



**UNIVERSITY OF MAURITIUS**  
**Faculty of Engineering**  
**Mechanical and Production Engineering Department**

**SHORT COURSE**  
**Fluid mechanics for Electrical Engineers,  
Technologists and Managers**

**SHORT  
COURSE**  
**MQA  
APPROVED**



**Resource person:**

Dr B.Y.R. Surnam, RPEM, FIEM  
Post Doc (TAMU, USA)  
Associate Professor  
Mechanical and Production Eng. Dept  
University of Mauritius

**Course duration:** 12 hours  
(29 and 30 August 2025)

**Course fees:** Rs 8000

**Target audience:** Electrical engineers,  
trainee engineers (of any field), other  
engineers, managers, technologists and  
people with scientific and/or technical  
background,...

**For more information, please contact the resource person:**

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**Course Objectives / Learning Outcomes**

1. To understand and apply the **Bernoulli's equation** in situations involving **pipes, conduits and open channels** with **case studies**.
2. To perform calculations involving **flow in pipes (series and parallel)**.
3. To perform **pump calculations** involving **pump and system curves** and **use of pumps in series and parallel**.