

BANGLADESH PRISONER DATABASE MANAGEMENT SYSTEM (BPDMS)

UNDP, UNODC

Assignment name: Conceptualization, development, implementation and management of a PDMS solution for Bangladesh prison directorate to automate the prison operations and to create a digital information repository or database software for UNODC

Country: Bangladesh

Location within country: Dhaka

Name of Client: United Nations Development Programme (UNDP), United Nations Office on Drugs and Crime (UNODC)

Duration of assignment (months): 6 months

Start date (month/year): 25th November 2018

Completion date (month/year): 31st December 2020

Name of associated Contractors, if any: N/A

Narrative description of Project:

The offered solution included development, implementation and management of a prison database management system for Bangladesh Prison Directorate to automate the prison operations and to create a digital information repository. The project also included an effective management of any prison system is dependent on the ability to collect, store, maintain and access information on individual prisoners. The number of persons held in custody, their classification, along with their health and rehabilitative needs provide important information for prison managers to identify resources requirements, set budgets, manage health and safety, and develop appropriate rehabilitative and treatment programmes. At headquarters level, the consolidation of the data of all prisoners is a critical policy-making tool in order to identify trends and address problem areas, such as the number of prisoners awaiting trial or the special needs of particularly vulnerable prisoners.

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

- Collect system requirements and analyze business requirements
- Plan and design an efficient, robust architecture of the system
- Guide the technical team to execute the project based on planning
- Maintain communication between the stakeholders such as the client and the development team
- Analyze collected system requirements for designing database
- Guide programmers to develop required internal/external integration tools
- Designing Database based on system requirements
- Tuning Database for optimized performance
- Provide support for all kinds of system administration related required tasks
- System Testing and Q/A for all modules
- System Testing and Q/A for the internal/external Integration Tools
- Design, develop and implement application modules
- Conduct Unit Testing on developed module

- Develop Web Services API and System Integration Modules
- Preparation of Concept Design document
- Preparation of User Manual document and videos
- Creating Training Manual
- Provide support for all kinds of network related required tasks
- Creation of visual concepts (mock-ups) of the requirements
- Designing user-friendly, modern graphical user interfaces
- Preparation of training materials
- Conduct training for the users of the system
- Providing support for all kind of assistance related to user computer operations