



Shilpa Educational Software

SOFTWARE PROJECT PROPOSAL

Shilpa Web Application to Nenasa
Educational Institute

GROUP 14



PROJECT OVERVIEW

Shilpa Web Application offers a portal to enhance the connection of tuition teachers with students and parents. It is a Web Application designed to reduce operational and labor costs for Educational Institutes.

ABOUT COMPANY



Shilpa Educational Software is a renowned leader in educational field software and application development. Established since 2016, it now has development centers in Galle and Colombo. With a strength of over 15 employees, Shilpa Educational Software is a company known for its highly competent and proficient work force.

We have developed and implemented great software and web applications to many companies and institutes around the country. Always we train our employees on the latest trends, tools, and technologies. Another effort is to have the latest machines and tools so that our product is latest and cost effective.

Our services include,

- School Management Systems
- Study Helpers
- Past Paper Applications
- Library Management Systems
- Educational Games
- Tutorial Software

And our custom software development group is always willing to develop and deliver software according to your requirements.

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INTRODUCTION

PROJECT NAME	Shilpa Web Application		
EST. START DATE	2019-06-06	EST. FINISH DATE	2020-01-30
SUBMITTED TO	General Manager	COMPANY	Nenasa Educational Institute
CONTACT NAME	Shalinda Rathugama	ADDRESS	Darlington Watta Road, Hapugala, Galle.
PHONE	0711234567		
EMAIL	wasana@nenasa.lk		

SUBMITTED BY	Business Development Manager	COMPANY	Shilpa Educational Software
CONTACT NAME	BNM Bandulasena	ADDRESS	Sri Piyarathana Mawatha, Kalegana, Galle.
PHONE	0712365295		
EMAIL	nuwan@shilpasoftware.com		

BACKGROUND

PRODUCT OVERVIEW

Shilpa Web Application offers a portal to enhance the connection between tuition teachers and students. It is a Web Application designed to reduce operational and labor costs for Educational Institutes.

PURPOSE / GOALS

- To make a strong interconnection between parents, teachers and students.
- Maintain a proper database on teachers in different areas in each subjects.
- Create a communication between teachers and parents.
- Make parents aware about the student attendance and activities in classes.
- Give an opportunity to the new teachers to promote themselves to students.
- To publish lesson notes and videos.

LIMITATIONS

- Some teachers and parents may not have proper technical knowledge to use this facility.
- Some students and parents have no access to use the internet facility.
- Inability to send SMS alerts to students and parents.
- Students cannot pay their tuition fees using an online payment method.

INDUSTRY / MARKET RISK FACTORS

- Difficult to market the product in the industry.
- Difficult to publish among the parents.
- Competition with other related educational software.
- Vulnerability to hackers and malicious software.

BUDGETARY RISK FACTORS

- Inability to claim the travelling expenses from the customers
- Customer request for free updates for some period
- Customer try to negotiate the cost of the project
- Customer refusing to pay the hosting fees

HARDWARE COMPATIBILITY

- Availability of a reasonably fast internet connection.
- Availability of a web browser (Google Chrome 42 or later, Mozilla Firefox 37 or later, Edge 13).
- Free hard disk space is required for data storage.
- Minimum 1GB of RAM is recommended for a windows operating system.
- Standard screen resolution is recommended (At least 1280*1024)

SOFTWARE EMPLOYED

Visual Studio 2017 and Visual Studio Code are used as development platforms.

Technologies used are,

- ASP.NET Core and ASP.NET Web API
- Entity Framework
- Angular
- Bootstrap

TIMELINE

TIMELINE / MILESTONES			
OVERVIEW	We plan to start working on this project on 15/06/2019 and end up within 6 months. During this period client can check its progress.		
	MILESTONE	REPORTING	DEADLINE
	Project Acquisition	Project Supervisor	15/06/2019
	Estimation	Project Manager	20/06/2019
	Requirement Analysis	Project Manager	30/06/2019
	Project Management Planning	Project Manager	01/08/2019
	Design	Development Manager	01/09/2019
	Development & Integration	Development Manager	15/10/2019
	Testing	Development Manager	01/11/2019
	User Acceptance	Business Development Manager	20/12/2019
	Sign-Off and Project Closure	Project Supervisor	26/12/2019

PROJECT IMPLEMENTATION

DEPLOYMENT / DISTRIBUTION

After publishing the website, clients can connect through this website. When a client device wants to access, they can get details by logging to the web page.

We are also planning to launch a mobile app and upload it on play store. The release plan of the application is also created simultaneously.

The web server configuration is re-verified to ensure that every back-up and monitoring system is in place.

After distributing the project, acceptance from client is received through an e-mail.

TESTING

Our well-trained testing team tests the program for performance, acceptance and security.

Testing methods used are,

- Unit testing
- Module / integration testing
- System testing
- Performance testing
- Acceptance testing

DOCUMENTATION

Following documents will be provided with the product ,

- Users Guide
- Detailed Technical Document
- Terms and Conditions

SUPPORT

- help.shilpa@gmail.com will supply technical and operational support in 24 × 7
- For quick support clients can contact 091 24 56 456
- Depending on your requirement a supporting team is available at Shilpa Educational Software

TRAINING

2 hour training sessions can be conducted for up to 50 people according to the requirement of the client.

These sessions will be conducted by specially trained employees from Shilpa Educational Software and will train the users to use the Shilpa Web Application effectively.

COSTING

COST STRUCTURE	
OVERVIEW	<p>Cost Structure will be offered for the entire project; that involves the design, development and testing efforts for the application. Web applications are living products that require additional work and improvement as they evolve over time. Needed support services, feature enhancements, and defect resolutions can involve many resources of varying skill levels. The proposed Cost Structure is supposed to cover all of the mentioned steps.</p>
NEEDS / INVESTMENT	COST (Rs.)
Upfront payment as advance towards the project (20%)	24 000.00
Completion of design and SRS document (25%)	30 000.00
Project mid-point / Delivering working software (30%)	36 000.00
Project completion (20%)	24 000.00
Travelling and other expenses (5%)	6 000.00
ESTIMATE TOTAL	120 000.00
PAYMENT TERMS	
<ul style="list-style-type: none"> Travel and other expense costs incurred by our developers, if required, during the project will be billable to the Client, but will not exceed 5% of the estimated total cost. For any support services, additional enhancements and defect resolutions which are not covered under the proposed cost structure, Shilpa Educational Software will charge a rate of Rs. 1000 per hour. 	

TERMS AND CONDITIONS

TERMS & CONDITIONS	
<ul style="list-style-type: none">The given proposal and the costing will remain valid for 60 days from date which the proposal is delivered.The contents of this proposal are strictly confidential and neither party shall divulge any information contained here without approval	
PROPOSAL MAY BE WITHDRAWN IF NOT ACCEPTED BY DATE OF	2019-06-30

ACCEPTANCE OF PROPOSAL			
AUTHORIZED CLIENT SIGNATURE		DATE OF ACCEPTANCE	