Advt. No. HARSAC/HSR/Recruitment/PP/2025/01

ONLINE APPLICATIONS ARE INVITED

Online Applications are invited from the eligible candidates for various posts on contractual basis under different projects. Detail in this regard may be downloaded from HARSAC website (www.harsac.org). The application form duly complete in all respects along with the self-attested photo copies of testimonials / certificates may be uploaded on the URL of https:register.cocubes.com/harsac-2025upto**20.07.2025. The portal will be opened w.e.f. 01.07.2025 and closed on 20.07.2025. The online MCQ examination will be held on 26.07.2025 and 27.07.2025**.The appointment in the projects will be purely on contractual basis and co-terminus with the project or earlier. It will not confer any right on the incumbent to any claim, implicit or explicit, on any post.

Director, HARSAC

Table 1: Requirement of contractual manpower in various projects of HARSAC

Sr. No.	Name of project
1.	Time Series Mapping of Kharif and Rabi Crops of Haryana – A Geospatial Approach
2.	Ease of Doing Project (EODB)
3.	DGPS Surveying of Prospective Mining Area in parts of Haryana
4.	Establishment of HARSAC Lab at District Level
5.	Establishment of GIS Cell at PHED, HQ, Panchkula
6.	Haryana Digital Agriculture Ecosystem
7.	Haryana Geospatial AI-Compute Capacity Mission
8.	Interoperable geo-intelligent CM-Gati Shakti Platform
9.	CORS Network Data and Its Equipment Management
10.	Sonipat Metropolitan Development Authority (SMDA)

Table 2: Consolidated number of posts and emoluments

Post Name	Total Number of Posts	Remuneration / Salary / Emoluments* (in Rs. Per Month)
1. Time Series Mapping of Kharif and Rabi Crops of Haryana – A Geospatial Approach		
1.1 PMP Certified Project Manager	01	Rs 119,582/- per month
1.2 Technical Content Writer	01	Rs. 90,000/- per month
1.3 Geospatial Officer (AI/ML)	01	
1.4 RA-III (Image Analyst)	01	
1.5 RA-III (Meteorologist)	01	Rs. 54000/- +HRA as applicable per month
1.6 RA-III (IoT)	01	
1.7 GIS Developer	01	Rs. 66150/-per month
1.8 Project Fellow (PF)	15	Rs. 25000/- plus HRA as applicable per month *Revised Salary Rs. 31,000/- P.M plus HRA as applicable.
1.9 Junior Software Engineer	14	Rs.31000/- per month
1.10 HR Manager	01	Rs. 70,000/- per month
2. Ease of Doing Project (EODB)		
2.1 Application Lead	01	Rs 1,38,008 /- per month
2.2 System Administrator	01	Rs 119,582/- per month
2.3 Senior Software Developer	01	Rs. 76,150/- per month
2.4 GIS Developer	02	Rs. 66,150/- per month
2.5 Software Developer	02	
2.6 Mobile Application Developer	01	Rs. 50,000/- per month
2.7 Jr. GIS Developer	01	Rs. 44,406/- per month
2.8 UI/UX Developer	02	Rs. 40,000/- per month

2.9 DevOps Engineer	01	Rs. 87,800/- per month
2.10 Security Analyst	01	Rs. 40,000/- per month
2.11 Junior Electrical Engineer	02	Rs. 31000/- per month
2.12 Computer Hardware Support Engineer	02	

3.   DGPS Surveying of Prospective Mining Area in parts of Haryana

3.1 Senior Technical Surveyor (DGPS CORS Network/ UAV & Drone	01	Rs.48720/- per month

4.   Establishment of HARSAC GIS Lab at District Level

4.1 Project Fellow (PF)	11	Rs. 25000/- +HRA as applicable per month *Revised Salary Rs. 31,000/- P.M plus HRA as applicable.

5.   Establishment of GIS Cell at PHED, HQ, Panchkula

5.1 Research Associate-I	01	Rs. 47,000/- +HRA as applicable per month

6.   Haryana Digital Agriculture Ecosystem

6.1 Team Lead	01	Rs. 1,77,580/- per month
6.2 Solution Architect	01	Rs. 1,53,944/- per month
6.3 Cloud/Server Manager	01	
6.4 Quality Assurance Specialist	01	Rs. 1,19,582/- per month
6.5 Geospatial Officer (AI/ML)	01	
6.6 Geospatial Officer (Image)	01	Rs. 9,0000/- per month
6.7 Geospatial Officer (Database)	01	
6.8 Dev-ops Engineer	01	Rs. 87,800/- per month
6.9 RA-III (Image Analyst)	01	Rs. 54000/- +HRA as applicable per month
6.10 Security Analyst	02	Rs. 40,000/- per month
6.11 Project Fellow (PF)	02	Rs. 25000/- +HRA as applicable per month *Revised Salary Rs. 31,000/- P.M plus HRA as applicable.
6.12 Junior Software Engineer	02	Rs. 31000/- per month

7.   Haryana Geospatial AI-Compute Capacity Mission

7.1 Team Lead	01	Rs. 1,77,580/-per month
7.2 Solution Architect	01	Rs 1,53,944/- per month
7.3 Sr. Software Test Engineer	01	Rs. 1,19,582/-per month
7.4 Cloud/Server Manager	01	Rs 1,53,944/- per month
7.5 Geospatial Officer (AI/ML)	01	
7.6 Geospatial Officer (Image)	01	Rs. 9,0000/- per month
7.7 Geospatial Officer (Database)	01	
7.8 Dev-ops Engineer	01	Rs. 87,800/- per month
7.9 RA-III (Image Analyst)	01	Rs. 54000/- +HRA as applicable per month
7.10 Project Fellow (PF)	02	Rs. 25000/- +HRA as applicable per month *Revised Salary Rs. 31,000/- P.M plus HRA as applicable.
7.11 Junior Software Engineer	02	Rs. 31000/- per month

8.   Interoperable geo-intelligent CM-Gati Shakti Platform

8.1 Team Lead	01	Rs. 1,77,580/- per month
8.2 Scrum Master	01	Rs. 1,53,944/- per month

8.3 Solution Architect	01	
8.4 Cloud/Server Manager	01	
8.5 Geospatial Officer (AI/ML)	01	Rs. 9,0000/- per month
8.6 Geospatial Officer (Image)	01	
8.7 Geospatial Officer (Database)	01	
8.8 Legal and Technical Documentation Specialist	01	
8.9 Dev-ops Engineer	01	Rs. 87,800/- per month
8.10 RA-III (Image Analyst)	01	Rs. 54000/- +HRA as applicable per month
8.11 Project Fellow (PF)	02	Rs. 25000/- +HRA as applicable per month *Revised Salary Rs. 31,000/- P.M plus HRA as applicable.
8.12 Junior Software Engineer	02	Rs. 31000/- per month
9. CORS Network Data and Its Equipment Management		
9.1. Senior Geodetic Officer	01	Rs. 9,0000/- per month
9.2. Senior Technical Surveyor (DGPS CORS Network/ UAV & Drone	04	Rs.48720/- per month
9.3 Communication Engineer	02	Rs. 31000/- per month
10. Sonipat Metropolitan Development Authority (SMDA)		
10.1 GIS Expert/ Geospatial officer (Infrastructure)	01	Rs. 90000/- per month
10.2 Geospatial Officer (Data & Image services)	01	
10.3 Geospatial officer (IT or Development GIS application Module)	01	
10.4 GIS Software Developer	01	Rs. 60,000/- per month
10.5 Geospatial Assistant (Revenue/Cadastral)	01	
10.6 Geospatial Assistant (Survey)	02	
10.7 Geospatial Assistant (Data Acquisition & Processing)	01	
10.8 Geospatial Assistant (Quality Assurance and Standardization)	02	
10.9 Geospatial Assistant (Coordination & Support)	02	
10.10 Geospatial Assistant (GIS Software Developer)	02	
10.11 Geospatial Assistant (Property and Land Record Management and Printing & map Production)	01	

Remuneration/Salary/Emoluments is consolidated if HRA is not mentioned.

Table 3: Post-wise Qualification required

Sr. No.	Name of Post	Sr. No. of Project and Post	Total no. of Post	Qualification
1	Geospatial Officer (AI/ML)	1.3, 6.5	02	**Essential Qualification:** 1st class Bachelor's Degree or 1st class Master's Degree in Computer Science and Engineering/IT/Data Science/AI-ML/ Geoinformatics/Agricultural Science. Total 5 years of experience including 1 year in AI-ML/LLM. OR PhD in Computer Science and Engineering/IT/Data Science/AI-ML/Geoinformatics/Agricultural Science. Total 3 years of experience including 1 year in AI-ML/LLM. **Specialized Professional Experience (Desirable):** • Involvement in research projects or collaborations with agri-tech organizations/applications or government programs. • AI/ML Certifications (e.g., Google TensorFlow, AWS ML, Microsoft AI) • Data Science Certifications (e.g., IBM, Coursera) • HPC or cloud compute certifications (optional but useful) • Machine Learning & Deep Learning (e.g., CNNs, RNNs, Transformers) • Programming (Python, R, TensorFlow, PyTorch) • Cloud Computing (AWS, GCP, Azure) • High-Performance Computing (HPC) & GPU usage • Data Pipelines and Big Data tools (e.g., Spark, Hadoop) • GIS and Remote Sensing tools (e.g., QGIS, ArcGIS, Google Earth Engine) • Satellite data platforms (e.g., Sentinel, MODIS, Landsat) • AI platforms and notebooks (e.g., Jupyter, SageMaker, Colab)
		7.5	01	**Essential Qualification:** 1st class Bachelor's Degree or 1st class Master's Degree in Computer Science/Data Science/ AI-ML /Electronics/Electrical Engineering/IT/ Computational Engineering. Total 5 years of experience including 1 year in AI-ML/LLM/GPU tuning. **OR** PhD in Computer Science/Data Science/Artificial Intelligence- Machine Learning/Electronics/Electrical Engineering/Information Technology/ Computational Engineering. Total 3 years of experience including 1 year in AI-ML/LLM/GPU

				tuning. **Specialized Professional Experience (Desirable):** • Involvement in research projects or collaborations with IT organizations or government programs. • GPU tuning • AI/ML Certifications (e.g., Google TensorFlow, AWS ML, Microsoft AI) Data Science Certifications (e.g., IBM, Coursera) HPC or cloud compute certifications (optional but useful) • Machine Learning & Deep Learning (e.g., CNNs, RNNs, Transformers) • Programming (Python, R, TensorFlow, PyTorch) • Cloud Computing (AWS, GCP, Azure) • High-Performance Computing (HPC) & GPU usage • Data Pipelines and Big Data tools (e.g., Spark, Hadoop) • GIS and Remote Sensing tools (e.g., QGIS, ArcGIS, Google Earth Engine) Satellite data platforms (e.g., Sentinel, MODIS, Landsat) AI platforms and notebooks (e.g., Jupyter, SageMaker, Colab)
		8.5	01	**Essential Qualification:** 1st class Bachelor's Degree or 1st class Master's Degree in Computer Science and Engineering/IT/Data Science/AI-ML/ Geoinformatics/Urban Studies/Spatial Technology/Geology/Environmental Science. Total 5 years of experience including 1 year in AI-ML/LLM. **OR** PhD in Computer Science and Engineering/IT/Data Science/AI-ML/ Geoinformatics/Urban Studies/Spatial Technology/Geology/Environmental Science. Total 3 years of experience including 1 year in AI-ML/LLM. **Specialized Professional Experience (Desirable):** • Involvement in research projects or collaborations with Transport/Urban organizations or government programs. • AI/ML Certifications (e.g., Google TensorFlow, AWS ML, Microsoft AI) Data Science Certifications (e.g., IBM, Coursera) HPC or cloud compute certifications (optional but

				useful) • Machine Learning & Deep Learning (e.g., CNNs, RNNs, Transformers) • Programming (Python, R, TensorFlow, PyTorch) • Cloud Computing (AWS, GCP, Azure) • High-Performance Computing (HPC) & GPU usage • Data Pipelines and Big Data tools (e.g., Spark, Hadoop) • GIS and Remote Sensing tools (e.g., QGIS, ArcGIS, Google Earth Engine) Satellite data platforms (e.g., Sentinel, MODIS, Landsat) AI platforms and notebooks (e.g., Jupyter, SageMaker, Colab)
2	RA-III (Image Analytics)	1.4, 6.9, 7.9	03	**Essential Qualification:** 1st Class Master's Degree in Computer Science and Engineering/IT/Agricultural Science/Biological Science/Physical Science/Environmental Science/Geoinformatics with 5 years of experience and at least one research paper in SCI listed Journals. **OR** PhD in Computer Science and Engineering/IT/Agricultural Science/Biological Science/Physical Science/Environmental Science/Geoinformatics with 3 years of experience and at least one research paper in SCI listed Journals. **Specialized Professional Experience (Desirable):** • AI/ML Certifications (e.g., Google TensorFlow, AWS ML, Microsoft AI) Data Science Certifications (e.g., IBM, Coursera) HPC or cloud compute certifications (optional but useful) • Machine Learning & Deep Learning (e.g., CNNs, RNNs, Transformers) • Programming (Python, R, TensorFlow, PyTorch) • Cloud Computing (AWS, GCP, Azure) • High-Performance Computing (HPC) & GPU usage • Data Pipelines and Big Data tools (e.g., Spark, Hadoop) • GIS and Remote Sensing tools (e.g., QGIS, ArcGIS, Google Earth Engine) Satellite data platforms (e.g., Sentinel, MODIS, Landsat) AI platforms and notebooks (e.g., Jupyter, SageMaker, Colab)
		8.9	01	**Essential Qualification:** 1st class Master's Degree in Computer Science and Engineering/IT/Urban Studies/Physical Science/Environmental Science/Geoinformatics with 5 years of experience and at least one research paper in SCI listed Journals.

				OR
				PhD in Computer Science and Engineering/IT/ Urban Studies/Physical Science/Environmental Science/Geoinformatics with 3 years of experience and at least one research paper in SCI listed Journals. **Specialized Professional Experience (Desirable):** • AI/ML Certifications (e.g., Google TensorFlow, AWS ML, Microsoft AI) Data Science Certifications (e.g., IBM, Coursera) HPC or cloud compute certifications (optional but useful) • Machine Learning & Deep Learning (e.g., CNNs, RNNs, Transformers) • Programming (Python, R, TensorFlow, PyTorch) • Cloud Computing (AWS, GCP, Azure) • High-Performance Computing (HPC) & GPU usage • Data Pipelines and Big Data tools (e.g., Spark, Hadoop) • GIS and Remote Sensing tools (e.g., QGIS, ArcGIS, Google Earth Engine) Satellite data platforms (e.g., Sentinel, MODIS, Landsat) AI platforms and notebooks (e.g., Jupyter, SageMaker, Colab)
3	RA-III (Meteorologist)	1.5	01	**Essential Qualification:** 1st Class Master's Degree in Remote Sensing/GIS/Geo-Informatics/Geography/Geo-Sciences/Environmental Science/Forestry/Agronomy/Agriculture/Computer Science/Agro-Meteorology /Meteorology/ Agro-Physics/ Statistics/ Mathematics from recognized University with 5-years experience in relevant field and at least one research paper in SCI listed Journals. **OR** Doctorate in Remote Sensing & GIS (utilizing Optical/Microwave Remote Sensing)/ Geo-Informatics/ Geography/ Geo-Sciences/ Environmental Science / Forestry / Agronomy / Agriculture /Computer Science / Agro-Meteorology/ Meteorology/ Agro-Physics/ Statistics/ Mathematics with use of Geo-spatial techniques in Ph.D. research work and 3-years of work experience in relevant field and at least one research paper in SCI listed Journals. **Specialized Professional Experience (Desirable):** • Work experience in using optical/ microwave remote sensing data

				• Work experience in using remote sensing data. • Work experience relevant to Artificial Intelligence/ Machine Learning (AI/ML), Agro-meteorology, Meteorology, Statistics
4	RA-III (IoT)	1.6	01	**Essential Qualification:** 1st class Master's Degree in IT/Computer Science and Engineering/Electronics & Communication/Geoinformatics from any university/ Professional Institution recognized by Government with Minimum 5 years of experience and at least one research paper in SCI listed Journal. **OR** Doctorate in Remote Sensing & GIS (utilizing Optical/Microwave Remote Sensing)/ Geo-Informatics/ Geography/ Geo-Sciences/ Environmental Science / Forestry / Agronomy / Agriculture /Computer Science/IT / Agro-Meteorology/ Meteorology/ Agro-Physics/ Statistics/ Mathematics with use of Geo-spatial techniques in Ph.D. research work and 3-years of work experience in relevant field and at least one research paper in SCI listed Journal. **Specialized work experience (Desirable):** • Basic Knowledge of AVR, PIC, ARM, RASPBERRY PI are required. • Basic knowledge of working with different kind of Sensors. • Must be passionate for learning new technology. • Knowledgeable on TCP/IP Networking concepts and protocols. • Must have experience working independently on Linux systems. • Able to write software scripts such as Python/Perl, Linux scripting, JavaScript, etc... • Experience with software testing using Gitlab or similar environment. • Familiarity with concepts like fire walling, • VPN/IPSEC, TLS, SNMP, PPP, NAT etc. • Familiarity with cellular technologies such as 3G, 4G/LTE, 5G etc.
5	GIS Developer	1.7	01	**Essential Qualification:** 1st class Bachelor's Degree or 1st class Master's in Computer Science/ IT/Geoinformatics/Geography/Civil Engineering/Electronics and Communication Engineering from a university/professional institution recognized by the Government, with at least 4 years post bachelor's degree and 2 years post Master's degree hands-on experience in GIS software development and application

				customization including GIS applications.
				Specialized work experience (Desirable):
				• Proficiency in **ArcGIS Platform (ArcGIS Pro, ArcMap, ArcGIS Enterprise, ArcGIS Online)**.
				• Experience with **ArcPy, ModelBuilder**, and **Python scripting** for GIS automation.
				• Strong knowledge of **web GIS development** using:
				• JavaScript (ArcGIS API for JavaScript)
				• HTML/CSS
				• REST APIs and Web Map services
				• Experience with **spatial databases** (PostGIS, SQL Server, or Oracle Spatial).
				• Experience working with **geospatial data formats** (shapefiles, GeoJSON, KML, raster data).
				• Knowledge of **version control** systems
6	Project Fellow (PF)	1.8, 4.1, 6.11, 7.9, 8.11	32	**Essential Qualification:** 1st class Master's Degree in Remote Sensing/GIS/Geo-informatics. **OR** 1st class Master's Degree in Agriculture/Agro-Meteorology/Forestry/Geography/Geology/Geophysics/Environmental Science/Environmental Management/Environmental Biology/Statistics/Botany/Mathematics/Physics/Water Resources/Urban Planning with P.G. Diploma in Remote Sensing/GIS/ Geo-informatics from a recognized university/ Institute. *Revised salary shall be paid to the Project Fellow having NET tests - CSIR, UGC NET including lectureship (Assistant Professorship) and GATE or should have cleared any National Level examinations such as DST/DBT/DOS/DAE/DRDO/ICAR/IISC etc.
7	Junior Software Engineer	1.9, 6.12, 7.11, 8.11	20	**Essential Qualification:** 1st class Bachelor's Degree or 1st class Master's Degree in Computer Science/Computer Applications/Geoinformatics/Electronics and Communication Engineering from a recognized university or institution. **Specialized work experience (Desirable):** • One year of relevant experience. • Familiar with programming languages such as **Java, Python, C#, JavaScript**, or **Node.js**. • Basic knowledge of **web technologies**: HTML5, CSS3, Bootstrap, JavaScript. • Strong Concept of Datastructure and OOPS • Exposure to **frontend frameworks** like **React**, **Angular**, or **Vue.js** (project or internship experience). • Understanding of **backend development** using **.NET, Java Spring Boot**, or **Node.js**.

				• Experience in working with **databases**: SQL (MySQL, PostgreSQL, SQL Server) and basic understanding of **NoSQL** (MongoDB). • Familiar with **RESTful APIs**, web services, and basic HTTP methods. • Experience using **Git** and platforms like **GitHub or GitLab** for version control. • Knowledge of **software development life cycle (SDLC)** and basic understanding of Agile/Scrum methodologies • Exposure to **mobile app development** for **Android (Java/Kotlin)** and/or **iOS (Swift)** platforms or any other plateform.
8	Application Lead	2.1	01	**Essential Qualification:** 1st class Bachelor's Degree or 1st class Master's Degree in Computer Science / IT / Geoinformatics / Geography / Civil Engineering /Electronics and Communication Engineering from a recognized university or institution with at least 10 years of hands-on experience post bachelor's Degree and 8 years of hands-on experience post Master's Degree in software development and application customization including GIS applications. **Specialized work experience (Desirable):** • Experience as a Developer, Tech Lead, or Module Lead • Experience managing full software lifecycle from design to deployment and support • Proficient in programming languages: **.NET (C#), Python, Node.js**. • Frontend development using **Angular, React, Vue.js, JavaScript, HTML5, CSS3**. • Mobile app development for **Android (Java/Kotlin)** and **iOS (Swift)**; familiarity with **Flutter** and **React Native**. • Backend and API development, **Node.js, Express.js**, and RESTful services. • Strong database skills: **SQL (PostgreSQL, MySQL, Oracle, SQL Server)** and **NoSQL (MongoDB, Redis)**. • Experience with **GIS application integration**: PostGIS, ArcGIS Server/Online, GeoServer, and spatial APIs. • Integration of **payment gateways** • Familiarity with **microservices architecture**, modular design, and enterprise application architecture. • Skilled in **DevOps practices**, including **CI/CD pipelines**, containerization (Docker), and testing frameworks. • Proficient with version control systems such as **Git, GitHub, GitLab**. • Preference will be given -Project Management: **PMP (Project Management Professional), PRINCE2**. Agile/Scrum: **Certified ScrumMaster (CSM)**, SAFe certifications.

				Technology certifications: Microsoft Azure Developer/Architect, AWS Developer/Architect, Esri GIS
9	System Administrator	2.2	01	**Essential Qualification:** 1st class Bachelor's Degree or 1st class Master's Degree in Computer Science / IT / Geoinformatics from a university/professional institution recognized by the Government with at least 8 years of hands-on experience post bachelor's Degree and 6 years of hands-on experience post Master's Degree in software development and application customization including GIS applications. **Specialized work experience (Desirable):** • Experience managing enterprise IT infrastructure or data centers • Familiarity with System disaster recovery planning and execution • CompTIA A+, Network+, or Linux+ • Microsoft Certified: Windows Server Administration • Red Hat Certified System Administrator (RHCSA) • AWS Certified SysOps Administrator (for cloud-based roles) • Operating Systems: Windows Server, Linux/Unix, macOS • System monitoring and performance tuning • Networking (TCP/IP, DNS, DHCP, firewalls) • Shell scripting (Bash, PowerShell) • Virtualization (VMware, Hyper-V, KVM) • Configuration tools (e.g., Ansible, Puppet, Chef) • Backup and recovery tools (e.g., Veeam, Acronis) • Monitoring tools (e.g., Nagios, Zabbix, SolarWinds) • Ticketing systems (e.g., ServiceNow, Jira) • Patch management and antivirus • User access control and permission auditing • Familiarity with cybersecurity best practices and compliance standards
10	Senior Software Developer	2.3	01	**Essential Qualification:** 1st class Bachelor's Degree or 1st class Master's Degree in Computer Science / Computer Applications/IT/Geoinformatics from a recognized university or institution with at least 5 years of hands-on experience post Bachelor's Degree and 3 years of hands-on experience Post Master's Degree in software development and application customization including GIS applications. **Specialized work experience (Desirable):** • Proficient in programming languages: .NET (C#), Python, Node.js. • Strong front-end skills using Angular, React, Vue.js, JavaScript, HTML5, CSS3. • Experience in developing Web and REST APIs

				using Node.js, .NET, and Express.js frameworks. • Knowledge of ASP.NET, SQL Server, PostgreSQL, and architectural design patterns. • Skilled in API development, documentation, process flow mapping, and optimization of data exchange. • Expertise in relational databases: PostgreSQL, MySQL, Oracle, SQL Server.Familiar with NoSQL databases: MongoDB, Redis. • Experience in developing GIS applications and integrating with spatial databases. • Proficient in building location-tracking mobile app APIs and GIS-based dashboard visualizations. • Ability to plan and design databases, implement efficient data models, and resolve complex bugs. • Experienced in billing/payment workflows and integration with payment gateways . • Worked on performance tuning and server response optimization in real-time data environments. • Developed full-stack web applications and exposure to mobile app development and integration. • Knowledge of spatial data standards and experience with PostGIS, any GIS Server • Capable of preparing and maintaining clean, modular, and reusable code across .NET and Node.js environments. • Excellent skills in team handling, task delegation, and project monitoring.
11	GIS Developer	2.4	02	**Essential Qualification:** 1st class Bachelor's Degree or 1st class Master's Degree in Computer Science /Computer Applications/IT/AI-ML/Data Science/ Geoinformatics/Remote and GIS from a recognized university or institution, with at least 5 years of hands-on experience post Bachelor's Degree and 3 years of hands-on experience post Master's Degree in software development and application customization including GIS applications. **Specialized work experience (Desirable):** • Proficiency in ArcGIS Platform (ArcGIS Pro, ArcMap, ArcGIS Enterprise, ArcGIS Online). • Experience with ArcPy, ModelBuilder, and Python scripting for GIS automation. • Strong knowledge of web GIS development using: • JavaScript (ArcGIS API for JavaScript) • HTML/CSS • REST APIs and GeoServices • Experience with spatial databases (PostGIS, SQL

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				Server, or Oracle Spatial).
				• Knowledge of version control systems like Git. Any relevant certification
12	Software Developer	2.5	02	**Essential Qualification:** 1st class Bachelor's Degree or 1st class Master's Degree in Computer Science/Computer Applications/IT/AI-ML/Data Science/ Geoinformatics/Remote Sensing and GIS from a recognized university or institution, with at least 3 years of hands-on experience Post Bachelor's Degree and at least 1 year of hands-on experience Post Master's Degree in software development and application customization including GIS applications. **Specialized work experience (Desirable):** • Proficiency in ArcGIS Platform (ArcGIS Pro, ArcMap, ArcGIS Enterprise, ArcGIS Online). • Experience with ArcPy, ModelBuilder, and Python scripting for GIS automation. • Strong knowledge of web GIS development using: • JavaScript (ArcGIS API for JavaScript) • HTML/CSS • REST APIs and GeoServices • Experience with spatial databases (PostGIS, SQL Server, or Oracle Spatial). • Knowledge of version control systems like Git. Any relevant certification
13	Mobile Application Developer	2.6	01	**Essential Qualification:** 1st class Bachelor's Degree or 1st class Master's Degree in Computer Science /Computer Applications/IT/ AI&ML/ Data Science/ Geoinformatics from a recognized university or institutionwith at least 3 years of hands-on experience post Bachelor's Degree and 1 year of hands-on experience post Master's Degree in software development and application customization including GIS applications. **Specialized work experience (Desirable):** • Android and IOS development experience (6 months-2 years) • Geo Enbaled Mobile Application • Hands-on experience with **Android (Java/Kotlin)**and **iOS (Swift, Objective-C)** development. • Familiarity with **Cocoa Touch** and iOS frameworks like **Core Data**, **Core Animation**, **Core Graphics**, and **Core Text**. • Proficient in using **Android SDK**, third-party libraries, and location APIs. • Experience working with **Java Native Interface (JNI)** (preferred).

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				• Ability to write and debug **cross-platform mobile code** (Flutter/React Native). • Solid understanding of **object-oriented programming (OOP)** principles. • Development of **GIS-based mobile apps** with location tracking and spatial data layers. • Integration with **map SDKs** • Experience working with **GPS**, geofencing, and spatial data formats. • Working knowledge of **SQL, MySQL, PostgreSQL**, and mobile database integration • API code writer will be given added advantage.
14	Jr. GIS Developer	2.7	01	**Essential Qualification:** 1st class Bachelor's Degree or 1st class Master's Degree in Computer Science /Computer Applications/IT/AI-ML/Data Science/ Geoinformatics/Remote Sensing and GIS from a recognized university or institution with at least 1 year of hands-on experience in software development and application customization including GIS applications. **Specialized work experience (Desirable):** • Knowledge of APIs and Frameworks. • Familiar with programming languages such as **Java,** Experience in Advance Python.**C#, JavaScript**, or **Node.js**. • Basic knowledge of **web technologies**: HTML5, CSS3, Bootstrap, JavaScript. • Strong Concept of Datastructure and OOPS • Exposure to **frontend frameworks** like **React, Angular**, or **Vue.js** • Understanding of **backend development** using **.NET, Java Spring Boot**, or **Node.js**. • Experience in working with **databases**: SQL (MySQL, PostgreSQL, SQL Server) and basic understanding of **NoSQL** (MongoDB). • Familiar with **RESTful APIs**, web services, and basic HTTP methods. • Experience using **Git** and platforms like **GitHub or GitLab** for version control. • .Online GIS certifications (e.g., Coursera, Udemy, edX) • Optional: Python programming certificates (e.g., PCAP)
15	UI/UX Developer	2.8	02	**Essential Qualification:** 1st class Bachelor's Degree or 1st class Master's Degree in Computer Science /Computer Applications/IT/AI-ML/Data Science/Geoinformatics from a university/professional institution recognized by the Government with at least 1 year of hands-on experience in industry standard web design

				frameworks and application customization including GIS applications.
				Specialized work experience (Desirable):
				• 3 years experience in UI/UX design projects
				• Portfolio of design work showing UX process and visual design
				• Internship or freelance experience in digital product or web/mobile design
				• Wireframing& Prototyping: Figma, Sketch, Adobe XD, InVision
				• Visual Design: Photoshop, Illustrator, Canva
				• Responsive & Mobile-first Design Principles
				• Design Systems and Style Guides
				• Google UX Design Certificate
				• Nielsen Norman Group UX Certification
				• Adobe Certified Professional
				• Basic HTML/CSS/JavaScript knowledge (a plus, not mandatory)
				• Collaboration tools: Miro, Notion, Trello, Jira
16	DevOps Engineer	2.9, 6.8, 7.8., 8.9	04	**Essential Qualification:** 1st class Bachelor's Degree or 1st class Master's Degree in Computer Science/IT/AI-ML/Data Science/Geoinformatics from a university/professional institution recognized by the Government with at least 3 years of hands-on experience in software development and application customization including DevOps specialization. **Specialized work experience (Desirable):** • Linux (Ubuntu, CentOS, Red Hat), Windows Server, Bash, Python, PowerShell, Jenkins, GitLab CI/CD, CircleCI, Git (GitHub, GitLab, Bitbucket), Docker, Podman, Kubernetes, Helm, Terraform, Ansible, CloudFormation, AWS, Azure, GCP, Prometheus, Grafana, ELK Stack, Datadog, AWS Certified DevOps Engineer – Professional, Certified Kubernetes Administrator (CKA), Microsoft Certified: DevOps Engineer Expert, Docker Certified Associate • Design and maintain **automated CI/CD pipelines** for seamless code integration and deployment • Implement **monitoring and alerting** systems for high availability and performance optimization. • Automate routine infrastructure tasks to improve system reliability and speed of delivery. • Collaborate with development and QA teams to support smooth software delivery. • Ensure security compliance and manage secrets and credentials securely.

| 17 | Security Analyst | 2.10, 6.10 | 03 | **Essential Qualification:**
1st class Bachelor's Degree in IT/Computer Science and Engineering/Computer Applications/Electronics & Communication from any university/ Professional Institution recognized by Government with 1 years of relevant experience
OR
1st class MCA OR 1st class M.E./M.Tech in IT/CSE/ Electronics & Communication/Computer Applications from any university/Professional Institution recognized by Government.

Specialized work experience (Desirable):
• Monitoring systems for threats, intrusion detection/prevention (IDS/IPS), log analysis
• **Security Information and Event Management (SIEM)**
• **Vulnerability Assessment & Penetration Testing**: Nessus, OpenVAS, Metasploit
• **Incident Response & Forensics**: Handling real-time security incidents, root cause analysis, incident documentation
• **Risk Assessment & Compliance**: Knowledge of **ISO 27001**, **NIST**, **GDPR**, and **SOC2**
• **Endpoint Security & Antivirus**: CrowdStrike, Symantec, McAfee, Windows Defender ATP
• Configuration and monitoring of firewalls, VPNs, and network segmentation
• AWS/Azure/GCP security features and best practices
• **Scripting & Automation**: Basic scripting with **Python**, **PowerShell**, or **Bash**
• Identity and Access Management (IAM), Single Sign-On (SSO), Multi-Factor Authentication (MFA)
• Certifications (preferred but not mandatory)
• CompTIA Security+
• Certified Ethical Hacker (CEH)
• Certified Information Systems Security Professional (CISSP)
• Microsoft SC-200, AWS Security Specialty, or GIAC certifications |
| 18 | Research Associate-I | 5.1 | 01 | **Essential Qualification:**

1st Class Master's Degree in Urban Planning/ Remote Sensing/GIS/Geo-Informatics/ Geography/Geo-Sciences/ Environmental Science/ Computer Science from recognized University with 3 year experience in remote sensing/GIS.

OR
Ph.D. in Urban Planning/ Remote Sensing & GIS (utilizing Optical Remote Sensing)/ Geo-Informatics/ Geography / Geo-Sciences/ Environmental Science/ Computer Science with |

				use of Geo-spatial techniques in Ph.D. research work. At least one research Paper published in peer-reviewed Journal after fulfilling essential qualification. **Specialized work experience (Desirable):** • Work experience in using optical remote sensing data • Work experience relevant to Artificial Intelligence/ Machine Learning (AI/ML) technique *Revised salary shall be paid to the Research Associates-I having the above qualifications with at least one Research paper published in Science Citation Indexed (SCI) journal.
19	Team Lead	6.1, 7.1, 8.1	03	**Essential Qualification:** 1st class Bachelor's Degree or 1st class Master's Degree in Geoinformatics/GIS & Remote Sensing/Geography/Computer Science/Computer Applications/Information Technology/Civil Engineering/Environmental Engineering/Environmental Science/Urban/ Regional Planning from a university/professional institution recognized by the Government, with at least 15 years of hands-on experience in software development and application customization including GIS applications. **Specialized work experience (Desirable):** • Prior roles as Developer, System Engineer, or Tech Lead • Experience in designing and implementing end-to-end solutions • AWS Certified Solutions Architect (Associate/Professional) • Microsoft Certified: Azure Solutions Architect Expert • Google Cloud Professional Cloud Architect • TOGAF (for enterprise architecture) • Cloud Platforms (AWS, Azure, GCP) Networking & Security Application & System Integration Database Management (SQL/NoSQL) DevOps tools & CI/CD pipelines API Management • Architecture modeling tools (e.g., ArchiMate, Visio) • Project management tools (e.g., JIRA, Confluence) • Monitoring & logging tools (e.g., CloudWatch, Prometheus)
20	Solution Architect	6.2, 7.2, 8.3	03	**Essential Qualification:** 1st class Bachelor's Degree or 1st class Master's

				Degree in Geoinformatics/GIS & Remote Sensing/Geography/Computer Science/Computer Applications/Information Technology/Civil Engineering/Environmental Engineering/Environmental Science/Urban/ Regional Planning from a university/professional institution recognized by the Government with at least 10 years of hands-on experience in software development and application customization including GIS applications. **Specialized work experience (Desirable):** - Prior roles as Developer, System Engineer, or Tech Lead. - Experience in designing and implementing end-to-end solutions. - AWS Certified Solutions Architect (Associate/Professional) - Microsoft Certified: Azure Solutions Architect Expert - Google Cloud Professional Cloud Architect - TOGAF (for enterprise architecture) - Cloud Platforms (AWS, Azure, GCP) Networking & Security Application & System Integration Database Management (SQL/NoSQL) DevOps tools & CI/CD pipelines API Management - Architecture modeling tools (e.g., ArchiMate, Visio) - Project management tools (e.g., JIRA, Confluence) - Monitoring & logging tools (e.g., CloudWatch, Prometheus)
21	Cloud/Server Manager	6.3, 7.4, 8.4	03	**Essential Qualification:** 1st class Bachelor's Degree or 1st class Master's Degree in Geoinformatics/GIS & Remote Sensing/Geography/Computer Science/Computer Applications/Information Technology/Civil Engineering/Environmental Engineering/Environmental Science/Urban/ Regional Planning from a university/professional institution recognized by the Government with at least 10 years of experience in Cloud/Server management **Specialized work experience (Desirable):** - Prior roles as cloud, System Engineer, or Tech Lead - Experience in designing and implementing end-to-end solutions - AWS Certified Solutions Architect (Associate/Professional) - Microsoft Certified: Azure Solutions Architect

				Expert
				• Google Cloud Professional Cloud Architect • TOGAF (for enterprise architecture) • Cloud Platforms (AWS, Azure, GCP) Networking & Security Application & System Integration Database Management (SQL/NoSQL) DevOps tools & CI/CD pipelines API Management • Architecture modeling tools (e.g., ArchiMate, Visio) • Project management tools (e.g., JIRA, Confluence) • Monitoring & logging tools (e.g., CloudWatch, Prometheus)
22	Geospatial Officer (Image)	6.5, 7.6, 8.6	03	**Essential Qualification:** 1st class Bachelor's Degree or 1st class Master's Degree in Computer Science/Data Science/AI-ML/Agricultural Science/Biological Science/Physical Science/Environmental Science/Geoinformatics with 5 years of experience in Geospatial technologies or related fields. **OR** PhD in Computer Science/Data Science/AI-ML/ Agricultural Science/Biological Science/Physical Science/Environmental Science/Geoinformatics with 3 years of experience in Geospatial technologies or related fields **Specialized work experience (Desirable):** • Specialization in Agricultural Science, Remote Sensing, or Geospatial Analysis • Prior involvement in research projects or collaborations with agri-tech organizations or government programs • AI/ML Certifications (e.g., Google TensorFlow, AWS ML, Microsoft AI) Data Science Certifications (e.g., IBM, Coursera) HPC or cloud compute certifications (optional but useful) • Machine Learning & Deep Learning (e.g., CNNs, RNNs, Transformers) • Programming (Python, R, TensorFlow, PyTorch) • Cloud Computing (AWS, GCP, Azure) • High-Performance Computing (HPC) & GPU usage • Data Pipelines and Big Data tools (e.g., Spark, Hadoop) • GIS and Remote Sensing tools (e.g., QGIS, ArcGIS, Google Earth Engine) Satellite data platforms (e.g., Sentinel, MODIS, Landsat)

23	Geospatial Officer (Database)	6.7, 7.7, 8.7	03	**Essential Qualification:** 1st class Bachelor's Degree in Computer Science and Engineering/Technology/GIS/Computer Science/Computer Applications/GIS/ Geoinformatics with 7 years of experience in Database management **OR** 1st class Master's Degree in Computer Science and Engineering/Information Technology/ Computer Applications/ Civil Engineering/Environmental Engineering/Environmental Science/Urban/ Regional Planning with PG Diploma in RS/GIS/Geoinformatics from any university/ Professional Institution recognized by Government with 5 years of experience in Database management. **OR** PhD in Computer Science/Computer Applications/Data Science/AI-ML/Agricultural Science/Biological Science/Physical Science/Environmental Science/Geoinformatics with 3 years of experience in Database management. **Specialized work experience (Desirable):** • Experience in Spatial Database Administration, Spatial Database Management Software Packages • Worked on databases likes SQL server, PostgreSQL etc. **Spatial Database Management**: PostgreSQL/PostGIS, Oracle Spatial, MS SQL Server with spatial extensions • **GIS Platforms**: ArcGIS (Enterprise, Pro, Desktop), QGIS, Geo Server • **Data Integration & ETL**: FME, Python scripting (ArcPy), Model Builder, SQL-based ETL • **Geodatabase Design**: Schema development, topology rules, versioning, domains, subtypes • **Spatial Data Quality Control**: Accuracy checks, topology validation, geometry correction, data lineage • **Web GIS Integration**: ArcGIS Online, Portal for ArcGIS, Web Map Services (WMS), REST APIs • **Data Formats & Standards**: Shapefiles, GeoJSON, KML, GPKG, GML, ISO/OGC standards compliance • **Backup & Recovery**: Data archiving, replication, and disaster recovery for spatial databases • **Security & Access Control**: Role-based data access, user-level permissions, enterprise geodatabase roles • Database Tuning

(continued from previous row)
• AI platforms and notebooks (e.g., Jupyter, SageMaker, Colab)

24	Senior Technical Surveyor (DGPS CORS Network/ UAV & Drone	3.1,9.1	05	**Essential Qualification:** 1st class Bachelor's Degree in Geomatics/Surveying Engineering/Civil Engineering/Geoinformatics, with 3 years of experience **OR** 1st class Master's Degree in Geoinformatics/Remote Sensing and GIS with 2 years of experience **Specialized work experience (Desirable):** • DGPS Survey Training from recognized institutions • UAV/Drone Pilot Certification from DGCA (India) or other national aviation authorities • CORS Network operation training • Operation of DGPS, RTK GNSS, and CORS-based surveying equipment • UAV/Drone handling, mission planning, and flight operations (fixed-wing/multi-rotor) • Data collection, post-processing, and accuracy analysis • Use of Total Station, Electronic Theodolite, and Auto Level • Survey software: Trimble Business Center, Leica Geo Office, MAGNET, Topcon Tools • Drone mapping & photogrammetry: Pix4D, Drone Deploy, AgisoftMetashape • GIS & CAD: ArcGIS/QGIS, AutoCAD Civil 3D, Global Mapper
25	GIS Expert/ Geospatial officer (Infrastructure)	10.1	01	**Essential Qualification:** 1st class Bachelor's Degree or 1st class Master's Degree in Computer Science and Engineering/IT/Data Science/AI-ML/ Geoinformatics/Urban Studies/Spatial Technology/ Geology/Environmental Science with 7 years of hand-on experience post bachelor's Degree and 5 years of hand-on experience post Master's Degree including 2 years in software development and application customization, and GIS applications, in infrastructure projects, including roads, utilities, urban development, or land records. **OR** PhD in Computer Science and Engineering/IT/Data Science/AI-ML/ Geoinformatics/Urban Studies/Spatial Technology/Geology/Environmental Science. Total 3 years of experience including 1 year in software development and application customization including GIS applications in infrastructure projects, including roads, utilities, urban development, or land records.

				Specialized work experience (Desirable): • Proficiency in industry-standard GIS software (e.g., ArcGIS, QGIS, ERDAS Imagine, AutoCAD Map 3D). • Hands-on experience with spatial data collection techniques (GPS/GNSS survey, drone mapping, field survey). • Ability to integrate GIS with CAD and BIM tools for infrastructure planning. • Familiarity with web-based GIS applications and geospatial data standards (OGC standards, WMS/WFS). • Development of Web and REST APIs with Node Js and .net • Familiarity with the ASP.NET framework, and Express JS Node framework, SQL Server and design/architectural patterns • Will be Preferred if Experience in location, tracking mobile app APIs & dashboards. • Good skills in bugs resolutions, DB Planning & Designing the architectures • Knowledge of API Documentation process flows & data, speed optimizations in gathering - posting the data from / to the server • Knowledge of ASP.NET, SQL Server, HTML, CSS, JavaScript, and C#, Node Js, Postgres SQL. Prepare and maintain code for various .Net applications and resolve any defects in systems. • Full stack developer • Team handling • Any relevant certification
26	Geospatial Officer (Data & Image Services)	10.2	01	**Essential Qualification:** 1st class Bachelor's Degree or 1st class Master's Degree in Computer Science and Engineering/IT/Data Science/AI-ML/ Geoinformatics/Urban Studies/Spatial Technology/Geology/Environmental Science with 7 years of hand-on experience post bachelor's Degree and 5 years of hand-on experience post Master's Degree including 2 years in software development and application customization including GIS applications in infrastructure projects, including roads, utilities, urban development, or land records. **OR** PhD in Computer Science and Engineering/IT/Data Science/AI-ML/ Geoinformatics/Urban Studies/Spatial Technology/Geology/Environmental Science. Total 3 years of experience including 1 year in software development and application

				customization including GIS applications in infrastructure projects, including roads, utilities, urban development, or land records. **Specialized work experience (Desirable):** • Proficiency in industry-standard Remote Sensing & GIS software (e.g., ERDAS Imagine, ENVI, ArcGIS, QGIS, PCI Geomatica). • Experience in using open-source tools for image processing and geospatial data workflows. • Familiarity with geospatial data standards (OGC standards, metadata standards like ISO 19115). • Knowledge of image server setup, web map services (WMS/WMTS), and cloud storage of imagery is desirable. • Strong understanding of satellite data types (optical, SAR, LiDAR) and their applications. • Good analytical skills for processing and interpreting remotely sensed data for decision support. • Effective documentation and data cataloguing skills. • Good communication skills to interact with technical teams, end-users, and government stakeholders. • Team handling • Any relevant certification
27	Geospatial officer (IT or Development GIS application Module)	10.3	01	**Essential Qualification:** 1st class Bachelor's or 1st class Master's degree in Computer Science and Engineering/IT/Data Science/AI-ML/ Geoinformatics/Urban Studies/Spatial Technology/Geology/Environmental Science with 7 years of hand-on experience post bachelor's Degree and 5 years of hand-on experience post Master's Degree including 2 years in software development and application customization including GIS applications in infrastructure projects, including roads, utilities, urban development, or land records. **OR** PhD in Computer Science and Engineering/IT/Data Science/AI-ML/ Geoinformatics/Urban Studies/Spatial Technology/Geology/Environmental Science. Total 3 years of experience including 1 year in software development and application customization including GIS applications in infrastructure projects, including roads, utilities, urban development, or land records. **Specialized work experience (Desirable):** • Proficiency in GIS APIs and SDKs (e.g., ArcGIS

				API for JavaScript, Leaflet, Open Layers).
				• Familiarity with spatial data models, geoprocessing, and geo-services (WMS, WFS, WMTS, REST).
				• Development of Web and REST APIs with Node Js and .net
				• Familiarity with the ASP.NET framework, and Express JS Node framework, SQL Server and design/architectural patterns
				• Will be Preferred if Experience in location, tracking mobile app APIs & dashboards.
				• Good skills in bugs resolutions, DB Planning & Designing the architectures
				• Knowledge of API Documentation process flows & data, speed optimizations in gathering - posting the data from / to the server
				• Knowledge of ASP.NET, SQL Server, HTML, CSS, JavaScript, and C#, Node Js, Postgres SQL. Prepare and maintain code for various .Net applications and resolve any defects in systems.
				• Full stack developer
				• Certifications in relevant GIS software (e.g., ESRI Developer Certification, FME, QGIS plugins).
				• Certifications in programming languages or web development frameworks (e.g., Python, JavaScript, .NET, Node.js, or Angular/React).
				• Training in spatial database management (e.g., PostGIS, Oracle Spatial, ArcSDE).
				• Team handling
				• Any relevant certification
28	GIS Software Developer	10.4	01	**Essential Qualification:** 1st class Bachelor's Degree or 1st class Master's Degree in Computer Science / Computer applications/Information Technology/Geoinformatics / Remote Sensing & GIS/Geoinformatics/Electronics & Communication Engineering/Environmental Science / Geography / Urban Planningfrom a university/professional institution recognized by the Government with at least 4 years of hands-on experience post Bachelor's Degree and 2 years of hands-on experience post Master's Degree in software development and application customization including GIS applications. **Specialized work experience (Desirable):** • Experience in remote sensing and GIS software's development • Open-source coding • Full stack developer • Team handling • Any relevant certification •

| 29 | Geospatial Assistant (Revenue/ Cadastral) | 10.5 | 02 | **Essential Qualification:**
1st Class Master's Degree from a recognized university in Remote Sensing /GIS / Geo-Informatics & Photogrammetry /Geo- spatial Sciences / Computer Science / Mathematics with 3 year experience in relevant field.
Specialized work experience (Desirable):
• Knowledge of GPS/DGPS based instruments/ CORS survey, data processing and handling of outputs.
• Working experience of 1 year on the latest technology of drone image processing on raw data to generate DSM and DTM and ortho-mosaic, 3D models.
• Working knowledge of Pix4D, Correlator3D, Site Scan for ArcGIS, Agisoft Photo scan Pro, ERDAS Image, ENVI etc.
• Should have more than one year of experience in UAV Image Interpretation and feature extraction.
• Knowledge and working experience on ARCGIS / QGIS etc. (latest technology/ software) of automatic/manual features extraction using Orthorectified images generated from UAV.
• Knowledge of attribute collection and field addition, merging of various attribute tables in ARCGIS and QGIS.
• Knowledge of data model structure and layout of maps. |
| 30 | Geospatial Assistant (Survey) | 10.6 | 02 | **Essential Qualification:**
1st class Master's degree from a recognized university in Remote Sensing /GIS / Geo-Informatics & Photogrammetry /Geo- spatial Sciences / Computer Science / Mathematics with 3 year experience in relevant field.
OR
1st class Bachelor's degree in Geomatics/Surveying Engineering/Civil Engineering/Geoinformatics/Remote Sensing and GIS with 4 years of Experience
Specialized work experience (Desirable):
DGPS Survey Training from recognized institutions
UAV/Drone Pilot Certification from DGCA (India) or other national aviation authorities
CORS Network operation training
Operation of DGPS, RTK GNSS, and CORS-based surveying equipment
UAV/Drone handling, mission planning, and flight operations (fixed-wing/multi-rotor)
Data collection, post-processing, and accuracy analysis
Use of Total Station, Electronic Theodolite, and Auto Level |

				Survey software: Trimble Business Center, Leica Geo Office, MAGNET, Topcon Tools Drone mapping & photogrammetry: Pix4D, Drone Deploy, AgisoftMetashape GIS & CAD: ArcGIS/QGIS, AutoCAD Civil 3D, Global Mapper
31	Geospatial Assistant (Data Acquisition & Processing)	10.7	01	**Essential Qualification:** 1st class M.Sc./MCA/M.Tech from a recognized university in Geo-informatics & Photogrammetry/ Geospatial Sciences/ Computer Science/ Mathematics with Minimum 3 years of research, teaching, design and development experience. **OR** Doctorate degree from a recognized university in Geo-informatics & Photogrammetry/ Geospatial Sciences/ Computer Science/ Mathematics with 2 years of experience. **Specialized work experience (Desirable):** • Knowledge of GPS/ DGPS based instruments/ CORS survey, data processing and handling of outputs. • Working experience on the latest technology of drone image processing on raw data to generate DSM, DTM, Contours, ortho-mosaic, 3D models for the different projects like land mapping etc. • Working knowledge of Pix4D, Correlator3D, Site Scan for ArcGIS, AgisoftPhotoscan Pro, ERDAS Imagine, ENVI etc. • Data management of UAV data outputs in various formats. • Capability to resolve issues in processing of UAV data including point cloud classification. • QA/QC of data.
32	Geospatial Assistant (Quality Assurance and Standardizatio n)	10.8	02	**Essential Qualification:** 1st class M.Sc./MCA/M.Tech from a recognized university in Geo-informatics & Photogrammetry/ Geospatial Sciences/ Computer Science/ Mathematics with minimum 3 years of research, teaching, design and development experience. **OR** Doctorate degree from a recognized university in Geo-informatics & Photogrammetry/ Geospatial Sciences/ Computer Science/ Mathematics with 2 years of experience. **Specialized work experience (Desirable):** • Should have more than one year of experience in UAV Image interpretation and feature extraction. • Knowledge of GPS/ DGPS based instruments/

				CORS survey, data processing and handling of outputs.
				• Knowledge and working experience on ARCGIS/QGIS etc. (latest technology/software) of automatic/manual feature extractionusing Orthorectified images generated from UAV.
				• Knowledge of attribute collection and field addition, merging of various attribute tables in ARCGIS and QGIS.
				• Knowledge of data model structure and layout of maps.
				• Reporting and maintenance of created data base.
				• QA/QC of data.
33	Geospatial Assistant (Coordination & Support)	10.9	02	**Essential Qualification:** 1st class Master's Degree in Computers/IT/ Geospatial technology from any university/ institution recognized by Government with 3 years experience in the GIS software development and applications customization. **Specialized work experience (Desirable):** • Working experience on MS SQL Server/Postgres SQL Server • Handling and Creating the Database/Enterprise Geo-database. • Providing database support in day to day operation • Experience with Performance Tuning and Optimization (PTO), using native monitoring and troubleshooting tools • Experience with backups, restores and recovery models • Knowledge of High Availability (HA) and Disaster Recovery (DR) options for SQL Server • Experience working with Windows server, including Active Directory • Excellent written and verbal communication • Flexible, team player, "get-it-done" personality • Ability to organize and plan work independently • Ability to work in a rapidly changing environment • Ability to multi-task and context-switch effectively between different activities and teams. • MIS reports

34	Geospatial Assistant (GIS Software Developer)	10.10	02	**Essential Qualification:** 1st class Master's Degree in Computer Science/Computer Applications/Information Technology/Geoinformatics / Remote Sensing & GIS/Geoinformatics/Electronics & Communication Engineering/Environmental Science/Geography/Urban Planning from a university/institution recognized by the Government with at least 3 years of hands-on experience in software development and application customization including GIS applications. **Specialized work experience (Desirable):** • Proficiency in **ArcGIS Platform (ArcGIS Pro, ArcMap, ArcGIS Enterprise, ArcGIS Online)**. • Experience with **ArcPy, ModelBuilder**, and **Python scripting** for GIS automation. • Strong knowledge of **web GIS development** using: • JavaScript (ArcGIS API for JavaScript) • HTML/CSS • REST APIs and Web Map services • Experience with **spatial databases** (PostGIS, SQL Server, or Oracle Spatial). • Experience working with **geospatial data formats**(shapefiles, GeoJSON, KML, raster data). • Open-source coding • Team handling • Knowledge of version control systems • Prefer Expereince in remote sensing and GIS software's development • Any relevant certification
35	Geospatial Assistant (Property and Land Record Management and Printing &map Production)	10.11	01	**Essential Qualification:** 1st class Master's Degree in Remote Sensing/GIS/Geo-informatics **OR** 1st class Master's degree in Agriculture/Agro-Meteorology/Forestry/Geography/Geology/Geophysics/Environmental Science/Mathematics/Physics/Water Resources/Urban Planning with P.G. Diploma in Remote Sensing/GIS/ Geo-informatics from a recognized university/ Institute. **Professional Experience:** Minimum 3 years experience in relevant field.
36	Scrum Master	8.2	01	**Essential Qualification:** 1st class Bachelor's or 1st class Master's degree in Computer Science/Computer Applications/Information Technology/ Geoinformatics/Remote Sensing & GIS from a university/institution recognized by the

				Government with at least 5 years of hands-on experience post Bachelor's Degree and 3 years of hands-on experience post Master's Degree with agile tools and Agile methodology. **Specialized work experience (Desirable):** • Experience as a Scrum Master working with Agile software development teams. • Proven experience facilitating Agile ceremonies, resolving team impediments, and coaching teams on Agile best practices. • Strong background working in cross-functional and distributed teams using tools like Jira, Confluence, and similar platforms. • Desirable: • Experience with scaled Agile frameworks (e.g., SAFe, LeSS, Scrum@Scale) • Expertise in Agile metrics (burn-down, velocity, cumulative flow) • Hands-on experience with DevOps integration and CI/CD pipelines • Strong stakeholder management and conflict-resolution skills • Technical familiarity with software development processes or SDLC • Advanced Agile certifications (e.g., SAFe Program Consultant, PMI-ACP) • Experience in Agile transformation or coaching at enterprise level • Exposure to domains like fintech, healthcare, or data-driven platforms • Effective communication, facilitation, and mentoring abilities • Professional Scrum Master (PSM I/II) or Certified ScrumMaster (CSM) certification from a recognized body (e.g., Scrum.org, Scrum Alliance).
37	Quality Assurance Specialist	6.4	01	**Essential Qualification:** 1st class Bachelor's Degree or 1st class Master's Degree in Computer Science/Information Technology/Software Engineering/Geoinformatics/Remote Sensing & GIS/Electronics & Communication Engineering/Mathematics/Statistics from a university/professional institution recognized by the Government with at least 5 years of hands-on experience post Bachelor's Degree and 3 years of hands-on experience post Master's Degree in PLM tools. **Specialized work experience (Desirable):** • Experience in software quality assurance or testing roles. • Demonstrated expertise in writing test plans, test cases, and defect tracking. • Hands-on experience with QA tools and

				frameworks (e.g., Selenium, JUnit, TestNG, Postman).
				• Experience in Agile/Scrum-based software development environments.
				• Automation testing experience using tools like Selenium WebDriver, Cypress, or Robot Framework
				• Working knowledge of CI/CD and DevOps tools (e.g., Jenkins, Git, Docker)
				• API testing skills using Postman, REST Assured, or SoapUI
				• Exposure to performance and load testing (e.g., JMeter, LoadRunner)
				• Familiarity with security and compliance testing (e.g., OWASP)
				• Experience with bug tracking/project management tools like Jira, Azure DevOps
				• Good scripting/programming knowledge (e.g., Python, Java, or JavaScript)
				• Domain knowledge in regulated environments (e.g., healthcare, finance)
				• Strong communication and documentation skills
				• Knowledge of software development lifecycle (SDLC) and V-model
38	Sr. Software Test Engineer	7.3	01	**Essential Qualification:** 1st class Bachelor's Degree or 1st class Master's Degree in Computer Science/Information Technology/Software Engineering/Geoinformatics /Remote Sensing & GIS/Electronics & Communication Engineering from a university/ institution recognized by the Government with 5 years hands on experience post Bachelor's Degree and 3 years of hands-on experience post Master's Degree in PLM tools, application test management, test case documentation. **Specialized work experience (Desirable):** Experience in software testing, including test case design, execution, and defect lifecycle management. Strong experience with functional, integration, regression, and user acceptance testing. Hands-on exposure to test case management tools (e.g., TestRail, Zephyr) and defect tracking systems (e.g., Jira, Bugzilla). Automation testing experience with tools such as Selenium, Cypress, or Playwright Basic programming/scripting skills (e.g., Python, JavaScript, or Java) API testing experience using Postman or REST Assured Familiarity with CI/CD tools (e.g., Jenkins, GitHub Actions) Experience testing web and mobile applications

				across multiple browsers/devices Knowledge of Agile/Scrum methodologies Understanding of performance and security testing basics Experience in cross-browser and cross-platform testing Version control tools (e.g., Git) and cloud-based test environments Domain expertise in sectors such as e-commerce, fintech, or healthcare Strong analytical, communication, and documentation skills
39	Legal and Technical Documentation Specialist	8.8	01	**Essential Qualification:** 1st class Five Years Integrated LLB degree or 1st class LLB from a recognized university or institution with 3 years experience in legal writing, technical documentation, or compliance-related content development. **Specialized work experience (Desirable):** • Experience with drafting contracts, terms of service, privacy policies, or policy briefs preferred. Familiarity with writing for legal-tech tools, software documentation, or regulatory submissions is an advantage. • Strong grasp of legal terminology, regulatory frameworks, and document drafting standards. • Exposure to technology law, data protection, or IP law Experience collaborating with product, compliance, or tech teams Understanding of technical writing tools (e.g., Markdown, LaTeX, MS Word with track changes) and relevant certification. Familiarity with legal research databases (e.g., SCC Online, Manupatra, Westlaw) Excellent written and verbal communication skills Attention to detail, structured thinking, and document version control Knowledge of plain language writing principles for public/legal communication Publication or contributions to academic journals, whitepapers, or blogs Ability to translate legal jargon into user-friendly documentation
40	PMP Certified Project Manager	1.1	01	**Essential Qualification:** 1st class Bachelor's Degree or 1st class Master's Degree in Engineering/Business Administration/Information Technology with minimum 5 years of experience post Bachelor's Degree and 3 years of experience post Master's Degree in managing projects in govt./private

				sector.
				And
				Active Project Management Professional (PMP) certification from PMI (Project Management Institute).
				Specialized work experience (Desirable): • Hands-on experience with tools like MS Project, JIRA, Asana, Trello, Primavera, etc. • In-depth understanding of PMBOK guidelines, Agile/Scrum, or Waterfall methodologies. • Experience in handling project budgets, forecasts, and risk management planning. • Familiarity with business analytics and KPIs for project performance measurement. • Experience dealing with high-level stakeholders or government/public-sector projects (if applicable).
41	Technical Content Writer	1.2	01	**Essential Qualification:** 1st class Bachelor's Degree or 1st class Master's Degree in English/Journalism, Communications/Computer Science/Engineering with 5 years of experience post Bachelor's Degree and 3 years of experience post Master's Degree in technical writing, content creation or documentation in govt./private sector. **Specialized work experience (Desirable):** • Strong command of English (grammar, spelling, tone, clarity) with the ability to simplify complex technical concepts. • Working knowledge of the subject matter (e.g., software development, cloud computing, hardware systems, APIs, cybersecurity, etc.). • Experience writing user guides, manuals, how-to articles, FAQs, white papers, or case studies. • Familiarity with content creation and editing tools such as MS Word, Google Docs, Markdown, Confluence, Notion, or similar platforms. • Basic understanding of SEO principles for optimizing web-based content. • Ability to ensure technical accuracy, consistency, and adherence to style guides or brand voice. • Master's degree in English, Technical Writing, or a STEM field is a plus.

				• Prior work in domains like SaaS, AI/ML, data analytics, healthcare, fintech, or cybersecurity • Familiarity with DITA, The Chicago Manual of Style, or AP Style Guide. • Experience with CMS platforms like WordPress, Drupal, or Adobe Experience Manager (AEM). • Basic knowledge of Git/GitHub or other version control systems used in development workflows. • Experience using tools like Visio, Figma, Lucidchart, or Adobe Illustrator to create diagrams and visuals. • Ability to use Google Analytics or similar tools to track content performance. • Experience collaborating in agile teams or with developers and product managers in sprint cycles.
42	Senior Geodetic Officer	9.1	01	**Essential Qualification:** 1st class Master's degree in Geodesy/ Geomatics/Surveying Engineering/Civil Engineering/Geoinformatics from a recognized university with 10 years of experience in geodetic surveys, mining surveys etc. **Specialized work experience (Desirable):** • Proven experience in planning and executing high-precision GNSS/GPS surveys, control network establishment, and data processing. • Practical knowledge of mining lease boundary demarcation, subsidence monitoring, and volumetric calculations. • Proficiency in GNSS data processing software (e.g., Trimble Business Center, Leica Geo Office, or similar). • Hands-on experience with CORS installation, maintenance, and network troubleshooting. • Good understanding of coordinate reference systems, datum transformations, and geo-referencing. • Familiarity with survey instruments (total stations, GNSS receivers, digital levels) and related field procedures. • Certification in from Registered or licensed surveyor certification from a recognized authority, GNSS/RTK/CORS operator or

				related professional training certificates. • Sound knowledge of applicable mining laws, survey standards, and regulatory guidelines. • Understanding of remote sensing and GIS integration with geodetic survey data is an added advantage.
43	Junior Electrical Engineer	2.11	02	**Essential Qualification:** 1st class Bachelor's Degree or 1st class Master's Degree in Electrical Engineering from recognized institution by the government. **Specialized work experience (Desirable):** Higher educational qualification and experience would be preferred. Electrical Design & Drafting Circuit Analysis & Testing Power Systems & Distribution Electrical Standards & Codes PLC & Automation (Desirable) Energy Management (Optional) Site Execution & Supervision
44	Computer Hardware Support Engineer	2.12	02	**Essential Qualification:** 1st class Bachelor's Degree or 1st class Master's Degree in Computer Science/ Electronics and Communication from recognized institution by the government. **Specialized work experience (Desirable):** • Proficiency in assembling and disassembling computer hardware (CPU, monitor, motherboard, RAM, hard disks). • Strong understanding of troubleshooting hardware issues, including Power Supply Units (PSUs), monitors, and peripherals. • Knowledge of operating systems installation and configuration (Windows, Linux). • Ability to install and configure device drivers, BIOS, and firmware. • Understanding of networking basics (cabling, IP configuration, routers, switches). • Knowledge of common computer hardware standards (USB, HDMI, VGA, SATA, etc.)
45	HR Manager	1.10	01	**Essential Qualification:** 1st class Master's Degree in Business Administration (HR) from recognized institution/university with minimum 3 years of experience in relevant area. **Specialized work experience (Desirable):**

46	Communication Engineer	9.3	02	**Essential Qualification:** 1st class Master's Degree in Electronics and Communications (ECE) from recognized institution/university. **Specialized work experience (Desirable):** Networking & Protocols Signal Processing RF & Microwave Engineering Optical Communication Wireless & Satellite Communication Simulation & Modelling: MATLAB, Simulink, Ansys HFSS, CST Microwave Studio, Keysight ADS Network Simulators: NS2, NS3, OPNET, GNS3 PCB & Circuit Design: OrCAD, Altium Designer, Eagle Programming: C/C++, Python, VHDL/Verilog (for hardware level) Measurement Instruments: Spectrum analyzer, network analyzer, signal generator, oscilloscope Lab experiments on transmitters, receivers, and antennas Field testing for signal strength, QoS, and bandwidth Equipment calibration and maintenance

(Row above continued from previous page — top cell content:) Experience in a human resources supervisory position; Experience with State/Central Govt. shall be preferred.; Specialization in HR/ERP; Computer proficiency

Terms and conditions: -

1. *Candidate will ensure eligibility and other requirements before filling the application form.*
2. *Incomplete application forms shall not be entertained. Attach all the required self attested documents with the application form.*
3. *HARSAC may increase or decrease the number of posts during the process of recruitment subject to the needs in the project and funds availability.*
4. *Tenure of the contractual appointment is mentioned in Table 2 which may be increased or decreased depending on the performance/requirement.*
5. *The eligible candidates will be invited for attending the Written / Skill Test in due course of time.*
6. *In any discrepancy, decision of the Director, HARSAC will be final and abide by the applicants.*
7. *Canvassing in any form by the candidates will be disqualified.*

8. *Director, HARSAC can cancel this whole recruitment process or for any post/posts without assigning any reason at any time.*

9. *Candidates are advised to visit HARSAC website regularly for dates of written test/skill test/interaction.*

Director, HARSAC