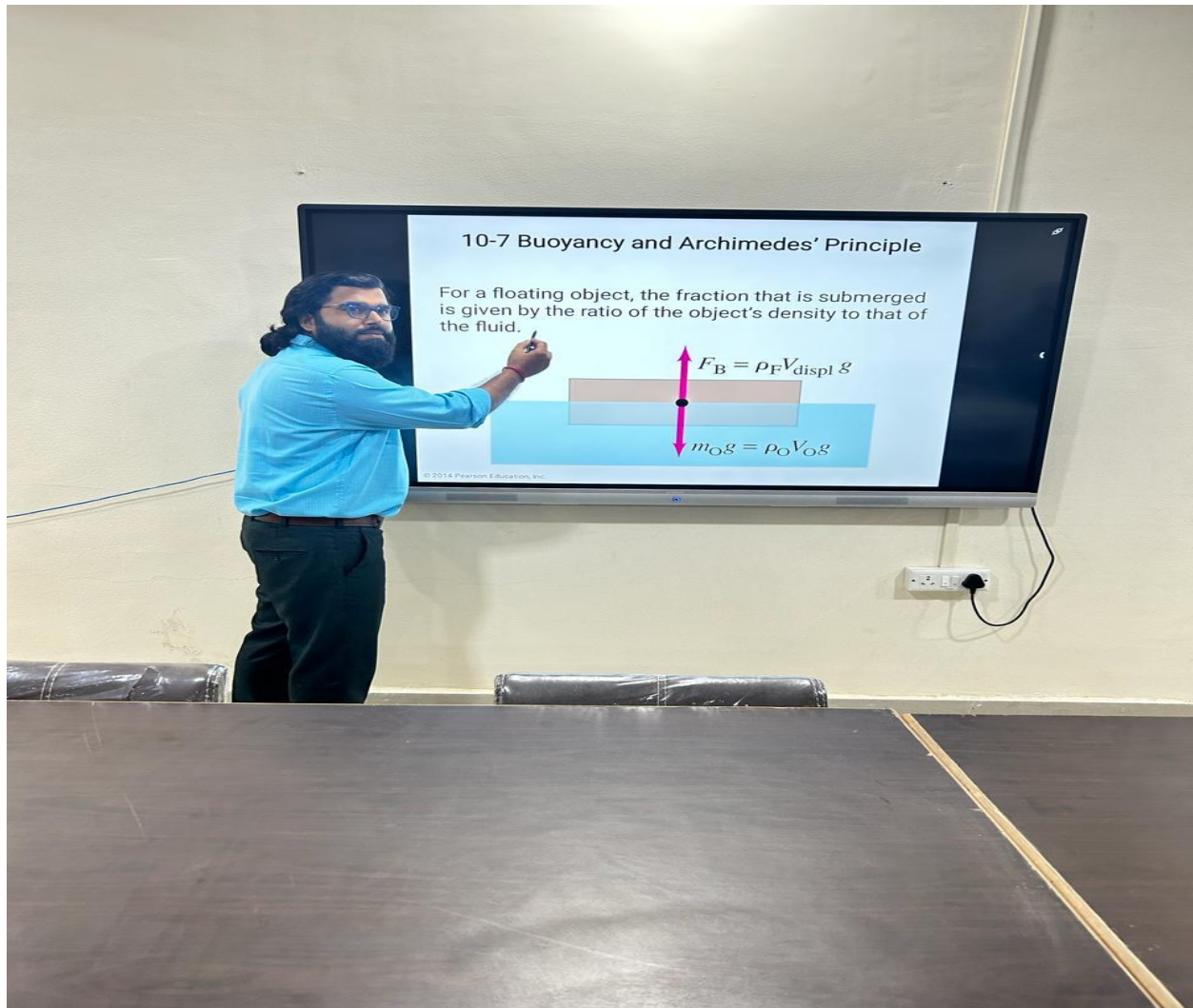
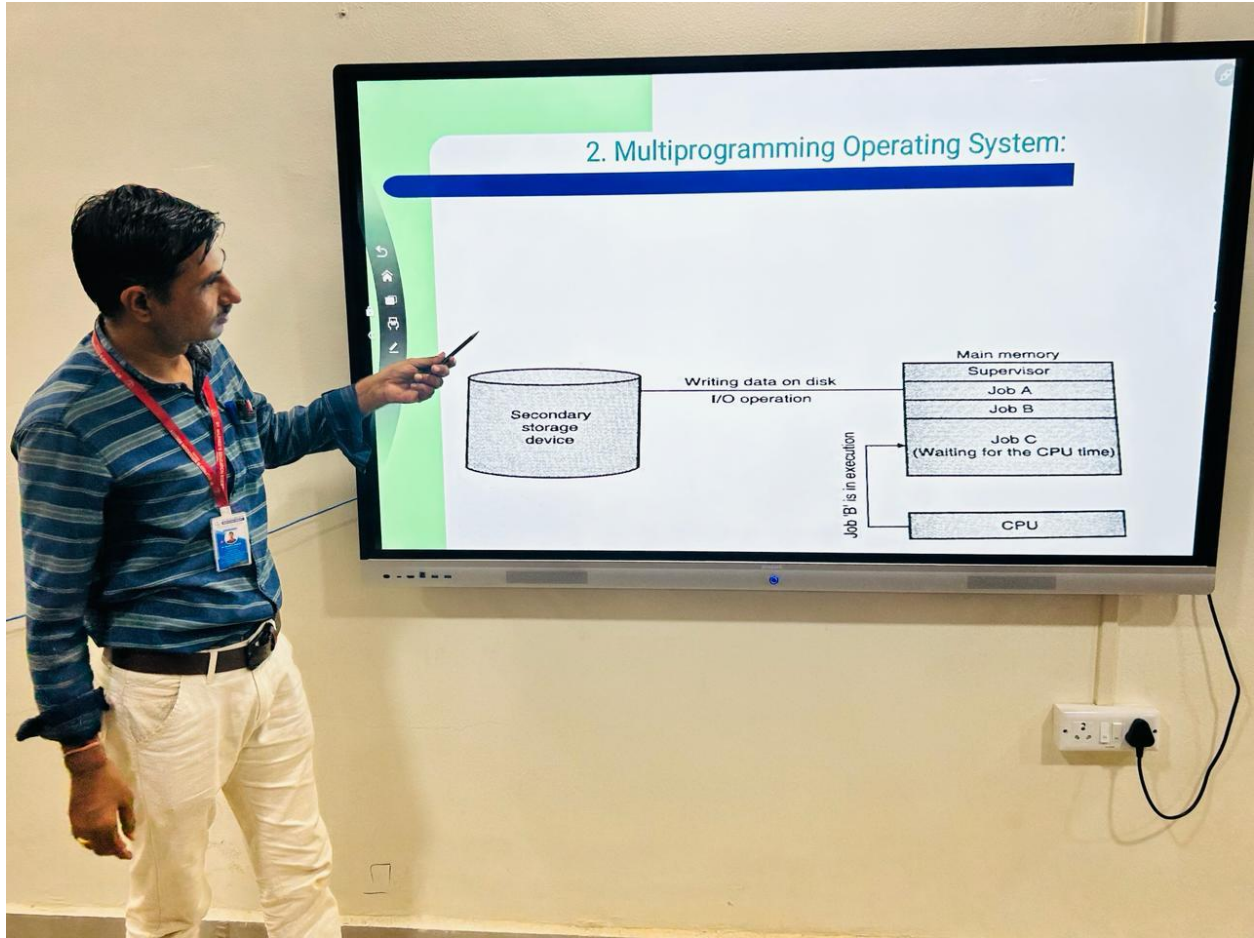


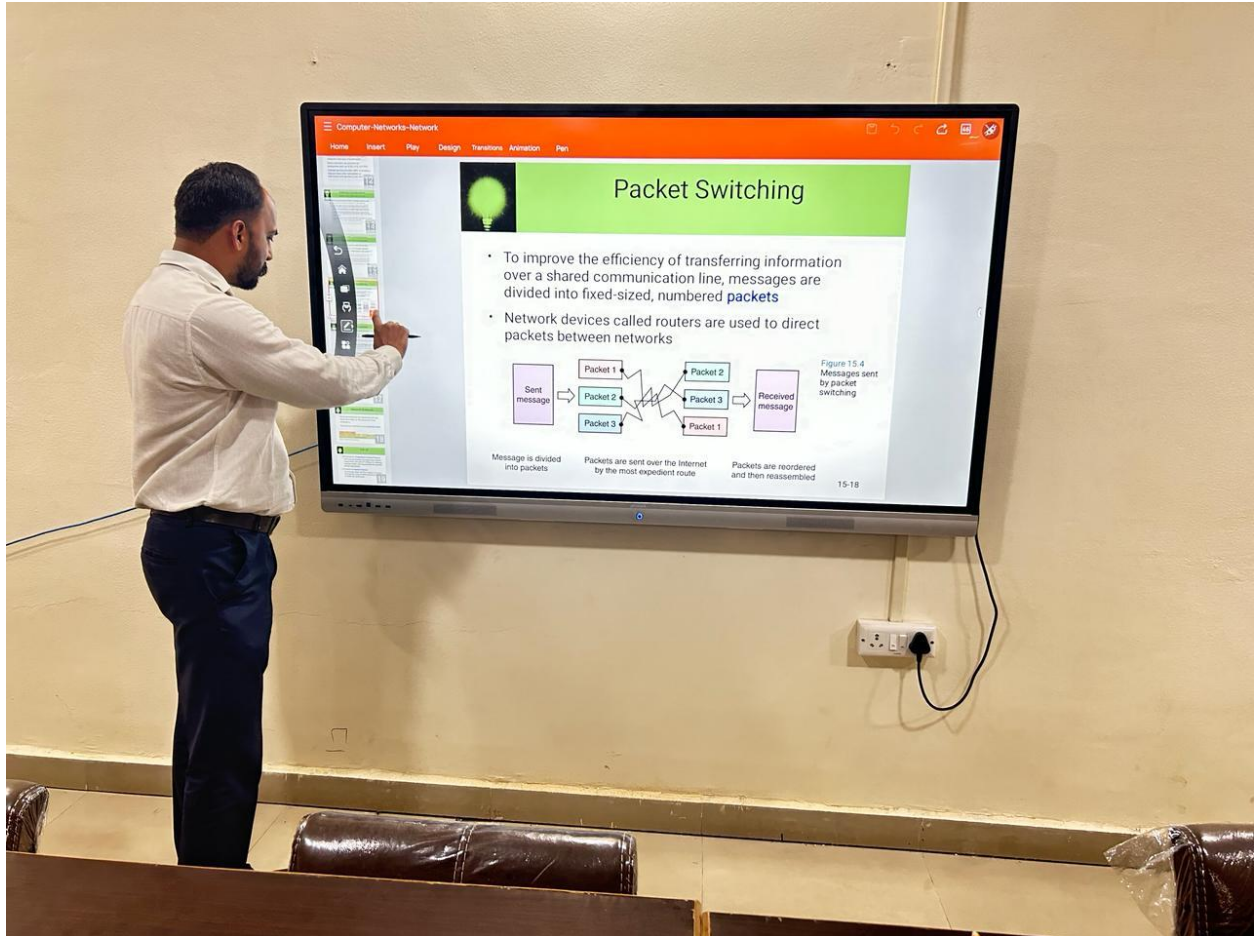
Teachers use ICT- enabled tools including online resources for effective teaching and learning process.

It is the Institutional policy to focus on dissemination of technical concepts till the last student. To make this viable, the Faculty makes learning joyful through the use of ICT tools. All the necessary equipment and resources like computers, internet access, and various online ICT tools are made available to the student community. Institute take keen interest in imparting training of using various ICT tools to the Faculty members to keep them up to date.



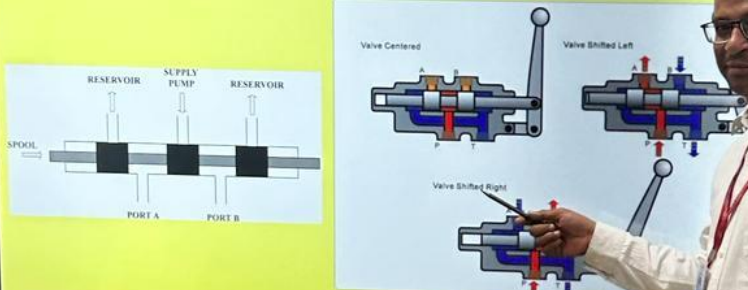






Spool Valve

Controls direction of flow of fluid in a hydraulic system to cause the different parts of the system to function.

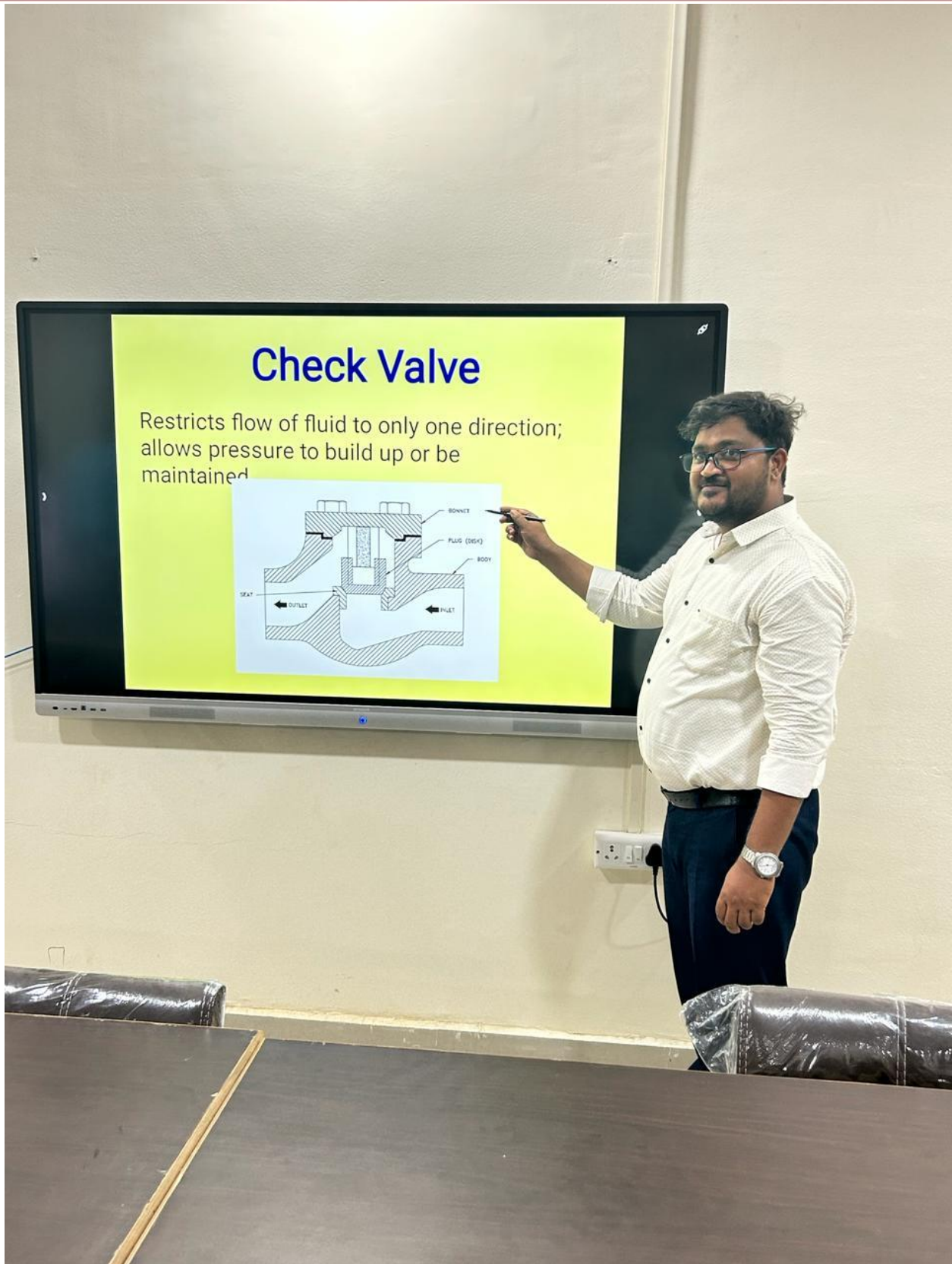
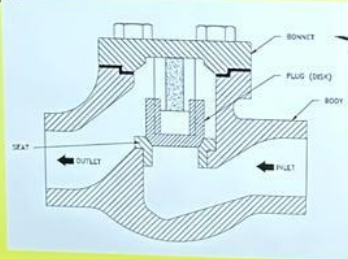


The diagram illustrates the operation of a spool valve in a hydraulic system. On the left, a schematic shows a spool valve with a central supply pump connected to two reservoirs. The spool valve has two ports, PORT A and PORT B. On the right, three cross-sectional views show the valve in different positions: 'Valve Centered' (where the spool is in the middle, blocking all ports), 'Valve Shifted Left' (where the spool moves to the left, connecting the supply pump to PORT A and blocking PORT B), and 'Valve Shifted Right' (where the spool moves to the right, connecting the supply pump to PORT B and blocking PORT A).

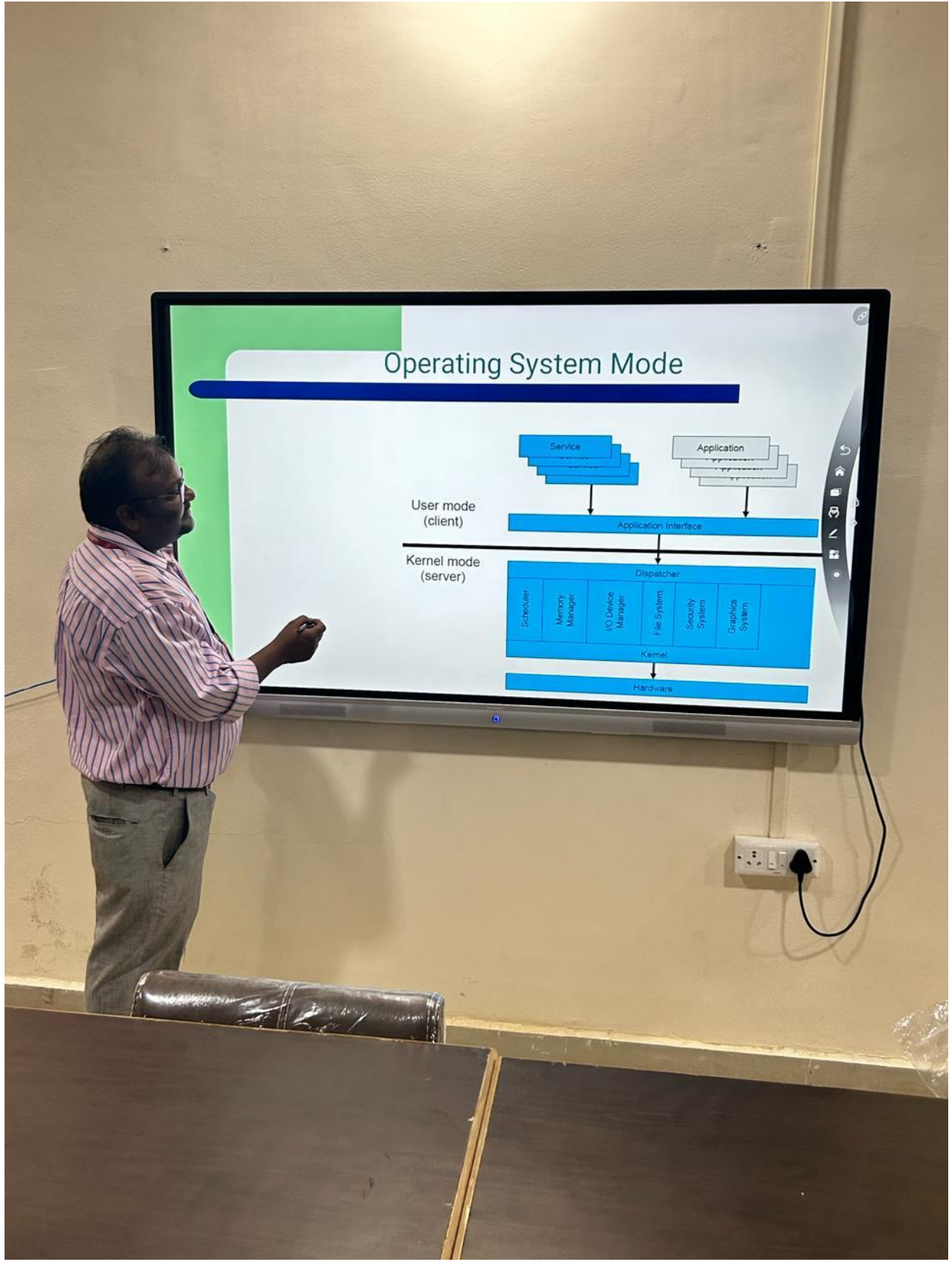


Check Valve

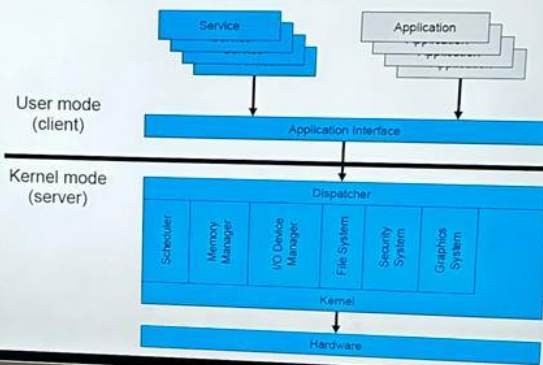
Restricts flow of fluid to only one direction; allows pressure to build up or be maintained







Operating System Mode

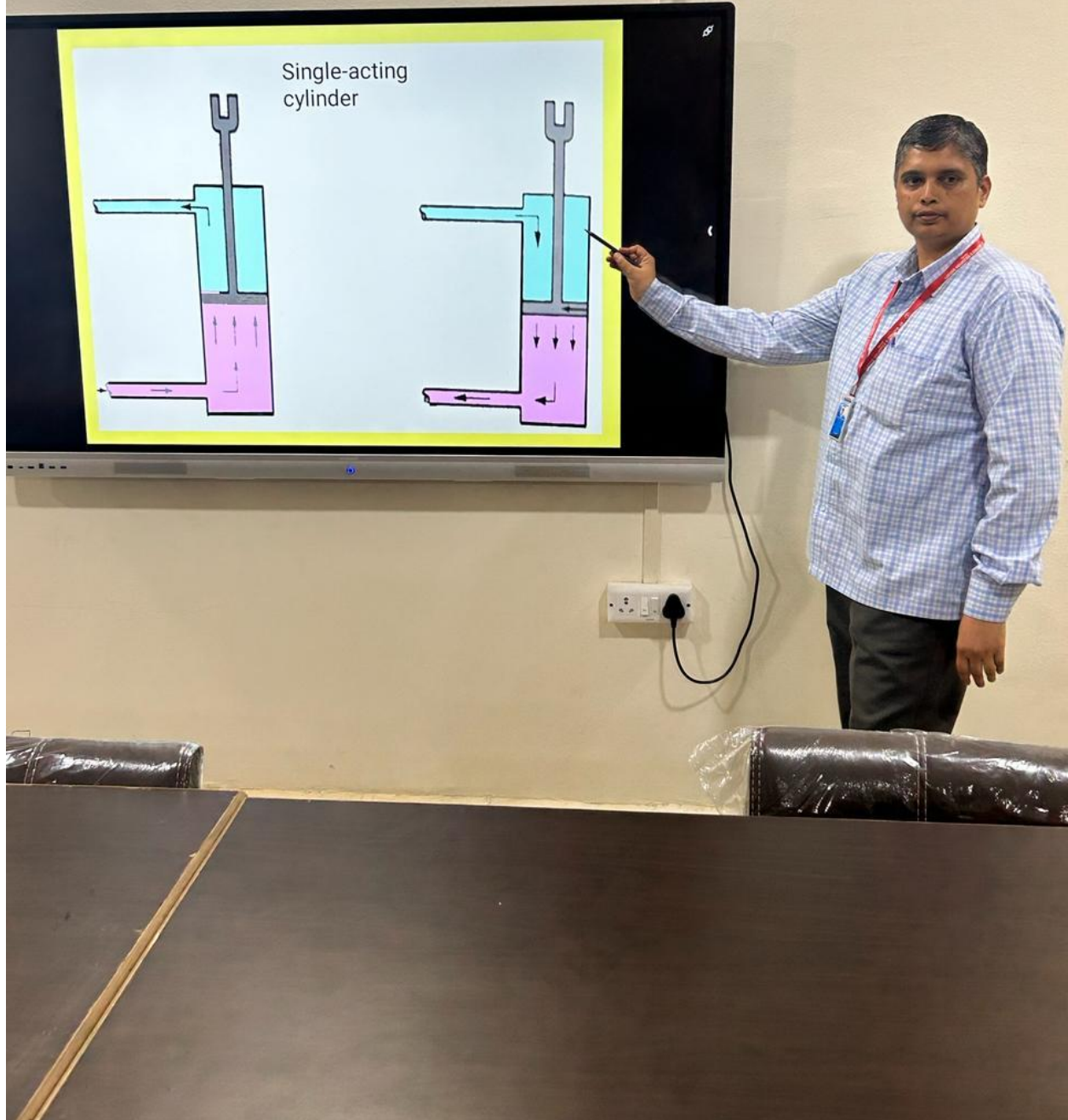


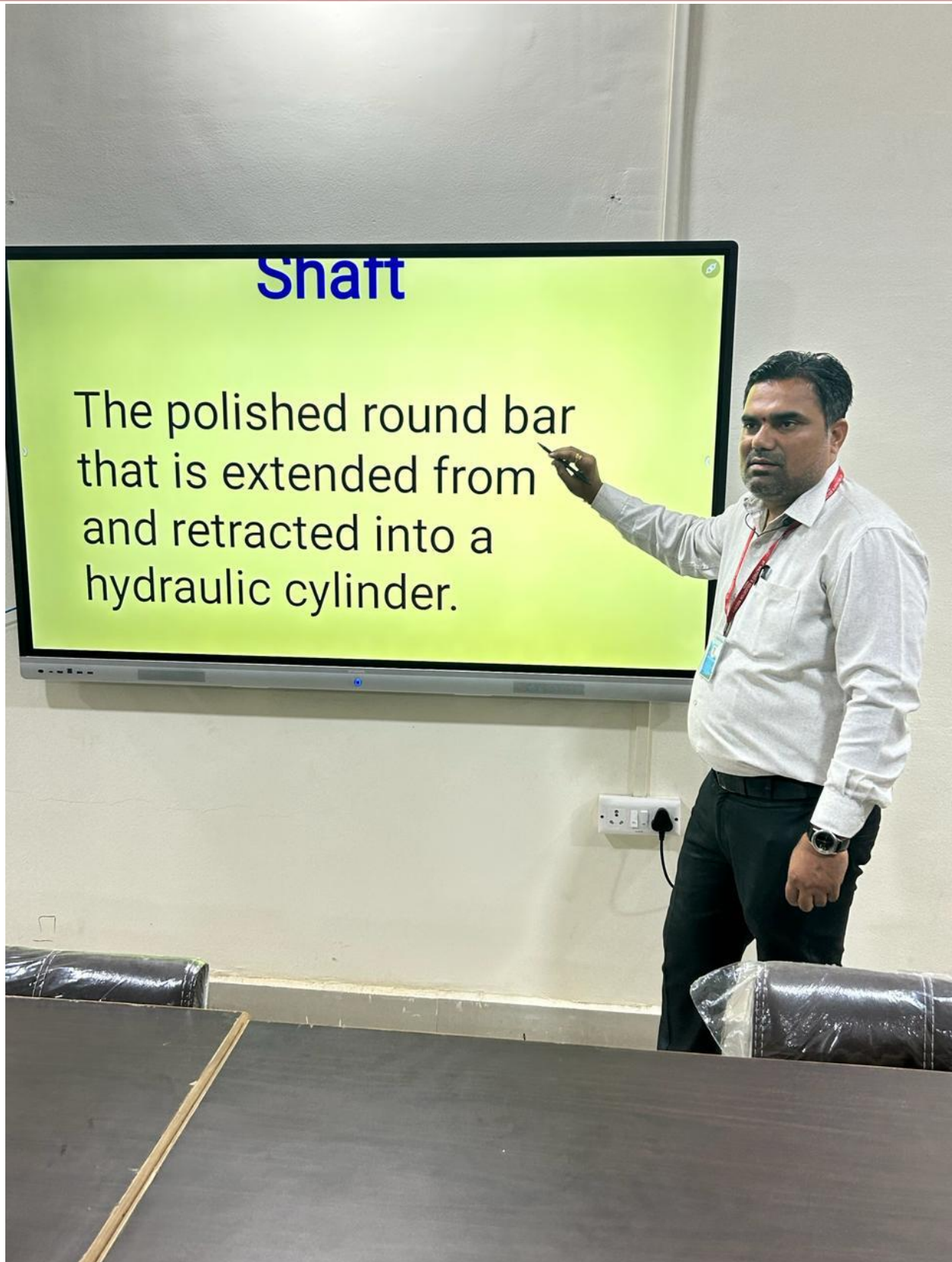


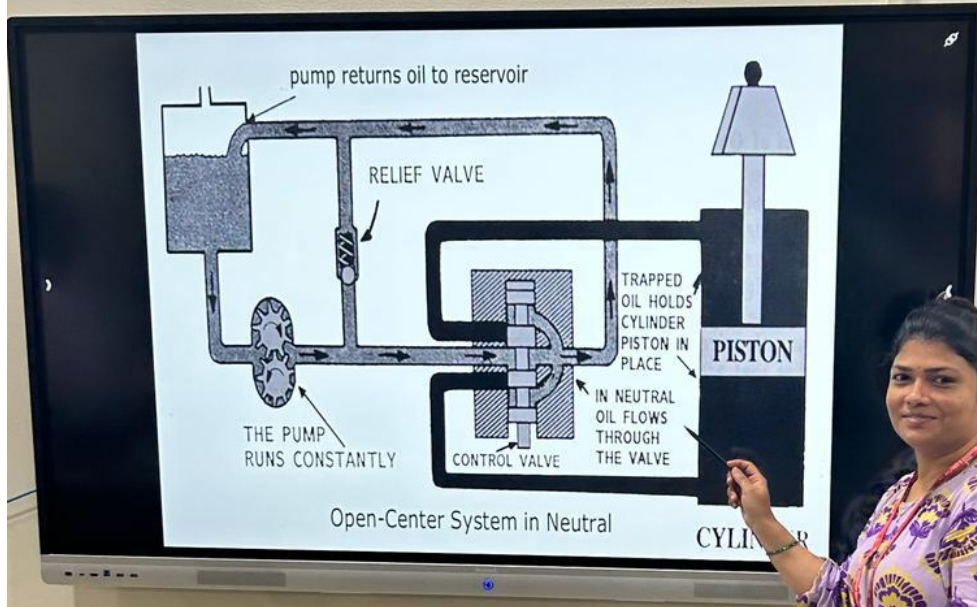
What is Laser?

Light Amplification by Stimulated Emission of Radiation

- A device produces a coherent beam of optical radiation by stimulating electronic, ionic, or molecular transitions to higher energy levels
- Mainly used in Single Mode Systems
- Light Emission range: 5 to 10 degrees
- Require Higher complex driver circuitry than LEDs
- Laser action occurs from three main processes: photon absorption, spontaneous emission, and stimulated emission.



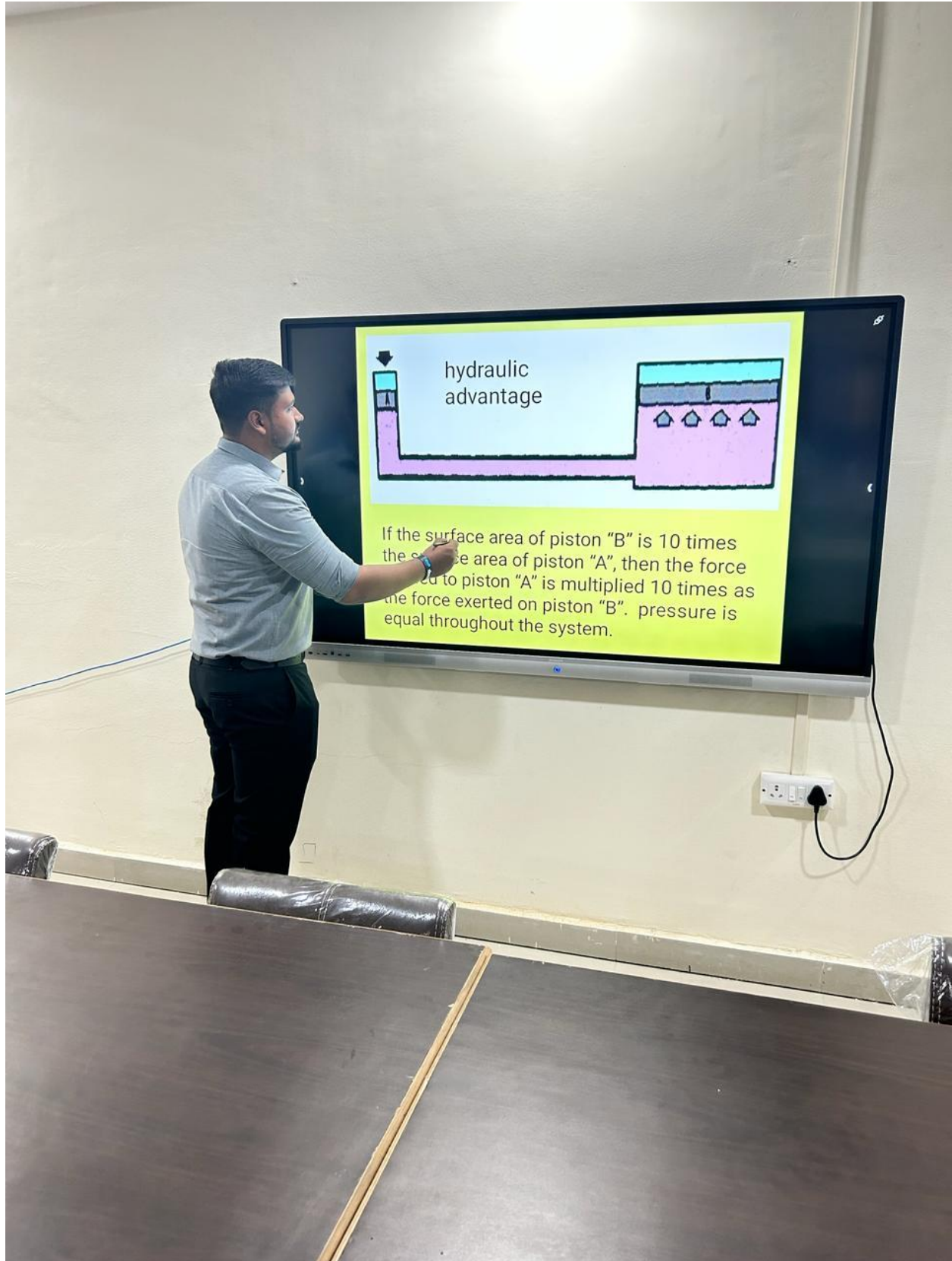




Hydraulic Motor

Receives power from moving fluid to transfer hydraulic power to mechanical rotating force.





Gear Pumps

- Work well at 1500 PSI and below
- Work with a minimum of moving parts
- Less expensive to manufacture than piston type pumps

