Educational Qualification and Roles & Responsibilities:

Role	Proposed Minimum Qualifications and Experience Requirements	Vacancies
Project Manager	**Qualification:** Essential - B. Tech./MCA/B.E Desirable-M. B. A. / M. Tech. / Professional Certification (PMP/ Prince 2 / SCM / ITIL Certification / others) **Experience:** ▪ Minimum 10 years overall, 5 years in software development and knowledge in Systems Architecture, Virtualization, IT Management, IT Security and Infrastructure, Cloud Computing, 3 years in Software Project Management, software development, and in an e-Governance project with knowledge in SRS preparation, managing projects involving the rollout of COTS or customized ERP application at the state level. ▪Program management methodologies, Technology Landscape, Government landscape, best practices in software development. ▪ Should have experience with open-source technologies and proficiency with micro services and Dockers **Responsibilities** 1. Managing software development team 2. Planning for development of new software and accommodating enhancements/changes in existing software. 3. Assigning work with time schedule to software development team 4. Scheduling of software releases in co-ordination with administration team and business analyst team. 5. Co-ordination with other departments for integration of application/ sharing of data. 6. Provide suggestion to administration team on increasing the productivity of software development. 7. Submission of progress reports as per the frequency set by administration team. 8. Assisting software development team in overcoming any technical issues faced during development of software. 9. Suggest on use of appropriate open source technologies	1

	for development of software.	
	10. Co-ordinate with hardware team for sizing of resources required to host software.	
Solution Architect	**Qualification:** Essential - B.Tech/ MCA. Desirable-MBA. / M.Tech. **Experience:** Minimum 12 years overall, 10 years of experience in architecting the digital platforms, comprising: ● National level platform similar to UPYOG ● Micro services based solution ● Open source-based solution Program management Methodologies technology Landscape, Government landscape, best practices in software development. • Knowledge of Kafka, Juul, Kibana, Grafana, Prometheus, AWS, GIT, CI/CD. • Designing event driven system. **Responsibilities** 1. Designing of scalable, high performance and robust software. 2. Development of architecture design in software model using tools. 3. Provide suggestion on appropriate technologies and software architecture to be used for development of software based on the requirement specification of software. 4. Involve in providing technical assistance to development team during development of code. 5. Review of software developed by team is as per industry standards. 6. Analyse and resolve performance bottlenecks in software. 7. Regular monitoring of software health and suggest for improvements. 8. Provide regular report to project manager. 9. Prepare software design document.	1

| System Analyst | **Qualification:**
BE/B.Tech/MCA from reputed institute.

Experience:
With at least 8 years of experience in Systems and Database Management and should have good web programming skills, basic HTML, JavaScript, Java8, JSP, experience in Unix or Linux, Shell scripting.

Should have worked on at least on full cycle software implementation and must have performed a significant role in requirements management, client interaction (including but not limited to requirements gathering, training)

<u>Responsibilities</u>

1. Maintenance of Oracle Database server, Set-up of Development/UAT/Production DB environments, DB Backup and Recovery. Review Application DB design, Trouble shooting, DB Management & DB Performance Improvement, Maintenance of Application servers (running on Linux OS & Windows). Monitor & Performance improvements of servers. Network Management, Security Management, Web server Management & Hosting Website.

2. Assisting the team in Application & Database design, development and implementation trouble shooting and application performance improvement. Technically strong in, Web Based Application development in JDK/JAVA8/ JSP/ Struts, Spring Boot, Micro services & JPA/Hibernate, React JS and J2EE related technologies Oracle database, other open source Database like MySQL, Postgress and Familiarity with any of No SQL databases. Familiarity with Swagger, Git, Jenkins & Maven.

3. Work with development team to resolve bugs.

4. Testing of bug-fixes, enhancements prior to production release.

5. Testing of bug-fixes, enhancements prior to production release. Development of detailed functional specifications for ad-hoc reports, enhancement. | 1 |

Supervisory Engineer	**Qualification and Experience :-** BE/B.Tech/M.Tech in civil with minimum 3 years of experience in GIS and Civil 3D and AutoCAD map 3D works out of which minimum 1 year as team leader Or Diploma in civil engineering with minimum of 6 years in GIS and Civil 3D and AutoCAD map 3D works **Responsibilities :-** 1. Preparation of maps, engineering drawings, and plan sets for public works construction projects incorporating plan and profiles, cross sections, and standard details using AutoCAD Civil 3D computer aided drafting and automated civil design software. Assist with project specifications and calculations of quantities, cost estimates and assessments. 2. Perform a variety of drafting and mapping operations including preparation of Survey maps, annexation maps, and other mapping related to municipal facilities and projects using computer aided drafting and automated civil design software. 3. Assist in preparation of municipal facilities mapping, and mapping of other land based features using ESRI ArcGIS software. 4. Assist with GIS related software installations and upgrades. 5. Assist City staff with technical support and guidance with GIS related software/websites. 6. To oversee the mapping and liking attribute activity. 7. To guide and monitor CADD/GIS operators 8. Coordinate between KSRSAC/PIU/PMU/ any concerned departments regarding Mapping activity. 9. Knowledge of field survey is desirable.	1
Software Developer	**Qualification:** Essential- MCA / B.Tech / B. E. with certification/specialization in domain Area Desirable- M. Tech **Experience:** Minimum 8 years 'experience, 5 years of experience in the following: ● Spring Boot, Micro services & JP A/Hibernat, React JS ● Skills in Java8 features like Streams, Lambda expressions, enhanced for loops, Parallel processing, etc.	10

	● Familiarity with Swagger, Git, Jenkins & Maven. ● Familiarity with any of No SQL databases ● Development of mobile applications. **Responsibilities** 1. Requirement analysis of the software in co-ordination with stake holders. 2. Development of software as per the assignment and time schedule provided. 3. Co-ordinate with team for understanding of design and develop code in adherence with the industry standards. 4. Deployment of application in test environment and co-ordinate with business analyst and testing team. 5. Analyse and develop enhancements and change request in software as informed by project manager. 6. Provide regular reports to project manager. 7. Prepare software design document.	
UI Developer	**Qualification:** B.Tech/ B.E/MCA with certification/specialization in domain Area **Experience:** Minimum 5 years 'experience, 3 years of experience in the following: ●Expert level of knowledge with XHTML| HTML5, CSS2|CSS3, Java Script, Jquery, React, Bootstrap AJAX and/or Java and Adobe Photoshop, Adobe Illustrator ● Experience with developing cross-platform (Android/IOS) UI/UX for mobile platforms. **Responsibilities** 1. Design effective and easy to use screens for software as per the requirement and time schedule. 2. Develop mock/prototype screens and provide demonstration of prototype to team. 3. Adhere to industry standards in development of code and maintain proper documentation. 4. Co-ordination with stakeholders during the design of screens 5. Report to project manager on regular basis.	1

Asst Business Analyst	**Qualification:** B.Tech/ B.E/MCA with certification/specialization in domain Area Desirable-M. Tech **Experience:** ▪ Min 5 years of experience in Business Analysis, Requirements Gathering, Requirements Documentation ▪ 3-5 years of expertise in specific municipal domains as required by the state. **<u>Responsibilities</u>** 1. Requirement Study, Requirements Management and Co-ordination with development Team. 2. Documentation/Functional & System requirements specification/User manual/ Technical documents preparation and making sure the documents are upto date. 3. Preparation of technical documents by analyzing scope, processes, alternatives, user cases and preparation of process flow diagrams. 4. Application Testing. 6. Co-ordination with ULB level users for Centralized Applications Operational Support & User Management.	2
Assistant Programmer	**Qualification:** Essential- M CA / B.Tech. / B. E. **Experience:** Minimum 2 years 'experience in the following: ● Spring Boot, Micro services & JPA/Hibernate, React JS ● Experience in developing software using Java8. ● Familiarity with any one RDBMS (Oracle, PostgreSQL, MySQL) ● Familiarity with any of No SQL databases • Knowledge of mobile application development is preferred. **<u>Responsibilities</u>** 1. Development of software as per the assignment and time schedule provided by Team Leader. 2. Co-ordinate with team for understanding of design and develop code in adherence with the industry standards. 3. Deployment of application in test environment and co-	4

	ordinate with Team Leader. 4. Analyse and develop enhancements and change request in software as informed by Team Leader 5. Provide regular reports to Team Leader. 6. Prepare software design document. 7. To carry out any other assignments as assigned by Team Leader.	
Accounts Executive	**Qualification:** B.Com **Experience:** ▪ Min 3 years of work experience in Auditing and Accounting in Public Sector / CA office as Article assistant or Audit Assistant. **Responsibilities** 1. Monitoring and verification of ULBs Audit and Accounts. 2. Visit to ULBs on regular basis across state to verify audit and accounts of ULBs.	6