INDIVIDUAL CONSULTANTS REQUIRED FOR SHORT TERM CONSULTANCY

Health Information & Service Delivery Unit, Primary & Secondary Healthcare Department, Government of Punjab intends to hire services of individual consultants on short term consultancy, against the work, qualification and experience as mentioned below:-

The department has planned to augment Computerization of Primary & Secondary Healthcare Department through Health Information & Service Delivery Unit (HISDU). The main objective of the project is automation and integration of routine work of the department. Under this project automation of the department with customized software/database design will be done. This exercise will be completed by introducing Information, Communication and Technology (ICT) tools in all areas.

Health Information & Service Delivery Unit requires support of following individuals:

Sr. No.	Nature of Consultancy & Total Positions	• Eligibility Criteria
1	Consultant Software Developer (EMR) (02)	• Qualification: MSCS / MCS / MIT / BSCS (Hons) / BSSE (Hons)/B.Sc (Hons) Electrical Engineering/ BS (IT) (Hons)/BS Telecom & Networks (Hons) or equivalent qualification from any HEC recognized University. • Experience: 01 years professional experience in Software Development / Programming. Must have good knowledge of SQL Server, ASP.Net or PHP, C # based software / web application development.
2	Consultant Software Developer (IRMNCH-EMR) (01)	• Qualification: MSCS / MCS / MIT / BSCS (Hons) / BSSE (Hons)/B.Sc (Hons) Electrical Engineering/ BS (IT) (Hons)/BS Telecom & Networks (Hons) or equivalent qualification from any HEC recognized University. • Experience: 04 years professional experience in Software Development / Programming. Must have good knowledge of SQL Server, ASP.Net or PHP, C # based software / web application development.
3	Consultant (Mobile Application Developer) (01)	• Qualification: MSCS / MCS / MIT / BSCS (Hons) / BSSE (Hons)/B.Sc (Hons) Electrical Engineering/ BS (IT) (Hons)/BS Telecom & Networks (Hons) or equivalent qualification from any HEC recognized University. • Experience: 01-year professional experience in Mobile Application Development for Android, HTML, IDS (Apple).
4	Consultant (Monitoring & Evaluation (M&E) (01)	• Master's Degree/B.Sc. (Hons) / (16 Years education) from HEC recognized university. • Experience: 01 year of professional experience in a reputed organization
5	Senior Consultant- System Network Administrator (01)	Master's degree (two years) (second division) in Computer Science or Information Technology or Telecommunication/Telecommunication Systems or Bachelor's degree (four years) (second division) in Information Technology or Telecommunication or Computer Science from a University recognized by the Higher Education Commission; and Two years post qualification experience of public sector organization in the following areas: (a)LAN or WAN • (b)hardware troubleshooting

The services of aforementioned individual consultants will be hired initially for the period till 31st December, 2021 through competitive process.

Application Instruction

➢ The hiring/recruitments will be made strictly on merit basis in accordance with the rules and selection criteria.
➢ Detailed terms of Reference (TORs), experience detail and application forms are attached and available at https://pshealthpunjab.gov.pk/Home/Jobs
➢ Only shortlisted candidates will be called for interview.
➢ No TA/DA shall be admissible for appearing in the interview.

- ➢ Consultancy Fee is Negotiable
- ➢ The application should clearly write the Nature of Consultancy applied for on one side of envelope along with Curriculum Vitae (CV), 01 passport size photograph and attested copies of all relevant documents, Copy of domicile, CNIC/Certificates/Degree.
- ➢ Late and incomplete applications will not be entertained.
- ➢ The interested individual consultants having expertise in above mentioned fields may submit their CV along with supporting documents in the office of the Deputy Director Health Information & Service Delivery Unit (HISDU), Primary & Secondary Healthcare Department, 1-Birdwood Road, Lahore till 17th June, 2021 before 5:00 PM. Interviews for individual consultancy will be conducted on 18th June, 2021 at 10:00 AM.

Deputy Director
Health Information & Service Delivery Unit, Primary &
Secondary Healthcare Department Phone No. 042-99202032

Job Description/Terms of Reference/Qualification requirements for consultants

1. **Consultant Software Developer (EMR)**
   Detailed Term of Reference (TORs)
   - Developing existing programs by analyzing and identifying areas for modification
   - Creating technical specifications and test plans
   - Maintaining systems by monitoring and correcting software defects
   - Writing and testing code and then refining and rewriting as necessary
   - Testing the product in controlled, real situations before going live
   - Maintaining the systems once they are up and running
   - Researching designing and enhancing software program
   - Testing new programs and fault finding
   - Perform maintenance programming and correction of identified defects
   - Create, documents, and implement unit test plans, scripts, and test harnesses
   - Producing detailed specifications and writing the programmer codes
   - Perform coding to written technical specifications
   - Integrating existing software products and getting incompatible platforms to work together

2. **Consultant Software Developer (IRMNCH-EMR)**
   Detailed Term of Reference (TORs)
   - Write well designed, testable, efficient code by using best software development practices.
   - Create website layout/user interface by using standard HTML/CSS practices.
   - Integrate data from various back-end services and databases
   - Gather and refine specifications and requirements based on technical needs.
   - Be responsible for maintaining, expanding, and scaling our site.
   - Stay plugged into emerging technologies/industry trends and apply them into operations and activities.
   - Troubleshoot website problems.
   - Determining user needs by analyzing technical requirements.
   - Work with graphics and other designers.
   - Conferring with teams to resolve conflicts, prioritize needs, develop content criteria, or choose solutions.
   - Identifying problems uncovered by customer feedback and testing, and correcting or referring problems to appropriate personnel for correction.
   - Constant communication with other colleagues in the business to develop and deploy their content and ensuring there is a clear establishment of what can be created within what timeframe.

3. **Consultant Mobile Application Developer**
   Detailed Term of Reference (TORs)
   - Mobile app developer lead the design, development and maintenance of Android and IPhone apps.
   - The developer lead the entire app Lifecycle right from concept stage until delivery and post launch support
   - Apps be mainly content based and integrated closely with the web sites
   - Acting as lead iOS and Android developer
   - Working closely with another mobile ape developer leading the other platform development
   - Deliver across the entire app life cycle -concept, design, build, deploy, test, release to app stores and support
   - Working along the web developers to create and maintain a robust framework to support the apps
   - Working with the front end developers to build the interface with focus on usability features
   - Standardizing the platform and In some cases apps to deliver across multiple brands with minimal
   - Explain technologies and solutions to technical and non-technical stakeholders
   - Optimizing performance for the apps

4. **Consultant (Monitoring & Evaluation (M&E)**
   Detailed Term of Reference (TORs)
   - Developing existing programs by analyzing and identifying areas for modification
   - Creating technical specifications and test plans
   - Maintaining systems by monitoring and correcting software defects
   - Writing and testing code and then refining and rewriting as necessary
   - Testing the product in controlled, real situations before going live

- ➢ Maintaining the systems once they are up and running
- ➢ Researching designing and enhancing software program
- ➢ Testing new programs and fault finding
- ➢ Perform maintenance programming and correction of identified defects
- ➢ Create, documents, and implement unit test plans, scripts, and test harnesses
- ➢ Producing detailed specifications and writing the programmer codes
- ➢ Perform coding to written technical specifications
- ➢ Integrating existing software products and getting incompatible platforms to work together

5. **Senior Consultant- System Network Administrator**
   Detailed Term of Reference (TORs)

- ➢ The System Network Administrator is responsible for Install, configure and support an organization's Local Area Network (LAN), Wide Area Network (WAN) and Internet system or a segment of a network system.
- ➢ Maintain network hardware and software. Monitor network to ensure network availability to all system users and perform necessary maintenance to support network availability.
- ➢ Supervise other network support and client server specialists and plan, coordinate, and implement network security measures
- ➢ Perform data backups and disaster recovery operations
- ➢ Operate master consoles in order to monitor the performance of computer systems and networks, and to coordinate computer network access and use
- ➢ Diagnose hardware and software problems, and replace defective components
- ➢ Plan, coordinate, and implement network security measures in order to protect data, software, and hardware
- ➢ New network deployment and installation of access points/CCTV cameras.
- ➢ Train staff about potential uses of existing technology
- ➢ To develop product specification for procurement of IT Equipment/ computer stationery.