chrome
* ✅ Microsoft Edge
* ✅ Mozilla Firefox

**Test Results:**

* All course cards on courses.html redirect correctly
* Layout is responsive on both screen sizes
* Header and footer behave consistently across all pages
* No display issues with course images or content blocks
* All links and buttons function as expected