

<b>Job Description</b>	
Designation	<b>Database Administrator (GIS)</b>
Department	MAPIT
Place	Bhopal
Job Code	
Job Type	Contractual ( 2 Years)

### **Job Description**

- Review of Software requirements and prepare a conceptual design for a planned database
- Design Database, Define Data types and build essential relationship between different entities of a RDBMS
- Write Database Scripts/SQL scripts, Store Procedures and execute the same on desired database
- Write Scripts to prepare different Database Views as per requirement
- Support Integration of software systems with external software system/third party software
- Maintain the data standards adherence to the Database and Data security Norms
- Install and test new/required versions of the DBMS
- Develop, manage and test database back-up and recovery plans
- Refine the logical as well as physical design of the Database to meet system software requirements as well as storage requirements
- Maintain/keep log of Database and Database Scripts Versions
- Administer and maintain different Database as well as Database user activities
- Administer and manage database users access and security, Control database access permissions and privileges
- Monitor and Optimize Database Performance and manage critical parameters enabling fast responses from Database server to end users
- Ensure proper functioning of storage and archiving procedures
- Involve in Capacity/Scalability planning ensuring optimum usage of resources towards database architecture
- Prepare Data Models, ER Diagrams
- Prepare database documentation, including data standards, procedures and definitions for the data dictionary (metadata)
- Work closely with project team and regularly coordinate with technical, applications and operational teams to ensure database integrity and security.

**Skills:**

- Good written and verbal communication including documentation skills
- Good understanding of complete SDLC (Software Development Life Cycle).
- Good understanding of spatial database, systems and software.

**Qualification / Skill and Experience**

<b>Profile</b>	
<b>Essential Criteria</b>	<b>Desirable Skills&amp; Experience</b>
<p><b>Qualification:</b></p> <ul style="list-style-type: none"><li>• B.E./B.Tech in Computer Science/ IT / or equivalent OR MCA/equivalent</li><li>• Valid Certification in database administration</li></ul> <p><b>Experience:</b></p> <ul style="list-style-type: none"><li>• Overall 4years of experience in Enterprise level Postgress database administration out of which minimum 1 year hands on experience in Spatial Databases</li></ul>	<ul style="list-style-type: none"><li>• Academic 60% or above from 10th onwards</li><li>• Experience of working on any other Geo-spatial database will be a plus</li><li>• Experience in providing support towards integration with external software system/third party software/database will be a plus</li></ul>