



# AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

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Date: 26.02.2021

## REPORT ON “HANDS ON AWARENESS PROGRAMS ON VIRTUAL LABS”

<b>Name of the Program</b>	Hands On Awareness Programs On Virtual Labs	<b>Program Dates &amp; Timings</b>		25-02-2021 9.30 am to 4.30 pm	
<b>Organized by (Clubs/ Dept.)</b>	Department of Computer Science and Engineering	In Association with (clubs)		-	
<b>Number of Participants</b>	40	Students	40	Faculty	-
<b>Coordinator</b>	Mrs. Snitha Shetty, Assistant Professor, Dept. of CSE				
<b>Resource Person</b>	Mrs. Snitha Shetty, Assistant Professor, Dept. of CSE				

### About the Program:

A Hands On Awareness Programs On Virtual Labs was organized at AJ Institute of Engineering and Technology, Mangaluru for the second year students of the Department of Computer Science Engineering on 25-02-2021 at 9.30 am to 4.30 pm. A total of 40 student members are participated in this event. The Resource person gave hands-on demonstration of the virtual labs. Mrs. Snitha Shetty, Assistant Professor, Dept. of CSE 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 Computer Programming Labs
- C-Lab simulation
- Basic Electronics Lab

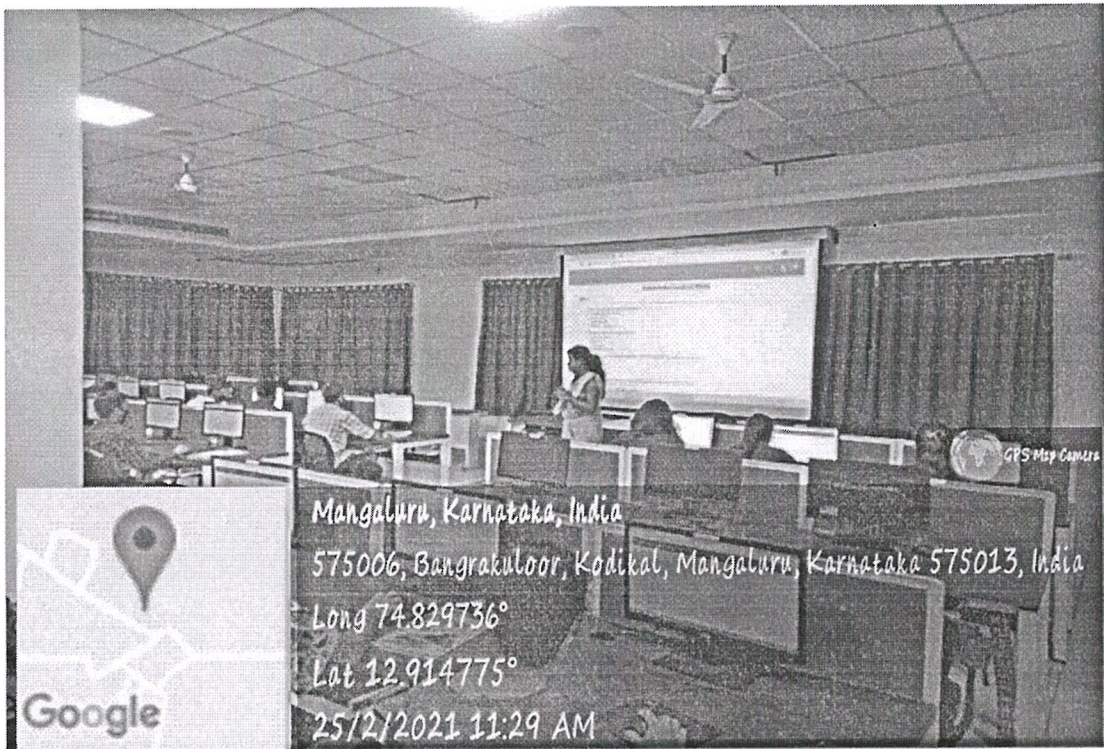
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- Physical science lab

**Outcomes:**

- **Enhanced Understanding of Complex Concepts:** Interactive simulations in virtual labs enable students to visualize and experiment with abstract concepts that might be difficult to grasp through theoretical learning alone. This hands-on experience aids in a deeper understanding of complex scientific and engineering principles.
- **Flexibility in Learning Pace:** Students can work through virtual lab experiments at their own pace, replaying simulations and revisiting procedures as needed. This flexibility allows for personalized learning experiences, accommodating different learning speeds and styles.



**Hands on Awareness Programs on Virtual Labs on 25-02-21 by Mrs.Snitha Shetty,Assistant Professor,Dept.Of CSE**

**Mrs. Snitha Shetty  
Staff Coordinator**

**Dr. Antony P J  
HOD-CSE**

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**Dr. Shantharama Rai C  
Principal**

**Principal  
A.J. Institute of Engineering & Technology  
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