

# MONTHLY BULLETIN

## TURBINE TESTING LAB

### JUNE, 2024

**Factory Acceptance Test** of the model Francis turbine fabricated at PTM Industrier, Norway was carried out on June 3-7. The turbine will be dispatched from the company in July.



During the Factory Acceptance Test at PTM Industrier, Norway



Final defense of Mr. Pawan Bijukchhe

Completion of **Masters by Research** of Mr. Pawan Lal Bijukchhe on the topic, "Performance Evaluation of Variable Speed Francis Turbine with Sediments in Flow": Final defense completed on June 16

**Continuation of the In-house training on OpenFoam:** A special session on Dynamic Meshing with OpenFoam was conducted on June 30 from the guest lecturer **Dr. Thaw Tar**



Online session of Dynamic Meshing on OpenFoam

#### **Publications:**

- A Bhattarai, A Gupta, A Kafle, P Sapkota, S Chitrakar, O G Dahlhaug, and S Pradhan (2024). [Application of Machine Learning Algorithm for Fault Detection in Pump](#). Proceedings of the UNIFIED Conference of DAMAS, InCoME and TEPEN Conferences (UNIFIED 2023)
- Ravi Poudel, Junde Shi, Zilong Zhao, Zhongdong Qian, Zhiwei Guo, Sailesh Chitrakar, and Bhola Thapa (2024). [Experimental study of the effects on performance of Francis turbine due to sediments in flow](#). J. Phys.: Conf. Ser. 2752 012207