



**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](http://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 Deenbandhu Sir Chhotu Ram University of Science & Technology (DCRUST), Murthal, (Sonapat) 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

<b>1</b>	<b>Name of Project : "Rejuvenation of Ponds / Water Bodies in Haryana"</b>		
	<b>Name &amp; No. of Post</b>	<b>Salary per month (in Rs.)</b>	<b>Qualification</b>
	Sr.GIS Developer (01)	Rs.75,600/-	<p><b>EssentialQualifications:</b> 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><b>Desirable work experience:</b></p> <ul style="list-style-type: none"> <li>•Experienceinremotesensing and GISsoftware'sdevelopment</li> <li>•Open-sourcencoding</li> <li>•Full stack developer</li> <li>•Team handling</li> <li>•Any relevant certification</li> </ul>
	Sr. Developer (01)	Rs. 66150/-	<p><b>Essential Qualifications:</b> Graduate or higher degree in Computers with work experience in Software development. Minimum 3+years of experience.</p> <p><b>Desirable:</b> 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><b>EssentialQualification:</b> 1st class master Degree in Remote Sensing/GIS/Geo-informatics <b>OR</b> 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>
<b>2</b>	<b>Project Name; "Digitization, Geo-referencing &amp; Superimposition of Layout Plans, Sajra Plans and Development of GIS System for HSVP properties."</b>		
	Sr. Software Development Officer (01)	Rs.90,000/-	<p><b>EssentialQualification:</b> 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><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>• Development of Web and REST APIs with Node Js and .net</li> <li>• Familiarity with the ASP.NET framework, and Express JS Node framework, SQL Server and design/architectural patterns</li> <li>• Will be Preferred if Experience in location, tracking mobile app APIs &amp; dashboards.</li> <li>• Good skills in bugs resolutions, DB Planning &amp; Designing the architectures</li> <li>• Knowledge of API Documentation process flows &amp; data, speed optimizations in gathering - posting the data from / to the server</li> <li>• 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.</li> </ul>

			<ul style="list-style-type: none"> <li>• Full stack developer</li> <li>• Team handling</li> <li>• Any relevant certification</li> </ul>
	Project Fellow (05)	Rs.*31,000 + HRA  OR Rs.25,000 + HRA	<p><b>EssentialQualification:</b> 1st class Master Degree in Remote Sensing/GIS/Geo-informatics <b>OR</b> 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>
<b>3</b>	<b>Project Name: "Creation of GIS Cell in Municipal Corporation (MCF) Faridabad (Phase-II)</b>		
	Sr. Software Developer <ul style="list-style-type: none"> <li>• Application (01)</li> <li>• Data (01)</li> </ul>	Rs.66,150/-	<p><b>EssentialQualification:</b> 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.</p> <p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>• Experience in the development of GIS Applications.</li> <li>• Development of Web and REST APIs with Node.js and .net</li> <li>• Knowledge with the ASP.NET and Express.js Node framework, SQL Server and design/architectural patterns.</li> <li>• Experience in location, tracking mobile app APIs &amp; dashboards.</li> <li>• Good skills in bug resolutions, DB Planning &amp; Designing the architectures.</li> <li>• API Documentation process flows &amp; data, speed optimizations in gathering-posting the data from/ to the server.</li> <li>• 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.</li> <li>• Development of Web and REST APIs with Node.js and .net</li> <li>• Development of web-app and exposure of Mobile app development.</li> <li>• Team handling</li> <li>• Any relevant certification</li> </ul>
	Jr. Software Developer <ul style="list-style-type: none"> <li>• Data (01)</li> <li>• IOS (01)</li> </ul>	Rs.37,406/-	<p><b>EssentialQualification:</b> Graduate or higher degree in Computers/IT/Geo-informatics from any university/Professional Institution recognized by Government. Minimum 1+ year of experience.</p> <p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>• Android and IOS application experience.</li> <li>• Rich knowledge of Android APIs and Frameworks.</li> <li>• Familiar with Objective-C, Cocoa Touch and Swift.</li> <li>• Experience working with iOS frameworks such as Core Data, Core Animation, Core Graphics and Core Text.</li> <li>• Additional skills in SQL, MySQL, Postgres SQL and other RDBMS. Comfortable with CSS, XHTML, XML, JavaScript, JQuery and Ajax.</li> <li>• Knowledge of Java Native Interface (preferred).</li> <li>• Sound knowledge on object-oriented programming. Expertise in Git, MySQL, XML, JSON, and Web Service.</li> <li>• GIS programming background (preferred).</li> <li>• Able to write and debug cross-platform code for mobile database.</li> <li>• MySQL, Postgres SQL and other RDBMS. Comfortable with CSS, XHTML, XML, JavaScript, JQuery and Ajax.</li> <li>• API written knowledge will be given added advantage.</li> </ul>

4	<b>Project Name: “Drone Imaging &amp; Information Services of Haryana”</b>		
	<p>Team Lead</p> <p>Digitization/ Feature Extraction) (01)</p>	<p>Rs.54000/-+ HRA</p>	<p><b>Essential Qualification:</b> 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 &amp; Photogrammetry/Geospatial Sciences/ Computer Science / Mathematics/RS and GIS. OR Doctorate or equivalent degree from a recognized university in the relevant field. Two years’ experience after obtaining essential qualification. And At least one research paper in Science Citation Indexed (SCI) Journal. <b>Desirable :</b></p> <ul style="list-style-type: none"> <li>• Knowledge of GPS/DGPS based instruments/CORS survey, data processing and handling of outputs.</li> <li>• 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.</li> <li>• Working knowledge of Pix4D, Correlator3D, Site Scan for ArcGIS, Agisoft Photo scan Pro, ERDAS Imagine, ENVI etc.</li> <li>• Data management of UAV data outputs in various formats.</li> <li>• Capability to resolve issues in processing of UAV data including point cloud classification.</li> <li>• QA /QC of data.</li> <li>• Should have more than one year of experience in UAV Image Interpretation and feature extraction.</li> <li>• Knowledge and working experience on ARCGIS / QGIS etc. (latest technology/ software) of automatic / manual feature extraction using Orthorectified Images generated from UAV.</li> <li>• Knowledge of attribute collection and field addition, merging of various attribute tables in ARCGIS and QGIS.</li> <li>• Knowledge of data model structure and layout of maps. Reporting and maintenance of created data base.</li> </ul>
	<p>GIS Technician</p> <p>(Digitization /Feature Extraction) (05)</p>	<p>Rs.31000/- +HRA</p>	<p><b>Essential Qualification:</b> 1st Class Master’s degree from a recognized university in Remote Sensing/GIS/Geo-Informatics &amp; Photogrammetry/Geo- spatial Sciences / Computer Science / Mathematics. <b>AND</b> 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. <b>Desirable:</b></p> <ul style="list-style-type: none"> <li>• Knowledge of GPS/DGPS based instruments/ CORS survey, data processing and handling of outputs.</li> <li>• 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.</li> <li>• Working knowledge of Pix4D, Correlator3D, Site Scan for ArcGIS, Agisoft Photo scan Pro, ERDAS Image, ENVI etc.</li> <li>• Should have more than one year of experience in UAV Image Interpretation and feature extraction.</li> <li>• Knowledge and working experience on ARCGIS / QGIS etc. (latest technology/ software) of automatic/manual features extraction using Orthorectified images generated from UAV.</li> </ul>

			<ul style="list-style-type: none"> <li>• Knowledge of attribute collection and field addition, merging of various attribute tables in ARCGIS and QGIS.</li> <li>• Knowledge of data model structure and layout of maps.</li> </ul>
<b>5</b>	<b>Project Name: Time Series Mapping of Kharif and Rabi Crops of Haryana – A Geospatial Approach</b>		
	<p>Research Associate-III Specialization : Optical Remote Sensing Data Processing &amp; Analysis (04)</p> <p>Research Associate-III Specialization : Microwave Remote Sensing Data Processing &amp; Analysis (03)</p>	<p>Rs. 40,000/- +HRA OR #Rs.54,000/- + HR A</p>	<p><b>EssentialQualification:</b> Ph.D.inRemoteSensing &amp;GIS(utilizingOpticalRemoteSensing)/Geo-Informatics/Geography /Geo-Sciences/ Environmental Science/ Forestry/Agronomy/Agriculture/ComputerScience&amp;Engineering/ MeteorologywithuseofGeo-spatialtechniquesinPh.D.researchwork.</p> <p><b>OR</b></p> <p>1<sup>st</sup>ClassMaster'sdegreeinRemoteSensing/GIS/Geo-Informatics/Geography/Geo-Sciences/ Environmental Science/Forestry/ Agronomy/Agriculture/Computer Science &amp;Engineering/ Meteorology from recognized Universitywith3-yearexperienceinrelevantfield</p> <p><b>AND</b></p> <p>Atleast oneresearchPaperpublished in peer reviewed Journal after fulfilling Essential qualification</p> <p><b>AND</b></p> <p>With two years relevant experience after obtainingessentialqualifications</p> <p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>• Work experience in using optical remote sensing data</li> <li>• Work experience in using microwave remote sensing data.</li> <li>• Work experience relevant to Artificial Intelligence/ Machine Learning (AI/ML) technique</li> </ul>
	Project Fellow (06)	<p>Rs.*31,000/- + HRA or Rs.25,000/- + HRA</p>	<p><b>EssentialQualification:</b> 1st class master Degree in Remote Sensing/GIS/Geo-informatics</p> <p><b>OR</b></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>
<b>6</b>	<b>Project Name: Establishment of HARSAC GIS Lab at District Level</b>		
	Project Fellow (06)	<p>Rs.*31,000 + HRA or Rs. 25,000 + HRA</p>	<p><b>EssentialQualification:</b> 1st class Master Degree in Remote Sensing/GIS/Geo-informatics/Geomatics/Geospatial Technology from a recognized university/Institute</p> <p><b>OR</b></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>
<b>7</b>	<b>Satellite Based Monitoring of Crop Residue Burning Events and Burnt area Estimation for Kharif (2022) and Rabi (2023) in Haryana</b>		
	Project Assistant (01)	Rs.32000/-	<p>Essential Qualifications: 1<sup>st</sup> 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. *Those candidates who have already applied earlier for the above said posts, need not to be applied again.*
4. *\*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.*
5. *# 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.*
6. *Incomplete application forms shall not be entertained.*
7. *The eligible candidates will be invited by DCRUST for attending the Written / Skill Test in due course.*