ANNEXURE-A

S. No.	Features	Description	Compliance Yes/No	Remarks
1	Face capacity	5000 faces or more		
2	Fingerprint capacity	10000 fingerprints or more		
3	Palm Capacity	3000 palm or more		
4	Communication	inbuilt WiFi, LAN, USB connectivity		
5	Biometric FRR	<=1% or better		
6	Identification Speed	<=1 Sec or better		
7	Biometric FAR	<=0.01% or better		
8	Power backup	Battery backup (Inbuilt)		
9	Display Type	5 inch touch display		
10	Card Capacity	3000 or More		
11	Card type	proximity, Mifare (optional)		
12	Attendance	Attendance: Work Code, day light saving.		
13	Security Alarm	Security Alarm : Tamper Alram		
14		Camera : Dual Sensor High Resolution Infrared Camera.		
15	Integration	Integration: Biometric machine will be integrated with the University Management System (UMS) based on Microsoft Dynamics Business Central. The supplier of the Bio-metric machine have to necessarily provide software/API for these machines to integrate with the UMS for purpose of Data Input and further processing in the UMS. Without this the bid shall be summarily rejected		
16	Certification	Necessary LUX Certificate to be submitted.		

17	Operating Temperature	0°C-45°C or better		
1	Working humidity	15% - 85%RH or better		
18	Datasheet	Data sheet need to be provide		
19	Lighting	Upto 10000 Lux, **Necessary LUX Certificate to be submitted.**		
20	Certification	**CE FCC and BIS**		
21	Push data	Data should be pushed in XML and CSV format on internet/intranet		
22	Camera	Dual Sensor High Resolution infrared Camera		
23	Verification speed	Less than one second or better		
24	Keyboard	touch display		
	Software	**Description**		
	Software	Necessary Web based MIS Software to be supplied by the vendor as per the following specification.		
1		Deployment of 'Time attendance System' for all the staff and students in order to maintain the time attendance records and necessary biometric Face Device need to be installed. All the face Punches wil be used for monitoring the entry and exit time recoreds fo every employees & students. The time attendance report will be generated at central server.		
2		**Time Attendance reports should generate following reports (with Print out Option)**		
i		Dept/Section (Daily/Monthly/Date Range): Should generate individual. Department-wise report of employee's & student's time and attendance details.		
ii		Exception (Daily/Monthly/Date Range and Department wise/ Employee wise) should generate and present exception report, to view exceptional logs.		
iii		Master ((Daily/Monthly/Date Range and Department wise/ Employee wise/student wise) should generate and present master report to view master of all		
iv		Arrival ((Daily/Monthly/Date Range and Department wise/ Employee wise/student wise) should generate and present report which will be used to see arrival time.		
v		Late Arrival (Daily/Monthly/Date Range and Department wise/ Employee wise/student wise) should generate and present report which will show detail of employee		
vi		Early Departure ((Daily/Monthly/Date Range and Department wise/ Employee wise/student wise) should generate and present report that will show detail of persons		

vii		Overtime(Daily/Monthly/Date Range and Department wise/ Employee wise/student wise) should generate overtime report which will be used to see overtime of employees.		
viii		Absent ((Daily/Monthly/Date Range and Department wise/ Employee wise/student) should generate report.		
ix		should genrate and present details of employee/students who regularly come late.		
x		Continous early departure should genrate and present details of employee/students who regularly go early.		
xi		Continous absent should genrate and present details of employee/students who regularly absent.		
xii		4 Punches in a Day for all employees, IN, Lunch Out, Lunch IN and Out		
3		**Mode of working**		
i		All face devices should be able to work in network mode. In Network mode the device should be online with server on real time basis. It should be possible to		
ii		Exporting Templates: All devices should have ability to upload/export Face template to specified attendance Terminals through LAN and self. Pragrammable facility to		
iii		Authentication Type: The system should support various authentication media to configure by different security methods		
4		**Time Management Monitoring Software Features:**		
i		That should be designed to work for multiple readers connected on LAN.		
ii		All report should be available for viewing for officials.		
iii		Employee registration should be by Master creation and through Registered Face only.		
iv		It should be possible to mark all working days and holidays, in advance.		
v		Any number of departments should be possible to be created		
vi		Reports should be available with department-wise, category (Job Title) wise, student wise, also individual records in periodic, detailed and summary formats		
vii		The report system should be available with an intelligent active log analyzer.		
viii		The system should be complete ONLINE system with immediate automatic updates.		

ix		Transaction from each device should be available with, date, time, machine/ location number, etc.		
x		Printing of employee/ student details & reports should be possible.		
xi		At a glance summary reports such as IN/OUT summary for whole month or period of each employee/Student should be available on the Dashboard of the software,		
xii		Department, Type, Designation, skill wise Head Count of the present and and absent Employees.		
6		**EMPLOYEE SELF SERVICES:**		
		Required Features:		
8		**Employee Self Services features as Admin/ Super user:-**		
a		Shift Reallocation		
b		Manual Attendance		
c		Password Changing		
d		Standard Report Generation (Daily and Monthly) based on Parameters		
e		Graphical Report with Details		
f		Auto emailing of scheduled reports (E-report) to Admin/Super users (HOD's) at specific Time of Day on Daily, week End or Month End Basis.		
		MOBILE APPLICATION OPTION		
		Android Based Mobile Apps should be available.		
		Online Attendance with Gio Location. (On Demand)		
		Online Users Enrolment.		
		Online approval of Transaction through Mobile		
		Online Attendance Report Viewing in Mobile		
	Approved Make	**Matrics, Fortuna, Virdhi, HikVision,BioMax, Duaha, Panasonic**		

S. No.	Particulars	Unit	Qty.	Unit Price	Total Price
1	**Biometric Attendance machine:** -Face/Palm/ Card/ Pin , TCP/IP USB. Max Users : 10000 / Palm Capacity: 3000/ Card Capacity : 10000 , Log capacity 1,70,000-2,00,000 logs , display 5" TFT screen/ Multiple authentication modes like face,Palm & card/ Mini UPS for backup,	NOS	15		
2	Metal Enclosure for safety	Nos	15		
3	Installation & Configuration	Job	15		
	Amount				
	Taxes @				
	Total Amount				