



AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

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Date: 10.12.2019

REPORT ON “WORKSHOP ON VIRTUAL LABS”

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|------------------------------------|---|------------------------------------|----|-------------------------------|---|
| Name of the Program | Workshop on Virtual Labs | Program Dates & Timings | | 09-12-2019 9.15 am to 4 pm | |
| Organized by (Clubs/ Dept.) | Department of Information Science Engineering | In Association with (clubs) | | - | |
| Number of Participants | 59 | Students | 59 | Faculty | - |
| Coordinator | Mr Rakesh M R, Assistant Professor, Dept. of ISE | | | | |
| Resource Person | Mr Rakesh M R, Assistant Professor, Dept. of ISE Mr John Prakash Veigas, Assistant Professor, Dept. of ISE | | | | |

About the Program:

A workshop on Virtual labs was organized at AJ Institute of Engineering and Technology, Mangaluru for the first semester students of the Department of Information Science Engineering on 09-12-2019 at 9.15 am to 4 pm. A total of 59 student members are participated in this event. The Resource person gave hands-on demonstration of the virtual labs. Mr Rakesh M R, Assistant Professor, Dept. of ISE briefed about the workshop and its benefits.

Virtual labs are an innovative educational tool designed to enhance the learning experience in various scientific and engineering disciplines. They offer students a way to perform experiments and simulations online, which can be particularly useful for remote learning or when physical labs are not accessible.

The following experiments are demonstrated in the lab:

- Introduction on VLabs
- V-Lab simulation
- Computer programming lab
- Basic Electronics Lab


Principal

A.J. Institute of Engineering & Technology
Mangaluru - 575 006

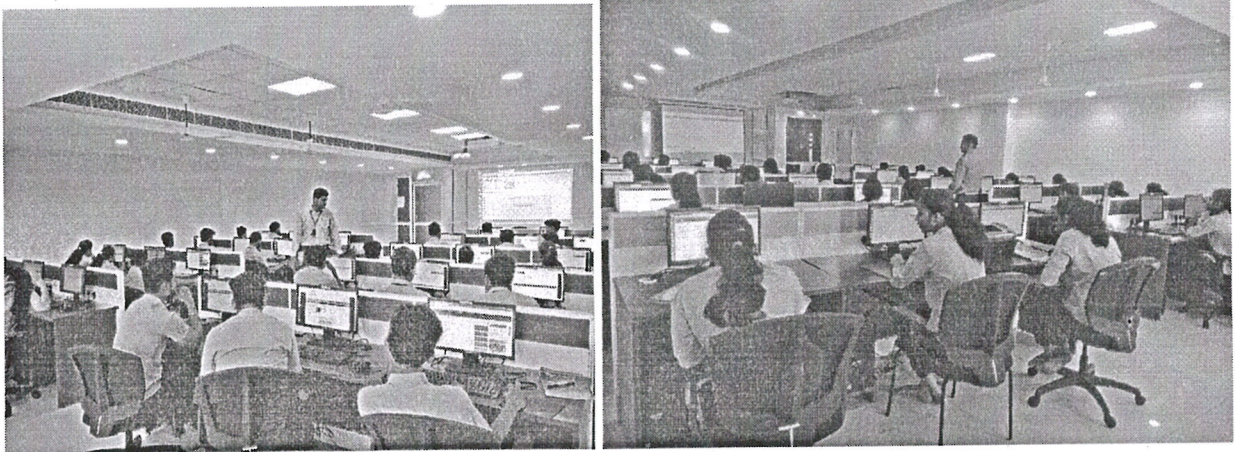
Outcomes:

- **Enhanced Accessibility and Flexibility:** Virtual labs provide students with the ability to access and conduct experiments from anywhere and at any time. This flexibility is particularly beneficial for students who may not have regular access to physical lab facilities due to geographic, time, or resource constraints.
- **Improved Understanding and Skill Development:** Virtual labs include interactive simulations that can help students visualize and understand complex scientific and engineering concepts more effectively. They provide opportunities for students to experiment with variables and see real-time results, which can lead to a deeper comprehension of the subject matter.

These virtual labs provided interactive simulations and scenarios that mimic real-life experiments, allowing students to understand complex concepts, conduct experiments, and analyze data in a virtual environment. They were used to supplement traditional lab work, helping students gain practical experience and improve their problem-solving skills without the need for physical lab equipment.


In essence virtual labs aim to make learning more flexible and accessible, bridging gaps in practical knowledge and providing valuable hands-on experience in a digital format.

Photos



Workshop on Virtual Lab on 09-12-2019 by Mr.Rakesh M R, John Prakash Veigas


Mr. Rakesh M R
Staff Coordinator


Mr. John Prakash Veigas
Virtual Lab Coordinator


Dr. Shantharama Rai C
Principal

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