

## 1.0 Deliverables

**Project Name:** GC E-learning suite.

**About:** The GC eLearning Application seeks to leverage the web and mobile digital touch points for e-learning, digital workforce training and development, online examinations, course sales and multi-tenant LMS deployment in order to train and assess staff competency and capacity development remotely and simultaneously. The technology will be re-deployable for external users and corporate clients in need of the eLearning suite.

**Application Delivery Containers. The highlighted green is a completed app.**

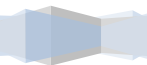
1. A public eLearning web application – Accessible by the general public
2. A public eLearning mobile application – Accessible by the general public
3. Private training portal – Deployed for specific organizations and institutions who deployed a web app using the G.C eLearning suite for their teams/groups
4. G.C eLearning Suite Manager Portal – Deployed specifically for the super administrator to manage portal creation and other functionalities across the system.

**Application Programming Language**

- Web App Front-End: React
- Back-End: Nodejs
- API
- Database: MySQL
- Mobile App: Flutter

In consideration of the entire project workload, timelines have been clearly detailed in the work breakdown structure (**WBS**) document. Distinctly divided into development timelines for the “**Public E-Learning System**” which is a Udemy type which you will be working on. Ongoing milestones tracking during the project implementation phase, will be available as requested.

**Also note that this is not a new project, the core systems have been built out already which is indicated in the table below, hence we are bringing you on board to build upon the already existing core systems and make iterations.**



## 1.1 User Role

- Public User
- Student
- Instructors
- Administrator (Back-Office Master)

## 2.0 Work Breakdown Structure and Timelines

### Public E-Learning System (LMS Integrated – Available to Public Users)

**Duration: 4 Weeks (March 2022)**

S/N	Modules	Breakdown
1.	Onboarding/Authentication (Already built for the private system)	<ul style="list-style-type: none"><li>• Login</li><li>• Registration</li><li>• Forget Password</li><li>• Reset Password</li></ul>
2.	Course Management (Already built for the private system)	<ul style="list-style-type: none"><li>• Create Lesson (Admin)</li><li>• Create Lesson (Admin)</li><li>• Course Listing</li><li>• Course single view</li><li>• Take courses</li></ul>



3.	Certifications/Badges (Certificates built for the private system)	<ul style="list-style-type: none"><li>• Create Certification (Admin)</li><li>• Create Badge (Admin)</li><li>• Assign certificate to students</li></ul>
4.	Payment (Sales of courses integration with paystack)	<ul style="list-style-type: none"><li>• Integrate payment gateway</li></ul>
5.	Chat	<ul style="list-style-type: none"><li>• Chat Engine</li></ul>
6.	Notifications	<ul style="list-style-type: none"><li>• Email Notification</li><li>• SMS notifications</li><li>• Push Notifications</li></ul>
7.	E-Library (Already built for the private system)	<ul style="list-style-type: none"><li>• Upload Books (Admin)</li><li>• Book Listing</li><li>• Book single view</li><li>• Checkout</li></ul>



8.	Events/Workshop (Already built for the private system integrated with zoom)	<ul style="list-style-type: none"><li>• Create event (Admin)</li><li>• View events</li><li>• Join video conferencing</li></ul>
9.	Mobile App (Already built pending API)	<ul style="list-style-type: none"><li>• Android Development</li></ul>
10.	Analytics (Already built for the private system)	<ul style="list-style-type: none"><li>• User Login Report</li><li>• Activities</li><li>• Time log</li><li>• Assessment</li><li>• Approval Rating</li><li>• License User Allocation History</li></ul>
11.	Deployment to Server	<b>Public E-Learning Application Deployment to Live Server</b> <ul style="list-style-type: none"><li>• Web Application</li><li>• Mobile Application (Android)</li></ul>



12.	UAT & Debugging	<ul style="list-style-type: none"><li>• <b>Integration Test</b></li><li>• <b>Features and Functions Test</b></li><li>• <b>Regression Test</b></li><li>• <b>Data and UI Security Test</b></li><li>• <b>Load Test</b></li><li>• <b>User test groups</b></li></ul>
13.	GO Live	<ul style="list-style-type: none"><li>• Functional Product Deployment and Go-Live</li></ul>

