Dr.B.R.Ambedkar Open University - Software Modules Development & LAN implementation -Reg

From : vasanthraodasandla@gmail.com   Thu, Sep 01, 2022 01:48 PM

Subject : Dr.B.R.Ambedkar Open University - Software   📎 1 attachment
Modules Development & LAN implementation -Reg

To : R ADITYA KANTH <pe1-eoff-
itc@telangana.gov.in>, Sudheer Kumar Jindam
<sudheer.jindam@semt.gov.in>

Cc : VICE-CHANCELLOR Dr.B.R.AMBEDKAR OPEN
UNIVERSITY <vc@braou.ac.in>, REGISTRAR
Dr.B.R.AMBEDKAR OPEN UNIVERSITY
<registrar@braou.ac.in>, DIRECTOR MATERIAL
PRODUCTION BRANCH Dr.B.R.AMBEDKAR OPEN
UNIVERSITY <directormp@braou.ac.in>, D
VASANTH RAO BRAOU <vasanth@braou.ac.in>,
ghantac@gmail.com

Dear Sir,

As per our discussion with the honourable Vice-Chancellor BRAOU, Director CSTD
BRAOU, Registrar BRAOU, Director Material Production BRAOU, Sri Sudheer Kumar
Senior Consultant ITE&C department Govt of Telangana and Sri Aditya Kumar R
Project Manager, ITE&C Department Govt of Telangana at Dr.B.R.Ambedkar Open
University Campus on 30-08-2022, I am herewith forwarding Campus LAN
implementation proposal for your reference and further necessary action please.

Further, the University is require the following software modules and Cloud space in
SDC .
1) Allocation of Cloud Storage space 10 TB in the State Data Center along with
sufficient bandwidth to the University to host & manage the below modules

2) Preparation & hosting of Web Portal and Mobile App for Competitive Study Material
hosting . The portal and APP should support Text, Audio,Video,interactive, Student
performance analytics
3) HRMS , Leave management Modules
4) Finance Management modules (Salary preparation, budget preparation, Bills
management, Study Centers bills management)
5) Student Service modules (Admissions , Exam registration, Fee collection, Certificate
preparation and printing, Digital Locker, etc)
6) Study Center Management module (Study Center Staff, Salaris, bills, etc)
7) LMS (Learner Management System)
8) Library Digitization
9) Call Center establishment
10) Document /Files Digitization

Please arrange for demo for above modules

Dr.BRAOU - University - Infra requirement - Reg

From : K Rajendran <jtdir_infra_itc@telangana.gov.in>   Mon, Dec 12, 2022 01:58 PM

Subject : Dr.BRAOU - University - Infra requirement - Reg

To : PMSDC TSDC <pm.sdc@telangana.gov.in>, TSDC
SMG Team <smg.sdc@telangana.gov.in>, D
VASANTH RAO BRAOU <vasanth@braou.ac.in>

Cc : D VASANTH RAO BRAOU <vasanth@braou.ac.in>,
vasanthraodasandla@gmail.com

Dear Manas,
It is to inform that Dr.BRAOU requesting ITE&C department

i. To provide 10 TB cloud Storage in SDC/Cloud to host proposed Open Education
Resource Portal.
ii. To provide support for network bandwidth for SDC/Cloud storage to maintain
proposed open education resource portal
iii. Requested to facilitate web portal and mobile application to maintain study material
for competitive examination . The proposed application will be platform to integrate
any kind of educational resources for competitive exams. This should support for
Web and Mobiles based applications

In this regard, it is requested to call for the team meet with Dr. BRAOU officials, SI & Other
Team member to support Point i & ii with in the scope of SDC on Infra part.

Thanks & Regards

K.Rajendran
Joint Director (Infra & Comm)
ITE&C Department,
BRKR Bhavan, 2nd Floor, D-Block,
Telangana Secretariat,
Hyderabad-500022
Telangana, India.
Ph:+91 40 23450043
jtdir_infra_itc@telangana.gov.in

Requestor details

Requester's Name :	*Registrar*
Requester's Email :	*registrar@braou.ac.in*
Requester's Phone Number :	*04-23680211, 9866355155*
Department Name :	*Dr. B. R. Ambedkar Open University*

Server specifications

Server Type (Application / Database / Web / File / Print):	*Application, Mysql, postgel, Apache Wordpress*
Deployment type (Production/Dev/Test):	*production*
Server Host Name:	
Domain Name:	*braou.ac.in*
Operating System (Windows Server 2012/2016/2019 or RHEL/Ubuntu/Cent OS):	*Windows and Ubuntu*
OS License Key:	
No. of CPU Cores:	*4 core + 4 core*
RAM Size (GB):	*8GB + 8GB (16 GB)*
Disk Space Required in GB:	*7 TB + 3 TB*
Server Provisioning Date:	
Server End Date:	
Load Balancer Requirement (Yes / No):	*Yes*
Server Backup Requirement:	*Yes*
Other Requirements (like SSL Certificate / VAPT Certificate):	*SSL, Firewall, Vancince*
Any Special Instructions or requests for server monitoring (Critical/Non-Critical)	*Critical Antivirus Patches*

NOTE: For load balancer requirement, please provide the following details:

1. Load Balancer Type (New VM / NSX Load Balancer):
2. Server details that need to be configured for load balancing:
3. Estimated maximum no. of concurrent hits:
4. Purpose of application:
5. Application / DB / Web servers for which load balancer need to be configured:
6. Traffic flow diagram:

21 cc
06/01/2023

Head of the department
Dr. B. R. AMBEDKAR OPEN UNIVERSITY
JUBILEE Signature & Stamp
HYDERABAD-500 033.

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Authorization Letter to be submitted (On official letter Head in the name of Signing Authority only)

To:
The Principal Secretary, ITE&C,
State Data Centre, 1st Floor, TSIIC Center,
Opp. to CA, Q City Road, Wipro Circle,
Financial District,
Gachibowli, Hyderabad-500032.

Kind Attention: Joint Director (Infra & Communication)
Subject: "Inbound Access to URL<*domainname.telangana.gov.in*>"

S No	Details	Information
1	Name of the authorisedperson	REGISTRAR
2	Designation	REGISTRAR
3	Department Name	Dr.B.R.Ambedkar Open University
4	Project Name hosted in SDC	Elearning, Digital Library(IR.OER), Competitive Materials
5	Official Email ID	registrar@braou.ac.in (Technical Officer : vasanth@braou.ac.in)
6	Mobile Number	9866355155 (Technical Office 9010660901)
7	Office address/Location	Prof G Ram Reddy Marg, Road No:46, Jubilee Hills, Hyderabad
8	Office Landline number	040-23680211

OUTSIDE TO INSIDE (Inbound Access)								
Firewall Policy from Source (Outside/any) to Destination (SDC Server/Application-Inside)								
Department Name	Project Name	From Source IP (outside/external)	To Destination IP/URL	Port Number (TCP/UDP)	Duration (Date)		Purpose of Access	Remarks
					From	To		
Dr.B.R.Ambedkar Open University	Elearning, Digital Library(IR.OER), Competative Materials	Any	Any	80,443, 21,22,8983,8984	24-01-2023	24-01-2024	Education resources	

How many times have been asked URL access without Security Audit Certificate?			
URL	From (Date)	To (Date)	Comment

SSL/TLS certificate validity of the URL			
URL	From (Date)	To (Date)	Comment

25/01/2023

VASANTH RAO. D
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D_ _Amb__ _n University

REGISTRAR
Dr. B. R. AMBEDKAR OPEN UNIVERSITY
JUBILEE HILLS, HYDERABAD-500 033.

		One Year 24-01-2023	24-01-2024	

Terms&Conditionsfor SDC Public Facing ServerAccess:

Departmentneeds to provide the following confirmation and accept the risk when they request to allow access of SDC server/application from external network without Security Audit Certificate. Department needs to take Head of the Department(HOD)approval along with signature and stamp in this form and submit the scanned copy.

S. No.	Particulars	DepartmentResponse/Remarks
1	What is the purpose of access the application/server from outside/external network?	Elearning, Digital Library(IR.OER), Competitive Materials
2	If inbound access of the URL is already expired, SDC will extend access for 7 days initially. Department needs to submit request form with HOD sign and stamp for further period extension.	Yes
3	Once SDC receives request form with HOD sign and stamp, SDC will allow access for a period of one month including initial 7 days as per SDC policy.	Yes
4	Commercial SSL/TLS certificate with TLS1.2 or higher should be procured by user department and to be installed in web application server before exposed/accessed to public network. The user department head would be the signing authority for the SSL/TLS Certificate procurement process. **Note:** If any website found running without SSL certificate, the application owner would be responsible for any security breach of the applications. TSDC and ITE&C department will not be liable for any loss or damage occurred due to such instances.	Yes

5	SDC is providing access initially for one month on risk basis to give time that department should be able to complete the Security Audit of the application during the period.
	Note:
	Department needs to complete the Security Audit of the application within the extended period of one month. Without Security Audit Certificate extending access for further period leads to the following Application Security Risk & Cyber Attacks/Threats:
	• Broken Access Control
	• Cryptographic Failures
	• SQL Injection
	• Insecure Design
	• Security Misconfiguration
	• Vulnerable and Outdated Components
	• Identification and Authertication Failures
	• Software and Data Integrity Failures
	• Security Logging and Monitoring Failure
	• Server-Side Request Forgery (SSRF)
	• Cyber-Attacks:
	  ➢ Phishing
	  ➢ Man-in-the-middle Attack
		Yes

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Que
25/01/2023

VASANTH RAO. D
System Engineer
Dr. B.R. Ambedkar Open University

REGISTRAR
Dr. B. R. AMBEDKAR OPEN UNIVERSITY
JUBILEE HILLS, HYDERABAD-500 033.

S. No.	Particulars	DepartmentResponse/Remarks
	➤ Distributed Denial of Service Attack (DDoS) ➤ AI-Powered Attack ➤ Password Attack ➤ Eavesdropping Attack ➤ Ransomware Attack ➤ Drive-by Attack.	
6	Allowing access to unaudited website is potential security risk for website and datacentre operatiors too. The application owner would be responsible for any security breach of the applications.	Yes
7	After issuing the Security Audit Certificate (SAC) by cert-in vendor, Department needs to submit the SAC along with VAPT report. After verification of Audit Certificate and VAPT report, SDC will allow access for one year as per SDC Policy.Department needs to renew Security Audit Certificateannuallyand submit to SDC for further extension.	Yes

Signing Authority Details:

Name [Head of the Department]:

Department Name:

Date:
[_Special Chief Secretary/Principal_
Email id:
Director/Director/CEO/Executive Director]

Signature with Seal ofHead of the Department

Secretary/Secretary/commissioner/Managing

25/01/2023
VASANTH RAO. D
System Engineer
Dr. B.R. Ambedkar Open University

REGISTRAR
Dr. B. R. AMBEDKAR OPEN UNIVERSITY
JUBILEE HILLS, HYDERABAD-500 033.

Dear Sir

As per your request, internet access for the following servers will be provided for one month, kindly check and update.

s no	Private IP	Public IP/Urls	Port Numbers	Duration
1	10.10.174. 50, 10.10.174. 51	ibrary.braou.ac.in, lnb.braou.ac.in, ir.braou.ac.in elearning.braou.ac.in, oer.braou.ac.in, braouonline.in, vidyagani.braou.ac.in, Ciqa.braou.ac.in	80,443	1 Month

Thanks & Regards,

Srikar

NMG Team, State Data Center.

Address: State Data Centre, 1st Floor, TSIIC Center, Opp. to CA, Q City Road, Wipro Circle, Financial District, Gachibowli, Hyderabad-500032.

E Mail ID :helpdesk.sdc@telangana.gov.in

Telephone Number : 040-29565836/160/145/705., Extn:506

Mobile number: +91-9154830572

Note: Kindly contact our 24x7 support at helpdesk.sdc@telangana.gov.in for any kind of service Request / Restore.

Software Technology Parks of India

(An Autonomous Society under Ministry of Electronics & Information Technology (MeitY), Govt. Of India)

SAFE-TO-HOST/USE CERTIFICATE

Certificate No	**HYD/2023/12/1**
Audit Details	
Auditing Organization	**Software Technology Parks of India**
Auditee Organization	**Dr BR Ambedkar Open University**
Audit Methodology	**OWASP Top10 2021**
Certificate Issue Date	**22.12.2023**
Certificate Validity	**This certificate is valid till, no major changes are done in the server-side code of the application, or 1 year, whichever is earlier**
Testing and Auditing details	
Testing URL	**https://lmstest.braou.ac.in**(14.139.86.136)
Production URL	**https://lms.braou.ac.in**
Audit Details	**Round I: 17.07.2023 to 20.07.2023** **Round II: 11.12.2023 to 15.12.2023**
Recommendations and Conclusion	
Recommendations	
Conclusion	**Mentioned development URL has been thoroughly tested while adhering to CERT-IN testing standards and found to be free of OWASP Top 10 and other known web application related vulnerabilities and is safe for hosting**
Reference	**For detailed security assessment related to the above website/URL, please refer to the audit report shared.**
Tested by	**Reviewed and approved by** C V D RAMPRASAD Digitally signed by C V D RAMPRASAD Date: 2023.12.22 16:20:19 +05'30'
Signature: **Name: Ch Veera Venkatesh** **Designation: MTS E-II**	**Signature:** **Name: CVD Ram Prasad** **Designation: Director**