

## **Overview of Virtual Lab**

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**Abstract:** *Virtual laboratory is a platform at which certain practicals can be performed virtually. Virtual lab emerges as an excellent tool for education purpose for learners. Thus, by usage of this virtual lab platform students can perform practical as given by the teacher as well as they can give feedback. Having this concept of virtual lab into consideration we propose a unique virtual laboratory as a web application for mechanical engineering department at which students can perform practicals and also keep record of their performance activity. In this virtual we lab provide simulation, open source and videos for students. Simulations are of practicals which are provided by the university. Some subject's practical need specific software to perform their practical, so for such we provide open source at which students perform seamlessly. But there are some subjects which doesn't have open sources, so to eliminate such limitation videos are made and uploaded on virtual lab. By inculcating these all aspects in virtual lab, enthusiasm towards practical education for students will increase. Thus, improving understanding of process in practical will increase parallelly.*

**Keywords:** Virtual, Practical, Simulation

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