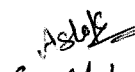**Justification:**

- Managed Cloud Services are required for online applications of University like Examination/Account/Digilocker APIs, Admission cum counselling software.
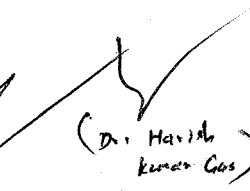
Specifications:

Type 1 Server:

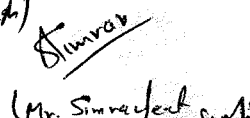| Item Name	Requirement
Service Type	Managed Cloud Services (Subscription Based)
CPU	8 Core (Latest Intel Xeon E5 Processor with speed 2.5.GHz or above)
RAM	32 GB – on demand extendible upto 64 GB
Storage HDD	512 GB – on demand extendible upto 1 TB
Storage SSD	512 GB
Static IP Address	Multiple (upto 5 as per need)
Bandwidth	100 Mbps dedicated for server
Operating System	Windows server 2016 or higher
Database Server	Microsoft SQL Server (2016 or higher) Standard Edition(2016 or higher) , MySQL 5.5 or higher
Application Framework	Support for .Net 4.0 and higher versions Support for PHP 7.0 or higher
Internet Information Server	Required
FTP Service Enabled	Required
Secure Remote Access	Required
Concurrent Login Session	Multiple (up to 5 as per need)
Firewall	Required
SSL	Required
Antivirus / Anti-Spam /Antimalware	Required
Custom Fonts installation	Required
Detailed Access to Statistics of server using reporting platform	Required
Real time monitoring of performance parameters (Bandwidth, hardware, utilization, concurrent connections etc.)	Required
Bulk Upload and download	Required (for Text, excel reports and PDF documents.)
Server Uptime	99.9 % or more
Dedicated Support	24 x 7 dedicated technical support
Backup Tool	Yes
Full Root Access and Administrative privileges	YES

(Dr. Bhupinder Singh)

(Er. Rahul Garg)

(Er Ashok kumar)

(Er. Gurtej Singh)

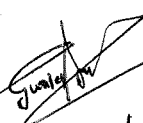(Dr. Harish kumar Goel)
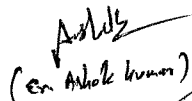
(Mr. Simranjeet

Type 2 Server:

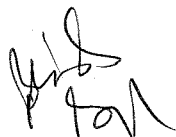| Item Name	Requirement
Service Type	Managed Cloud Services (Subscription Based)
CPU	4 Core (Latest Intel Xeon E5 Processor with speed 2.5.GHz or above)
RAM	16 GB – on demand extendible upto32 GB
Storage	300GB – On demand extendible upto700 GB
Storage Type	HDD
Static IP Address	Multiple (upto 5 as per need)
Bandwidth	100 Mbps dedicated for server
Operating System	Windows server 2016 or higher
Database Server	Microsoft SQL Server (2016 or higher) Standard Edition(2016 or higher) , MySQL 5.5 or higher
Application Framework	Support for .Net 4.0 and higher versions Support for PHP 7.0 or higher
Internet Information Server	Required
FTP Service Enabled	Required
Secure Remote Access	Required
Concurrent Login Session	Multiple (up to 5 as per need)
Firewall	Required
SSL	Required
Antivirus / Anti-Spam /Anti malware	Required
Custom Fonts installation	Required
Detailed Access to Statistics of server using reporting platform	Required
Real time monitoring of performance parameters (Bandwidth, hardware, utilization, concurrent connections etc.)	Required
Bulk Upload and download	Required (for Text, excel reports and PDF documents.)
Server Uptime	99.9 % or more
Dedicated Support	24 x 7 dedicated technical support
Backup Tool	Required
Full Root Access and Administrative privileges	Required

(Dr. Bhupinder Singh)

(Er. Rahul Garg)

(Er. Ashok Kumar)
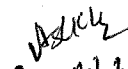
(Er. Gurtej Singh)

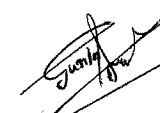(Dr. Hanish Kumar Garg)

(Mr. Simardeet Singh)

Terms and Conditions:

1. Managed virtual cloud services (subscription based) must be provided.
2. Rate contract period will be for minimum 3 years (extendible up to 5 years.)
3. Rates for both Type 1 Server and Type 2 server must be provided.
4. Services should be provided by suppliers having Tier 3 / Tier 4 data centers located in India only. VM and Storage should physically reside within India. (Certificate for data center to be provided to support the Tier 3/ Tier 4 compliance.)
5. Subscription period will be for 1 year from the date of successful delivery of cloud services.
6. A separate subscription with OEM has to be created and handed over to university.
7. Rates for subsequent 2 years should not exceed the rates given for first year.
8. Purchase Order (PO) for each server will be given on demand. (As and when required, throughout the year.) Billing will start from the date of start of server for the duration as mentioned in PO.
9. Discounts for academic institutions, if any should be provided as applicable.
10. Discounts for reserved instances for 1 year or more should be provided as applicable.
11. Specification subjects to change based on the actual performance / application load at the time of purchase.
12. Purchase committee reserves the right to relax the technical criteria, quantity as per requirement at the time of evaluation and purchase.

(Dr Bhupinder Singh)

(Er. Rahul Garg)

(Er. Ashok Kumar)

(Er. Gurtej Singh)

(Mr Simranjeet Singh)

(Dr Harish Kumar)