



**AARUPADAI VEEDU  
INSTITUTE OF TECHNOLOGY**  
OMR, PAIYANŌOR, CHENNAI - 603104



**VINAYAKA MISSION'S  
RESEARCH FOUNDATION**  
(Deemed to be University under section 3 of the UGC Act 1956)



**INSTITUTION'S  
INNOVATION  
COUNCIL**  
(Ministry of HRD Initiative)



## **Department of Mechanical Engineering**

**Centre for Industry Relations – CIR & Institution Innovation Council (IIC)**

**In association with Energy and Fuel Users' Association (ENFUSE)**

**Mech week 2020 - Webinar series – “Basic - Advanced Hydraulics” on 06.05.2020**

**Mr. Ravichandran, Managing Director, Island Hydraulics.**

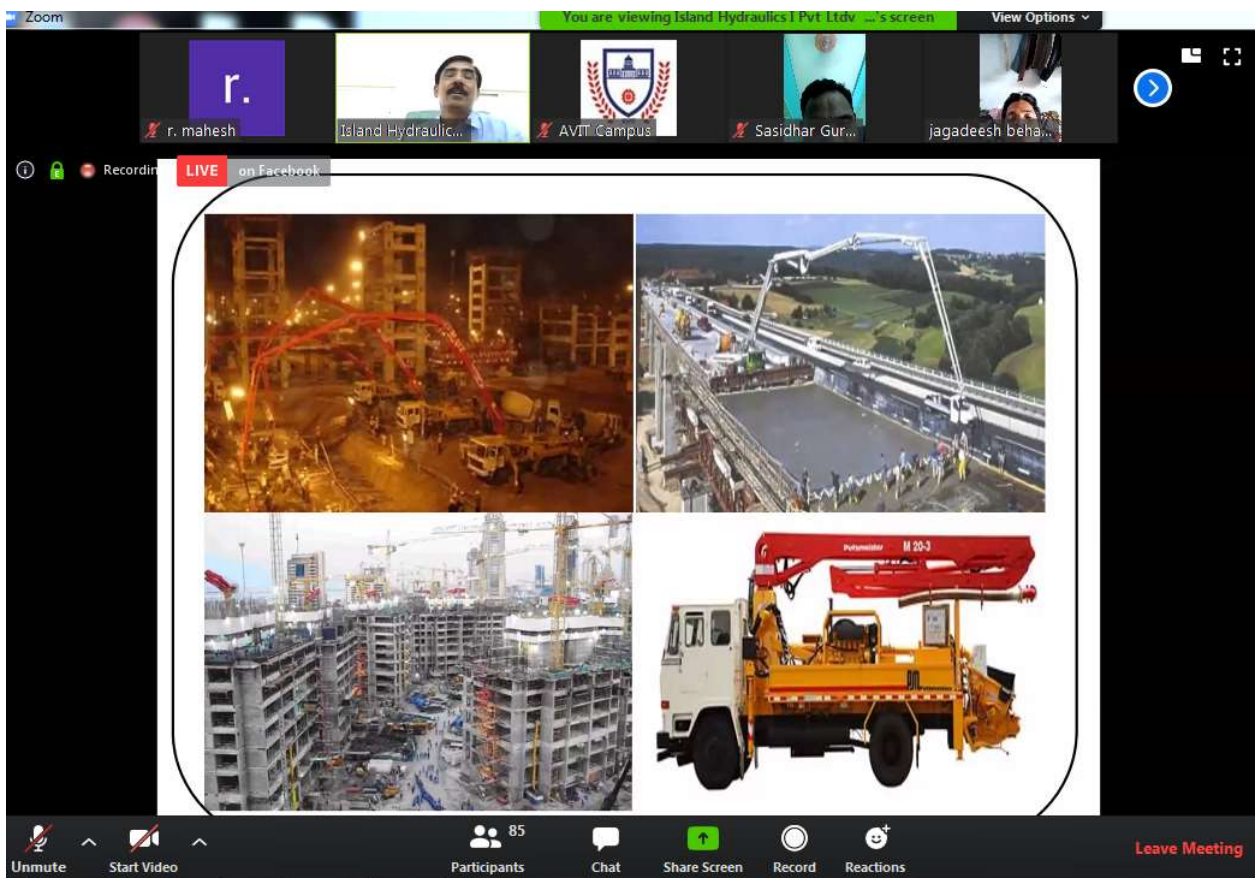
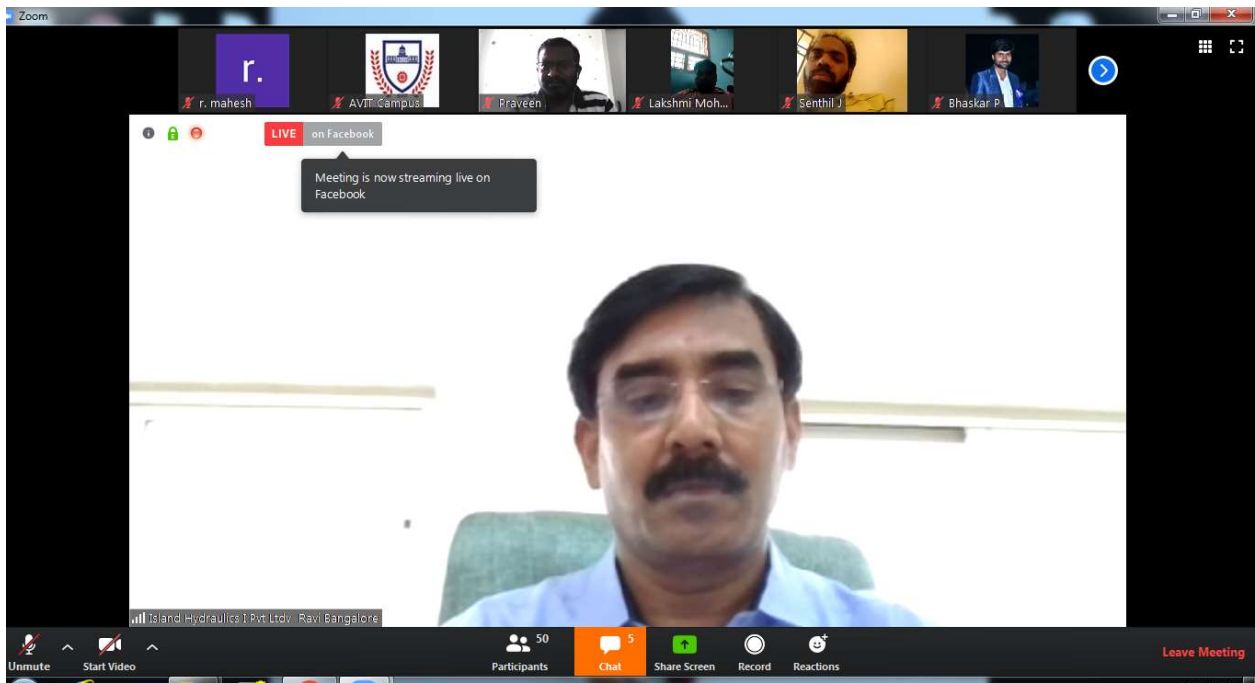
Department of Mechanical Engineering , Institution Innovation Council (IIC) and Centre for Industry Relations – CIR, AVIT in association with Energy and Fuel Users' Association (ENFUSE) jointly organized a webinar titled “Basic - Advanced Hydraulics” on 06.05.2020 for the Faculty and students of Engineering and Technology of all Branches. The total no. of registration was 207 Participants, out of which 126 - Internal Participants & 81 were External Participants. The registered participants include 62 Faculty Members / Research Scholars, 139 Students & 6 Industry Professionals.

The Expert speaker Mr. Ravichandran, Managing Director, Island Hydraulics, had briefed about the importance of Forces acting into the piston, Differences between positive displacement and non-positive displacement , Construction of Pumps , Various control valves required for proper functioning by the hydraulics system, primary function of fluid in an fluid power system and advantages of hydraulics.

### **Webinar Outcome:**

The lecture was informative and technical oriented. The guest speaker explained the concept of Open loop and closed loop system, Working of valves and pistons in Automobiles, Agriculture machines and Offload vehicles, Construction of Pump and designing of cylinders in brief. He also emphasized the importance of recent trends in Hydraulics and Automations.

Event Photos:



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## CLOSED LOOP vs. OPEN LOOP

pressure line Return line pressure line Return line

pressure line Return line inlet

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