

FINANCE DIVISION SPBMU MIS FURTHER DEVELOPMENT AND SCHEMES MIS LINKAGE (SPFMSP MIS THIRD PHASE) MAXWELL STAMP PLC

Assignment name: Design and Development of the SPBMU MIS Third Phase under the Project Titled Initiating the Concluding Phase of SPFMSP component of SGSP

Country: Bangladesh

Location within country: Dhaka

Name of Client: Maxwell Stamp PLC

Duration of assignment (months): 6 months

Start date (month/year): 26th September 2018

Completion date (month/year): 25th March 2019

Name of associated Contractors, if any: N/A

Narrative description of Project:

Further Design and Development of Social Protection Budget Management Unit Management Information System (SPBMU MIS) and Linkage to MIS of other Schemes. This project also included the enhancement of the security features of the SPBMU MIS system, modules development of iBAS++, the central management system of Bangladesh Finance Division in order to integrate seamlessly with the SPBMU MIS, and last but not the least, integration with new schemes MIS for the rollout of the G2P Payment System as well as the Birth Registration System of Bangladesh etc.

Description of actual services provided by your staff within the assignment:

- Planning, design, development and implementation, and deployment of the SPBMU MIS Third Phase based on the ToR and the SRS document that will be prepared during the software requirements specification phase.
- System and software requirements analysis for coming up with a detailed list and description for each of the functional and non-functional requirements based on the clients' needs. This will be prepared in collaboration with the clients, stakeholders, and through field visits and meetings etc.
- Finalization of the development and implementation methodologies and revising the proposed work plan, if needed, in collaboration with the client by showing proper reasoning for each changes how they are best suited for the successful implementation of the project.
- System design and preparation of the design document for internal development team usage and reference that should identify the required components of the system, functional modules, database design, API design etc.
- Development and implementation of the system based on the SRS document and the system design and analysis reports and gathered data, covering the major schemes such as Secondary Education Sector Investment Program (SESP), Higher Secondary stipend Program (HSSP), and Freedom Fighters scheme of MoLWA.
- Development and improvement of the system in order to make it compatible with iBAS++ for communications.
- Further improvement of iBAS++ for rolling out Government to Person (G2P) payment system.
- Implementation of proper security measures to ensure the bullet-proof security of the system at every aspect.
- Development of the integration module in order to make the system interoperable with other

external systems through secure communications mechanisms and web services based API etc.

- Testing and quality assurance of the software features and other components of the developed system so that the system and the software come out virtually bug free and all components work properly as they should be.
- Revision of the proposed primary hosting requirements, configuration of the hosting server at the production environment so that the production environment is ready for the system to be deployed on.
- Performing an extensive User Acceptance Test (UAT) for the client and the users to test the system and report any changes that they might require, fixing any newly found issues and changing any features as per the requirement of the client.
- Review of the legacy data, planning on how to manage or deal with the data, perform required data cleansing if needed, and migration of the legacy data into the developed system database so that the migrated legacy data work seamlessly with SPBMU MIS Third Phase.
- Deploying the developed system on to the hosting server, configuring the system as needed, and testing if the application is functioning properly in the production environment.
- Conducting a thorough hands-on user and technical training and knowledge transfer program as per the proposed training plan, providing with training materials to the trainee such as handouts, user manuals, assignments/quizzes etc.
- Maintenance and support services in order for accommodating any new changes as and when they are required by the client, fixing bugs, maintaining the system and the environment regularly in order to ensure that the system runs smoothly all the time, and responding to the support requests as per the SLA.