PUNJAB REMOTE SENSING CENTRE

PAU Campus, Ludhiana 141004

(Advertisement No. 4/2020 - DT.12.11.2020)

Applications are invited for the posts of Research Fellows, Jr. Research Fellows - Remote Sensing & GIS; Web GIS Developer–Open Source; iOS based Mobile App Developer; and Project Fellows on contractual basis for a period of six months likely to be extended based on candidate's performance review and Project Scheme/Centre's requirements. For further details visit website www.prsc.gov.in.

Sd/-
Director

PUNJAB REMOTE SENSING CENTRE

(A Government of Punjab Enterprise)

PAU Campus, Ludhiana 141004 www.prsc.gov.in

(Advertisement No. 4/2020 - DT.12.11.2020)

Applications are invited from Indian young dynamic eligible candidate who has passion for innovation and work with contemporary technologies such as application of Space and Geospatial and development of ICT tools for the welfare of people of state. Selection by short listing of candidates and through Written test and/or interview purely on contractual basis for the posts of Research Fellow, Jr. Research Fellow and Project Fellow (as per detailed advertisement) for a period of six months or specified against item/post likely to be extended further based on candidate's satisfactory performance review and Project Scheme/Centres requirements. The selected candidates shall be posted at any locations (Ludhiana, Chandigarh, SAS Nagar (Mohali) and anywhere in Punjab) as per the requirements. The shortlisted candidate will be informed by email and mobile as given in the applications before written test. However, PRSC cannot take any responsibility in case either of it may be non reachable or contactable for any reason. The candidates may choose to check with the office in this regard if he/she may not receive information. The recruitments are as under:-

Name of Post(s)	Number of post(s)	Qualifications	1.Last Date of submission of online application 2. Date and Day of Online interview
1. GEOLOGY, WATER RESOURCES AND GEOINFORMATICS DIVISION			
A) Jr. Research Fellow (Web GIS Developer–Open Source) Salary Rs. 25,000/- per month including all allowances (consolidated).	Two (02)	**Essential Educational Qualification*** First class Graduate in Science / Technology / Engineering with First class Masters Degree in Computer Science, Remote Sensing / GIS / Geoinformatics / Geomatics and equivalent. *Desirable Qualification:* • Excellent knowledge of JavaScript, HTML5, CSS3, Angular JS and JQuery. • Experience in Open Source GIS components like Open layers, leaflet, PostgreSQL, PostGIS, will be an added advantage. • Proficiency with Java technologies. • Working knowledge in Linux Platform. • Working with Web Mapping API (Mapbox, ESRI) and OpenGeo (GeoServer). • Working with Geospatial data (SHP, KML, GeoJSON) as well as OGC standards (WMS, WFS). • RS data processing using scripting languages (Python, MATLAB and IDL) • Minimum six month experience with good logical and programming skills clearly evident from candidate's work. • Good ability to anticipate issues and formulate remedial actions. • Candidates having experience in Remote Sensing & GIS (in addition to above qualifications) may be given preference.	1. 24.11.2020 2. 01.12.2020 (Tuesday)

| B) Jr. Research Fellow (Remote Sensing & GIS) Salary :Rs. 25,000/- per month including all allowances (consolidated) | One (01) | **Essential Educational Qualification**
 First class Graduate in Science / Technology / Engineering with First Class Masters Degree in Remote Sensing / GIS / Geo-informatics / Geomatics / Spatial Sciences

 Desirable Qualification:
 • Excellent knowledge of Remote Sensing.
 • Proficiency in Satellite Data processing using any mentioned scripting Language (Python, R, MATLAB, and IDL).
 • Proficiency with PostgreSQL database will be an added advantage
 • Working with Geospatial data (SHP, KML, GeoJSON) as well as OGC standards (WMS, WFS)
 • Good ability to anticipate issues and formulate remedial actions.
 • Minimum six month experience with good logical and programming skills clearly evident from candidate's work
 • Candidate having experience in Meteorological, environmental, agricultural analysis using remotely sensed data will be given preferences
 • Proficiency in written, oral and interpersonal communications skills.
 • Familiarity with data science including analysis and reduction techniques, numerical algorithms, big data and deep learning concepts.
 Familiarity with spatial image processing and analysis, and geospatial information system (GIS) algorithms. | 1. 25.11.2020

 2. 02.12.2020 (Wednesday) |
| C) Jr. Research Fellow (iOS Based Mobile App Developer) Salary :Rs. 25,000/- per month including all allowances (consolidated). | One (01) | **Essential Educational Qualification***
 First class Graduate in Technology / Engineering with First class First class Master's in Information Technology (IT) / Computer Science (CS) / Computer Science & Engineering (CSE) / Electronics & Communication Engineering (ECE) and equivalent
 Desirable Qualification:
 • Good knowledge in iOS app design and development.
 • Proficient with Objective-C or Swift, and Cocoa touch.
 • Experience with iOS frameworks such as Core Data, Core Animation, etc.
 • Experience with offline storage, threading and performance tuning
 • Familiarity with RESTful APIs to connect iOS applications to back-end services
 • Knowledge of other web technologies and UI/UX standards
 • Knowledge of low-level C-based libraries is preferred
 • Familiarity with cloud message APIs and push notifications
 • Proficient understanding of code versioning tools ({such as Git, Mercurial or SVN})
 • Minimum six month experience in mobile application Development both in iOS & Android app with good logical and programming skills clearly evident from candidate's work | 1. 24.11.2020

 2. 01.12.2020 (Tuesday) |

***Equivalent Means:** Candidates with First class B.E./B.Tech. Degree in Computer Science (CS)/Computer Science Engineering (CSE)/Information Technology with minimum **one year professional experience** after obtaining degree.

D) Project Fellow (.Net Developer) Salary: Rs.12,000/-# Per month including all allowances (consolidated) #Rs.10,000/- for candidates with less than six months professional experience	One (01)	**Essential Educational Qualification:** First class Graduate in Technology / Engineering in Information Technology (I.T) / Computer Science and Engineering/ Electronics and Communication Engineering (ECE). **Desirable Qualification:** • Proficient knowledge of ASP.Net web form / MVC architecture, C#, ADO.NET, HTML, CSS, JQuery, AJAX, SQL Server. • Good knowledge in database design and development. • Proficiency in Windows and Linux platform. • Minimum six month experience in web application Development with good logical and programming skills clearly evident from candidate's work. • Proficiency in technical report written, and technical presentation.	1. 26.11.2020 2. 03.12.2020 (Thursday)
2. LAND RESOURCE UTILITIES AND INFRASTRUCTURE (LRU&I) DIVISION			
A) Project Fellow (Open Source CAD) Salary: Rs.12,000/-# Per month including all allowances (consolidated) #Rs.10,000/- for candidates with less than six months professional experience	Five (05)	**Essential Educational Qualification:** Engineering Diploma in Draftsmanship/Civil/ Mechanical/ Computer / Survey with knowledge in computer and drafting tools with 6 months or more experience. **Desirable:** • Excellent knowledge of CAD data digitization, manipulation and conversion. • Should have knowledge of Open Source CAD Software for data digitization • Knowledge of Utility Mapping and GIS projects will be added advantage. • Working with Geospatial data (SHP, KML, GeoJSON). • Candidate having experience in Open Source CAD Software will be given added advantages. • Knowledge of geospatial and mapping concepts such as spatial analysis, map projections, etc. • Good interpersonal skills	1. 26.11.2020 2. 03.12.2020 (Thursday) Ajaimathur
3. AGRO-ECOSYSTEM AND CROP MODELLING DIVISION			
A) Research Fellow (Digital Image Analyst) Salary Rs.27,000/- per month including all allowances (consolidated)	Two (02)	**Essential:** First class Master's degree in Remote Sensing and GIS/Geoinformatics/GIST from recognized and reputed institution/university with 1 year experience as JRF in the field of applications of Remote Sensing & GIS Or First class Master's degree in Agricultural Sciences/ Engineering/Geography/Forestry/Environmental Sciences with diploma in RS and GIS and 1 year experience as JRF in the field of applications of Remote Sensing & GIS in Agriculture. **Desirable:** • Candidates with working experience in Remote Sensing/GIS applications in Agriculture/Horticulture/ Ecology may be given preference • A proven record of writing projects reports research papers and Proficiency in Image Processing Software's (Like ERDAS IMAGINE, PCI-Geomatica, ENVI etc.) • 2 years or more experience	1. 04.12.2020 2. 18.12.2020 (Friday)

B) Jr. Research Fellow (Remote Sensing&GIS analyst) Salary Rs.25000/- per month including all allowances (consolidated)	Two (02)	**Essential** First class Master's degree in Remote Sensing and GIS/Geoinformatics/GIST (or related subject) **Desirable:** • Fast Learner and team worker • Good knowledge of spatial analysis using GIS and imaging softwares	1. 04.12.2020 2. 17.12.2020 (Thursday)
C) Jr. Research Fellow (Hyperspectral Remote Sensing Analyst) Salary Rs.25000/- per month including all allowances (consolidated)	One (01)	**Essential** First class Master's degree in Remote Sensing and GIS/Geoinformatics/GIST/Earth Sciences/ Agricultural Sciences/Engineering (or related subject) with good knowledge of hyperspectral remote sensing and statistical techniques as evident from thesis/ publications **Desirable:** • Fast Learner and team worker • Good knowledge of digital image processing and spatial analysis using GIS and imaging softwares.	1. 04.12.2020 2. 17.12.2020 (Thursday)
D) Jr. Research Fellow (Microwave Remote Sensing Analyst) Salary Rs.25000/- per month including all allowances (consolidated)	One (01)	**Essential** First class Master's degree in Remote Sensing and GIS/Geoinformatics/GIST/Earth Sciences/ Agricultural Sciences/Engineering (or related subject) with good knowledge of microwave remote sensing and statistical techniques as evident from thesis/ publications **Desirable:** • Fast Learner and team worker • Good knowledge of digital image processing and spatial analysis using GIS and Imaging softwares	1. 04.12.2020 2. 17.12.2020 (Thursday)
E) Project Fellow Salary Rs.12,000/-# per month including allowances (consolidated). #Rs.10,000/- for candidates with less than six months professional experience	Two (02)	**Essential Qualification:** First class Graduate in Agricultural Sciences/Basic Sciences/Engineering/Geography **OR** First class Master degree in Remote Sensing and GIS / Geoinformatics/Geography **Desirable:** Good Knowledge of GIS and related application software and tools with minimum six month experience **Note 1:** Candidates with Postgraduate Diploma in Remote Sensing and GIS/Geoinformatics, in addition to Master's Degree, may be given weightage	1. 04.12.2020 2. 18.12.2020 (Friday)
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4. Project Title "Towards the development of monitoring and forewarning system for late blight disease of potato by integrating epidemiological, proximal and remotely sensed data"

A) Research Fellow Salary: (Rs 14000/- per month plus 16% HRA	One (01)	Postgraduate degree in Remote Sensing and GIS/ Geoinformatics/Geospatial Technology (or related subjects)	1. 23.11.2020 2. 27.11.2020 (Friday)

- *Mode of submission of applications: Online (https://gis-prsc.punjab.gov.in/recruitment/)*
- *Mode of written test and Interview: Online*

- Desirous candidates may apply using link shared above by filling complete details in the online application form and submitting scanned copies of required certificates, supporting documents in response to qualifications, testimonials and experience can be uploaded online.
- Scanned copies of the required certificates and documents shall be legible, if not so, the application is likely to be rejected.
- It is mandatory for all candidates to deposit a non refundable fee **Rs.1000/- for Research Fellow, Rs.800/- for Jr. Research Fellow (JRF), Rs.500/- for Project Fellow** by online transfer in the following bank account on or before the last date of online submission of the application

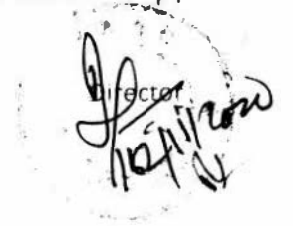| Account Name	:	Director, Punjab Remote Sensing Centre
Name of Bank	:	State Bank of India
Name of Branch	:	PAU Campus, Ludhiana
Saving Bank Account No.	:	32430207442
IFSC Code	:	SBIN0001482

- The details of online payment will have to be updated in the application form submitted online on or before due dates given in the last column to be eligible for selection process.
- Shortlisted eligible candidates shall be intimated for appearing online written test/interview before the date of online written test.

PRSC is not responsible for any delays and late submission such applications will not be considered and summarily rejected

Note: Candidates those who cannot produce original degrees (including Provisional Degree Certificate - PDC), Date of Birth, conversion factor of CGPA and Mark sheets etc. will not be entertained.

- Age limit: Not more than 37 years on the last date of submission of application. Relaxation in age as per rules
- Candidate having more experience and qualifications in relevant field and meeting all criteria as prescribed against post shall be given weightage.
- Candidates are advised to visit our official website for any updates/information or change of selection dates in special circumstances as may be arising
- Canvassing in any form will lead to summarily rejection of candidature and blacklisting of candidates

PRSC reserve the right to fill or partially fill or not to fill or may increase or decrease the number(s) of the above positions. In all cases decision of Director, PRSC is final and binding.

Director