Website Design & Development agreement

This Website Design and Development Agreement (the "Agreement") is entered into as of 15-08-2023, by and between **Rishi Raghwan** (Pan No ARTPR7646F) (the "Client"), located at Flat no D1004 Celestial City Phase 2 Ravet Pune 411044, and MI Tech Solutions (the "Developer"), located at Shop 21, Vision Plus, Nr. Bhakti Shakti Flyover, Nigdi, Pune-411044.

Website Design & Development Project Terms and Conditions

1.0 Scope of Work: The Client agrees to engage the Website Development Company (the "Developer") to design, develop, and deliver a fully functional website (the "Project") in accordance with the specifications provided by the Client. The Project scope includes website design, front-end development, back-end development, database integration, testing, deployment, Security and maintenance of the website .

1.1 Technology Stack : Programming Language: PHP over Code-ignitor Framework, Database: MySQL

1.2 Responsive Design : The Developer shall ensure ideal responsive design of the website to adapts seamlessly to various screen sizes and devices, providing an optimal user experience across desktops, tablets, and mobile phones and ensures that the website's layout, content, and functionalities adjust dynamically to diﬀerent screen resolutions, maintaining usability and readability.

1.2.1 Fluid Layout: The Developer shall ensure that website's layout should use flexible grids and proportion-based units (e.g., percentages) rather than fixed pixel widths so content to adjust fluidly based on the user's screen size.

1.2.2 Mobile-First Approach: The Developer shall design the website with the mobile view in mind, and then progressively enhance it for larger screens for better and smooth user experience on smaller devices.

1.2.3 Touch-Friendly Navigation: Design navigation elements that are easy to tap and interact with on touchscreens, avoiding small buttons or links that may be challenging to use on mobile devices.

1.2.4 Scalable Images: Use responsive images that adjust in size based on the user's device to optimize loading times and prevent large images from slowing down mobile devices.

1.2.5 Clear Typography: The Developer shall use legible font sizes and spacing that are easily readable on smaller screens, avoiding the need for users to pinch and zoom to read content.

1.2.6 Mobile-Optimized Menus: The Developer shall Utilize mobile-friendly navigation to conserve space and provide a smooth navigation experience on mobile devices.

1.2.7 Condensed Content: The Developer shall streamline the content for mobile views, displaying only essential information to avoid overwhelming users on smaller screens.

1.2.8 Performance Optimization: The Developer shall optimize the website for fast loading times and efficient resource usage, prioritizing performance on mobile devices with limited bandwidth.

1.2.9 Thumb-Friendly Interactions: the Developer shall place important interactive elements within easy reach of a user's thumb on mobile devices, considering how users typically hold and interact with their phones.

1.2.10 Testing Across Devices: The Developer shall thoroughly test the responsive design on various devices and screen sizes to ensure consistent user experience and identify any issues and resolve before launch of the website .

1.3 Page Load Speed: The Developer shall optimized the website loading speed and shall ensure that loading speed should be in limit of 1 to 3 second for mobile and Tablets device and 2 to 4 second for Destop device. The developer shall regularly test website's loading speed on various devices and screen sizes after website launch.

1.4 Mobile-First Approach: The developer shall design the website with a mobile-first approach, prioritizing the mobile user experience and then adapting it for larger screens.

1.5 Database Security: The developer shall follow best practices during website design and development to build a more secure website and protect both your users and their data from potential threats.

The developer shall ensure to implement and consider these feature at the design step itself to improve website security e.g **Secure Data Transmission / Session Management / Security Headers.**

Apply Least Privilege Principle: Grant the minimum necessary privileges to the database users. Limit access to only the data and operations that are required for specific tasks, reducing the potential impact of a compromised account.

Strong Password Policies: Enforce strong password policies for all database users. Require complex passwords with a mix of uppercase, lowercase, numbers, and special characters, and regularly update passwords.

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Audit Trails and Logging: Enable auditing and logging features to monitor database activity. This helps in detecting and investigating suspicious behavior or security incidents.

Secure Coding Practices: Follow secure coding practices to prevent common vulnerabilities like SQL injection, cross-site scripting (XSS), and cross-site request forgery (CSRF).

Input Validation: Validate and sanitize all user inputs to prevent malicious data from reaching the database and causing security issues. Properly manage user sessions and use secure session handling techniques to prevent session hijacking and session fixation attacks.

Error Handling: Implement appropriate error handling mechanisms to avoid exposing sensitive information to attackers.

Content Security Policy (CSP): Use CSP to mitigate the risk of XSS attacks by specifying which content sources are allowed to be loaded by the website.

File Uploads: Carefully handle file uploads, validating file types and using server-side checks to prevent uploading of malicious files.

Secure Third-Party Libraries: Use reputable and up-to-date third-party libraries and frameworks, and keep them patched to avoid known vulnerabilities.

1.5 Scalability: The developer shall deliver optimized code that can handle 100+ concurrent users provided the servers support the load.

1.7 Integration of External Plugins: The Developer agrees to integrate only safe and trusted external plugins or third-party components into the Website, whether paid or free. The website development will be solely reliant on code and features developed by the developer, with no Ip infringements on a third party. The ownership and intellectual property rights of all code and features developed by Your Company for the Website shall belong exclusively to The Client.
External Plugins will be required for following reasons only: Payment Gateway, SMS / Whatsapp Messaging Gateway, SMTP protocol for Mail communications.

1.8 Design and user Experience : The Developer will align to design concept provided by the Client.

A. The Developer will use design elements such as color schemes, typography choices, graphics, and visual elements provided by the client to retain the website's current visual appeal.

1.9 Content Management System :

The Developer will create a user-friendly CMS that allows the Client to easily manage and update website content, including text, images, videos, and other media.The CMS will be designed to provide flexibility in layout and content presentation while maintaining consistent branding and design guidelines.

a. The Developer agrees to integrate features such as content editing, publishing, version control, user management, and any other functionalities specified in the project proposal.

b. The Developer will ensure that the CMS is responsive and works seamlessly across various devices and screen sizes.

c. The Developer will provide comprehensive training to the Client's designated personnel on how to effectively use and manage the CMS. Training may be conducted in person, virtually, or through written documentation and tutorials.

2.1 Testing and Quality Assurance:

2.2 Support and Maintenance : The Developer agrees to address and resolve technical issues, bugs, and glitches that may arise on the Website during the term of this Agreement. The Developer will provide prompt responses to support requests submitted by the Client within 8 hours during regular business hours.

2.3 Cross-Browser Compatibility:

The Developer acknowledges and agrees to design and develop the website to ensure cross-browser compatibility. This includes but is not limited to testing and optimizing the website for common and widely used web browsers such as Chrome, Firefox, Safari, and Edge.

The Developer will strive to ensure that the website's functionality and appearance remain consistent across different browsers, ensuring a seamless user experience.

The Developer shall use best practices in coding, CSS, and JavaScript to address compatibility issues that may arise due to variations in browser rendering.

2.4 Secure Socket Layer (SSL) Certificate:
The application and Website will be deployed on server that has SSL certificate installed to allow HTTPS protocol for access.

2.6 Error Handling: Implement robust error handling mechanisms to handle and report errors gracefully to users.

2.7 Modules: there will be three module types A. Student Module B. faculty Module C. Admin Module . the journey or flow of each user type defined as below .

Student Module : Student module / journey will be as per below flow

Fucntionality	Details	Functionality
User profile management	User profile	Registartion with Google / mobile
		Verification of email / mobile - SMS & Mail gateway
		Profile management, password mgmt
Student flow	Student login	User profile management
	book demo or trial class after login	We will need to define a class type as demo and maintain count per user
	Sent update to Admin on WhatsApp regarding booking and update to student for successfully booking.	Whatsapp interface through business account
	student enrollment	Form with 1 attachment option and Payment gateway interface for subscription
	Send update to Admin regarding new enrollment and send update to student also for the successful enrollment	Email + whatsapp to student
	choose class time from available slots.	Calendar management
	Login using user I'd and password and attend the class .	Zoom Interface for video class
	Mark the attendance	Auto-marking basis login to Zoom
	send automatic update to student that you have completed your Xth class today.	Maintain class count and send update basis canned content for mail and whatsapp
	Student Can See number of classes enrolled for /number of balance class	Student progress view
	Automatic reminder to student after completion of number of class as per subscription.	Renewal reminders start beore last class
	Subscription renewal reminder	Same as above
	Renew subscription.	Form with payment gateway
	Can rate the session.	Rating engine with text feedback.
	Can upload practice video and practice video will automatically visible to assigned faculty and see the remarks given by faculty.	Faculty communication module will have chat and attachment options.

Faculty Module : faculty module and flow will be as per below .

Fucntionality	Details	Functionality
	Login using user I'd password provided by admin.	User profile management
	Can provide his /her available slots	Calendar management
	Can see number of students assigned to her but not student contact details	Class session management screen with option to move / cancel and communicate to student

Faculty flow on the website.

Details	Functionality
her but not student contact details .	to move / cancel and communicate to student
Automatic update on faculty WhatsApp number regarding xyz student has booked your this available slot.	Whatsapp interface through business account
Login and conduct class and mark the attendance.	Auto-marking basis login to Zoom
can see student practice video and give remarks and correction.	Faculty communication module will have chat and attachment options.
Can upload and provide practice video and study material to particular student.	Material assignment
send automatic update to student that faculty has shared a practice video for her .	Whatsapp interface through business account
faculty can see total number classes conducted by her in the month .	MIS reports to faculty
faculty can request to process the payment.	Admin will do this. Faculty will not request
Multi admin option	User profile management

Admin Module : Admin module and flow will be as per below

Fucntionality	Details	Functionality
	Multi admin option	User profile management
Admin control and flow on website	Admin control the main functionalities include user management, content management, analytics and reporting, and system settings. User management allows administrators to manage user accounts, roles, and permissions. Content management involves uploading, organizing, and updating learning materials. Analytics and reporting provide insights into user engagement and performance.	Add / update users with roles - student, faculty, admin / Manage CMS for learning material
	can see number of enrolled students on the platform.	MIS reports to Admin
	can assigned student to a particular faculty.	Same screen as student, but on-behalf
	create login I'd and password for faculty.	User profile management
	can see available slots of all facilities	Student view with faculty selection
	after any new enrollment admin can assign student to a particular faculty and send an update to faculty whatsapp number that xyz students have been assigned .	The messaging flow will be same as student
	can see and monitor ongoing classes any point of time .	Calendar management
	admin can see attendance marked by faculty and student .	MIS Report
	can see practice video and notes uploaded by student and faculty.	Include admin acess to faculty communication module
	automatic live update on admin WhatsApp regarding any thing done by student and faculty on platform.	
	can verify number of classes conducted by faculty and process the payment after recieving request from faculty.	Payment recon screen
	Admin will recieve live update on WhatsApp regarding any demo booking or any enrollment or subscription renewal.	
	can send promotional content or greeting to all user	Add admin to Faculty communication module. Ability to send bulk messages