



CADMECH

CADMECH- SMART VR

Experience Lab



Details of VR Content

VR Experience Application Modules:

(DOES NOT REQUIRES THE PERSONEL COMPUTER OR SETUP)

Modules is compatible with Meta Quest 3 VR headset. List of modules is given below:

	Module Topic	Length of Experience
1	Basic Hydraulic Experiments	15-20Mins
2	Electro hydraulic Experiments	15-20Mins
3	PLC Hydraulic experiments	15-20Mins
4	Basic Pneumatic Experiments	15-20Mins
5	Electro Pneumatic Experiments	15-20Mins
6	PLC Pneumatic Experiments	15-20Mins
7	Compressor Experiments	15-20Mins
8	Smart lab	15-20Mins
9	Virtual reality modules showing working, Connecting, disconnecting,	
10	Virtual Reality modules for experiments listed in annexure 1Approx. 10 min each or as required	
11	Diploma level projects for Mechanical, Robotics and Mechatronics (Guided Tour with Keynotes) Approx. 4 min each or as desirable	



Total Experiments

(Hydraulic Trainer & Pneumatic) done through VR is more than 35 Experiments.

Features of Virtual Reality in Hydraulic/Pneumatic Systems/Smart lab:

1. VR Headset with two joy sticks gives Virtual Environment of Hydraulic/Pneumatic System.
2. Accessibility of doing all the hydraulic/pneumatic Experiments virtually by doing pipes & electrical connections along with PLC unit.
3. All hydraulic/pneumatic Experiments can be run virtually similar to simulation in virtual world.
4. List of Experiments & soft buttons to click, view all the experiment details. Can be seen on screen
5. Detailed description of each & every hydraulic/pneumatic component can be seen virtually.



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