



Haryana Space Applications Centre (HARSAC)
(Citizen Resources Information Department, Haryana)
CCS Haryana Agricultural University Campus
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Advt.no. HARSAC/HSR/Recruitment/PP/2023/01

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 DeenbandhuSir Chhotu Ram University of Science & Technology (DCRUST), Murthal, (Sonipat) i.e. <https://dcrustconsultancy.in> upto **06.02.2023**. **The portal will be opened w.e.f. 24.01.2023 and closed on 06.02.2023**. **The online MCQ examination will be held on 11.02.2023 and 12.02.2023**. 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

Requirement of Manpower in Various projects of HARSAC

1	Name of Project : "Rejuvenation of Ponds / Water Bodies in Haryana"		
	Name & No. of Post	Salary per month (in Rs.)	Qualification
	Sr.GIS Developer (01)	Rs.75,600/-	<p>EssentialQualifications: Graduate or higher degree in Computers/Geospatialtechnology from any university/Professional Institution recognized by Government with experienceintheGISsoftware'sdevelopment and applications customization. Minimum 5+years of experience.</p> <p>Desirable work experience:</p> <ul style="list-style-type: none"> •Experienceinremotesensing and GISsoftware'sdevelopment •Open-sourcecoding •Full stack developer •Team handling •Any relevant certification
	Sr. Developer (01)	Rs. 66150/-	<p>Essential Qualifications: Graduate or higher degree in Computers with work experience in Software development. Minimum 3+years of experience.</p> <p>Desirable: Experience in JAVA script, Dot net, C sharp, understanding of SQL server, Postgress SQL. Development of web-app.</p>
	Project Fellow (02)	Rs. *31,000 + HRA OR Rs.25,000 + HRA	<p>EssentialQualification: 1st class master Degree in Remote Sensing/GIS/Geo-informatics OR 1st class Master's degree in the relevant field i.e. Water Resources/Agriculture/Forestry/Geography/Environmental Science/Mathematics/Physics/Botany/Urban Regional Planningwith P.G. Diploma in Remote Sensing/GIS/Geo-informatics.</p>
2	Project Name; "Digitization, Geo-referencing & Superimposition of Layout Plans, Sajra Plans and Development of GIS System for HSPV properties."		
	Sr. Software Development Officer (01)	Rs.90,000/-	<p>EssentialQualification: Graduate or higher degree in Computers/Geospatialtechnology from any university/Professional Institution recognized by Government with experienceintheGISsoftware'sdevelopment and applications customization. Minimum 5+ years of experience.</p> <p>Desirable:</p> <ul style="list-style-type: none"> • 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

			<p>systems.</p> <ul style="list-style-type: none"> • Full stack developer • Team handling • Any relevant certification
	Project Fellow (05)	Rs.*31,000 + HRA OR Rs.25,000 + HRA	<p>EssentialQualification: 1st class Master Degree in Remote Sensing/GIS/Geo-informatics OR 1st class Master's degree in the relevant field i.e. Water Resources/Agriculture/Forestry/Geography/Environmental Science/Mathematics/Physics/Botany/Urban Regional Planning with P.G. Diploma in Remote Sensing/GIS/Geo-informatics</p>
3	Project Name: "Creation of GIS Cell in Municipal Corporation (MCF) Faridabad (Phase-II)		
	Sr. Software Developer <ul style="list-style-type: none"> • Application (01) • Data (01) 	Rs.66,150/-	<p>EssentialQualification: Graduate or higher degree in Computers from any university/Professional Institution recognized by Government with work experience in Software and GIS data development. Minimum 3+ years of experience. Desirable: <ul style="list-style-type: none"> • Experience in the development of GIS Applications. • Development of Web and REST APIs with Node.js and .net • Knowledge with the ASP.NET and Express.js Node framework, SQL Server and design/architectural patterns. • Experience in location, tracking mobile app APIs & dashboards. • Good skills in bug resolutions, DB Planning & Designing the architecture. • 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. • Development of Web and REST APIs with Node.js and .net • Development of web-app and exposure of Mobile app development. • Team handling • Any relevant certification </p>
	Jr. Software Developer <ul style="list-style-type: none"> • Data (01) • IOS (01) 	Rs.37,406/-	<p>EssentialQualification: Graduate or higher degree in Computers/IT/Geo-informatics from any university/Professional Institution recognized by Government. Minimum 1+ year of experience. Desirable: <ul style="list-style-type: none"> • Android and IOS Application experience. • Rich knowledge of Android APIs and Frameworks. • Familiar with Objective-C, Cocoa Touch and Swift. • Experience working with iOS frameworks such as Core Data, Core Animation, Core Graphics and Core Text. • Additional skills in SQL, MySQL, Postgres SQL and other RDBMS. Comfortable with CSS, XHTML, XML, JavaScript, JQuery and Ajax. • Knowledge of Java Native Interface (preferred). • Sound knowledge on object-oriented programming. Expertise in Git, MySQL, XML, JSON, and WebService. • GIS programming background (preferred). • Able to write and debug cross-platform code for mobile database. • MySQL, Postgres SQL and other RDBMS. Comfortable with CSS, XHTML, XML, JavaScript, JQuery and Ajax. </p>

			•API written knowledge will be given added advantage.
4	Project Name: "Drone Imaging & Information Services of Haryana"		
Team Lead Digitization/ Feature Extraction) (01)	Rs.54000/-+ HRA	<p>Essential Qualification: Minimum 3 years of research, teaching, design and development experience after 1st class M.Sc./MCA/ M.Tech. from a recognized university in Geo-informatics & Photogrammetry/Geospatial Sciences/ Computer Science / Mathematics/RS and GIS.</p> <p style="text-align: center;">OR</p> <p>Doctorate or equivalent degree from a recognized university in the relevant field. Two years' experience after obtaining essential qualification.</p> <p style="text-align: center;">And</p> <p>At least one research paper in Science Citation Indexed (SCI) Journal.</p> <p>Desirable :</p> <ul style="list-style-type: none"> • 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, Agisoft Photo scan 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. • 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 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. 	
GIS Technician (Digitization /Feature Extraction) (05)	Rs.31000/- +HRA	<p>Essential Qualification: 1st Class Master's degree from a recognized university in Remote Sensing/GIS/Geo-Informatics & Photogrammetry/Geo- spatial Sciences / Computer Science / Mathematics.</p> <p style="text-align: center;">AND</p> <p>The candidates have cleared NET test – CSIR, UGC, NET including Lectureship (Assistant Professorship) and GATE or should have cleared any National Level examination, such as DST/DBT/DOS/DAE/DRDO/ICAR/IISC etc.</p> <p>Desirable:</p> <ul style="list-style-type: none"> • 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 	

			<p>etc. (latest technology/ software) of automatic/manual features extraction using Orthorectified images generated from UAV.</p> <ul style="list-style-type: none"> • 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.
5	Project Name: Time Series Mapping of Kharif and Rabi Crops of Haryana – A Geospatial Approach		
	<p>Research Associate-III Specialization : Optical Remote Sensing Data Processing & Analysis (04)</p> <p>Research Associate-III Specialization : Microwave Remote Sensing Data Processing & Analysis (03)</p>	<p>Rs. 40,000/- +HRA OR #Rs.54,000/- + HR A</p>	<p>EssentialQualification: Ph.D.inRemoteSensing &GIS(utilizingOpticalRemoteSensing)/Geo-Informatics/Geography /Geo-Sciences/ Environmental Science/ Forestry/Agronomy/Agriculture/ComputerScience&Engineering/ MeteorologywithuseofGeo-spatialtechniquesinPh.D.researchwork.</p> <p>OR</p> <p>1stClassMaster'sdegreeinRemoteSensing/GIS/Geo-Informatics/Geography/Geo-Sciences/ Environmental Science/Forestry/ Agronomy/Agriculture/Computer Science &Engineering/ Meteorology from recognized Universitywith3-yearexperienceinrelevantfield</p> <p>AND</p> <p>Atleast oneresearchPaperpublished in peer reviewed Journal after fulfilling Essential qualification</p> <p>AND</p> <p>With two years relevant experience after obtainingessentialqualifications</p> <p>Desirable:</p> <ul style="list-style-type: none"> • Work experience in using optical remote sensing data • Work experience in using microwave remote sensing data. • Work experience relevant to Artificial Intelligence/ Machine Learning (AI/ML) technique
	Project Fellow (06)	<p>Rs.*31,000/- + HRA or Rs.25,000/- + HRA</p>	<p>EssentialQualification: 1st class master Degree in Remote Sensing/GIS/Geo-informatics</p> <p>OR</p> <p>1st class Master's degree in the relevant field i.e. Water Resources/Agriculture/Forestry/Statistics/Geography/Environmental Science/Mathematics/Physics/Botany/Urban Regional Planning with P.G. Diploma in Remote Sensing/GIS/Geo-informatics</p>
6	Project Name: Establishment of HARSAC GIS Lab at District Level		
	Project Fellow (06)	<p>Rs.*31,000 + HRA or Rs. 25,000 + HRA</p>	<p>EssentialQualification: 1st class Master Degree in Remote Sensing/GIS/Geo-informatics/Geomatics/Geospatial Technology from a recognized university/Institute</p> <p>OR</p> <p>1st class Master's degree in Geography with one yearP.G. Diploma in Remote Sensing/GIS/Geospatial technology/Geo-informatics from a recognized university/ Institute</p>
7	Satellite Based Monitoring of Crop Residue Burning Events and Burnt area Estimation for Kharif (2022) and Rabi (2023) in Haryana		
	Project Assistant (01)	Rs.32000/-	<p>Essential Qualifications: 1st Class M.Tech / M.Sc. in Remote Sensing/ GIS/Geoinformatics/Geomatics from a recognized institute with at least 6 months experience in Satellite based Crop Residue Burning Monitoring / Assessment Project.</p>

Terms and conditions:-

- 1. HARSAC may increase or decrease the number of posts.*
- 2. Tenure of the project is one year which may be increased or decreased.*
- 3. *Revised Salary of Rs. 31,000 + HRA will be paid to 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.*
- 4. # Revised salary of Rs. 54,000 + HRA will be paid to Research Associate -III having the above qualification with at least one research paper published in Science Citation Index (SCI) journal.*
- 5. Incomplete application forms shall not be entertained.*
- 6. The eligible candidates will be invited by DCRUST for attending the Written / Skill Test in due course.*