



Visvesvaraya Technological University
"Jnana Sangama", Belagavi - 590 018, Karnataka State, INDIA

Dr.H.N. Jagannatha Reddy, B.E., M.E., Ph.D.

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Ref. No.: VTU/PS /2016-17/ 910

Date: 27 OCT 2016

CIRCULAR

Sub: Requirement of online QPDS at colleges - reg.
Ref: VTU/PS/2016-17/890, dated 21st October 2016.

In continuation to the above, **the principals of affiliated Engineering Colleges are requested to note the following:**

- **The infrastructure facilities which are listed in the above referred circular are to be procured by the college and kept ready for inspection before 10th November 2016.**
- With a view to have common QPDS infrastructure and common Question Paper print/output at the colleges, the minimum recommended Specifications for each of the infrastructure was circulated along with the above referred circular. However, **University does not insist/endorse any specific brand for any infrastructure including PRINTER.**

The college shall **procure the Printers and other infrastructure and the specification of the same should not be lesser than the minimum recommended specification** already circulated.

- Remaining instructions issued in the above referred circular are to be followed without fail.



Sd/-
REGISTRAR

To,

1. **The Principals of Constituent and affiliated Engineering colleges**
2. **The Director of Technical Education, Tantrik Shikshan Bhavan, Palace Road, Bangalore 560 001.**

Copy FWC's to:

1. Hon'ble Vice-Chancellor through the Sec. To VC, VTU Belgaum, for information.
2. The Registrar (Evaluation), VTU Belgaum, for information and needful.
3. The Chairman Governing Council of all affiliated Engineering Colleges to ensure the procurement of infrastructure by their colleges.
4. The Special Officers of VTU Regional Offices, for information & needful.


REGISTRAR




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Sub: Requirements of Online QPDS at Colleges – reg.

Visvesvaraya Technological University is implementing ICT initiatives introduced by Department of Higher Education, Government of Karnataka. The ICT Initiatives includes all pre-examination, examination and post examination activities. With the introduction of the above, **examination related activities which were outsourced till date will be managed by the University with the cooperation and active participation of its constituent and affiliated colleges.**

In order to implement the above, the principals of affiliated Engineering Colleges are requested to ensure that the following infrastructure is ready at their respective colleges on or before 10th November 2016 for the smooth functioning of online Question Paper Delivery System in respect of forthcoming examinations of Dec. 2016 / Jan 2017 and onwards:

1. Desktop Computer – 2.
2. Lexmark Printer– 2 to 3 with at least two additional cartridges for each printer.
3. UPS – 3/5 KVA (as per the detailed specification).
4. Network Switch.
5. Network Video Recorder.
6. 4 Mbps 1:1 internet leased line.
7. Alternative Internet facility with the help of Dongle with minimum of 512 Kbps speed and 1 GB download capacity.
8. Required number of white A4 size Papers with 75 GSM thickness for Question Paper Printing.

Detailed Specifications of the above Infrastructure is enclosed for your ready reference. Kindly share the Public IP address, Processor and MAC ids of computers with the office of the Registrar (Evaluation).

Further, the Principals of affiliated colleges shall identify a Professor to undertake the responsibility with respect to the management of QPDS activity with the help of a System Administrator and share the Mobile and landline numbers, alternative contact numbers, email Ids and Photo ids of both Professor and System Administrator with the office of the Registrar (Evaluation) immediately.

Kindly submit the report of readiness in respect of infrastructure and human resources as stated above on or before 10th November 2016, along with relevant documents to the office of the undersigned for the purpose of inspection.

Sd/-

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To, The Principals of affiliated Engineering colleges

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1. Hon'ble Vice-Chancellor through the Sec. To VC, VTU Belgaum, for information.
2. The Registrar (Evaluation), VTU Belgaum, for information and needful.
3. The Special Officers of VTU Regional Offices, for information & needful.


20/10/16
REGISTRAR

Technical Specifications for setting up of VTU Question Paper Printing Facility at Affiliated/Constituent Colleges and PG Centre's

1. VTU QP Printing Facility Room: 10' x 12' with single door and window should have grill/mesh.

Sl.No.	Component Name	Recommended Minimum Specification	Recommended Quantity for Student intake for First Year: < 500	Recommended Quantity for Student intake for First Year: >500	Remarks
01	PRINTER	<p>Make: Lexmark Model: Lexmark MS 711 dn Display: 2.4- inch (6 cm) color LCD display Print speed: 55 ppm Memory/Processor: 512 MB /Dual core, 800 MHz. Paper Handling: Integrated Duplex, Standard ports: Front USB 2.0 Specification Hi-speed certified port (Type A) Gigabit Ethernet (10/100/1000)</p>	02 Printers + 02 additional cartridges	03 Printers + 03 additional Cartridges	The Printers should be in working condition and under maintenance contract.
02	UPS	03 KVA / 05 KVA capacity – 01 hour backup, with captive power generation backup of 5KVA.	03 KVA -01	05 KVA-01	UPS should be in working condition and under maintenance contract
03	Computer Systems-02	<ul style="list-style-type: none"> • Intel i7-3 core processor • 08 GB RAM • 500GB HDD • 17" Monitor • Keyboard and Mouse • With Windows 7 operating system along with the following application installed <ul style="list-style-type: none"> a. Win RAR b. Adobe Acrobat Reader / PDF Reader 	02	02	The Computers should be in working condition and under maintenance contract

04	16 Port Switch	/L2 Switch	i	01	Switch should be in working condition and under maintenance contract
05	NVR- (Network Video Recorder)	<p>Processor: High performance dual core processor Video Input: 08 Channels Video Output: 1 HDMI (Video & Audio), 1VGA Compatible Protocol: Compliant to ONVIF Profile Resolutions: 1920x1080, 1280x1024, 1280x720, 1024x768 Video Standard: PAL Video Recording: Up to 100/120fps @ 720P Up to 50/60fps @ 1080P Image Quality: CBR, VBR level 6 Audio Input: The audio input with video. Power Input: 220-240 V AC, 50 Hz Recording Mode: Manual, continuous, video alarm trigger (Motion detection, Video loss and blank) and alarm trigger. Search Mode: Date/Time, Event (Alarm, Motion detection), Exact search (accurate to second), Log link Playback: 1/4/8 Channel simultaneously playback (forward / reverse, fast playback, slow playback, freeze, next file, previous file, next camera, previous camera, full screen, repeat, shuffle, backup selection) Protocol Support: HTTP, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, IP Search Backup: Flash drive, USB HDD, USB CD or DVD-RW, eSATA, Network download Network Interface: 1 RJ-45 port (10/100M/1000M) USB Interface: 3 ports Hard Disk: 500GB Packages: HD-NVR-108 / HD-NVR-116 USB Mouse Network Cable</p>	01	01	<p>NVR should be in working condition and under maintenance contract. Further accessories for implementation of video recording of all the activities at VTU Question Paper Printing facility need to be procured and installed.</p>

		SATA Connection Cable Power Cord Remote Controller			
		IP Based Camera Resolution: 640x480 Image sensor: 1/4" Progressive scan RGB CCD	01	01	To be interface to NVR
06	Internet Facility	1. 4 Mbps Leased line 1:1 internet connection. & 2. Working Dongle with 512 kbps speed with valid subscription of 1GB for the period of exams.	01	01	Internet connection should be in working condition and under maintenance contract.
07	Paper	75 GSM A4 size white color	As per the requirement	As per the requirement	

Note: Each college needs to share the following, 15 days before the start of exams.

1. **Technical details.**
 - a. Processor ID of two computers.
 - b. MAC ID of two computer machines.
 - c. Public IP Address
2. **Manpower details such as Name, Cell Number & Email ID of the following personnel.**
 - a. In Charge Professor – 01(VTU QP Printing Section)
 - b. System Analyst – 01


 20/10/16
REGISTRAR