

RAB CRIMINAL AFIS SYSTEM

RAB

Assignment name: Procurement of Up gradation of RAB Criminal AFIS System

Country: Bangladesh

Location within country: Dhaka

Name of Client: Rapid Action Battalion (RAB)

Duration of assignment (months): 4 months

Start date (month/year): 07th June 2021

Completion date (month/year): Ongoing

Name of associated Contractors, if any: N/A

Narrative description of Project:

The scope included planning of design, development and implementation, and deployment based on the requirement and specifications during the software requirements specification phase, 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 and supply and commissioning of the enrolment kit/application software and a web portal. Both the application software and web portal feature a multifactor authentication system which is used for the login feature that increases the security of both the application and portal. The search feature is modernized as now users can search with multiple criteria at a time. Data export and import facilities has been improved and the software up-gradation are maintained properly. Lastly an exclusive audit trail feature makes sure that the system is running without any corrupted or unwanted activities.

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

- Planning of design, development and implementation, and deployment of the RAB-Criminal AFIS based on the Client's requirement and Specifications 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.
- Performing primary requirements analysis feasibility test for the proposed design followed by delivering Inception Report/s.
- Conducting detailed requirements analysis followed by delivering Software Requirement Specification (SRS).
- Supply and commissioning of the enrolment kits to the client within the given timeframe maintaining the requirement specified in the RFP.
- Planning, designing and development of Database schema according to the requirement analysis & API details according to the system and database requirement analysis.
- Planning, designing and development of system prototypes of screen layouts and revising the proposed prototypes, in collaboration with the client and incorporating any client feedback regarding the prototype for the successful implementation of the project.
- Planning, designing, development and implementation of the Fingerprint Matching Engine to the client within the given timeframe maintaining the requirement specified in the RFP.
- Planning, designing, development and implementation of the Iris Matching Engine to the client within the given timeframe maintaining the requirement specified in the RFP.
- Planning, designing, development and implementation of the Face Matching Engine to the client

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- Planning, designing, development and implementation of the enrolment kit application/ software which features criminal enrolment, identification/verification, log management, reporting etc.
- Planning, Designing and development of RAB Criminal AFIS web portal which features dashboard, searching reporting, log management etc.
- 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.
- Migration of a set of existing CDMS data set without any loss into the RAB Criminal AFIS system.
- Integration of RAB's existing OIVS (Onsite Identification and Verification System) to give face matching facility through OIVS while searching in CDMS and allowing data entry from OIVS to CDMS.
- Conducting a thorough hands-on user and technical training and knowledge transfer program locally and on foreign soil as per the client's requirement.
- 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.
- 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.