

## TECHNICAL SPECIFICATION

### **Biometric Hand Geometry Time & Attendance System**

Item No.	Name of Goods, Technical Description, Specifications, and Standards	Accounting Unit / Packing	Required Quantity
1	<p><b>Biometric Hand Geometry Time &amp; Attendance terminal with the following specification for various departments of DUHS</b></p> <ul style="list-style-type: none"> <li>• Hand Geometry reader with durable and highly accurate optical within a 1-second employee recognition</li> <li>• Capacity to store up to 32000 templates</li> <li>• Supports more than +50 time zones,</li> <li>• Request-to-exit and alarm contacts</li> <li>• Operates stand-alone without a computer</li> <li>• TCP/IP, serial and Wiegand interfaces</li> <li>• Real time 1 -touch data export to 3rd party hosted &amp; non-hosted applications</li> <li>• Audio-visual indications for acceptance &amp; rejection of valid and invalid Transaction</li> </ul>	Unit	50
2	<p><b>Time and Attendance Software with the following specification</b></p> <ul style="list-style-type: none"> <li>• Company/Department/Designation/Creation/<b>Class</b></li> <li>• To support Multiple Time Attendance Devices (Hand Geometry/RFID/Finger Print etc.)</li> <li>• Holiday assignment and Calculation.</li> <li>• Attendance views.</li> <li>• Annual leave assignment and calculation.</li> <li>• Manual attendance entry option with Audit Trail.</li> <li>• Access control feature with scheduler and movement report.</li> <li>• Grace period for work Start /End times.</li> <li>• User defined leave types.</li> <li>• <b>Employees and Students</b> Attendance data re-processing.</li> <li>• Automated Late-in/Early-Out calculations.</li> <li>• Leave Entitlement and Balance.</li> <li>• Complex and rotating shifts.</li> <li>• Overlapping shifts.</li> <li>• Customizable attendance Report.</li> <li>• Daily, Monthly and yearly detail and summary reports.</li> <li>• Automatic downloading of Data feature.</li> <li>• History of edited data by the user.</li> <li>• Color coded report in case of editing.</li> <li>• It should be a server client application with required tire technology.</li> <li>• Should support multiple databases.</li> </ul>	Job	1 Server + 50 Clients

	<ul style="list-style-type: none"> <li>• User creation with roles and permission.</li> <li>• Reporting by E mail to the authorized personnel.</li> <li>• Centralized database system.</li> <li>• <b>Integration</b> capability to integrate with Payroll, <b>Oracle's PeopleSoft</b> CMS and HR software as a future option.</li> <li>• Eliminated errors associated with the manual collection and calculation of paper timesheets or cards.</li> <li>• Reduced payroll preparation time.</li> <li>• Eliminated redundant data entry.</li> <li>• Improved payroll accuracy.</li> <li>• Reduced attendance-related questions and grievances.</li> <li>• Recouped cost of employee overpayments.</li> <li>• Decreased supervisor involvement in tedious timecard review and manual editing.</li> <li>• Auto triggered emails for late and absent employees.</li> <li>• Easier timekeeping for you and your employees</li> <li>• Fewer questions to the payroll department because of online time card information.</li> <li>• Increased time for core business activities.</li> <li>• Accurate and automatic calculation of hours.</li> <li>• This System Support Flexible timing. Specially support the Hospital Environment where Medical Staff duty timing prolongs to 36 hours to 72 hours in case of emergency.</li> <li>• Shifts/<b>Time table</b> roaster mechanism allows multi shifts/<b>time table</b> for single Employee/<b>students</b>.</li> <li>• Software should be centrally managing Employee templates.</li> <li>• Templates can export and import from one machine to another.</li> </ul>			
3	<p><b>Installation, testing and commissioning of software and hardware</b></p> <ul style="list-style-type: none"> <li>• Single fiber casing to accommodate bio metric device and UPS.</li> <li>• UPS for hand geometry bio-metric device with min 2 hours backup or more. (preferably dual battery)</li> <li>• Electric power and Ethernet connectivity will be provided by DUHS.</li> <li>• One year complete support and warranty for all equipment, starting after complete installation of all devices.</li> <li>• Training for proper handling, registering and managing hardware device as well as provided software.</li> </ul>			