



भारतीय सूचना प्रौद्योगिकी संस्थान सेनापति, मणिपुर  
INDIAN INSTITUTE OF INFORMATION TECHNOLOGY SENAPATI, MANIPUR  
Mantripukhri, Imphal – 795002, Manipur, India, [www.iiitmanipur.ac.in](http://www.iiitmanipur.ac.in)

INVITATION LETTER

Ref No: IIITM/FPA/2022-23/04

Date: 23-January-2023

Sub: Inviting Quotation for procurement of Hardware & Software- Fingerprint Based Handhold Device for students Attendance at IIIT Manipur

Sir,

1. You are invited to submit your competitive quotation for Hardware & Software- Fingerprint Based Handhold Device for students Attendance at IIIT Manipur with item wise detailed specifications as below.

Sr. No	Item Name/Particulars	Quantity
1	<b>Hardware &amp; software</b> Fingerprint Based Handhold Device with 4 hours Battery back up, Wi-Fi & LAN Communication, 3000 users capacity. Software for 1600 users capacity	4
2	<b>Remote Configuration of Software</b> Configuration of server including mapping of professor, Students, Subject and Time Table	1
3	<b>Site Installation</b> Installation, Configuration, enrolment & Integration with Software	1

(Specification enclosed in Annexure A)

2. **Quotation**

- 2.1 All duties and other levies payable by the supplier under the contract shall be included in the unit Price.
- 2.2 Applicable taxes shall be quoted for all items.
- 2.3 The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- 2.4 The Prices should be quoted in Indian Rupees only.
3. Each bidder shall submit only one quotation.
4. Quotation shall remain valid for a period not less than 60 days after the last date of quotation submission.
5. Evaluation of Quotations: The Purchaser will evaluate and compare the quotations determined to be Substantially responsive i.e. which
  - 5.1 are properly signed; and



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- 5.2 Confirm to the terms and conditions, and specifications.
6. The Quotations would be evaluated for all items together.
7. Award of contract The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the best price and quality.
- 7.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of Contract.
- 7.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be Incorporated in the purchase order.
8. Payment shall be made in Indian Rupees as follows:  
**Satisfactory Delivery & Acceptance - 100% of total cost**
9. All supplied items should be under warranty of 24 months from the date of installation.
10. You are requested to provide your offer latest by **5:00 pm** on **05-February-2023**. Quotations received after the due date will be rejected.
11. Sealed quotation to be submitted/ delivered at the address mentioned below,  
**The Registrar**  
**Indian Institute of Information Technology Senapati, Manipur**  
**Mantripukhri, Imphal – 795002, Manipur, India**

We look forward to receiving your quotation and thank you for your interest in this project.

Registrar (i/c)  
IIIT Manipur





**FORMAT FOR QUOTATION SUBMISSION**  
(In letterhead of the supplier with seal)

To  
The Registrar  
Indian Institute of Information Technology Senapati, Manipur  
Mantripukhri, Imphal – 795002, Manipur, India

SN	Particular of Items	Quantity	Rate	Amount
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
Total				
GST				
Grand Total				

We agree to supply and install the above goods in accordance with the technical specifications for a total Contract price of Rs. ----- (Amount in figures) (Rupees ----- amount in words) within 30 days of issue of purchase order. We confirm that the normal commercial warranty/ guarantee of 12 (Twelve) months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Bidder:

Name:

Phone No. :

Address:

Email:



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**ANNEXURE-A (TECHNICAL SPECIFICATIONS)**

**Minimum Required Specifications**

- I. Device should be Compact Handheld & should have fingerprint and RFID credential support.
- II. Handheld students' attendance biometric devices for marking attendance during each class.
- III. Two and above fingerprint templates per user
- IV. Fingerprint module type - Optical
- V. Fast 1:N and 1:1, fingerprint matching speed of 1000 and above fingerprint templates matches per second
- VI. Unique user capacity of 3000 users
- VII. Should have Ethernet and Wi-Fi facility for communication
- VIII. Colour LED, indication for successful/unsuccessful match and status
- IX. Battery backup for at least 4 hrs. and above and should go to sleep Mode while not in use to save the battery Power.
- X. Should have storage capacity for 100000 events and above
- XI. Should be robust and compact design as it will be taken to many classrooms
- XII. The biometric device should be portable and handheld type and Droop Proof at least from a height of 2 meters.
- XIII. Should have capacity to manage multiple users and events
- XIV. Should be IP based
- XV. Integration with third party software (IIT Manipur )
- XVI. Should have web based facility for device configuration and user enrolment
- XVII. Should have capability for standalone and network operation
- XVIII. Flash memory 512KB and above
- XIX. Operating temperature 1 degree Celsius to 50 degree Celsius
- XX. Should have software for fingerprint enrolment and authentication
- XXI. Fast data transfer from device to server
- XXII. Should have facility for user defined customized report generation with customized fields
- XXIII. Should have facility to backup
- XXIV. Should have fingerprint sensor Equal Error Rate (ERR) less than 0.1%
- XXV. It should not be necessary to keep the biometric device connected to server/network when taking biometric attendance in the classrooms





- XXVI. Should automatically Synchronize biometric attendance data with the server when the biometric device is connected to Campus Area Network
- XXVII. Should have facility to generate different types of daily, weekly, monthly, quarterly, end of semester attendance reports and as required by the Institute
- XXVIII. Should have facility to generate class-wise, section-wise, subject-wise, day wise reports with customized fields and as required by the Institute
- XXIX. Automatic data push from biometric devices to the central server
- XXX. Web based management , real time monitoring and control from one place
- XXXI. Integration using export, import and sharing database tables
- XXXII. Should be flexible and configurable to match needs
- XXXIII. Should automatically synchronize all user registration/fingerprint templates in all the biometric devices
- XXIV. Should have facility for report generation in MS-Excel, RTF, CSV, PDF and other formats
- XXV. Power supply through adapter and battery backup (Min 4 hrs. Built in Battery Backup )
- XXVI. Secure storage of fingerprint templates
- XXVII. Should be Rugged, have less weight and easy to operate
- XXVIII. Automatic synchronization in between all the biometric devices for both fingerprint templates and attendance data for all users.
- XXIX. Accurate and automatic capture and transfer of real time attendance data to the existing MS SQL database
- XL. Verification/attendance capturing is done locally and uploaded to the server automatically
- XLI. Multiple fingerprints registration per person to ensure reliability
- XLII. Scratchproof and impact resistance scanner
- XLIII. Should support multi location, multi department, multi login with different rights
- XLIV. Possible to configure any number of slots for attendance
- XLV. Subject wise attendance report, semester wise, student wise report generation indicating students present in specific class, possible to customize requirements
- XLVI. Handheld biometric device with build-in battery and easy to handle by students, person taking attendance
- XLVII. Fingerprint enrolment using software or through device and automatic copying of fingerprint templates from one device to other device
- XLVIII. Device should support communication in push based Wi-Fi communication
- XLIX. Should be possible to disable keypad of device to avoid misuse in classrooms





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- L. Should support integration with existing ERP System and support for database level and API level integration
- LI. Device should support communication in pull and push based TCP/ IP communication
- LII. The above mentioned are general specifications. During the implementation of the project the supplier should be ready to customize configuration/installation/biometric software as per the Institute's needs.
- LIIL. Details of the operating system, database servers, web application framework that will be used for the biometric attendance software should be clearly mentioned in the 'Technical Bid'.
- LIV. All software mentioned in the bid which are not free software and additional software required to run the system will be bought, installed and maintained by the supplier for the term of the contract. The institute will only provide the server and network connections.
- LV. The biometric attendance system should be installed/configured/customized/implemented by the supplier at the location suggested by the Institute.
- LVI. The entire biometric attendance system will be under guarantee/warranty of the supplier for a period of two years which includes replacement of defective part/maintenance of the biometric system software/devices.
- LVII. Includes installation and configuration of the entire biometric attendance devices/software, student enrolment, customization as per Institute's needs and implementation for student attendance at IIIT Manipur Campus
- LVIII. The successful Tenderer must furnish a warranty for providing free post installation comprehensive onsite support during a warranty period of two years from the date of successful installation, configuration, implementation and commissioning.