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NISG, created as a public-private partnership (PPP) in 2002, provides strategic IT consulting, advisory, capacity building, and knowledge management services.

NISG is an accredited organization for conducting Government Enterprise Architecture using IndEA and TOGAF® Standard” training program by The Open Group.

## **Vacant Positions for Tamil Nadu, SeMT**

### **1. Head, SeMT**

#### **Qualification:**

- BE / B Tech / MCA in Computer Science/Information Technology/Engineering or related field
- Overall 15+ years of experience out of which 10 years in Project Management/IT Consulting and advisory services
- At least 6+ years’ experience in leading large projects end-to-end starting from requirements gathering through preparing DPR, RFP and Bid process management to managing deployments & SLAs
- Prior work experience in Management Consulting Firms/Government/Semi- Government Organizations Preferred

#### **No. of Positions: 1 (One)**

#### **Location: Chennai**

#### **Responsibilities:**

The objective of this job is to assist Tamil Nadu e-Governance Agency (TNeGA) in overall management of the e-Governance mission of the State. The job holder shall oversee the functioning of the SeMT team comprising professionals from the domains of Program Management, Finance, Technology and Change Management etc. He/She would work closely with TNeGA, line departments and NeGD for

successful implementation of the National e-Governance Plan (NeGP) and other e-Governance programmes of the State. The Head, SeMT will report to the Commissioner & Chief Executive Officer, TNeGA, where the SeMT is placed, with a dotted line reporting to the President & CEO, NeGD.

### **Program Management**

- Drive the implementation of various Mission Mode Projects, NeGP components and other State projects and highlight any issues/slippages to higher authorities
- Ensure that the different e-Governance projects being developed are in alignment with the overall objectives of NeGP
- Assist in overall appraisal of e-Governance projects
- Develop and establish suitable program monitoring framework for the State under guidance from TNeGA and NeGD
- Assist in procurement of required material/services for various e-Governance projects

### **SeMT Management**

- Oversee the functioning of SeMT and ensure that it is able to suitably meet the requirements of the State Government in implementation of NeGP
- Prioritize and allocate available resources/work to the SeMT personnel to ensure effective service delivery within the defined structure
- Clearly establish performance targets for the SeMT personnel in line with their assigned roles
- Identify developmental needs of the SeMT personnel and ensure that specific, need based training interventions are administered

### **Interagency Coordination**

- Interact with the State e-Governance Apex Committee and other relevant governance bodies to identify their issues and concerns in matters related to the implementation of NeGP
- Provide inputs to the State e-Governance Apex Committee and other relevant governance bodies on various matters related to e-Governance and help them understand and analyse the policy guidelines issued by various central agencies/ committees/ NeGD etc.
- Support State e-Governance Apex Committee in resolving interdepartmental coordination issues related to technical, architectural, support, inter dependency, standards, security, core,

support or shared infrastructure issues etc.

### **Capacity Building**

- Assist the individual departments of the State Government in putting an appropriate project Management Structure and dedicated team for conceptualizing and undertaking Governance projects in their departments
- In close coordination with the Capacity Building Management Cell (CBMC), assist the state Government in addressing the issues related to capacity building and training requirements.

### **Financial Management**

- Ensure financial appraisal of project reports received from the various state departments
- Manage the financial affairs of the SeMT and provide regular inputs to CEO of TNeGA / NeGD.

### **Technology Management**

- Proactively use the services of the technology experts in the SeMT as well as actively seek help from the NeGD technology team, in order to provide assistance to states in technology related matters

### **Miscellaneous**

- Ensure that the requirements of State departments in matters like preparation of EoI/ RFP/ Contracts/ PPP and other related matters are suitably addressed
- Identify Change Management needs of the department and formulate change management strategies in consultation with the TNeGA, line departments and external consultants as appropriate
- Support the State Government in the roll out of awareness and communication efforts as part of the NeGP

In addition to above Primary Responsibilities the incumbent may be assigned any other task from time to time by Secretary IT of the State/ Head of Nodal Agency.

### **Technical Skills:**

- Experienced in driving the solution architecture, design & development of technology driven enterprise systems for public sector/ Central Government/ State Government/ Private sector.
- Able to manage large programs through clear understanding of requirements, and formulating technology strategy driving solution architecture, selection of technology components

- Knowledge of and ability to apply emerging technologies such as Artificial Intelligence/Blockchain/Data Analytics fore-Governance
- Deeply conversant with all phases of software development life cycle as practitioner,manager.Significant experience in managing multiple large projects with lean/agile methodologies
- Driving a culture of quality and focus on user/customerexperience
- Experience leading innovation activities, R&D efforts, incubating ideas and drivingPoCs
- Abilitytoevaluatetheimpactoftechnologyongovernanceandsocietalaspects and influence development/implementation of technologypolicies
- Knowledge of/experience with information security, infrastructure security standards & practices, policies and best practices governing collection, processing and use of data, privacy issues, intellectual property (IPR)etc.,
- Proven ability to provide leadership to cross-functional teams consisting of experienced and senior technology professionals from vendors, partners and internal teams and apply the concepts of risk management, conflict management, stakeholder management and changemanagement.

**Soft Skills:**

- Ability to quickly understand e-Governance requirements and proposing appropriate technologysolutions.
- Ability to drive discussions with senior personnel regarding trade-offs, best practices, project management and riskmitigation.
- Ability to develop innovative solutions to complex business and technology problems.
- Excellent leadership and interpersonal skills
- Strongverbalandwrittencommunicationskills,includingtheabilitytopresent complex material to wide range of audiences in plainlanguage
- Ability to multi-task, manage projects, set time frames, and meetdeadlines
- Ability to work as team player, comfortable with fast paced, changing environment andambiguity.

**Click on the below link to Apply**

<http://careers.nisg.org/job-listings-head-semt-tamil-nadu-chennai-nisg-national-institute-for-smart-government-chennai-15-to-25-years-151120000600?xp=4>

## **2.Senior Consultant – Technology Management**

### **Qualification:**

- BE / B Tech / MCA in Computer Science/Information Technology or related field with MBA in ProjectManagement/equivalent
- Overall 10+ years of experience out of which 10 years in Project Management/IT Consulting and advisoryservices
- At least 6+ years' experience in leading large projects end-to-end starting from requirements gathering through preparing DPR, RFP and Bid process management to managing deployments &SLAs
- PriorworkexperienceinManagementConsultingFirms/Government/Semi- Government OrganizationsPreferred

### **No. of Positions: 1 (One)**

### **Location: Chennai**

### **Responsibilities:**

- Responsible for the complete project lifecycle starting from requirements gathering to preparing DPR, RFP and bid process management, providing projectmanagement
- Discuss with department stakeholders to understand the Department's process re-engineering needs, digital transformation requirements and perform detailed assessment of existing processes & ITsystems
- Coordinate across cross-functional projects, proactively identifying dependencies and risks between differentprojects
- Prepare functional and technical specifications for the ITsystems
- Prepare RFPs, participate in bid process management and assist in evaluation ofbids
- Establish project standards, guidelines, reporting mechanismsetc.,
- Drive adherence to project standards and ensure that project deliverables/initiativesareinteroperable,secureandscalableasperproject goals
- Prepare periodic status reports and present tostakeholders

- Review the operations and service level adherence of system integrators and other vendors.
- Analyze existing/proposed projects regarding strategic control, security, disaster recovery and business continuity objectives.
- Conduct Release Readiness reviews, Milestone Reviews, and Business Go/No-Go reviews
- Maintain a release repository and manages key release information
- Continually work towards making improvements in the process
- Support the user departments in the roll out of awareness and communication efforts.

#### Technical Skills:

- Experienced in driving the solution architecture, design & development of large enterprise class software systems for public sector/Central Government/State Government bodies.
- Significant experience in monitoring Agile Project Management implementation using agile methodologies (Iterative, Scrum, Kanban).
- Assessment of IT Infrastructure Implementation in Field offices, DC, DR and NLDR
- Assessment of Application Performance, Network and Infrastructure Performance using Enterprise Monitoring Systems
- Able to manage partners through clear understanding and ability to apply the concepts of risk management, conflict management, stakeholder management and change management.
- Proven ability to lead, monitor and motivate multiple vendors & software engineering teams
- Experience in designing/managing projects adopting Continuous Integration and Continuous Delivery methodologies
- Knowledge of/experience with information/product security standards is highly desirable
- Knowledge of emerging technologies such as Artificial Intelligence/Blockchain/Data Analytics is highly desirable

#### Business Requirement:

- Ability to quickly understand business requirements and proposing reference architectures and technology solutions.
- Ability to drive discussions with senior personnel regarding trade-offs, best practices, project

management and risk mitigation.

- Ability to develop innovative solutions to complex business and technology problems.
- Excellent leadership and interpersonal skills
- Strong verbal and written communication skills, including the ability to present complex material to wide range of audiences in plain language
- Ability to multi-task, manage projects, set time frames, and meet deadlines
- Ability to work as team player, comfortable with fast paced, changing environment and ambiguity

**Click on the below link to Apply**

<http://careers.nisg.org/job-listings-senior-consultant-technology-management-semt-tamil-nadu-nisg-national-institute-for-smart-government-chennai-10-to-20-years-151120000708?xp=1>

### **3. Senior Consultant – Full Stack Development**

#### **Qualification:**

- BE / B Tech / MCA in Computer Science/Information Technology or related field.
- 10+ years of experience in enterprise software development in a highly technical and analytical role
- At least 2+ years' experience in architecting/designing and developing multi-tier applications in Java.

**No. of Positions: 2 (Two)**

**Location: Chennai**

#### **Responsibilities:**

- Lead & manage a team of software developers, front-end and back-end development engineers, database administrators and business analysts
- Lead architecture and design of integrated e-governance systems across departments.
- Lead the design, development, implementation and maintenance of a suite of application programs, subsystems, revisions and enhancements
- Select apt design solutions and work alongside engineers to ensure the compatibility of system components

- Develop design specifications and other system-related documentation
- Provide technical guidance and support the development of systems components
- Do hands-on development of critical components
- Recommend changes to application design to improve efficiency and scalability
- Verify stability, interoperability, portability, security, and scalability of system architecture
- Work closely with all stakeholders including end user department, external vendors, start-ups and academic partners as needed
- Ensure compliance with established architecture, design patterns, policies, standards, and best practices
- Drive the adoption of standards and best practices and promote reuse.

### **Technical Skills:**

- Deep knowledge of enterprise architecture and design patterns
- Proven experience with one or more of
  - Core Java, Spring (ORM, Security, MVC, AOP and Integration Framework), Spring Boot and JPA /Hibernate
  - Node.js and JavaScript based full stack development
  - Web application development on LAMP (Linux Apache, MySQL and PHP) stack; strong experience with at least one of the frameworks Laravel/Symfony/CakePHP/Zend
- Should know any JMS implementations (ActiveMQ, RabbitMQ, IBM MQ etc.)
- Knowledge of/Experience with other back-end programming languages e.g. PHP, Python, Ruby, etc.,
- Front end development experience with JavaScript, AJAX, jQuery, ES6 and Bootstrap. Experience with at least any one front-end MV\* frameworks like Angular, React, Vue etc.,
- Should have experience with Relational Databases (SQL, PL/SQL), NoSQL (like Cassandra), Apache Ignite and Elasticsearch.
- Experience on Web services protocols like REST, SOAP and experience in developing using HTTP
- Experience with/good knowledge of secure application development practices, authentication frameworks for SSO etc.,
- Should have knowledge of Continuous integration and continuous deployment (CD/CI) using Git/CVS/SVN and Jenkins.
- Good knowledge of microservices architecture, Linux Container like Dockers and



orchestration platforms like Kubernetes, docker swarm and compose etc.

- Experience with cloud platforms (AWS, Azure, etc.) and cloud native design is highly desirable
- Experience with/Knowledge of emerging technologies like AI, Blockchain and Internet of Things (IOT)

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<http://careers.nisg.org/job-listings-senior-consultant-full-stack-development-semt-tamil-nadu-chennai-nisg-national-institute-for-smart-government-chennai-10-to-20-years-151120000614?xp=2>

#### **4. Senior Consultant - IT Infrastructure**

##### **Qualification:**

- BE/B.Tech/MCA or equivalent professional technical qualification with 10+ years experience in the IT industry
- At least 5 years of experience managing, configuring and troubleshooting hardware such as servers, routers/switches, firewalls, storage devices etc.,

##### **No. of Positions: 1 (One)**

##### **Location: Chennai**

##### **Responsibilities:**

- Design and implement short- and long-term strategic plans to ensure IT infrastructure components such as Servers/Storage/Network meet existing and future requirements.
- Develop, implement, and maintain policies, procedures, and associated training plans for IT infrastructure resources administration and appropriate use.
- Practice asset management, capacity planning, including maintenance of server/storage/network components inventory, life cycle management and related documentation.
- Conduct research and make recommendations on IT products, services, protocols, and standards in support of procurement and development efforts. Perform cost-benefit, ROI and TCO analysis for proposed systems to support implementation decisions.
- Plan, acquire, and coordinate installation of hardware and software as per department needs.
- Establish and monitor service level agreements with vendors & end user departments.

- Manage and ensure effectiveness of servers, their associated operating systems and software. Manage and ensure optimal operation of all network hardware and equipment, including routers, switches, hubs, UPSs, and soon.
- Manage and ensure effectiveness of security solutions, including firewalls, anti-virus solutions, and intrusion detection systems.
- Oversee the administration of software components such as user authentication systems, DevOps toolset etc.,

### **Technical Skills:**

- Experienced in configuration and troubleshooting of server hardware and network/storage systems
- Hands-on experience with server virtualization technologies such as VmWare, OpenStack etc.,
- Experience with the services like databases, data backup, anti-virus, streaming technologies
- Strong experience installing, administering & troubleshooting Linux server operating system platforms
- Knowledge of current protocols and standards in the areas of Core Switching/Routing, SSL/IPSec, SAN, Virtualization, Business Continuity, Disaster Recovery.
- Experience with open source application/infrastructure monitoring tools
- Experience setting up and administering DevOps environments is highly desirable
- Proficiency with any scripting languages such as Perl/Python/Unix Shell

### **Business Requirement:**

- Ability to quickly understand business requirements and proposing reference architectures and technology solutions.
- Ability to drive discussions with senior personnel regarding trade-offs, best practices, project management and risk mitigation.
- Ability to develop innovative solutions to complex business and technology problems.
- Excellent leadership and interpersonal skills
- Strong verbal and written communication skills, including the ability to present complex material to wide range of audiences in plain language
- Ability to multi-task, manage projects, set time frames, and meet deadlines
- Ability to work as team player, comfortable with fast paced, changing environment and ambiguity.

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<http://careers.nisg.org/job-listings-senior-consultant-it-infrastructure-semt-tamil-nadu-chennai-nisg-national-institute-for-smart-government-chennai-10-to-20-years-151120000455?xp=5>

**5.Consultant – Software Engineering Manager**

**Qualification:**

- BE / B Tech / MCA in Computer Science/Information Technology or related field.
- 4+ years of experience in enterprise software development in a highly technical and analytical role
- At least 3+ years' experience in leading/managing large full life cycle software development projects

**No. of Positions: 1 (One)**

**Location: Chennai**

**Responsibilities:**

- Responsible for the overall software development lifecycle.
- Management and execution against project plans and delivery commitments
- Coordinate across cross-functional projects, proactively identifying dependencies and risks between different projects
- Effectively manage Sprints within schedule and to excellent quality standards
- Conduct Release Readiness reviews, Milestone Reviews, and Business Go/No-Go reviews
- Maintains a release repository and manages key information such as build and release procedures, dependencies, and notification lists
- Continually work towards making improvements in the process.

**Technical Skills:**

- Experienced in driving the architecture, design & development of large enterprise class software systems.
- Significant experience in Agile Project Management implementation using agile methodologies (Iterative, Scrum, Kanban). Certifications in Agile methodologies such as CSM/A-

CSM/CSP-SM is highly desirable.

- Familiar with Sprint Planning, User Stories, Release Planning, Scrum Ceremonies Managing projects, Facilitating Requirements Gathering sessions.
- Able to manage partners through clear understanding and ability to apply the concepts of risk management, conflict management, stakeholder management and change management.
- Proven ability to lead, monitor and motivate multiple software engineering teams
- Experience in designing/managing projects adopting Continuous Integration and Continuous Delivery methodologies
- Knowledge of/experience with information/product security standards is highly desirable
- Knowledge of emerging technologies such as Artificial Intelligence/Blockchain/Data Analytics is highly desirable

**Business Requirement:**

- Ability to quickly understanding business requirements and proposing reference architectures and technology solutions.
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<http://careers.nisg.org/job-listings-consultant-software-engineering-manager-semt-tamil-nadu-chennai-nisg-national-institute-for-smart-government-chennai-4-to-9-years-151120000609?xp=3>