

About the FDP:

Virtual Labs, an initiative by the Ministry of Education, Government of India, under the National Mission on Education through Information and Communication Technology (NMEICT), is an e-learning platform for practical laboratory experiments on the same lines of NPTEL for classroom courses, aims at facilitating learning of engineering and sciences through experimentation in a virtual environment at the preferred pace, place and period (time) of the learner. Under the Virtual Labs project, over 125 practical lab courses consisting of approximately 1000+ web-enabled experiments from engineering and basic science streams have been designed and deployed on www.vlab.co.in for the use of students and faculty members. The facility would cater the students of undergraduate, post graduate, doctoral levels as well as to the faculty by providing remote-access to labs broadly in 9 disciplines and provide a complete Learning Management System where the students can avail the various tools for learning, including additional web-resources, video-lectures, animated demonstrations and self-evaluation.

Objectives of the FDP

The Program aims to give a comprehensive understanding about the Virtual Labs initiating and enable them to explore the resources on the platform

Expected Outcomes of the FDP

Understand the aspects of remote experiential Learning and the various efforts under NMEICT to enhance the digital learning by doing the engineering and science courses. Understand the catalogue of learning materials and resources offered on the Virtual labs platform so that the faculty & Staff can identify content relevant to the student or course. Broad understanding of how the initiative is being implemented at a pan india scale community driven project involving students and teachers of Nodal Centers. Enable faculty to think & research about the scope and limitations of the project as well as opportunities for future initiatives in remote experiential learning

Who Should Attend?

Faculty members & Staff members of AICTE approved institutions, System Analyst / Computer Programmer and Technical Staff from Govt./Govt. Aided/ Self Financing Engg. Colleges, Science & Polytechnic Colleges

Resource Persons:

The Programme will be delivered by a Resource team led by **Prof. Kantesh Balani**, Participating Institute Coordinator Virtual Labs, **IIT Kanpur** ", and will be supported by team of research fellows associated with the Virtual Labs Project at the trans disciplinary centre

CHIEF PATRON:

Prof. J. P. Pandey
Hon'ble Vice Chancellor
Dr. A.P.J. Abdul Kalam Technical
University, Lucknow

PATRON & CONVENOR:

Prof. Manoj Kumar Shukla,
Director
Rajkiya Engineering College Kannauj

COORDINATOR:

Dr. Ravish Singh Rajput
Mr. Rajeev Kumar

ORGANIZING COMMITTEE:

Dr. B.D.K. Patro
Dr. Arun Kumar Singh
Dr. Akash Agrawal
Mr. Rishabh Kashyap
Mrs. Shilpi Yadav



An MoE Govt of India Initiative



A

One Week FDP ON

**“Use And Development of Virtual
Laboratory With Virtual Reality (VR)
Integration”**

(online/offline Mode)

10th -15th February, 2025

in association with

Virtual Lab, IIT Kanpur



Organized by

Rajkiya Engineering College, Kannauj

Tirwa, Kannauj (U.P)

Affiliated with

**Dr A.P.J. Abdul Kalam Technical
University, Lucknow**

Visit us at: www.reck.ac.in

One Week FDP
on
“Use And Development of Virtual
Laboratory With Virtual Reality (VR)
Integration”

REC Kannauj & Virtual Labs, IIT Kanpur
(10th Feb.-15th Feb. 2025)

1. The FDP will be organized in hybrid mode.
2. The session of the Six days FDP will be live streamed on YouTube and on Google as well.

Registration link:

Online Registration for the FDP can be done using URL <https://forms.gle/czqf5GmuqmWpTDXW8>

Mode of Delivery:

Technical Session & Hands-on practice (demonstration)

Prerequisites:

No prerequisites

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About The Institute:

Rajkiya Engineering College, Kannauj (RECK) is an Institute with total commitment to quality and excellence in academics. It was established by the Government of Uttar Pradesh in the year 2015. The College is affiliated to Dr.A.P.J. Abdul Kalam Technical University, Lucknow (Formerly Uttar Pradesh Technical University, Lucknow). The College offers four full time courses namely Electrical Engineering, Electronics Engineering, Civil Engineering and Computer Science & Engineering with the aim of equipping the young talents with professional education and to confer sufficient knowledge upon them to meet the demand and challenges of volatile global environment.

How to Reach College:

The campus of Rajkiya Engineering College Kannauj is located in Tirwa at Dibyapur road. It is near about 100 kilo meters far from Lucknow and Kanpur, 21 kilometers far from Kannauj railway station/bus stand, 5-6 kilometers far from Rajkiya Medical College, Kannauj and 3 kilometers ahead of the main market of Tirwaganj. One can reach college campus from Kannauj railway station/bus stand of Kannauj by having auto rickshaw.

About Virtual Labs, IIT Kanpur

Virtual Labs, an initiative by IIT Kanpur, is a revolutionary platform aimed at enhancing education and research by providing students with the ability to perform laboratory experiments in a virtual environment. It allows users to simulate real-world experiments, analyze data, and understand complex processes without the need for physical lab setups. This initiative is particularly beneficial for institutions with limited access to advanced laboratory equipment. By integrating advanced technologies, such as interactive simulations and remote access to instruments, Virtual Labs promote hands-on learning and bridge the gap between theoretical knowledge and practical application. It offers accessibility, cost efficiency, and flexibility, enabling learners and educators to use these resources anytime, anywhere. Virtual Labs serve as a valuable tool for disciplines like engineering, science, and technology, fostering innovation and critical thinking in students. REC Kannauj & Virtual Labs, IIT Kanpur will conduct its programme from 10th Feb -15th Feb 2025 at Rajkiya Engineering College Kannauj.

Registration: Only the First 100 registrations will be considered. There are no registration fees. 80 % Attendance is compulsory and a Quiz will follow in the last session.

Registration Form

One Week

R.E.C. Kannauj & Virtual Labs, IIT Kanpur

on

“Use And Development of Virtual
Laboratory With Virtual Reality (VR)
Integration”

(10th Feb-15th Feb 2025)

1. Name:.....
2. Designation:.....
3. Educational Qualification:
4. Experience:
5. Area of Specialization or Research:
6. Department:
7. Organization:
8. Email id:
9. Mobile number:

Registration link:

Online Registration for the FDP can be done using

URL

<https://forms.gle/czqf5GmuqmWpTDXW8>