

COMPUTER SCIENCE DEPARTMENT  
PUNJABI UNIVERSITY, PATIALA  
(ESTABLISHED UNDER PUNJAB ACT NO.35 OF 1961)

No. 0214/SBT/23  
Date... 20.02.2023

**Notice Inviting Quotation**

Dear Sirs,

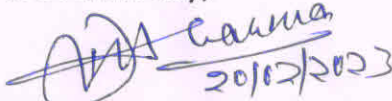
Quotations/bids are invited for the hire of **Fingerprint based Biometric Authentication of candidate by verifying candidate's identity on real-time basis Services** for conducting Written OMR Test of around 8000 candidates on dated 05-03 2023 (tentative) followed by Steno/shorthand test and Counseling of shortlisted candidates. The place of Written Test is at Patiala. The test will be conducted in single shift and timings of written exam will be intimated later on. The important terms and conditions regarding this test are attached herewith.

You are requested to kindly send us your most competitive rates along with acceptance of terms and conditions in a sealed cover super-scribing on envelope "Fingerprint based Biometric Authentication of candidate by verifying candidate's identity on real-time basis Services ". The Quotation should reach this office on or before 27-02-2023 at 11.00 AM. The quotation can also be sent through e-mail on [ssbttestpup2022@gmail.com](mailto:ssbttestpup2022@gmail.com) with password protected format. The passwords will be received on above E-mail on dated 27-02-2023 at 12.00 PM only for maintaining confidentiality of the rates/quotation.

Terms and Conditions:

1. GST should Inclusive in price.
2. Payment will be made after the completion of recruitment process.
3. No provision for traveling charges to reach at the exam centre.

Yours Faithfully,

  
(Dr. Dharamveer Sharma)  
Coordinator

## Important Terms and Conditions

1. Punjabi University Patiala (PUP) will provide centre-wise data (Roll numbers, Photos, Name, Exam date/shift etc.) of all registered candidates to the Bidder. Bidder will then use this data for biometric authentication and shall enable respective mechanism and candidate verification during the subsequent stages of the process.
2. Bidder will have to install QR code scanner & Finger recognition, along with manpower at each & every Examination centre at the time of examination.
3. Solution should have provision of real-time attendance monitoring system through secured web server.
4. Bidder has to maintain the entire database and application server at two different seismic zones within India, making one site as DC (Data centre) and other site as DR (Disaster recovery).
5. QR code / Bar code containing roll number on the Admit card of the candidate should be scanned/read to auto-fetch the candidate details from Application Database (provided by PUP) and in case, QR/Bar code is missing on admit card, then manual entry of roll number with candidate information has to be made. Thereafter, fingerprint recognition by the Hand-held device shall be done at the Security gate before the beginning of examination. All activities should be completed before conclusion of examination.
6. Bidder should deploy de-duplication algorithm across the database to avoid the duplicity of enrollment records.
7. The fingerprint recognition should be performed in a completely stateless transaction of two images (one image provided during the online registration and the other capture on the day of the exam).
8. The Bidder has to perform physical verification of Candidate photo with application database (provided by PUP) at the time of security gate entry.
9. Biometric activity shall not be stopped on any ground and data capturing /identification work must be completed during the stipulated time period of the examination.
10. After the completion of activity as per scope, the Bidder will hand-over the entire captured data in HDD in a sealed manner with super scribing Exam Name along with report and forwarding letter duly signed by the Bidder to the PUP, on the day of examination.
11. The Bidder shall not be allowed to take away any data either in hard copy or soft copy and the work is to be carried out in the designated exam centres.
12. The Bidder must verify identity of the candidates from the captured data taken during the examination at the time of verification process as scheduled by PUP.
13. The Bidder will depute atleast One Hand-held Face recognition device per manpower on every 100 candidates during different Examination stages as & when scheduled by PUP. Additional Hand-held devices should be made available as per normal practice in case of emergency.
14. The Bidder will have to ensure that the all the devices must be functional and has captured Photographs of each and every candidate who have appeared in the examination at each centre.
15. After completion of work, the Bidder has to submit self-attested centre-wise work completion certificate to the PUP.
16. The bidder will be legally bound for confidentiality/privacy of test/candidate's data.

