**Enterprise Portal for Maintaining International Scholarship Students Records**

**Technical Proposal**

Submitted By:

VERBANET TECHNOLOGIES L.L.C

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# **KEY DETAILS**

**PROJECT NAME CLIENT**

RFP Gateway

**CLIENT CONTACT CLIENT ADDRESS**

Mr. P.O.Box 123

ABC Street

Dubai

U.A.E

**PROPOSAL SUBMISSION PROPOSAL ID NO.**

13.06.2020  AD/BP/25042018/1820/2

**PROPOSAL VALID UNTIL ANTICIPATED START DATE**

13.07.2020 00.00.00

**PROPOSAL SUBMITTED BY PROPOSED TECHNOLOGY**

Verbanet Technologies L.L.C PHP Dubai, U.A.E  **APPLICATION TYPE**

+971 4 297 3236 Web Application

+971 50 765 2345

# **PROJECT SCOPE**

MOE (hereafter referred to as “Client”) has approached Verbanet Technologies L.L.C., (hereafter referred under its trade/brand name as” Verbat”) to develop an

Enterprise Portal for Maintaining International Scholarship Students Records Portal.

The client currently considering the procurement of a platform for maintaining International Scholarship Students profile, thus allowing self-service access to international scholarship students. The system will maintain information about the international scholarship students, with regards to their Personal and Academic details. The users of the system shall be:

**Students**: Each student will have their own profile to view academic and personal details, and will have access to submit inquiries, complaints, and suggestions to MOE

**MOE Team Members**: Will have access to student profiles to view, update and add details related to the student’s profile (personal or academic details). They will also be able to respond to any inquiries, complaints and suggestions submitted by students. Some of the MOE Team members will have access to a dashboard to view and analyse all details of students.

**University Team Members**: Will have access to specific sections of a student’s profile to view, update and add details that are relevant to those students in their respective universities.

**Embassy Team Members**: Will have access to specific sections of a student’s profile to view, update and add details that are relevant to those students from their respective countries.

**Ministry of Foreign Affairs Team Member**s: Will have access to specific reports / dashboard.

## Definition of terms

**MOE**: Ministry of Education

**Vendor**: Hardware and Software manufacturer

**Engineered Solution**: is a solution that is supported by the vendor as a single solution and includes an engineered architecture of hardware, software, services, blueprints, automation, orchestration workflows and plugins and full lifecycle management of all the components

***Authorized Representative:*** means the nominated representative of the Bidder;

***Bidder:*** means any person, firm, or company/consortium that has been invited to compete for the award of the contract and who submits an RFP Response to MOE;

***Closing Time and Date:*** shall have the meaning given to it in Section 4 of this RFP;

***Competition:*** means the Competition for the award of contract by MOE;

***Contractor:*** means, if MOE awards the Contract following the Competition, the entity with which MOE enters into the MOE Contract;

***MOE Contract:*** means the contract for the carrying out of the Project;

***Preferred Bidder:*** means the Bidder who, on the basis of applying the scoring and award criteria established by MOE for the purposes of this procurement, will be invited to enter into the post tender negotiation stage.

***Project Agreement:*** means any contract or contracts awarded by MOE to any Contractor relating to the Project;

***RFP Response:*** means the response including the Annexes submitted by Bidders in response to the Request for Proposals (RFP) issued by MOE; and

***UAE***: means the United Arab Emirates.

## PROPOSED SOLUTION MODEL

**STAND- ALONE FIXED BID**

Verbat will be following a stand–alone fixed bid solution delivery model wherein the required solution would be devised and a suitable pricing would be offered. Verbat’s solution architects have conducted a thorough research on the requirements and have come to the conclusion that our proposed solution, which is detailed further in this document, will meet the requirements put forth by the client.

**KEY STRENGTHS OF OUR SOLUTION**

* Strong and Scalable platform accommodating to future enhancements
* A framework which acts as a solution accelerator with building blocks that can be re-used in n future for building new components and features.
* Our light weight framework used consumes fewer system resources thereby making the application perform faster.
* All security aspects are considered

## FUNCTIONAL REQUIREMENTS

The main features and functionalities of the application to be developed are presented below:

### General Requirements

* Solutions must be deployed on-premises and proposals should not include solutions / designs that store, process or transfer data to the cloud.
* Solutions must use strong authentication and must have the capability to be integrated with AD, SSO and future identity and access management systems.
* Solution must allow for MOE Theme and branding.
* Solution must support accessibility.
* Solution must allow non-technical users (Application admins) to be able to manage lookups and user access control.
* Solution must offer ease of reporting with dashboards and custom reports.
* Solution must provide in app notification alerts for students and system users also integration with Email, SMS and other messaging apps.
* Solution must be able to integrate with MOE internal applications / external applications for student data via APIs.

### Students

* Bio Demographics - Name, Country, Contact details at the time of registration etc.
* Academic Details - Details of the institution where they are enrolled, duration of study etc.
* Additional Contact Details - Option to add additional contact details, including contact type
* Visa and Passport Details – Details of student’s passport and UAE visa. Option to be able to send notification alerts to users before expiry of the visa.
* Bank Account details
* Language Test details
* Employment history
* General Attachments
* Known Languages
* Decree Details
* Allowances paid to the student – including allowance types, amount, periodic / non-periodic etc.
* High School Graduation Details
* Health insurance Details – Option to send notification alerts before expiry
* Transcripts – This section should allow recording of detailed transcript for different years, and attachments against each record.
* Warnings issued – Details of warnings issued to the student

### Self-service for students

The students will use the self-Service as a formal means of communication with the MOE team as well as raising requests, complaints, sending suggestions or inquiries, submitting feedback etc. Some updates to the profile may require approvals, some may go through without an approval. This shall be easily configurable.

A form to be filled up relevant to the service type

* System shall support a form builder to create different types of forms by admin users.
* Application number: Reference number for tracking purposes
* Status such as: In Progress / Accepted / Rejected. Student should be able to view where the application is pending.
* Notification alerts to be sent to the student upon action on the request, and notification to the Admins for action on their part.

### ADMIN Module

* Add users (other admins) and University Team members granting them access to the system
* Import student profiles to populate data for each student
* View / Edit Student profiles
* Manage Lookups like Universities, Embassies, Specialization, Majors, and Contact Type etc.
* Manage User permissions and access
* Manage application labels and fields
* Manage service catalogue requests by creating forms with different types of fields as per the service
* Configuring workflow approval to service requests
* Adding acceptance criteria for each stage of the service request
* Assigning system users as approvers for acceptance criteria
* Assigning SLA for acceptance criteria

### University Admins

* View student profiles of all students assigned to their universities
* Based on permissions granted, add / edit / delete functionality on student profiles
* Access to a dashboard that displays all open and closed applications (with statuses) for e-service requests raised by students under their admin
* Take necessary actions (accept / reject / request more information / return for correction) for the requests that are in their queue

### Embassy Users

* View student profiles of all students from their countries
* Based on permissions granted, add / edit / delete functionality on student profiles
* Access to a dashboard that displays all open and closed applications (with statuses) for e-service requests raised by students under their admin
* Take necessary actions (accept / reject / request more information / return for correction) for the requests that are in their queue

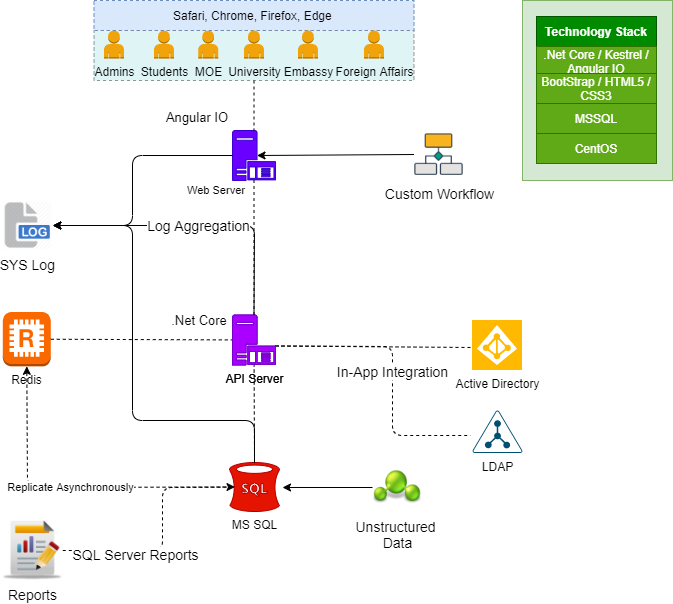
### Ministry Of foreign affairs

* Dashboard and report access

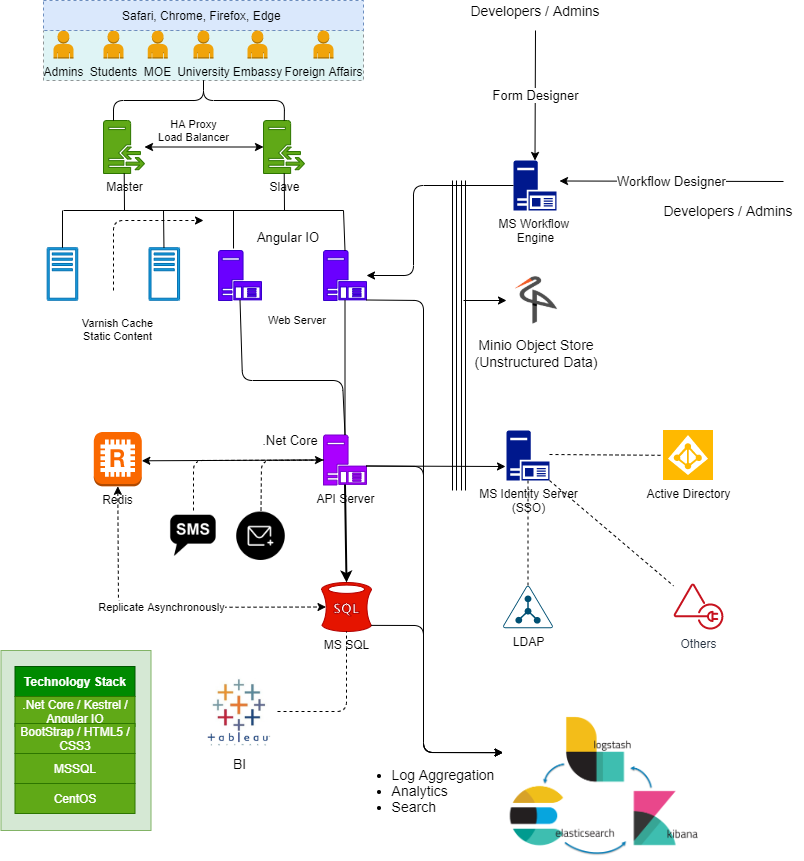
### DETAILED SPECIFICATION

Paste one of the effort estimates included

### Minimum Viable Architecture (Included)



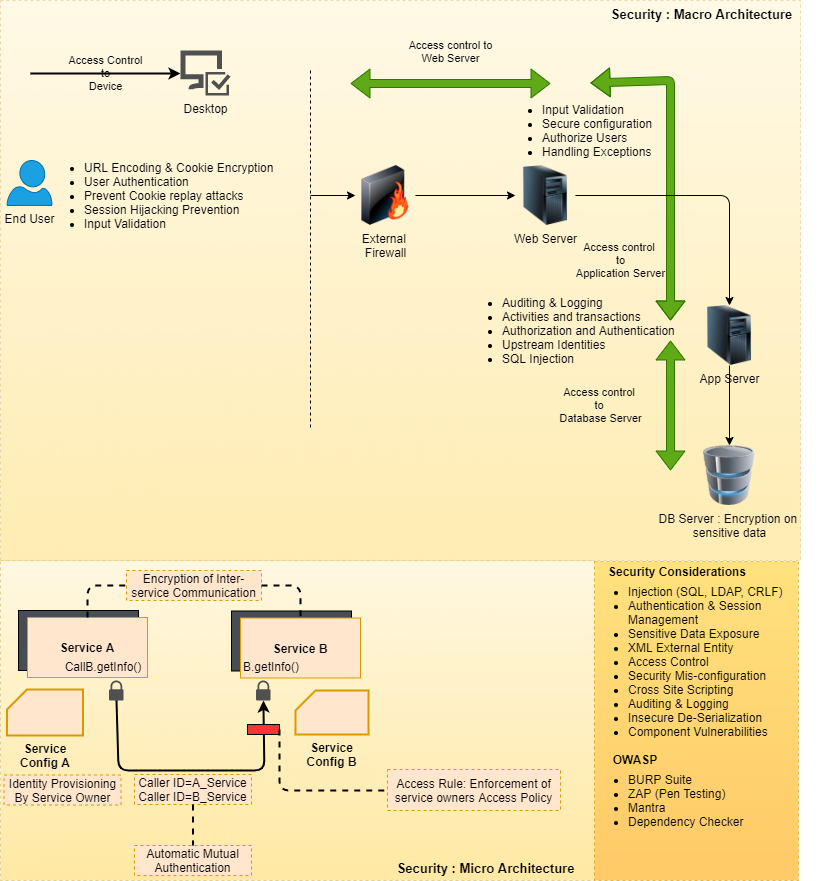
### Application Architecture



### QA

### Release and Deployment

### Security



## NON-FUNCTIONAL REQUIREMENT (OTHERS)

|  |  |
| --- | --- |
| **Requirements** | **Details** |
| User Experience and  UI Design | * The application will be developed only in English * The layout and graphical components will be created considering the usability factors |
| Performance | * Application will allow users to have smooth and quick access to the information or services they require. |
| Security | * Web security standards will be followed. |

### Technology Requirements

* Backend: .NET Core technologies, RESTful API
* Frontend: AngularJS, React or VueJS
* Database: MS-SQL Server
* Deployment: Docker Swarm, Containerized
* All library, framework and technologies must be latest versions at the time of delivery.

### Performance Requirement

* Stress: The system must be able to support 2,000 users accessing portal simultaneously.
* Response-Time: If user submits a request, then system should come back with a response within a second.
* Throughput: The system should be capable to process 500 transactions per second.

### Usability Requirements

* The system should have well defined elements e.g. menus and should be easy to understand.
* The system should be easy to learn and discover.
* All the interface actions and elements should be consistent and should prompt proper error messages.
* The system should have proper exception handling.
* The system should be responsive which means it should be mobile friendly.
* The screen layouts and colors should be appealing.

### Security requirements

* System should support role base access control (RBAC) for application logs.
* All system integration should support secure connections.
* System level access Audit logs should be available.
* Proper user and group access management.
* System should capture activity dates and activity users. Furthermore, should maintain the audit tables for all transactional related data
* [SOC Integration] System should support integrating with log aggregator services provided by SOC. Integration to be via log files or database.
* System shall provide access logs.
  + Date and time of access
  + Source IP – End user IP address
  + Destination Port - The server port number that is configured for the service
  + User name - The name of the authenticated user who accessed your server
  + URI Stem - The target of the action, for example, Default.htm
  + HTTP Status
  + Method - The requested action (like Get/Post)
  + Bytes Sent - The number of bytes that the server sent
  + Bytes Received - The number of bytes that the server received
  + Time Taken - The length of time that the action took
  + User-Agent - The browser type that the client used
  + Protocol Sub status - The sub status error code 3.3.4.6.2 System shall
* Provide audit logs:
  + User authentication details,
  + User creation/deletion,
  + User profile changes,
  + Admin user changes,
  + Modifications initiated by other users (optional)

### Configuration Requirements

* System should support hosting Hyper-V VMs
* System should support High Availability architecture
* System should support Latest DBs & Latest OS
* Solution should be deployed as Docker containers.

### Reliability Requirement

* System architecture should support component level redundancy and High availability (99.9%)
* System architecture should support Disaster recovery solutions with RPO and RTO defined.
* System architecture should support high reliability (not more than 1 planned downtime per year)

## PROPOSED SYSTEM ENVIRONMENT

****

.net Core, Angular IO

HTML5 / CSS3

Java Script

Windows

KESTREL

MSSQL

**MS SQL2012  
Windows 8/10  
Web Services**

## TECHNICAL CONFIGURATIONS

### DEVELOPMENT TOOLS

* .Net Core, Angular IO
* C# (.Net Core API)
* MSSQL
* HTML5 / CSS 3
* Web services, Ajax, JavaScript
* Docker Swarm
* REDIS
* Tableu
* SMS

### Optional

* MS Workflow Engine
* MS Identity Server
* MInio
* ELK Stack
* Varnish Cache & HA Proxy

### RECOMMENDED WEB HOSTING PACKAGE- DEDICATED HOSTING

* Operating System : Windows Server
* MSSQL DB
* CPU : 4 core
* Memory: 32GB
* Domains: Single domain with subdomains
* Disk Space: 1 TB SSD
* Monthly Bandwidth: 50 GB
* Web Server Software – Kestrel

### BROWSER

* Chrome version: 56
* Firefox version: 51
* Internet Explorer:11
* Safari:13

### HARDWARE

The application is reliant on hardware interfaces to provide a seamless automated user experience.

* Computer with Windows 8 or 10 OS
* Compatible Browsers as specified in section 6.2.3

## PROJECT DELIVERY

### PROJECT MANAGEMENT

The Verbat development center strictly follows industry standards on quality. The project management is process governed by the Verbat Quality Management system and is put to verification through internal audit programs that happen from time to time. Verbat will dedicate a project manager for the proposed implementation. Verbat proposes Client to identify one project manager who will be driving activities to be undertaken by Client to be the single point of contact for Verbat.

### ROLES & RESPONSIBILITIES

Verbat will assign a dedicated Project Manager/Project Lead to lead the project, who will be the first point contact for Client. He/she will be responsible for planning and managing the various activities within the project. He/she will work closely with Client Project Manager, to give periodic status updates and ensure high level of visibility and comfort on the progress of the project. The Project Manager/Project Lead will lead the co-ordination between Verbat and Client, thus enabling smooth transitioning of Client requirements to the Verbat ’ offshore delivery team, and provide visibility as well as comfort on the progress of the services to Client.

He/she will have periodic meetings with Verbat ’ s Senior Management, thus ensuring Verbat ’ Management commitment and focus on Client initiatives.

### PROJECT IMPLEMENTATION PLAN

Verbat will be providing the solution in a stand-alone fixed bid approach which ensures minimum viable solution for quick wins with core focus on the long-term business objective and outcome. Once the implementation is over, Verbat will initiate the application maintenance process (once the maintenance contract is signed) which continues to extend after the implementation.

### DELIVERABLES

* Project Plan
* Software Requirement Specification Document (SRS)
* Data Model / Data Dictionary
* UI/UX Design
* User Manuals / Administrative Manuals
* Test plan and deliverables (testing scenarios and scripts)
* Source Code, Deployment Scripts, Database scripts,
* Deployment Architecture
* Fully Developed & Tested Application

### TRAINING

* Administrators (Technical training)
* Approvers
* Management
* User manuals (Arabic & English)

### DELIVERY ACTIVITY SUMMARY

|  |  |
| --- | --- |
| Activities | Description |
| Detailed requirement Analysis | Verbat team to conduct detailed study of requirement for the phase. If clarification is required, team will reach out to Client for more information and/or time for discussions. |
| DB Design | DB design for central and test DB. |
| Software Requirement Specification document (SRS) | Once the requirement analysis is completed, Verbat team will submit the SRS document for approval |
| UI/UX Design, Prototyping | Based on the SRS, Verbat UX/UI team will work on the UI/UX of the screens and submit for approval |
| Functional Specification Document (FS) | Once the UI/UX is approved, Verbat shall submit an FS document for approval. |
| Development | Actual system development starts based on the FS. This involves detailed design and software development of Web Application. |
| Testing | Test Planning, test plan creations, internal, integration testing and user acceptance testing. |
| Deployment | Deploying the latest built in the Verbat Test Server. |

### ESTIMATED DELIVERY TIME

The effort estimated for delivering the application will be as below:

* 00 UAE working days for the UI/UX from the date of approval of the SRS
* 00 UAE working days for the development of the application from the Date of Approval of the FS.

| **Activity** |
| --- |
| Contract Signoff (T0) |
| Project Initiation & Initiating requirement gathering |
| Software Requirement Specification Document(SRS) |
| SRS Approval (T1) |
| System UI/UX-Complete |
| System UI/UX-Approval (T2) |
| Functional Specification (FS) |
| FS Approval (T3) |
| Development Phase-Complete |
| Perform QC (Unit Testing and Integration Testing) |
| System ready for UAT |
| UAT Acceptance on Verbat server (T4) |

* The above-mentioned timeline is in UAE Working Days
* The initiation of the UI/UX development is dependent on the confirmation of SRS. SRS will be submitted post the confirmation of the project along with LPO, signed proposal and advance payment
* The above mentioned timeline for development is post the confirmation of FS
* Documentation submitted after project initiation and system study supersedes any proposal or documentation submitted during initial requirement gathering / discussion / negotiation
* Project plan will be submitted post the confirmation of project with necessary payments
* Any delay in getting the approvals of deliverables from client will cause change in timelines and the revised timelines will be updated in weekly status reports shared with client after the project commencement
* All approvals and queries regarding the client requirement and any queries which may hinder the project advancement at any stage should be answered by the client within 24 hours from the time of initiation, failing which the time delay will get added to the actual effort and timeline which was estimated.
* On project confirmation, Verbat requires a lead time of minimum seven (07) days for resource mobilization.

### DEPLOYMENT DETAILS (AT CLIENT’S BEHEST)

* Client can opt for hosting the application at Verbat’ Server.
* If deployment is at the client’s server, responsibility of deploying the application onto the production environment after conducting the necessary acceptance testing will lie with the client unless and until Verbat ’ support is contracted for deployment.

### RELEASE PLANNING

* Client will be informed about the release date and time through email.
* Client performs the UAT

### RISK CONTINGENCY PLANNING

Verbat has identified various risk factors associated with this assignment and understands the impact of these risk factors on the project schedules. The objective of this section is to highlight for both Verbat and client, the risk factors, to analyze the impact of the risks on project execution, and to propose strategies to control and reduce the impact of the risk factor. These various risks, which could arise during the project, are tabulated below along with mitigation implementation.

| Type of risk | Impact | Risk Mitigation | Risk Handling |
| --- | --- | --- | --- |
| Scope Creep | H | Functions and features will be detailed in system requirement documents and will go through client approval. Once this document is approved, any change to requirement will go through change management review for possible impact assessment. | Proper change management procedure will be implemented. |
| Delay in customer feedback | H | The plan is prepared with enough lead-time for customer reviews and approvals.  The customer is indicated with the dates when the document is expected after review and approval. | The request for feedback will be escalated if not attended at the right time so that the schedules are not affected. Deemed acceptance criterion is set up front and will be followed. |
| Non-availability of necessary software’s, frameworks, database instances and infrastructure at client’s hosting environment(If hosting support is provided by Verbat ) | M | Client will be informed in advance on these requirements. | Possible impact to schedule. |
| Manpower attrition | L | All efforts would be made to ensure process dependence rather than being person dependent. As a risk mitigation plan Verbat will train backups. | A new person will be identified as early as possible, provided the required project-specific training and mentored by the senior members of the team to minimise impact of attrition on the project. |

*H-High, M-Medium, L-Low, NA-Not Applicable*

# PROJECT ASSUMPTIONS

The project solution and technology is created from the initial understanding of the requirement shared with Verbat through mails and meetings. The proposed solution is based on the following assumptions:

## OBJECTIVE

* The requirement is to develop RFP web Portal with the functionalities as defined in ‘Functional Requirements’ section

## DESIGN

* Client to provide Verbat with the branding guidelines.
* Color theme shall be provided by the client
* Client shall provide licensed images and logos in specified size & format
* Client shall provide the text and associated images for the proposed application. Text should be provided in digital format preferably in MS Word 2013 or above
* Verbat may use template based design for the application

## DEVELOPMENT

* The proposed application front end and backend would be developed in English
* Development Contingent upon timely feedback from client
* The client will finalize the functional requirements and UI/UX before the commencement of the development of the project
* Client shall approve the UI/UX for the web application before development work starts
* Final data needs to be entered by the client via the application
* Client will provide sample data to test the application
* Testing of web application will be done in latest versions of Google Chrome, Mozilla, Edge web browsers only
* Client will procure templates, SSL certificates (if applicable)
* Client will host and manage the application on infrastructure (server / cloud) recommended by Verbat for managing database and application backup inclusive of images
* Application and data backups are subject to the purchase of such services at an extra cost
* Internet connectivity is required for the functioning of the Web portal
* Effort would change after a detailed system study
* Data migration shall be considered as a separate phase post-delivery (not included in the effort estimate)
* Client shall procure the payment gateway
* Client shall procure the SMS gateway
* Client shall bear the cost related to Microsoft Work Flow Engine or similar tools
* Client shall bear the cost related to Identity server (if any)
* Although Docker, ELK stack, MS Identity Server, REDIS, Minio & .Net Core are grouped under the category of open source, additional costs may be incurred under special circumstances (E.G, when trying to scale out, customization of the third party tool UI interface, role management in Docker etc.)
* Client shall be responsible for costs associated to source code management (GitHub, bit bucket, Azure repos etc.)
* If client has preference for any tool other than the Standard open source integration and deployment tools (Jenkins, chef etc.) then client share bear the cost for the same.
* Client shall bear the costs for MS enterprise server editions as well as MSSQL enterprise server editions.
* Client shall provide documentation related to API integrations well in advance
* The estimate provided has taken into consideration a total of 10 API integrations. Additional integrations shall require renegotiation on the effort estimate.
* The proposed system and estimate are based on a minimum viable product. See detailed specification section for more information. For a fully scalable product, additional costs may be incurred for software and hardware resources that support scalability, availability, fault tolerance and elasticity. This relates to the performance requirement as well.
* In order to manage high availability and other reliability requirements, client shall consider solutions that include co-location, load balancers, caching proxies, SSD RAID arrays etc.
* The application shall be developed for English speaking users
* Application shall be responsive
* If Microsoft Workflow Engine (or other products with similar functionality) has been eliminated then the workflows shall be predefined along with the associated escalation matrix and approvals. A change in the workflow or introduction of new workflows shall be considered as part of change management.
* User roles and entitlements shall be predefined
* A predefined Excel or CSV format shall be agreed upon for the purpose of importing student profiles. This format shall not be changed during or post development.
* It is assumed that lookups for universities, embassies, majors etc. are API calls. The client shall provide documentation related to these API’s.

# **OUT OF SCOPE**

With the ever evolving digital market, the requirement should be clear to both the parties involved, hence the importance of mentioning the out of scope details of the project. Following are considered to be out of scope while creating this proposal:

* Purchase of images, fonts
* Any language other than English
* Migration of existing data / Database migration
* Content writing / proof reading / Data Replication / Manual data entry
* Content or image procurement or uploading or editing
* Audit Trail
* End user testing and load testing
* Developer account creation and Maintenance (Play Store)
* Adding new features to the application other than mentioned in the functional specifications. Such requests will be handled via change management. *For Change management details, please refer section titled “Change Management” in the*
* Annual Maintenance Contract (Bug fixing, debugging, enhancements) – Please refer section titled “Maintenance and Support”, unless contracted for.(refer to section 4.2)
* Hosting Infrastructure and Maintenance (web and email hosting), unless contracted for.
* Application Deployment on the server and respective stores, unless contracted for.
* Backup solution and Disaster recovery unless contracted for.
* Physical deployment onsite / installation of the application in devices and Physical connection, installation of system.
* Integration with third-party, if any, other than mentioned in the functional specifications
* Hardware Integrations / procurement and purchase
* SSL Purchase and installation, if any
* Plugin/template purchases, if any
* OS other than mentioned in the Hardware Interface
* Relevant / related software libraries
* Mobile Application development
* Data migration
* Arabic UI not considered
* Effort does not include mobile app development

## CHANGE MANAGEMENT

Any addition which comes out of the project scope, upon and after the launch of the application will be considered as change management. Verbat recommends the following change management procedure for the same.

* Any change which comes out of the project scope, which was discussed, documented, and mutually approved by both the parties in the requirement stage, will be carried out only through raising a change request.
* Change request will be studied and an impact analysis on the existing work flow will be performed.
* On finalizing the impact, effort estimation for the change will be calculated and raised as additional requirement.
* Verbat will initiate the change request only after getting a formal approval from the client for the additional changes raised.
* Any change from the scope will be charged at AED 1,200.00 per man day effort and approval from the clients will be availed before commencing on any change management.



## MAINTENANCE & SUPPORT

* Maintenance contracts by default are supported as per the basic SLA terms.
* AMC with Basic SLA is charged at 25 % of the total project value. Additional Effort/change management request will be added towards Total Value of the Project to determine the AMC value.
* Maintenance support is limited to providing application support for ensuring the consistency of the look-and-feel, bug fixes and user issues i.e. maintenance and support of the existing features of the application.
* Support does not in any way cover providing technical or other support to the end users. The maintenance agreement does not include functionality changes or feature additions which are handled as change requests which will be charged AED 1,200.00 per man day. AMC does not include server support, maintenance and application deployment.
* AMC charges will cover Off-Site Support and Debugging. Support includes E-mail, Telephone and Chat unless explicitly specified. In the event, the application is hosted with the client; necessary remote desktop connectivity should beprovided for carrying out maintenance activity.
* Gap in AMC - In case if the client does not opt an AMC for a year and want to renew it after that period, 50% of the AMC amount for the year for which AMC is not taken will also be payable if the client wishes to renew the AMC contract.

*Note:*

* *Please note that the AMC support shall start only after all the necessary sign-offs (AMC Document) to this effect have been given.*
* *It is not mandatory that the client should opt for an AMC (replace with perhaps: It is mandatory that the client opts for an AMC). The client will still be supported on an ad-hoc basis on an agreed man-day rate.*
* *AMC Payment Terms: 100% to be paid as advance.*

## SERVICE LEVEL AGREEMENT (SLA)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SLA Type** | **Max Response Time** | | **Max Resolution Time** | **Target** |
| Basic | 1  working day | 3 working days | | Request / incident / problem tickets |
| Advanced | 5 Business Hours | 12 Business Hours | | Request / incident / problem tickets |
| Priority | 3 Business Hours | 5 Business Hours | | Request / incident / problem tickets |

*Note:*

* *We provide Basic SLA as standard with AMC while Advanced and Priority SLAs attract additional charges.*
* *Time zone applicable (8:00 am to 5.00 pm, Sunday to Thursday)*

AMC Option:

Client can opt for time and material based Annual Maintenance, the details of which will be shared post the completion of project.

# **TERMS & CONDITIONS**

## ACCEPTANCE CRITERIA

* UAT (User Acceptance Test) sign off should happen within 07 Days from the first release of the application and the acceptance confirmation needs to be mailed to Verbat failing which Verbat will consider the project as approved by the client.
* Any comments or reason for rejection need to be documented and the same needs to be sent as an email from the official mail id of client to Verbat on or before 07 days from the first release.
* Timeframe for acceptance for any further release will be mutually agreed and finalized between client and Verbat depending on the UAT Comments

## WARRANTY

* Verbat shall provide a bug ﬁx warranty at no additional cost for 30 days from the date of acceptance of the project, for correction of any errors in the developed application that may be attributed to Verbat.
* However, this does not cover modifications by Client, or use of the application on an environment other than the proposed environment, or other circumstances outside Verbat’s reasonable control. In such a case Verbat reserves the right to charge for its services.
* All error corrections will be executed at Verbat India office. In the event of any need for on-site work, all expenses incurred for such trips will be payable to Verbat by Client.

## SOURCE CODE & INTELLECTUAL PROPERTY RIGHTS

* Upon completion of the Project and 100% completion of the payment, client will have access to the source code except for propriety codes, developer tools and third party applications etc.
* The solution offered will be the intellectual property of the client and will be made available to the client on an “unlimited license” basis.
* Modifications by third party/person: No person or organization, other than Verbat or any person authorized by Verbat in writing, has any permission to modify/change the software Solution to be eligible to get continued support from Verbat as per the support terms defined under this document.
* Liabilities/Damages: Verbat accepts no liability or damages of any kind arising out of use or non-use of the software delivered. The responsibility of testing of software lies with Client.

## GENERAL TERMS AND CONDITIONS

* Offer Valid for 30 calendar days from the date of submission of the Proposal.
* An average of 20 working days are assumed in a month.
* All the projects activities will be carried out from our off-shore development center in India
* All the documentation will be provided in English.
* Third party components may be used to develop this application.
* The scope of the project is to develop the Application as detailed in the scope of the project and mentioned in this proposal. Any changes or additions will have to go through change management.
* This proposal would have been derived or concluded from either the RFQ /RFP/data shared via email / information transferred during an initial requirement analysis meeting / tele-conversation. Verbat reserves the right to change the terms of this proposal as the final terms (including the costing), features & functionalities and timeline could change during the course of the project. Hence any fees quoted / timeline committed in this proposal may not be considered as final unless agreed and signed by both parties.
* Web Application will be best viewed only in the environment mentioned in the section Browser Compatibility
* All Source Codes and other project artefacts would adhere to the Verbat document templates and internal coding standards.
* The documents delivered to the client includes the ones mentioned under ‘Deliverables’ and these will adhere to Verbat’s internal document standards.
* Acceptance criteria shall be based on the clauses which were mutually discussed between Verbat and client at the Requirement Analysis phase and the same will be documented and approved by both parties through official emails
* In case Client requires any extension of the proposed acceptance schedule, the associated effort and cost of such extension can be mutually reviewed.
* For any circumstances if project needs to be put on Hold / Stop it requires minimum request notice period of 1 week along with duration for which request will be addressed by management and final decision on the request will be based on that
* If deployment is done in client’s server, Verbat cannot be held responsible for any performance issues arising due to hardware malfunctions.
* Client is responsible for data backup in case the application is not hosted on Verbat server.
* Source code will only be delivered or uploaded on the Production Server once the due payments are made.

## GENERAL ADMINISTRATIVE, TECHNICAL & FUNCTIONAL ASSUMPTIONS

* Detailed system study is required before the start of the project.
* During the requirement gathering phase, authorized personnel from the Client’s side is expected to be available for discussion and finalizing the HLD (High Level Design), before development commences.
* Type of reports and formats, if under the scope of the project, needs to be specified by Client before project sign off.
* Workflows if under the scope of the project, need to be specified/ confirmed by client before project signoff.
* Verbat assumes that all sign-offs from Client will be provided within agreed and specified timeframe.
* Client will provide all the necessary contents, both text and image, before starting the project in the format suggested by Verbat (if any).
* The client should provide the relevant information and data well in time for the execution of a related activity. Non- availability of this information or data may lead to an interruption of work which may result in a delay in delivery as well as additional costs to the client.
* Client should have/possess server with technical specifications as suggested by Verbat for the proposed application.
* Client will be provided with one time training (train the trainer) on how to use the application via video conference (maximum of 4 hours). Additional training requests will be charged.

# **FINANCIALS**

## WEB APPLICATION DEVELOPMENT

|  |  |  |
| --- | --- | --- |
| **No** | **Description** | **Amount (AED)** |
| 01. | Development of:   * Web Application |  |
|  | **Total Project Cost** |  |

*Note:*

* *The above cost is exclusive of VAT applicable in UAE*
* *The above cost is based on the initial understanding of the requirement grounded on the details shared by client. Any further changes in the scope or complexity if encountered during detailed system study/ analysis will call in for additional effort and time.*
* *The above cost does not include Application hosting, integration with any other third-party systems, deployment unless explicitly mentioned in this proposal.*
* *For feature additions, please refer section titled “Change Management “.*
* *LPO to be raised in the name of “Verbanet Technologies LLC” for project initiation*
* *Refer section 7.3 for ‘Mode of Payment’.*

### PAYMENT TERMS

* 30% () of total project value to be paid as advance along with the Purchase Order
* 40% () of total project value to be paid on confirmation of the UI/UX
* 30% () of the total project value to be paid on completion of Development and UAT on Verbat test server

*Note:*

*Payment should be made within 7 days from the date of invoice.*

## WINDOWS DEDICATED HOSTING – OPTIONAL

ITEM NO. DECSRIPTION AMOUNT (AED)

1. Windows Dedicated Hosting

TOTAL PROJECT COST

*Note:*

* *The above cost is exclusive of VAT applicable in UAE*
* *Refer “Windows Dedicated Hosting Proposal” for detailed Server specifications.*
* *Refer section 7.3 for ‘Mode of Payment’.*
* *LPO to be raised in the name of “Verbanet Technologies LLC” for project initiation*

### PAYMENT TERMS

* 100% advance payment along with Purchase Order to initiate Server purchase

*Note:*

*Payment should be made within 7 days from the date of invoice.*

### MODE OF PAYMENT

By Cheque to Verbanet Technologies LLC

OR

Wire transfer to our bank account

Bank Name : Emirates NBD

Account Name : Verbanet Technologies LLC

Account Number : 1011492858201

IBAN Number : AE61 0260 0010 1149 2858 201

Swift Code : EBILAEAD

Bank Address : Mamzar Branch, Dubai

*Note:*

* *Bank charges incurred during wire transfer to be borne by the client.*
* *Any local taxes / VAT applicable to be borne by the client*
* *Client invoices will include VAT charges in addition to the application cost*

# **CLIENT REFERENCES**

Education

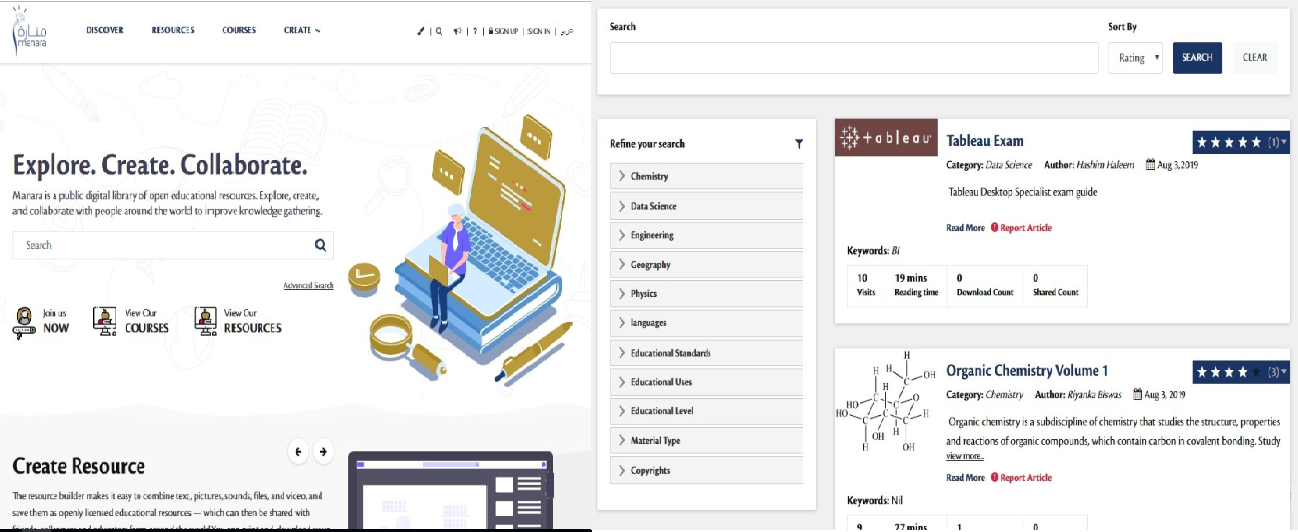
Transportation

**Client Name – Ministry of Education (MOE)**

Project Name: Open Educational Resource Platform (OERP)

Location: Dubai, U.A.E

Ministry of Education has requested Verbat to develop a UAE- Open educational resource platform (OERP). The aim of this platform is to provide a centralized online platform where UAE and others can view, share and contribute their contents. Furthermore, this portal will allow UAE-MOE to track and monitor the progress through a dashboard. All information related to OER such as issue date, source, current state, future state, release dates along with best practices shall be captured.

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**Client Name – Sharjah Commerce and Tourism Development Authority (Government of Sharjah)**

Project Name: Permit Issuance and Inspection System

Contract Type: Fixed Bid

Location: Sharjah, U.A.E

Established in 1996, the Sharjah Commerce and Tourism Development Authority (SCTDA) is tasked with promoting commercial and tourism activities in the emirate of Sharjah. Sharjah intends to provide a sustainable tourism product with a unique and distinct tourism experience in the desert areas of the emirate. This is geared towards attracting the interest of various tourism companies, specifically tour operators, to focus on Sharjah when organizing desert trips and desert adventures activities within these areas. Consequently, this would be beneficial to the tourism sector and will contribute further to Sharjah’s economy. Hence, the Sharjah government has decided to organize desert tourism activities through this project; the issuance of permits to all tour vehicles entering the desert areas of Sharjah for desert safari activities owned or operated by tour operators along with the day to day inspection tasks carried by inspectors who can issue fines and attach evidences for further actions.

Sharjah Tourism resource deployment model comprises of Offsite resource (Verbat Resource) and Onsite Project Manager (from client’s side)

**Client Name – MBC**

Project Name: Security Inspection System

Contract Type: Fixed Bid

Location: Dubai, U.A.E

Smart Security System facilitates a sophisticated and structured approach to execute the daily security checklist to be used by the security patrol users. In addition to the ability of recording concern/issues as well to be viewed at any time as reports.  The application includes different users like Super Admin, Branch Admin, Inspector, Resolver and Viewer. The Inspector user reports patrol issues and concern issues using android mobile application. Branch admin assign the patrol issues to the resolver. Viewer will be able to see the issues and concerns related to the particular branch.

**Client Name – Carrefour Hybrid Project**

Project Name: Software Quality Assurance Managed Services

Contract Type: Time & Material

Resource Deployment Model: Hybrid (Onsite + Offsite)

Founded in 1992, Majid Al Futtaim is the leading shopping mall, retail and leisure pioneer across the Middle East and North Africa (MENA).

A remarkable business success story, Majid Al Futtaim started from one man’s vision to transform the face of shopping, entertainment and leisure to ‘create great moments for everyone, every day’. It has since grown into one of the United Arab Emirates’ most respected and successful businesses spanning 13 international markets, employing over 27,000 people, and achieving the highest credit rating (BBB) among privately-held corporates in the Middle East.

Carrefour testing team comprised of 20 resources inclusive of Onsite Project Manager, Onsite Test lead and Offsite Test Engineers

**Client Name – Ministry of Foreign Affairs**

Project Name: VISA Scheduling System

Contract Type: Fixed Bid

Location: Dubai, U.A.E

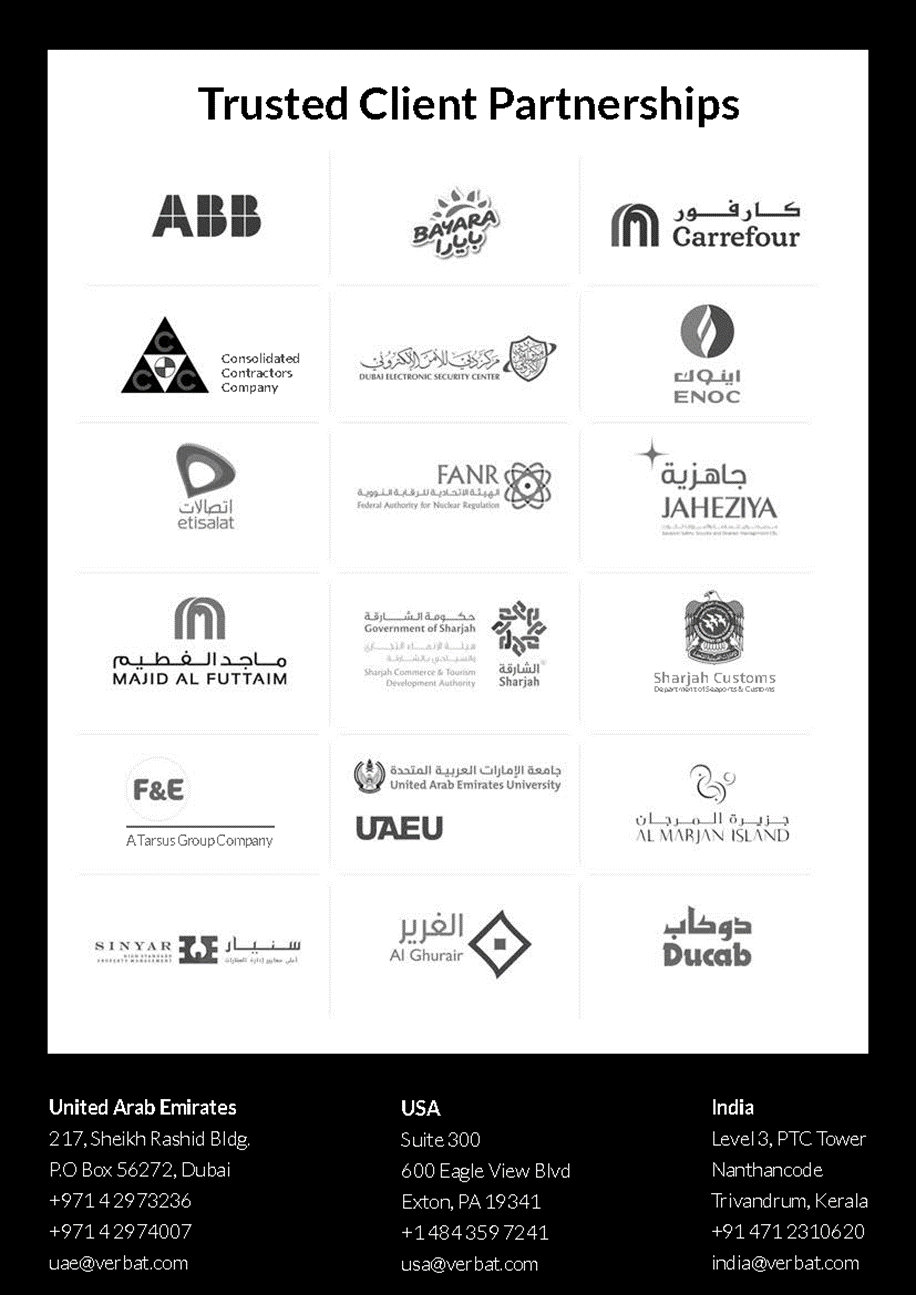
A web based application for the visa applicants and respected sponsors to schedule appointment for the security verifications. The system allows online payment facility. The application features include option for the sponsor to schedule appointments, option for the super admin to manage country and sites, manage other admin users and set e-mail/SMS notifications

# **ABOUT US**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Verbat Technologies | | 2017 | 2018 | 2019 |
| Number of Employees | UAE |  |  |  |
| Middle East |  |  |  |
| Globally |  |  |  |
| Number of relevant jobs | UAE |  |  |  |
| Middle East |  |  |  |
| Globally |  |  |  |
| Company Revenues | UAE |  |  |  |
| Middle East |  |  |  |
| Globally |  |  |  |
| Relevant Project Revenues | UAE |  |  |  |
| Middle East |  |  |  |
| Globally |  |  |  |





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