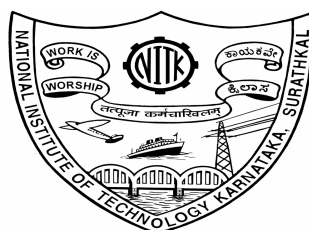


NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA SURATHKAL HOSTELS TRUST®

POST SRINIVASNAGAR, MANGALORE – 575 025 (D K)

Phone: (0824) 2474800
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Mobile: 6364244536
Website: <http://www.nitk.ac.in>



NOTICE INVITING QUOTATION

Notification. No: 1/NITKSH/Attendance System/2023-24/ Supdt.

Date: 05/07/2023

Name of Goods	Attendance System (300 Face Users and user's licenses)
Quantity	3 no's
Estimated Amount:	₹1,60,000/-
Last Date for submission of Quotation	14/07/2023 before 3.00 PM
Bid Opening Date	14/07/2023 at 3.30 PM (if possible)
Contact person	Professor in charge, Hostel Affairs, Phone: +91-824-2474800, Mob: 6364244536 Email: chiefwarden@nitk.edu.in
Address for Submission of Quotation	NITK Hostel Office, First floor, Sahyadri Hostel Block building, Srinivasnagar, Mangalore – 575025.



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Notification. No: 1/NITKSH/Attendance System/2023-24/ Supdt.

Date: 05/07/2023

NOTICE INVITING QUOTATION (NIQ)

Sealed Quotations as per the Price Schedule given in this NIQ are invited for the following items subject to the terms and conditions, from the reputed manufacturers or its authorized dealers so as to reach on or before scheduled date and time. The quotations in the firm's Business letter head should be address to the "Professor In- charge, Hostel Affairs, NITK, Surathkal". The envelope shall be superscribed with the Quotation Notification Number and the Name of the Goods for which quotation is submitted.

Name of Goods	Attendance System (300 Face Users and user's licenses)
Quantity	3 no's
Estimated Amount:	₹1,60,000/-
Last Date for submission of Quotation	14/07/2023 before 3.00 PM
Bid Opening Date	13/07/2023 at 3.30 PM (if possible)
Contact person	Professor in charge, Hostel Affairs, Phone: +91-824-2474800, Mob: 6364244536 Email: chiefwarden@nitk.edu.in
Address for Submission of Quotation	NITK Hostel Office, First floor, Sahyadri Hostel Block building, Srinivasnagar, Mangalore – 575025.

Sd/-

**Professor In- charge
Hostel Affairs**

Note: Institute shall not be responsible for any postal delay about non-receipt /non-delivery of the bids or due to wrong addressee.

SECTION-1
Terms and Conditions

1. The rates should be quoted for preferably FOR destination from supply within India.
2. The bidder shall indicate the excise duty exemption for the goods if applicable.
3. The rate quoted should be on unit basis. Taxes and other charges should be quoted separately, considering exemptions if any. The rate should be quoted in INR only
4. Rate quoted should be inclusive of Testing, commissioning and Installation of equipment and Training.
5. Payment: No advance payment will be made. Payment will be made only after the supply of the item in good and satisfactory condition and receipt of performance security by supplier.
6. Guarantee/Warranty period should be specified for the complete period should be specified in section 3 of this tender document.
7. Period requirement for the supply and installation of item should be specified in section 3 of this tender document.
8. In case of dispute, the matter will be subject to Mangalore Jurisdiction only.
9. The Institute reserves the right to cancel or reduce the quantity included in the schedule of requirements at any time after acceptance of the tender with a notice.
10. In case of any doubt related to Specifications the bidder may visit the institution and examine the sample kept in the Hostel Office with prior intimation.
11. The Lowest bid (L1) will be finalized based on the overall total price. So, bidders need to participate for all the items.
- 12. In case of breakdown, the vendor has to arrange standby machine in warranty/ AMC period.**
- 13. The service center should be in Mangalore or Udupi and the supporting document should be attached.**

SECTION-2
SCHEDULE OF REQUIREMENTS, SPECIFICATIONS AND ALLIED DETAILS

[To be filled up by the Department / Centre of NITK, Surathkal]

Item(s) Name to be Procured	: Attendance System
Brief Specifications of the Item(s) (Attach Additional Sheet if necessary)	: As Per Annexure 'A'
Quantity	: 3 no's
Any other details / requirement	: Nil
Warranty Period required	: Onsite Warranty – 1 Year + 2 Year CAMC (Onsite)
Delivery Schedule expected after placement of Purchase order (in Weeks)	: 1 Week

SECTION 3
PRICE SCHEDULE
[To be used by the bidder for submission of the quotation]

Sl. No.	Particulars	Qty	Amount	Tax	Total
A	Face Recognition Device (One year onsite warranty)				
B	Application (perpetual) Software Platform with Time-Attendance Module				
C	CAMC for 2nd Year (onsite)				
D	CAMC for 3rd Year (onsite)				
E	Total (A + B + C+D = E)				

Place:
Date:

Seal of the Bidder's Firm

SECTION 4
CONTRACT FORM

[To be provided by the bidder in the business letter head]

1. (Name of the Supplier's Firm) hereby abide by the delivery schedule mentioned in this document for supply of the items if the purchase order is awarded.
2. The item will be supplied conforming to the specifications stated in this document without any defect and deviations.
3. Warranty will be given for the period mentioned in this document and service will be rendered to the satisfaction of NITK, Surathkal during this period.

Signature of the Bidder: _____

Name : _____

Business Address : _____

Place :
Date :

Seal of the Bidder's Firm

Detailed Technical Specifications

Bidder has to quote any update/upgrade cost for 300 Face Users and total of 300 numbers of user's licenses from day one.

Sl.No.	Item Description		Compliance (Yes / No)	Deviations if any to be indicated in unambiguous terms
A	Face Recognition Device with Inbuilt Camera			
1	CREDENTIAL SUPPORT	Human Face		
		PIN		
		Card - MIFARE SMART		
		BLE - Mobile		
2	CAPACITY	User Profiles - 50,000		
		Face Templates - 2,00,000		
		Max. Templates Per User - 30		
		Event Logs - 5,00,000		
3	FACE RECOGNITION	Algorithm - Deep Learning based Face Recognition		
		Fake Face Detection		
		Face Identification		
		a) 1:200,000 in < 1 sec		
		b) 1:1 in < 0.5 sec		
		c) 1:200,000 in < 1 sec		
		Face Enrolment		
		a) Enrolment Station		
b) Upload Images				
4	GENERAL SPECIFICATIONS	Dimensions (HxWxD)		
		a) 186mm x 74 mm x 50mm		
		b) (7.3" x 3" x 2")		
		Weight - 650gms (1.433 lbs)		
		Display - 3.5" IPS LCD (Touch Screen)		
		Display Resolution - 480 x 320 Pixel		

		Gorilla Glass 3		
		CPU - Quad Core ARM Cortex-A7 @ 1.5 GHz		
		GPU - Built-in 2 TOPS Neural Network Computing Performance		
		RAM - 2 GB DDR4		
		Flash Memory - 16 GB eMMC16 GB eMMC		
		Flash Memory - 16 GB eMMC		
		SD Card - Built-in 16GB eMMC		
		Tamper Detection		
		Buzzer		
		IR LEDs		
		Ingress Protection - IP65		
		Ingress Protection - IK06		
		Certificate - CE, FCC, BIS, UL, RoHS		
		Operating Temperature (0°C to 50°C)		
		Storage Temperature (-20°C to 60°C)		
		Humidity - 5% to 95 % RH Non-Condensing		
5	CAMERA	RGB Camera - 2MP Surveillance Grade, IR Blocked		
		Infrared Camera - 2MP Surveillance Grade, IR Band Pass		
		Camera Sensors - SONY IMX 307, EXMOR Technology, STARVIS Series		
6	COMMUNICATION	Ethernet - 10/100 Mbps - 1 port		
		PoE - IEEE 802.3 af		
		WiFi - 802.11 b/g/n		
		3G/4G/LTE - Additional USB Modem		
		BLE - 8m Range		
		USB		
		a) USB 2.0		
b) Micro USB-Type B				
7	INTERFACE	Exit Switch Interface		
		External Reader Support		
		External Reader		
		a) Interface		
		· RS232		

		· Wiegand		
		b) Power - 12VDC @ 0.5A		
		c) LED and Buzzer Control - GREEN LED		
		Wiegand - Selectable IN/OUT		
		a) IN: 26 Bit format		
		b) OUT: Configurable		
		Door Lock Relay - 30VDC @ 2A, Dry Contacts NO/NC/COM		
		Door Lock Power		
		a) Internal PoE Power: 12VDC @ 0.250 A		
		b) Internal Adapter Power 12VDC @ 0.5 A		
		c) External Power 12VDC @ 2A		
8	INSTALLATION	Wall Mount - Plastic Back Cover with Screws		
		Flush Mount - Metal Bracket with Screws		
9	ACCESSORIES	Power Adapter - 12VDC @ 2A (CE, FCC, UL, BIS)		
B	Application Software Platform (perpetual)			
1	Provides User License for (*based on customer requirement, please change the value)			
2	Web based user friendly GUI application and real-time monitoring of door controllers from one place			
3	Built on 3-Tier, .NET Platform with MS-SQL and Oracle database, expandable and modular without change in the hardware			
4	Facilitates handling large corporations with multiple remote sites			
5	Supports automatic template distribution of credentials viz. palm vein, fingerprint, and RFID card			
6	Provides head count of number of users in the premises			
7	Provides basic door access feature to users			
8	Provides raw swipe events			
9	Allows configuration of various software modules			
10	Supports upto 65000 door controllers and 1 million users in the network			
11	Provides an administrator's interface to manage-monitor data and the individual application modules			
12	Provides creation of login roles & rights			

13	Provides user photo display on large screen during access		
14	Offers multiple user configuration at a time		
15	Provides a search tool to allow authorized system users to examine the audit log files		
16	Allows the assignment of operator levels to define the system components that each operator has access to view, operate, change or delete		
17	Facilitates the door controllers in network to automatically push the data to server		
18	Offers database browse-search functionality utilities to browse the database tables		
19	Supports Dynamic DNS facility, thus eliminating Static IP requirement		
20	Offers virtual message board facility for posting daily notices, news, announcements		
21	Offers integration through database to database, through API		
22	Allows integration with SAP, ERP, HRM, Payroll, Tally through Web API		
23	Provides integration with different hardwares like door controllers, locks, readers, electronic door controlling devices, etc.		
24	Supports database posting, retrieval, removal, backup and restore options		
25	Supports Active Directory integration		
26	Supports automatic and customized SMS & E-mail notifications		
27	Offers generation of informative reports & charts with various filters, customized report templates; and export reports in Excel, Word, RPT, PDF, CSV and XML etc.		
28	Supports automatic E-mail scheduler facility for different reports		
29	Supports automatic database backup facility at scheduled time		
30	Provides user enrolment management software module with user photograph upload facility, user verification functionality, mass enrolment functionality, user name and ID search functionality, etc.		
C	Time-Attendance Module		
1	Facilitates superlative range of flexible functions such as Multiple Organizations, Late-In, Early-Out Policy, Overtime Policy, Absenteeism Policy, Multiple Holidays, Holiday Schedules, Manual Entry and corrections of Entry-Exit Events and Attendance Summary		
2	Allows to create multiple branches, department, sections, designations, grades and categories		
3	Offers the leave management module covering different leave type creation, organization-wise leaves, leave request and approvals, leave balance management, leave accumulation and carry forward option and leave encashment option for organized leave management		
4	Sends SMS / Email alerts for various pre-defined events such as User Events, Leave Application, Leave Approval/Rejection, Monthly Attendance, and Missing In/Out Punch to multiple users automatically on the		

	occurrence of any such events		
5	Offers integration through API, database to database, and customized export template		
6	Allows seamless integration with third party Payroll, HRM, Tally, SAP, ERP, Active Directory, etc.		
7	Allows creating 150+ time-attendance, leave, and shifts related reports and colorful charts using various filters and formats, also offers customized reports		
8	Offers generation of various statutory reports		
9	Offers an option to assign a new shift automatically based on user's punch details		
10	Manages unlimited shifts and 999 schedules		
11	Manages continuous shifts as well as overnight shifts		
12	Interprets User punches for entry or exit depending on attendance policy configuration		
13	Monitors late-in entry and early-out exit of employees based on their shift timings		
14	Allows calculating overtime on a daily, weekly, or monthly basis		
15	Facilitates converting overtime hours to compensatory off hours and offer additional leave or encashment options		
16	Allows creating multiple shifts and schedules with break time, grace time, off day, repeat days, etc. to manage workforce of organization		
17	Allows creating 30 holiday schedule groups with 32 holidays in each group		
18	Facilitates corrections and manual entries of entry-exit events like attendance records, overtime/C-OFF hours, late-in/early-out timings, etc.		
19	Send customized SMS and email messages to announce gatherings, meetings, latest news, changed rules, etc.		
20	Offers User-wise and Period-wise options with Late-In, Early-Out, Overtime, C-OFF and Absenteeism Policies		
21	Generates past adjustment data automatically and includes it into current month's salary calculations		
22	Offers generation of attendance summary that includes various employee data like attendance, leaves, weekly off and holidays organization-wise, department-wise and user defined period-wise		
23	Offers creating up to two levels of authorization for leaves and tour approval		
24	Facilitates defining common rules and parameters like number of duplicate punches allowed, auto shift correction, maximum late-in/early-out allowed time, password security, etc. as templates that can be applied globally to all users		
D	Face Enrollment Module		
1	Face Enrollment from Enrollment station		

2	Maximum 30 face templates per can be enrolled		
3	Auto face enrollment from Enrollment Station		
4	Multiple Access mode with FR Solutions		
5	Device based / Server Based Solution		
6	Face Anti-Spoofing		
7	Adaptive Face Enrollment		