

**PUNJAB REMOTE SENSING CENTRE,
PAU CAMPUS, LUDHIANA
Advertisement No. 06/2022
www.prsc.gov.in**

Applications are invited from Indian Nationals through registered/speed posts for the following vacant posts on regular basis:-

S. No.	CATEGORY-I Nomenclature of post	Pay Scale	No. of posts	Non-refundable application fee	Maximum age as on 31.10.2022
1	Scientist-SC (Geospatial Data Science)	Rs.56100/- Initial Pay	1 (One)	Rs.2000/-	37 years
2	Scientist-SC (Geo Data Analytics, Research and Modelling (AI, ML, IoT, Data Science & Analytics))	Rs.56100/- Initial Pay	1 (One)	Rs.2000/-	37 years
CATEGORY-II					
3	Multi-Tasking Executive (General)	-	1 (One)	Rs.1500/-	37 years
4	Programmer	-	1 (One)	Rs.1500/-	37 years
5	Web Application Developer	-	2 (Two) 1 Reserved for SC/ST/BC 1 for General	Rs.1500/-	37 years

(Sr. No. 3,4,5) Government of Punjab has issued a Notification No.7/42/2020-5FPI/741-746 dated 17.7.2020 vide which it is in the process of revising the pay scales of Regular Employees of Government of Punjab as well as Autonomous Bodies. Because of this notification, the pay scale are not mentioned in the Advertisement issued by PRSC for candidates who apply for regular posts. The Centre will provide the information to the candidates regarding the pay scales as and when it is received from Government of Punjab.

The minimum pay admissible for the ibid posts shall be as per the notification No.7/204/2012-4FP1/66 dated 15.01.2015 and Notification No. 1/6/2016-4PP1/834680/1 dated 07.09.2016, Government of Punjab Department of Personnel PP-1 Branch Chandigarh, fixed emoluments equal to Minimum Pay without any allowance will be paid during probation period of 3 years.

The last date for submission of form is **31st October, 2022**. For more details, the candidates are advised to visit PRSC website www.prsc.gov.in

CATEGORY-I

Scientist SC (Geospatial Data Science) : One Post

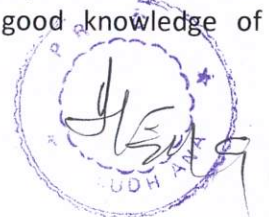
Essential Qualifications :

a. First Class B.E/B.Tech/B.Sc. in Electronic and Telecommunication Engineering or equivalent/ Civil Engineering or equivalent or Computer Science and Engineering/Information Technology or equivalent or Geo-informatics/Geomatics or equivalent (with Mathematics and Physics) in Graduation

AND

b. First Class M.E/M.Tech/ M.Sc. in Geospatial Technology / Sciences (Remote Sensing/ Remote Sensing & Geographic Information System/ Geomatics/ Geoinformatics/ Spatial Information Technology/ Geospatial Technology / Geoinformatics & Surveying Technology/ Remote Sensing and Geomatics/ Geoinformatics and Remote Sensing or equivalent or Computer Science and Engineering/ Information Technology/Data Science or equivalent with good knowledge of geospatial technologies

AND



- c. Punjabi upto Matric level. If not, the appointee will have to pass Punjabi upto Matric level within one year.

Desirable:

- a. Good working experience in Geoweb Service/Spatial Decision Support System/Internet of Things/Artificial Intelligence/Deep Learning/Big Data Analytics for Geo-spatial Data
- b. Good knowledge of C++, JAVA & RDBMS for RS & GIS Applications
- c. Knowledge of Web GIS using Geoserver, Mapserver, UML, XML, Open Layers, JQuery and Free/Open source
- d. Working experience in Digital Image Processing /Spatial Modeling/ Hyperspectral/ Microwave/ Satellite Image Processes/Automation

Additional Information:

- a. Work on Automatic feature extraction/recognition and geo-spatial big data analysis
- b. Job Profile may also require frequent field visits
- c. Indicative tools, and skills for AI/ML/ BigData and Geoanalytic Scientist requirement.

AI/ ML / Subject Lines	ML Tools
<ul style="list-style-type: none"> • Programming Languages (Java, R, C, C++, Python) • Linear algebra, Calculus, Statistics (concepts of Matrices, Vectors, and Matrix Multiplication, Naive Bayes, Gaussian Mixture Models, and Hidden Markov Models etc.) • Applied Math and Algorithms (Gradient Descent, Convex Optimization, Lagrange, Quadratic Programming, Partial Differential equation, and Summations.) • Neural Network Architectures <p>In addition to the above skills candidate should equipped with subject knowledge (Remote Sensing & GIS, Geo-analytics)</p>	<ul style="list-style-type: none"> • TensorFlow • Spark and Hadoop • R Programming • Apache Kafka • Weka • MATLAB • Google Cloud ML Engine • Amazon Machine Learning • PytorchJupyter Notebook • IBM Watson

Ne

Scientist SC (Geo Data Analytics, Research and Modelling (AI, ML, IoT, Data Science & Analytics) : One Post

Essential Qualifications :

- a. First Class Bachelor degree in Engineering/Science AND First Class Post Graduate in the relevant subjects

Relevant Subjects: Agronomy/Agricultural Physics/Soil Physics/Soil Science & Agricultural Chemistry/Earth Sciences/Agricultural Meteorology/Environmental Sciences/Environmental Engineering/Soil & Water Engineering/Computer Science Engineering/Electronics and Communication with Good knowledge of Remote Sensing & GIS as evident from thesis and publications/experience

OR

- b. First Class Bachelor degree in Engineering/Science AND First Class Post Graduate Degree in Remote Sensing and GIS/Geoinformatics/GIST or related subjects (Geospatial domain)

AND

- c. Knowledge of Punjabi upto Matric level. If not, the appointee will have to pass Punjabi upto Matric level within one year.

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Desirable Qualification with weightage:

- a) Ph.D with one year relevant experience in Geospatial domain
- b) Two years of relevant experience with five good publications in reputed journals in Geospatial domain
- c) Experience in Modelling of soil-plant systems
- d) Knowledge of hyper spectral/microwave data processing



- e) Knowledge of artificial intelligence/machine learning technique in geospatial domain
- f) Fellowships, Life Membership of learned bodies and award/scholarships by recognized academic or professional bodies

Additional Information:

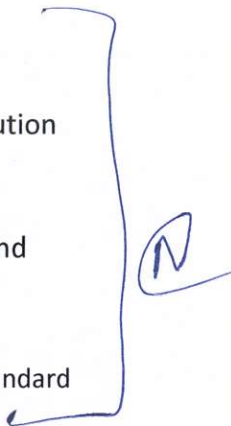
- a. Work on Automatic feature extraction/recognition and geo-spatial big data analysis
- b. Job Profile may also require frequent field visits

CATEGORY-II

Executive General (Multi Tasking) – (One Post):

Essential Qualifications :

- a. Graduation in any discipline with minimum 2nd Division.
AND
- b. One year diploma in computer Applications from a Government recognized institution Or a reputed institution, which is ISO 9001, certified or its equivalent.
AND
- c. One year Experience in the field of Accounts, Govt./Semi Govt./Well established and reputed ISO certified Institution registered as per Govt. rules and regulations
AND
- d. Must have passed Punjabi language examination up to Matric or its equivalent Standard



Programmer (One Post):

Essential Qualifications :

- a. First Class B.E./B.Tech./ MCA/M.Sc. in Information Technology (IT)/Electronics & Communication (EC)/Computer Science (CS)/Computer Science & Engineering (CSE) and experience of at least one (1) year in the field of Information and Communication Technology, Programming, Mobile/Desktop/Web based Application Development and E-Governance.
OR
- b. First Class M.E./ M. Tech. in Information Technology (IT)/Electronics and Communication (EC)/Computer Science (CS)/Computer Science & Engineering (CSE).

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AND

Must have passed Punjabi language examination up to Matric or its equivalent Standard

Desirable Qualifications: Proficiency in programming languages (.Net/ASP/VB/C/C++/C#/Python/Java/Java Script/HTML), Frameworks of Web and Desktop Application Development, RDBMS, Operating System (Linux/Windows), Open-Source Tools, Web Technologies, Knowledge of AI and Machine Learning Techniques, Information and Communication Technologies (ICT), Mobile/Desktop/Web based Application Development and e-Governance. Knowledge of GIS & Remote Sensing will be an added advantage.

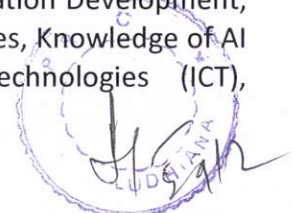
Web Application Developer (Two Posts):

Essential Qualifications :

- a. First Class B.E./B.Tech./MCA/M.Sc. in Information Technology (IT)/Electronics & Communications (EC)/Computer Science (CS)/Computer Science & Engineering (CSE).
AND
- b. Must have passed Punjabi language examination up to Matric or its equivalent Standard

Handwritten initials

Desirable Qualifications: Proficiency in programming languages (.Net/ASP/VB/C/C++/C#/Python/Java/Java Script/HTML), Frameworks of Web and Desktop Application Development, RDBMS, Operating System (Linux/Windows), Open Source Tools, Web Technologies, Knowledge of AI and Machine learning Techniques, Information and Communication Technologies (ICT),



Mobile/Desktop/Web based Application Development and e-Governance. Knowledge of GIS & Remote Sensing will be an added advantage.

Age Relaxation*

1. The Upper age limit may be relaxed up to 42 years for Scheduled Castes and Backward Classes of Punjab.
2. Upper age limit is also relaxed up to 47 years for Persons with Disability of Punjab
3. Ex-servicemen of Punjab Domicile shall be allowed to deduct the period of his service in the Armed Forces of Union from his actual age and if the resultant age does not exceed the maximum age limit prescribed for direct appointment to such a vacancy in the Service Rules concerned by more than three years, he shall be deemed to satisfy the condition regarding age limit.
4. Upper age limit may be relaxed up to 45 years for Punjab Govt. and its Board/Corporation/Commission and Authorities employees as per Punjab Govt. Guidelines.
5. Upper age limit is also relaxed up to 42 years for Widows, Divorcees, and certain other Categories of Women

*Relaxation in age shall be considered only for the candidates who will submit the required certificate issued by the competent authority and acceptable as per Punjab Govt. norms.

Other conditions:

- i) Based on the biodata, screening will be conducted to short-list candidates for interview, written/practical test as may require and applicable.
- ii) If any information furnished is found to be wrong or false, candidature of the candidate will be cancelled at any time as and when it comes to the notice.
- iii) The Centre reserves the right not to fill up the post if it decides so.
- iv) Employment terms and conditions are binding as may be decided by Government of Punjab and Governing Body of the center as and when applicable, notified and implemented

Apply through proper channel if already employed or produce **"No Objection Certificate"** from present employer at the time of interview. However, they can send advance copy with testimonials.

Prescribed application form can be downloaded from PRSC website www.prsc.gov.in. The filled in application forms complete in all respects alongwith certificates testimonials and supporting documents in response to qualifications and experience and non refundable application fee (details mentioned above) by Online or Demand Draft (in favour of Director, Punjab Remote Sensing Centre payable at Ludhiana) must be submitted in the office of Punjab Remote Sensing Centre (PRSC), PAU Campus Ludhiana-141 004 on or before the last date of receipt of applications. In case fee is deposited through online mode, the details of fee deposited (i.e. Receipt/UTR/Acknowledgement Number is be mentioned in Application form and proof of fee deposited is to be attached with application Form. Account Details: Account No. 32430207442, State Bank of India, PAU Ludhiana, IFSC Code: SBIN0001482

Candidates are advised to visit PRSC website for any updates/information or change of interview in special circumstances as may be arising. **PRSC reserve the right to fill or not to fill or increase the above position. In all cases decision of Director, PRSC will be final and binding.**

The duly filled in application alongwith other documents should to reach the office of the Director, PRSC latest by **31st October, 2022** otherwise the application will be rejected. Appointment to these posts shall be governed by the Terms & Conditions at the time of joining. Any kind of postal delays will not be the responsibility of this office. Interview/written test, call letter shall be issued only to short-listed candidates who fulfils the prescribed qualifications, experience etc.

No TA/DA will be paid.

Sd/-
Director

