



Haryana Space Applications Centre (HARSAC)
(Citizen Resources Information Department, Haryana)
CCS Haryana Agricultural University Campus
Hisar-125 004

Tel. 01662-232632, 231045-47

Website: www.harsac.org E-mail: contact@harsac.org

Advt. No. HARSAC/HSR/Recruitment/PP/2025/03

APPLICATIONS ARE INVITED

Applications are invited from the eligible candidates for various technical posts on contractual basis under different projects. Details in this regard may be downloaded from HARSAC website **www.harsac.org**. The filled application form duly complete in all respects along with the self-attested photo copies of testimonials / certificates may be sent on email id: recruitharsac@outlook.com. Last date for receiving the application form on this e-mail will be **31.12.2025 (23:59 PM)**. The engagement 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: Summary of various technical contractual posts

Post Name	Total Number of Posts	Remuneration /Salary /Emoluments*(in Rs. Per Month)
Technical Content Writer	01	Rs.90,000/-per month
Geospatial Officer (AI/ML)	04	
RA-III (Image Analyst)	03	
RA-III (Meteorologist)	01	
RA-III (IoT)	01	
Application Lead	01	Rs.1,38,008/-per month
System Administrator	01	Rs.119,582/-per month
Senior Software Developer	02	Rs.76,150/-per month
GIS Developer	01	Rs.66,150/-per month
Software Developer	01	
Jr. GIS Developer	01	Rs.44,406/- per month
UI/UX Developer	02	Rs.40,000/-per month
DevOps Engineer	06	Rs.87,800/- per month
Security Analyst	03	Rs.40,000/-per month
Junior Electrical Engineer	01	Rs.31,000/-per month
Senior Technical Surveyor (DGPS CORS Network/UAV& Drone)	05	Rs.48720/-per month
Team Lead	03	Rs.1,77,580/-per month
Solution Architect	03	Rs.1,53,944/-per month
Cloud/Server Manager	03	
Quality Assurance Specialist	01	Rs.1,19,582/-per month
Geospatial Officer (Database)	03	Rs. 90,000/- per month
Geospatial Officer (Image)	01	Rs. 90,000/- per month
Scrum Master	01	Rs.1,53,944/-per month
Legal and Technical Documentation Specialist	01	Rs.90,000/-per month
Senior Geodetic Officer	01	Rs. 90,000/- per month
Communication Engineer	02	Rs.31,000/-per month
Geospatial Officer (Data & Image Services)	01	Rs.90,000/-per month
Geospatial Officer (IT or Development GIS application Module)	02	
GIS Software Developer	01	Rs.60,000/-per month
Geospatial Assistant (Survey)	02	
Geospatial Assistant (Quality Assurance and Standardization)	02	
Geospatial Assistant (Coordination & Support)	02	
Geospatial Assistant (GIS Software Developer)	02	
Geospatial Assistant (Property and Land Record Management and Printing & Map Production)	01	
Database Administrator	01	Rs. 90,000/- per month
Frontend Software Developer	01	Rs. 66,150/- per month
Backend Software Developer	01	Rs. 66,150/- per month
Geospatial Assistant (Data	01	Rs. 60,000/- per month

Management & Processing)		
Project Fellow (PF)	01	Rs.25,000/-+(8% at Hisar/16% at Gurugram) HRA per month (Note: Revised SalaryRs.31,000/-P.M. plus HRA as applicable to NET/GATE Qualified Candidates).

Table 2: Project wise details of contractual posts

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 (TSMKRCH-GA)		
1.1Technical Content Writer	01	Rs.90,000/-per month
1.2 Geospatial Officer (AI/ML)	01	
1.3 RA-III (Image Analyst)	01	Rs.54,000/-+ (8% at Hisar/16% at Gurugram) HRA per month
1.4 RA-III (Meteorologist)	01	
1.5 RA-III (IoT)	01	
2. Ease of Doing Business (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	01	Rs.66,150/-per month
2.5 Software Developer	01	
2.6 Jr. GIS Developer	01	Rs. 44,406/- per month
2.7 UI/UX Developer	02	Rs.40,000/-per month
2.8 DevOps Engineer	01	Rs.87,800/- per month
2.9 Security Analyst	01	Rs.40,000/-per month
2.10 Junior Electrical Engineer	01	Rs.31,000/-per month
3. DGPS Surveying of Prospective Mining Area in parts of Haryana (DGPS-SPMAH)		
3.1 Senior Technical Surveyor (DGPS CORS Network/UAV& Drone)	01	Rs.48,720/-per month
4. Haryana Digital Agriculture Ecosystem (HDAE)		
4.1 Team Lead	01	Rs.1,77,580/-per month
4.2 Solution Architect	01	Rs.1,53,944/-per month
4.3 Cloud/Server Manager	01	
4.4 Quality Assurance Specialist	01	Rs.1,19,582/-per month
4.5 Geospatial Officer (AI/ML)	01	Rs. 90,000/- per month
4.6 Geospatial Officer (Database)	01	
4.7 DevOps Engineer	01	Rs.87,800/-per month
4.8 RA-III (Image Analyst)	01	Rs.54,000/-+ (8% at Hisar/16% at Gurugram) HRA per month

4.9 Security Analyst	02	Rs.40,000/-per month
5. Haryana Geospatial AI-Compute Capacity Mission (HG-AI-CCM)		
5.1 Team Lead	01	Rs.1,77,580/-per month
5.2 Solution Architect	01	Rs1,53,944/-per month
5.3 Cloud/Server Manager	01	Rs1,53,944/-per month
5.4 Geospatial Officer (AI/ML)	01	Rs. 90,000/- per month
5.5 Geospatial Officer (Image)	01	
5.6 Geospatial Officer (Database)	01	
5.7 DevOps Engineer	01	Rs.87,800/-per month
6. Interoperable Geo-intelligent CM-Gati Shakti Platform (I-GI-CMGSP)		
6.1 Team Lead	01	Rs.1,77,580/-per month
6.2 Scrum Master	01	Rs.1,53,944/-per month
6.3 Solution Architect	01	
6.4 Cloud/Server Manager	01	
6.5 Geospatial Officer (AI/ML)	01	Rs.90,000/-per month
6.6 Geospatial Officer (Image)	01	
6.7 Geospatial Officer (Database)	01	
6.8 Legal and Technical Documentation Specialist	01	
6.9 DevOps Engineer	01	Rs.87,800/-per month
6.10 RA-III (Image Analyst)	01	Rs.54000/-+ (8% at Hisar/16% at Gurugram) HRA per month
7. CORS Network Data and Its Equipment Management (CORS-NDIEM)		
7.1.Senior Geodetic Officer	01	Rs. 90,000/- per month
7.2.Senior Technical Surveyor (DGPS CORS Network/UAV & Drone	04	Rs.48720/-per month
7.3 Communication Engineer	02	Rs.31,000/-per month
8. Sonipat Metropolitan Development Authority (SMDA)		
8.1 Geospatial Officer (Data & Image Services)	01	Rs.90,000/-per month
8.2 Geospatial Officer (IT or Development GIS application Module)	01	
8.3 GIS Software Developer	01	Rs.60,000/-per month
8.4 Geospatial Assistant (Survey)	02	
8.5 Geospatial Assistant (Quality Assurance and Standardization)	02	
8.6 Geospatial Assistant (Coordination & Support)	02	
8.7 Geospatial Assistant (GIS Software Developer)	02	
8.8 Geospatial Assistant (Property and Land Record Management and Printing & map Production)	01	
9. Geo-ICT-Based Mapping of PWD Roads in Haryana (Harpath Mahari Sadak) (GICT-BMPWDRH-HMS)		
9.1 Geospatial officer (IT or Development GIS application Module)	01	Rs. 90,000/- per month
9.2 Database Administrator	01	Rs. 90,000/- per month

9.3 DevOps Engineer	02	Rs. 87,800/- per month
9.4 Senior Software Developer	01	Rs. 76,150/- per month
9.5 Frontend Software Developer	01	Rs. 66,150/- per month
9.6 Backend Software Developer	01	Rs. 66,150/- per month
9.7 Geospatial Assistant (Data Management & Processing)	01	Rs. 60,000/- per month
9.8 Project Fellow (PF)	01	Rs.25,000/-+(8% at Hisar/16% at Gurugram) HRA per month (Note: Revised Salary Rs.31,000/-P.M plus HRA as applicable to NET/GATE Qualified Candidates).

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

Table 3: Post-wise Qualifications and Experience required

Sr. No..	Name of Post	Sr. No. of Project and Post	Total no. of Post	Qualification
1	Geospatial Officer (AI/ ML)	1.2, 4.5	02	<p>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.</p> <p>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.</p> <p>Specialized Professional Experience (Desirable):</p> <ul style="list-style-type: none"> • Involvement in research projects or collaborations with agri-tech organizations/applications or government programs. • AI/ML Certifications (e.g., Google Tensor Flow, 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, Tensor Flow, PyTorch) • Cloud Computing (AWS, GCP, Azure) • High-Performance Computing (HPC) & GPU Usage • Data Pipelines and Big Data tools (e.g.,

				<p>Spark, Hadoop)</p> <ul style="list-style-type: none"> • 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, Sage Maker, Colab)
		5.4	01	<p>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.</p> <p>OR</p> <p>PhD in Computer Science/Data Science/ Artificial Intelligence- Machine Learning/Electronics/Electrical Engineering/Information Technology/ Computational Engineering. Total 3 years of Experience including 1year in AI-ML/LLM/GPU tuning.</p> <p>Specialized Professional Experience (Desirable):</p> <ul style="list-style-type: none"> • Involvement in research projects or collaborations with IT organizations or government programs. • GPU tuning • AI/ML Certifications (e.g., Google Tensor Flow, AWS ML, • Machine Learning & Deep Learning (e.g., CNNs, RNNs, Transformers) • Programming (Python, R, Tensor Flow, 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 • AI platforms and notebooks (e.g., Jupyter, Sage Maker, Colab)
		6.5	01	<p>Essential Qualification: 1st class Bachelor's Degree or 1st class Master's Degree in Computer Science Geoinformatics/UrbanStudies/Spatial Technology/Geology/Environmental Science.</p>

				<p>Total 5 years of experience including 1 year in AI- ML/LLM.</p> <p style="text-align: center;">OR</p> <p>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.</p> <p>Specialized Professional Experience (Desirable):</p> <ul style="list-style-type: none"> • Involvement in research projects or collaborations with Transport/Urban organizations or government programs. • AI/ML Certifications (e.g., Google Tensor Flow, AWS ML, HPC or cloud compute certifications (optional but useful)) • Machine Learning & Deep Learning (e.g., CNNs, RNNs, Transformers) • Programming (Python, R, Tensor Flow, PyTorch) • Cloud Computing (AWS, GCP, Azure) • High-Performance Computing (HPC) & GPUUsage • Data Pipelines and BigData tools (e.g., Spark, Hadoop) • GIS and Remote Sensing tools (e.g., QGIS, ArcGIS, Google) • AI platforms and notebooks (e.g., Jupyter, SageMaker, Colab)
2	RA-III (Image Analytics)	1.3, 4.8,	02	<p>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.</p> <p style="text-align: center;">OR</p> <p>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.</p> <p>Specialized Professional Experience (Desirable):</p> <ul style="list-style-type: none"> • AI/ML Certifications (e.g., Google

				<p>TensorFlow, AWS ML,</p> <ul style="list-style-type: none"> • Machine Learning & Deep Learning (e.g., CNNs, RNNs, Transformers) • Programming (Python, R, Tensor Flow, 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, GoogleEarth Engine) Satellite data platforms (e.g., Sentinel, MODIS, Landsat) • AI platforms and notebooks (e.g., Jupyter, Sage Maker, Colab)
		6.10	01	<p>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.</p> <p>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.</p> <p>Specialized Professional Experience (Desirable):</p> <ul style="list-style-type: none"> • AI/ML Certifications (e.g.,Google TensorFlow, AWS ML, Microsoft Azure 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 • AI platforms and notebooks (e.g.,

				Jupyter, SageMaker, Colab)
3	RA-III (Meteorologist)	1.4	01	<p>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.</p> <p>OR</p> <p>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.</p> <p>Specialized Professional Experience (Desirable):</p> <ul style="list-style-type: none"> • 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)	1.5	01	<p>Essential Qualification: 1st class Master's Degree in IT/Computer Science and Engineering/Electronics</p> <p>OR</p> <p>PhD 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-</p>

				<p>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.</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> • 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, Java Script, etc... • Experience with software testing using Gitlab or similar environment. • Familiarity with concepts like fire walling, • VPN/IPSEC, TLS, SNMP, PPP, NATetc. • Familiarity with cellular technologies such as 3G, 4G/LTE, 5G etc.
5	Application Lead	2.1	01	<p>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.</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> • 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. • Front end development using Angular, React, Vue.js, JavaScript, HTML5, CSS3. • Mobile app development for Android (Java/Kotlin) and iOS (Swift);

				<p>familiarity with Flutter and React Native.</p> <ul style="list-style-type: none"> • 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 micro services 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. <p>Agile/Scrum: Certified Scrum Master (CSM), SAFe certifications.</p> <p>Technology certifications: Microsoft Azure Developer/Architect, AWS Developer/Architect, Esri GIS</p>
6	System Administrator	2.2	01	<p>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.</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> • Experience managing enterprise IT infrastructure or data centers • Familiarity with System disaster recovery planning and execution • CompTIAA+, Network+, or Linux+

				<ul style="list-style-type: none"> • Microsoft Certified: Windows • Red Hat Certified System Administrator(RHCSA) • AWS Certified Sys Ops Administrator(forcloud- 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 cyber security best practices and compliance standards
7	Senior Software Developer	2.3, 9.4	02	<p>Essential Qualification: 1st class Bachelor's Degree or 1stclass Master's Degree in Computer Science / Computer Applications/IT/ Geoinformatics from a recognized university or institution with atleast 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.</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> • Proficient in programming languages: .NET (C#), Python, Node.js. • Strong front-end skill susing Angular, React, Vue.js, JavaScript, HTML5, CSS3. • Experience in developing Web and RESTAPIs Using Node.js, .NET, and Express.js frame works. • Knowledge of ASP.NET, SQL Server, PostgreSQL, and architectural design

				<p>patterns.</p> <ul style="list-style-type: none"> • 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, anyGIS 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.
8	GIS Developer	2.4	01	<p>Essential Qualification: 1stclass Bachelor's Degree or 1stclass Master's Degree in Computer Science /Computer Applications/IT/AI-ML/DataScience/ Geoinformatics/ Remote and GIS from a recognized university or institution, with atleast 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.</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> • Proficiency in ArcGIS Platform (ArcGIS Pro, ArcMap, ArcGIS Enterprise,

				<p>ArcGIS Online).</p> <ul style="list-style-type: none"> • 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 Geo Services <p>Experience with spatial databases (PostGIS, SQL Server, or Oracle Spatial).</p> <ul style="list-style-type: none"> • Knowledge of version control systems like Git. Any relevant certification
9	Software Developer	2.5	01	<p>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.</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> • Proficiency in ArcGIS Platform (ArcGISPro, ArcMap, ArcGIS Enterprise, ArcGIS Online). • Experience with ArcPy, Model Builder, and Python scripting for GIS automation. • Strong knowledge of web GIS development using: • JavaScript (ArcGIS API for JavaScript) • HTML/CSS • REST APIs and Geo Services • Experience with spatial databases (PostGIS, SQL Server, or Oracle Spatial). • Knowledge of version control systems like Git. Any relevant certification.
10	Jr. GIS Developer	2.6	01	<p>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</p>

				<p>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.</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> • 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 Data structure and OOPS • Exposure to frontend frameworks like React, Angular, or Vue.js • Understanding of backend development using • .NET, JavaSpringBoot, 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)
11	UI/UX Developer	2.7	02	<p>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.</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> • 3 years' experience in UI/UX design

				<p>projects</p> <ul style="list-style-type: none"> • Portfolio of design work showing UX process and visual design • Internship or freelance experience in digital product or web/mobile design • Wire framing & Prototyping: Figma, • 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/Java Script knowledge (aplus, not mandatory) • Collaboration tools: Miro, Notion, Trello, Jira
12	DevOps Engineer	2.8,4.7, 5.7.,6.9, 9.3	06	<p>EssentialQualification: 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.</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> • 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.

				<ul style="list-style-type: none"> 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.
13	Security Analyst	2.9, 4.9	03	<p>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 year 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.</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> Monitoring systems for threats, intrusion detection/prevention (IDS/IPS), log analysis Security Information and Event Management (SIEM) Vulnerability Assessment & Penetration Testing: Nessus, Open VAS, Metasploit Incident Response & Forensics: Handling real-time security incidents, root cause analysis, incident documentation Risk Assessment & Compliance: Knowledge of ISO27001, NIST, GDPR, and SOC2 Endpoint Security & Antivirus: Crowd Strike, 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, Power Shell, or Bash Identity and Access Management (IAM), Single Sign-On (SSO), Multi-Factor Authentication (MFA) Certifications (preferred but not mandatory)

				<ul style="list-style-type: none"> • CompTIA Security+ • Certified Ethical Hacker (CEH) • Certified Information Systems Security Professional (CISSP) • MicrosoftSC-200, AWS Security Specialty, or • GIAC certifications
14	TeamLead	4.1,5.1, 6.1	03	<p>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</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> • Prior role 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., Cloud Watch, Prometheus)
15	Solution Architect	4.2, 5.2, 6.3	03	<p>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.</p>

				Specialized work experience (Desirable): <ul style="list-style-type: none"> • 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)
16	Cloud/Server Manager	4.3,5.3, 6.4	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): <ul style="list-style-type: none"> • 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)

				<p>Networking & Security Application & System Integration Database Management</p> <p>(SQL/NoSQL) DevOps tools & CI/CDpipelines API Management</p> <ul style="list-style-type: none"> • Architecture modeling tools (e.g., ArchiMate, Visio) • Project management tools(e.g., JIRA, Confluence) • Monitoring & logging tools (e.g., Cloud Watch, Prometheus)
17	Geospatial Officer (Image)	5.5,6.6,	02	<p>Essential Qualification:</p> <p>1stclass Bachelor's Degree or 1stclass 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.</p> <p style="text-align: center;">OR</p> <p>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</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> • 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, • 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 Datatools (e.g., Spark, Hadoop) • GIS and Remote Sensing tools (e.g., QGIS, ArcGIS,Google Earth Engine) • Satellite data platforms (e.g., Sentinel,

				<p>MODIS, Landsat).</p> <ul style="list-style-type: none"> AI platforms and notebooks (e.g., Jupyter, SageMaker, Colab)
18	Geospatial Officer (Database)	4.6,5.6, 6.7	03	<p>EssentialQualification:</p> <p>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</p> <p>OR</p> <p>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.</p> <p>OR</p> <p>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.</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> 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

				<ul style="list-style-type: none"> • 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
19	Senior Technical Surveyor (DGPS CORS Network/UAV & Drone)	3.1, 7.2	05	<p>EssentialQualification: 1st class Bachelor's Degree in Geomatics/Surveying Engineering/Civil Engineering/Geoinformatics, with 3 years of experience</p> <p style="text-align: center;">OR</p> <p>1st class Master' s Degree in Geoinformatics/Remote Sensing and GIS with 2 years of experience</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> • 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 AutoLevel • Survey software: Trimble Business Center, Leica Geo Office, MAGNET, Topcon Tools • Drone mapping & photogrammetry: Pix4D, Drone Deploy, Agisoft Metashape • GIS & CAD: ArcGIS/QGIS, AutoCAD Civil3D, Global Mapper
20	Geospatial Officer (Data& Image	8.1	01	EssentialQualification:

	Services)			<p>1st class Bachelor' s Degree or 1st class Master' s Degree in Computer Science</p> <p>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.</p> <p style="text-align: center;">OR</p> <p>PhD in Computer Science and Engineering/IT/Data Science/AI-ML/ Geoinformatics/Urban Studies/Spatial Technology/Geology/Environmental Science. Total 3years of experience including 1 year in Software development and application customization include GIS applications in infrastructure projects, including roads, utilities, urban development, or land records.</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> • 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, meta data standards like ISO19115). • 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
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				<p>government stakeholders.</p> <ul style="list-style-type: none"> • Team handling • Any relevant certification
21	Geospatial officer (IT or Development GIS Application Module)	8.2, 9.1	02	<p>Essential Qualification:</p> <p>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.</p> <p style="text-align: center;">OR</p> <p>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.</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> • Proficiency in GIS APIs and SDKs (e.g., ArcGIS API for Java Script, 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

				<p>architectures</p> <ul style="list-style-type: none"> • 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
22	GIS Software Developer	8.3	01	<p>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 Planning from 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.</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> • Experience in remote sensing and GIS software's development • Open-source coding • Full stack developer

				<ul style="list-style-type: none"> • Teamhandling • Any relevant certification
23	Geospatial Assistant (Survey)	8.4	02	<p>EssentialQualification:</p> <p>1st class Master's degree from a recognized university in Remote Sensing /GIS / Geo-Informatics & Photogrammetry /Geo-spatial Sciences / Computer Science / Mathematics with 3 years experience in relevant field.</p> <p style="text-align: center;">OR</p> <p>1st class Bachelor's degree in Geomatics/ Surveying Engineering/Civil Engineering/ Geoinformatics/Remote Sensing and GIS with 4 years of Experience</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> • 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, Agisoft Metashape • GIS & CAD: ArcGIS/QGIS, AutoCAD Civil3D, GlobalMapper
24	Geospatial Assistant (Quality Assuranceand Standardizatio n)	8.5	02	<p>EssentialQualification:</p> <p>1st class M.Sc./MCA/M.Tech from a recognized universityinGeo-informatics & Photogrammetry/ Geospatial Sciences/ Computer Science/ Mathematics with minimum 3 years of research, teaching, design and development experience.</p> <p style="text-align: center;">OR</p> <p>Doctorate degree from a recognized</p>

				<p>university in Geo-informatics & Photogrammetry/ Geospatial Sciences/ Computer Science/ Mathematics with 2 years of experience.</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> • 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 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. • Reporting and maintenance of created data base. • QA/QC of data.
25	Geospatial Assistant (Coordination & Support)	8.6	02	<p>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.</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> • Working experience on MS SQL Server/Postgres SQL Server • Handling and Creating • 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

				<p>server, including Active Directory</p> <ul style="list-style-type: none"> • 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
26	Geospatial Assistant (GIS Software Developer)	8.7	02	<p>Essential Qualification: 1stclass 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.</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> • Proficiency in ArcGIS Platform (ArcGISPro, ArcMap, ArcGIS Enterprise, ArcGIS Online). • Experience with ArcPy, Model Builder, • And Python scripting for GIS automation. • Strong knowledge of webGIS • 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 Formats (shapefiles, GeoJSON, KML, • Open-source coding

				<ul style="list-style-type: none"> • Teamhandling • Knowledge of version control systems • Prefer Experience in remote sensing and GIS software's development • Any relevant certification
27	Geospatial Assistant (Property and Land Record Management and Printing & map Production)	8.8	01	<p>Essential Qualification: 1st class Master's Degree in Remote Sensing/GIS/Geo-informatics</p> <p>OR</p> <p>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.</p> <p>Professional Experience: Minimum 3 years experience in relevant field.</p>
28	Scrum Master	6.2	01	<p>Essential Qualification: 1stclass Bachelor's or 1stclass 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 3years of hands-on experience post Master's Degree with agile tools and Agile methodology.</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> • 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. • Experience with scaled Agile frameworks (e.g., SAFe, LeSS, Scrum@Scale) • Expertise in Agile metrics (burn-down, velocity, cumulative flow) • Hands-on experience with DevOpsintegration and CI/CD pipelines

				<ul style="list-style-type: none"> • 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).
29	Quality Assurance Specialist	4.4	01	<p>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 atleast 5 years of hands-on experience post Bachelor's Degree and 3 years of hands-on experience post Master's Degree in PLM tools.</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> • Experience in software quality assurance or testing roles. • Demonstrated expertise in writing test plans, test cases, and defect tracking. • Hands-on experience with Qatools 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

				<p>Assured, or SoapUI</p> <ul style="list-style-type: none"> • 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 • Goodscripting/programming knowledge(e.g., Python, Java, or JavaScript) • Domain knowledge in regulated environments (e.g., healthcare, finance) • Strong communication and documentation skills • Knowledgeofsoftwaredevelopmentlifecy cle (SDLC) and V-model
30	Legal and Technical Documentation Specialist	6.8	01	<p>EssentialQualification: 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.</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> • Experience with drafting contracts, terms of service, privacy policies, or policy briefs preferred. <p>Familiarity with writing for legal-tech tools, software documentation, or regulatory submissions is an advantage.</p> <ul style="list-style-type: none"> • 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

				<ul style="list-style-type: none"> • Attention to detail, structured thinking, and document version • Friendly documentation
31	Technical Content Writer	1.1	01	<p>Essential Qualification:</p> <p>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.</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> • 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

				<p>diagrams and visuals.</p> <ul style="list-style-type: none"> • 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.
32	Senior Geodetic Officer	7.1	01	<p>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.</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> • 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.
33	Junior Electrical Engineer	2.10	01	<p>Essential Qualification: 1st class Bachelor's Degree or 1st class Master's Degree in Electrical Engineering</p>

				<p>from recognized institution by the government.</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> • 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
34	Communication Engineer	7.3	02	<p>Essential Qualification:</p> <p>1st class Master's Degree in Electronics and Communications (ECE) from recognized institution/university.</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> • 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
35	Database Administrator	9.2	01	<p>Essential Qualification:</p> <p>1st class Bachelor's Degree or 1st class Master's Degree in Computer Science / Information Technology / Computer Engineering / Data Engineering / Electronics & Communication or equivalent discipline from a recognized University/Institute.</p>

				<p>Total 5 years of professional experience in IT, including at least 1 year of hands-on experience in Database Administration (DBA) such as installation, configuration, backup & recovery, performance tuning, security management, or high-availability setup on enterprise RDBMS (e.g. PostgreSQL, Oracle, MS SQL Server, MySQL).</p> <p>OR</p> <p>PhD in Computer Science / Information Technology / Computer Engineering / Data Engineering / Electronics & Communication or equivalent discipline from a recognized University/Institute.</p> <p>Total 3 years of professional experience in IT, including at least 1 year of hands-on experience in Database Administration (DBA) such as installation, configuration, backup & recovery, performance tuning, security management, or high-availability setup on enterprise RDBMS.</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> • Expertise in Microsoft SQL Server including: Database design, optimization, indexing, backup & recovery, Managing spatial data types (geometry, geography); Creating stored procedures, triggers, and performance tuning • Hands-on experience with PostgreSQL/ PostGIS: Geodatabase creation, spatial indexing, topology rules; Query optimization & spatial functions; Knowledge of database versioning, branch/version workflows, and data replication; Experience in publishing GIS services (map/feature services) and managing data connections; Ability to implement data quality checks, topology validations, and attribute rules; Strong understanding of database security, access control, user roles, and permissions; Experience with backup planning, disaster recovery, and high availability environments.
36	Frontend Software Developer	9.5	01	<p>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</p>

				<p>Master's Degree in software development and application customization including GIS applications.</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> Geospatial Integration & Mapping Solutions Demonstrated expertise in building complex, interactive, and high-performance mapping applications with advanced layer visualization. Preferred Technologies: <i>ArcGIS JavaScript API, GeoJSON</i> Application Architecture & Scalable State Management Strong command over designing modern, modular web application architectures with robust state management for large-scale geospatial systems. Preferred Technologies: <i>React, TypeScript, Redux</i> Responsive & Accessible UI Engineering Skilled in developing responsive, cross-platform user interfaces that comply with design systems and accessibility standards. Preferred Technologies: <i>Tailwind CSS</i> High-Volume Client-Side Data Visualization Proven capability in rendering and optimizing large geospatial datasets on the client side for smooth, real-time interaction. Preferred Technologies: <i>Client-side Rendering, GeoJSON</i>
37	Backend Software Developer	9.6	01	<p>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.</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> Spatial Database Management & Optimization Extensive experience in administering spatial databases, executing advanced spatial queries, and optimizing spatial indexes for

				<p>high-performance geospatial applications. Preferred Technologies: <i>PostgreSQL (PostGIS), MSSQL</i></p> <ul style="list-style-type: none"> Scalable API & Backend Development Proficient in architecting and deploying scalable backend services and APIs with strong focus on geolocation and spatial data operations. Preferred Technologies: <i>Python, Django, Node.js</i> GIS Principles & Spatial Analysis Strong foundation in GIS concepts, including coordinate reference systems, projections, and spatial analysis operations for accurate geospatial modeling. Preferred Concepts: <i>SRID Projections, Spatial Joins</i> Geospatial Data Processing & Transformation Demonstrated expertise in processing, transforming, and serializing geospatial data formats for enterprise-grade workflows and system integrations. Preferred Formats: <i>Shapefiles, GeoJSON</i>
38	Geospatial Assistant (Data Management & Processing)	9.7	01	<p>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.</p> <p>Specialized work experience (Desirable):</p> <ul style="list-style-type: none"> Working experience on MS SQL Server/Postgres SQL Server Handling and Creating the Database/Enterprise Geodatabase. 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

				<p>communication</p> <ul style="list-style-type: none"> • 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
39	Project Fellow (PF)	9.8	01	<p>Essential Qualification: 1st class master’s degree in Remote Sensing/ GIS/Geo-informatics.</p> <p style="text-align: center;">OR</p> <p>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.</p> <p>*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.</p>

Terms and conditions:-

- 1. Candidate will ensure eligibility and other requirements before filling the application form.*
- 2. Incomplete application form 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 engagement is one year or earlier which may be increased or decreased depending on the performance/requirement.*
- 5. The eligible candidates will be called for Written/Skill Test/Interaction in due course of time.*
- 6. In any discrepancy, decision of the Director,HARSAC will be final and abide by the candidates.*
- 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

APPLICATION FORM

(Advt. No. HARSAC/HSR/Recruitment/PP/2025/03)

1) Post Applied for :

2) Name of the Project :

**LATEST SELF
ATTESTED
PHOTO**

3) Name of the Candidate :

4) Date of Birth :

5) Name of Father/ Husband :

6) Contact Tel/Mobile No. :

7) E-mail Address :

8) Nationality :

9) Address for correspondence :

10) Permanent Address :

11) Whether SC/ST/OBC/General :

12) Educational/Professional Qualifications (Matriculation onwards):

Sr. No.	Examination Passed (Indicate name of degree)	University/ Board	Year of Passing	Division/Grade	Exact % of marks	Subjects Studied
1.	10 th class					
2.	12 th Class					
3.	Graduation					
4.	Master Degree					
5	Higher Qualification, if any					

13) Relevant Experience (Enclose supporting documents) :

14) Publications (If any, mention SCI journal or Non SCI Journal and enclose) :

15) National Level Test Passed (if any) :

Name of Test	Year of Passed	Subject/Discipline	Validity Date
GATE/NET/National Level Other Test in relevant stream/subject			

16) Any other information :

17. **DECLARATION**

I affirm that the information given in this application form is true and correct to the best of my knowledge and belief. I also fully understand that if at any stage it is discovered that an attempt has been made by me to willfully conceal or misrepresent the facts, my appointment may be terminated along with any other legal action deemed fit under the law.

Signature of the candidate with date

List of enclosures (Self attested copies of all the documents mentioned in the application form should be attached):

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.