



FDP on Virtual Labs

Date: 10-07-2020

Resource Person

Mr. K.V. Kalyan, Dept. CSE, CUTM

No. of Participants: 41

Resource Person:

Mr. K.V. Kalyan Chakravarthy is currently working as an Assistant Professor in the Department of Computer Science Engineering at Centurion University of Technology and Management, Andhra Pradesh. He is pursuing his Ph.D. in the field of Network Security at Andhra University, Vizag, MTech Degree from Andhra University, Vizag in the year 2011. He is Certified in CCNA (R&S), CCNA (Sec), Redhat, and AWS and has 10 + years of Experience in the field of Networking and Cyber Security.

About the session:

The Virtual Labs addresses the issue of lack of good lab facilities, as well as trained teachers, by providing remote access to simulation-based Labs in various disciplines of science and engineering. Yet another objective is to arouse the curiosity of the students and permit them to learn at their own pace. This student-centric approach facilitates the absorption of basic and advanced concepts through simulation-based experimentation. Internet-based experimentation further permits the use of additional web resources, video lectures, animated demonstrations, and self-evaluation. Specifically,

Objective:

1. To provide remote access to simulation-based Labs in various disciplines of Science and Engineering.
2. To enthuse students to conduct experiments by arousing their curiosity. This would help them in learning basic and advanced concepts through remote experimentation.
3. To provide a complete Learning Management System around the Virtual Labs where the students/ teachers can avail of various tools for learning, including additional web resources, video lectures, animated demonstrations, and self-evaluation.

Outcomes:

the Virtual Labs project addresses the following:

- Access to online labs in those engineering colleges that lack these lab facilities
- Access to online labs as a complementary facility to those colleges that already have labs
- Training and skill-set augmentation through workshops and on-site/ online training

Virtual labs are any place, any pace, any time, any type of lab. It is a paradigm shift in student-centric, online education.

Brochure of the event



The brochure features the Centurion University logo in the top left corner, which includes a circular emblem with a book and a lamp. The title 'Faculty Development Programme on Virtual Labs' is prominently displayed in the center, with 'Virtual Labs' in a larger, bold font. Below the title, the date 'DATE: 10.07.2020' and the resource person 'Mr. K.V. Kalyan Chakravarthy, Assistant Professor, Dept. CSE' are listed. The FDP co-ordinator 'Prof. Prabhat Kumar Pattnaik, Asst. Professor & Head, Dept. of ECE & EEE' is mentioned on the left, and the organizing institution 'Centurion University of Technology & Management' is on the right. The footer contains the university's name and tagline: 'centurion university of technology and management Shaping Lives... Empowering Communities...'

**Faculty Development Programme on
Virtual Labs**

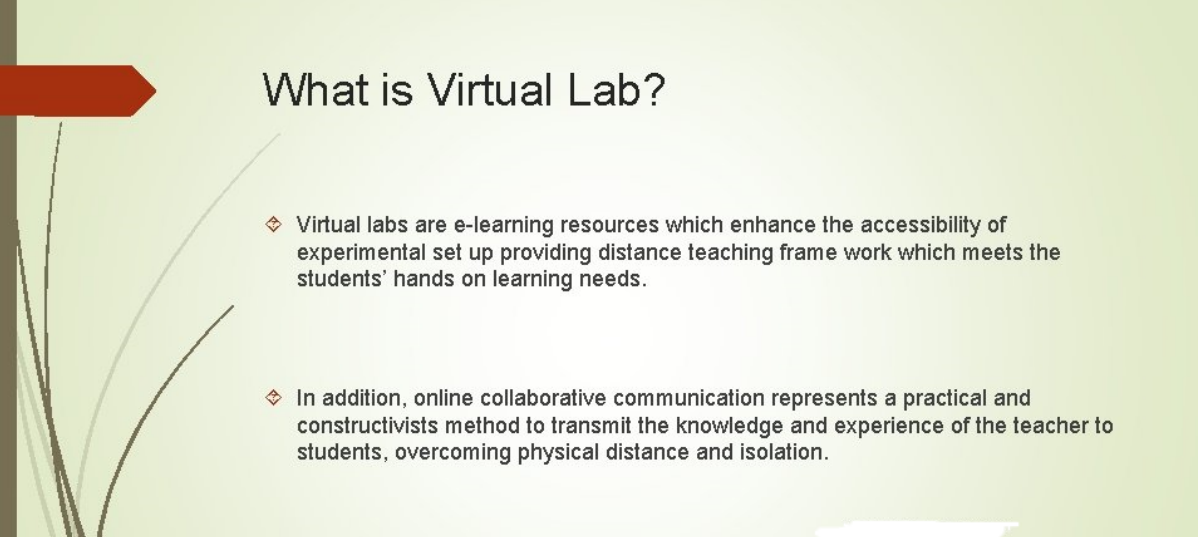
DATE: 10.07.2020

RESOURCE PERSON
Mr. K.V. Kalyan Chakravarthy
Assistant Professor, Dept. CSE

FDP CO-ORDINATOR
Prof. Prabhat Kumar Pattnaik
Asst. Professor & Head, Dept. of ECE & EEE

Organised by:
Centurion University of Technology
& Management

centurion university of technology and management
Shaping Lives... Empowering Communities...



The slide has a light green background with a decorative orange arrow pointing right on the left side. The title 'What is Virtual Lab?' is centered at the top. Below the title, there are two bullet points, each preceded by a diamond-shaped icon. The first bullet point discusses the accessibility of experimental setups and distance teaching. The second bullet point discusses online collaborative communication as a practical and constructivist method for knowledge transmission.

What is Virtual Lab?

- Virtual labs are e-learning resources which enhance the accessibility of experimental set up providing distance teaching frame work which meets the students' hands on learning needs.
- In addition, online collaborative communication represents a practical and constructivists method to transmit the knowledge and experience of the teacher to students, overcoming physical distance and isolation.

AIMS:

- To provide remote-access to laboratories in various discipline of science and engineering for students of levels from under graduate to research.
- It intends to develop a complete learning Management system where the students can avail the various tools for learning ,including additional web-resources ,video lectures, animated demonstration and self evaluation.
- It is also a component wherein costly equipments and resources are shared, which otherwise available to only a limited number of users due to constraints on time and geographical distances.
- It helps in learning basic and advanced concepts through remote experimentation.

List of Participants

Sl. No.	Name	Designation
1	Mr. Satyabrata Sadangi	Asst. Prof
2	Mrs. Tikina Mishra	Asst. Prof
3	Mr. Gyanendra Kumar Mishra	Asst. Prof
4	Mrs. Sasmita Kumari Pradhan	Asst. Prof
5	Dr. Aswini Kumar Rath	Prof.
6	Dr.Jyotiprakash Rath	Asst.Prof
7	Mr.Debashish Trpathy	Asst.Prof
8	Mr.Pankaj Meher	Asst.Prof
9	Dr.Sujit Kumar Mishra	Asst.Prof
10	Mr. Pritam Tripathy	Asst.Prof
11	Dr.Bhairab Kumar Majhi	Asst.Prof
12	Ms.Sujata Acharya	Asst.Prof
13	Mrs.Monalisha Joshi	Asst.Prof
14	Mrs.Meena Kumari Sahu	Asst.Prof
15	Dr. Nilaya Kumar Mohanty	Asst.Prof
16	Dr.Aditya Kumar Purohit	Asst.Prof
17	Dr.Shanatanu Bhattacharya	Asst.Prof
18	Dr.Srikanta Moharana	Asst.Prof
19	Dr.Pratibha Rani Deep	Asst.Prof
20	Mr.P.Utkal Bharat Kumar	Asst.Prof
21	Dr.Ashish Kumar Sarangi	Associate Professor
22	Dr. Prafulla Kumar Sahu	Professor
23	Dr. Santosh Kumar Ranajit	Associate Professor
24	Mr.Vijaya Kumar Meher	Asst.Prof
25	Mr. Dinesh Kumar Sharma	Asst.Prof
26	Mr. Chaitanya Prasad Meher	Asst.Prof
27	Mr.Ashish Kumar Meher	Asst.Prof

28	Mr.Dhermendra Pradhan	Asst.Prof
29	Mrs.Binapani Barik	Asst.Prof
30	Mr. Biswajeet Acharya	Asst.Prof
31	Mr. Mir Sadat Ali	Associate Professor
32	Dr. Sujit Mishra	Assistant Professor
33	Dr. Santosh Patro	Assistant Professor
34	Dr. Nagesh Kolagani	Professor
35	Dr. Dhawaleswar Rao CH	Associate Professor
36	Mr. Debendra Maharana	Assistant Professor
37	Mr. Md. Sameen Chishtis	Assistant Professor
38	Mr. Abinas Panda	Assistant Professor
39	Dr. Dillip Rout	Assistant Professor
40	Mr. Anshuman Pattanaik	Assistant Professor
41	Mr. Kirtidev Mohapatra	Asst. Professor



Dr. Prasanta Ku. Mohanty
Dean Academic



Mr. Prabhat k. Patnaik
FDP Coordinator