PUNJAB TECHNICAL UNIVERSITY
(REGISTRAR OFFICE)

Expression of Interest (EoI) are hereby invited from reputed and experienced vendors who can provide RFID based secured and tamper proof certificates with the following specification:

1. Deployment of an end-to-end certificate issuance and verification software solution. The solution should comprise of the software application from enrolment to the verification of the certificate remotely. The solution should be created on CLOUD technology.
2. Solution sould be capable of authentication by incorporating students fingerprint in the embedded chip.
3. Should be able to encrypt the data and secure the data on the embedded chip.
4. Should be able to decrypt the data for verification in a secured manner by exchange of code/keys unique to the university.
5. Should use the PKI/technology to digitally sign the data being stored in the embedded chip.
6. Certificate paper should be synthentic resin paper made of PT (Polythylene Terephthalate), a thermoplastic polyester resin.
7. Certificate paper should be capable of providing visual security by physical engraving to create a "Negative Watermark Image" of the Logo/Photograph of the University/Student.
8. The "Negative Watermark Image" should convert into a positive image when held against any light for easy verification.
9. The engraved image on the special synthetic resin paper should have resistance to salt water, high moisture and chemical.
10. Certificate paper should have a self destroying special coating if tampered with.
11. Certificate paper should be capable of printing some of the standard security features like UV printing, Microprinting, etc.
12. Should provide the option for any kind of attestation on the back side of the certificate.

Qualifying Criteria:

a) Minimum turnover of the vendor should be in atleast INR 01 crore per annum each for the last 3 financial years.
b) Experience and past performance on similar contracts for last 2 years.
c) Capabilities with respect to personnel, equipment and manufacturing facilities.
d) Financial standing through last I.T.C.C., Annual report (balance sheet and Profit & Loss Account) of last 3 years.
e) Vendor should have supplied similar solution to other university in India.
f) Should be a competent authority certified by Government of India for issuance of digital certificates.
g) University may call vendors for presentation.