



ME DEPARTMENT



Sant Longowal Institute of Engineering and Technology, Longowal

Facilities created under Research Project sponsored by AICTE, New Delhi

Title of Project: “Development of fault identification system for water turbine making use of vibration signal and artificial intelligence”

Approval: File No. 8-29/RIFD/RPS-NDF/Policy-1/2018-19

Cost of Project: Rs. 17, 00,000/-

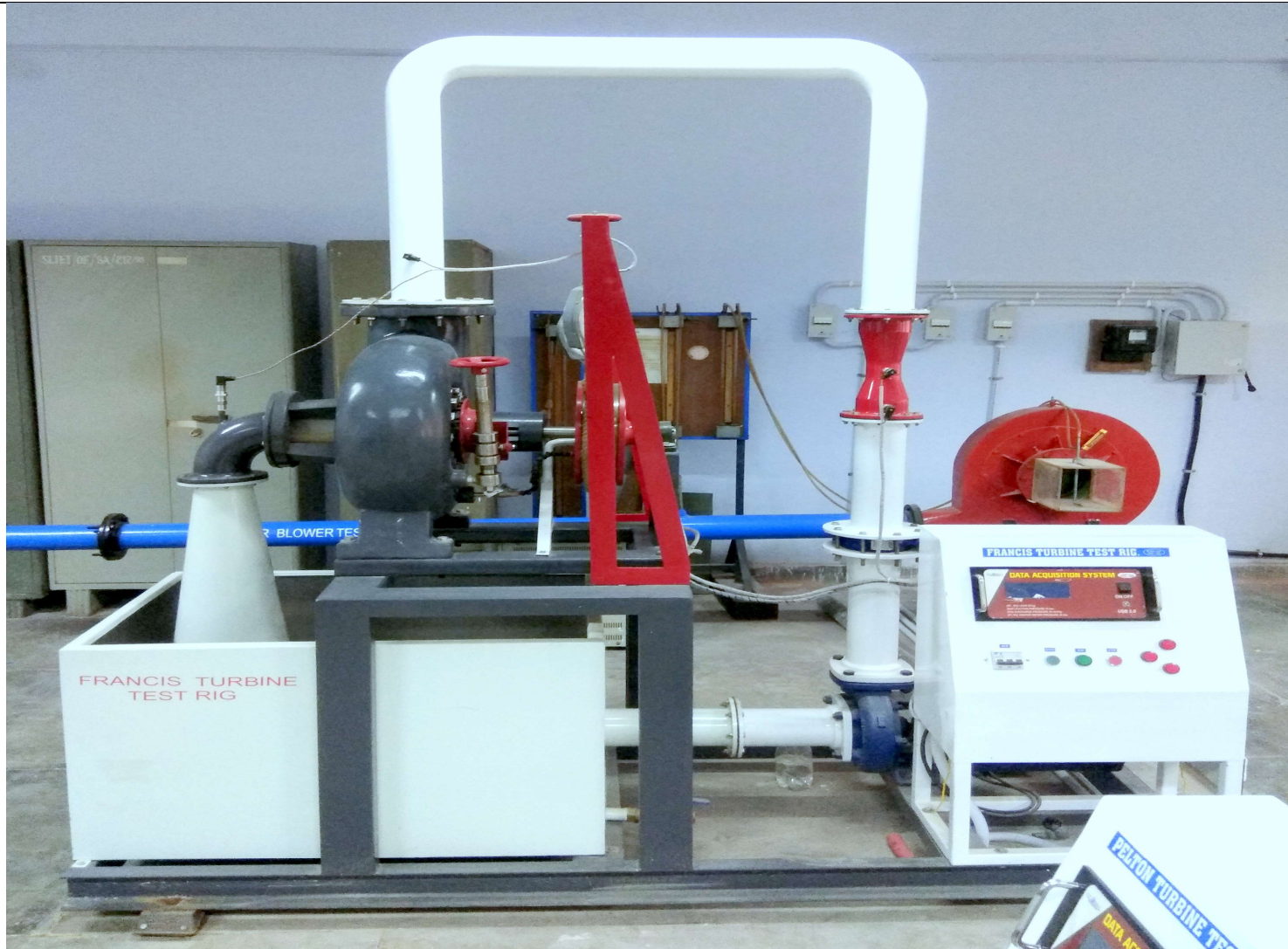
Duration: 2019-2022 (3 years)

Principal Investigator: Prof. Rajesh Kumar

Team Members: Er. Govind Vashishtha, Er. Surinder Kumar and Dr. R.K. Yadav

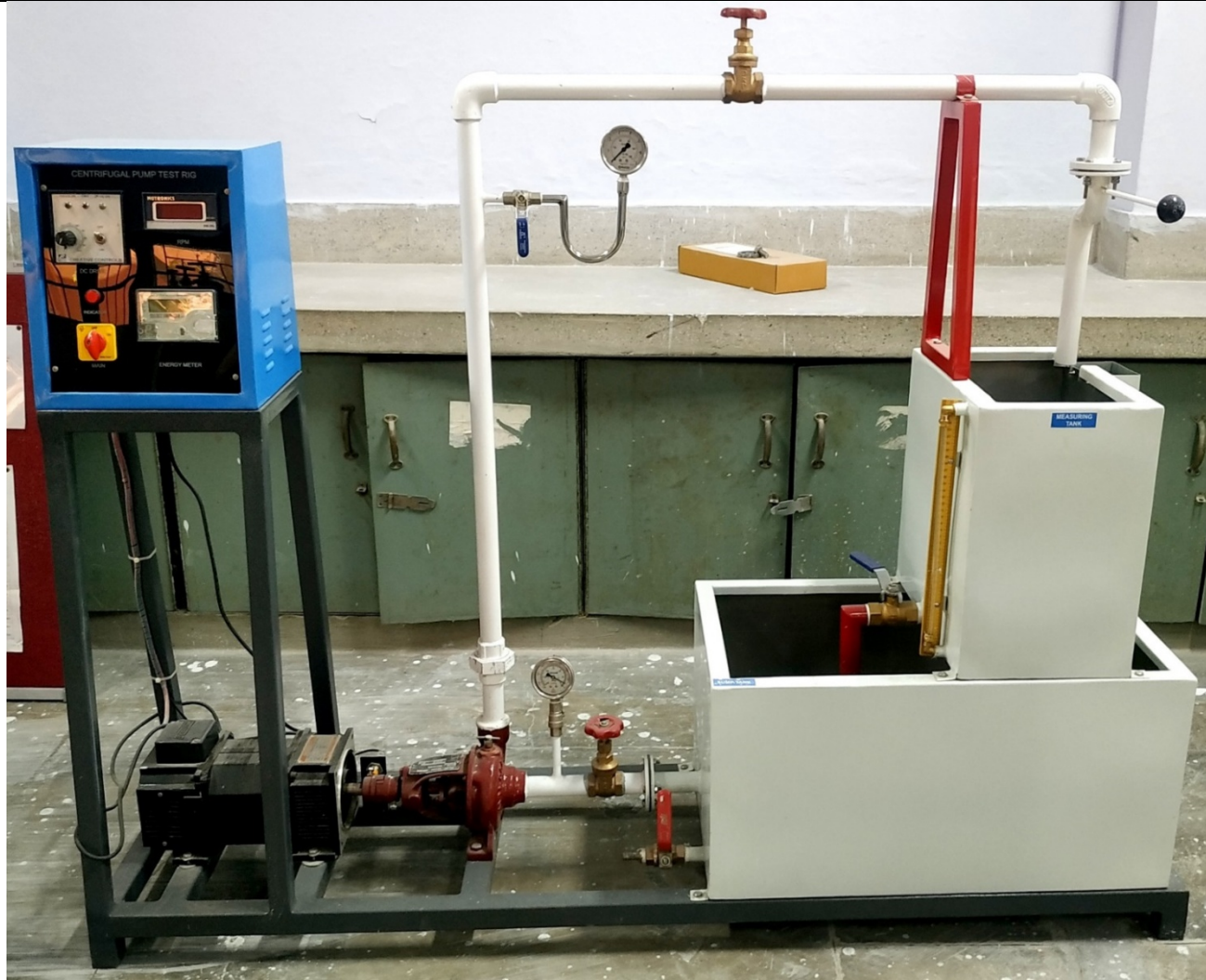
S.No.	Description
1.	
	Equipment Name: Pelton wheel test rig with data logging facility

2.



Equipment Name: Francis turbine test rig with data logging facility

3.



Equipment Name: Test rig of centrifugal pump

4.



Component Name: Pressure sensor (Model No. 113B26), Coaxial cable (Model No. 003C20)

5.



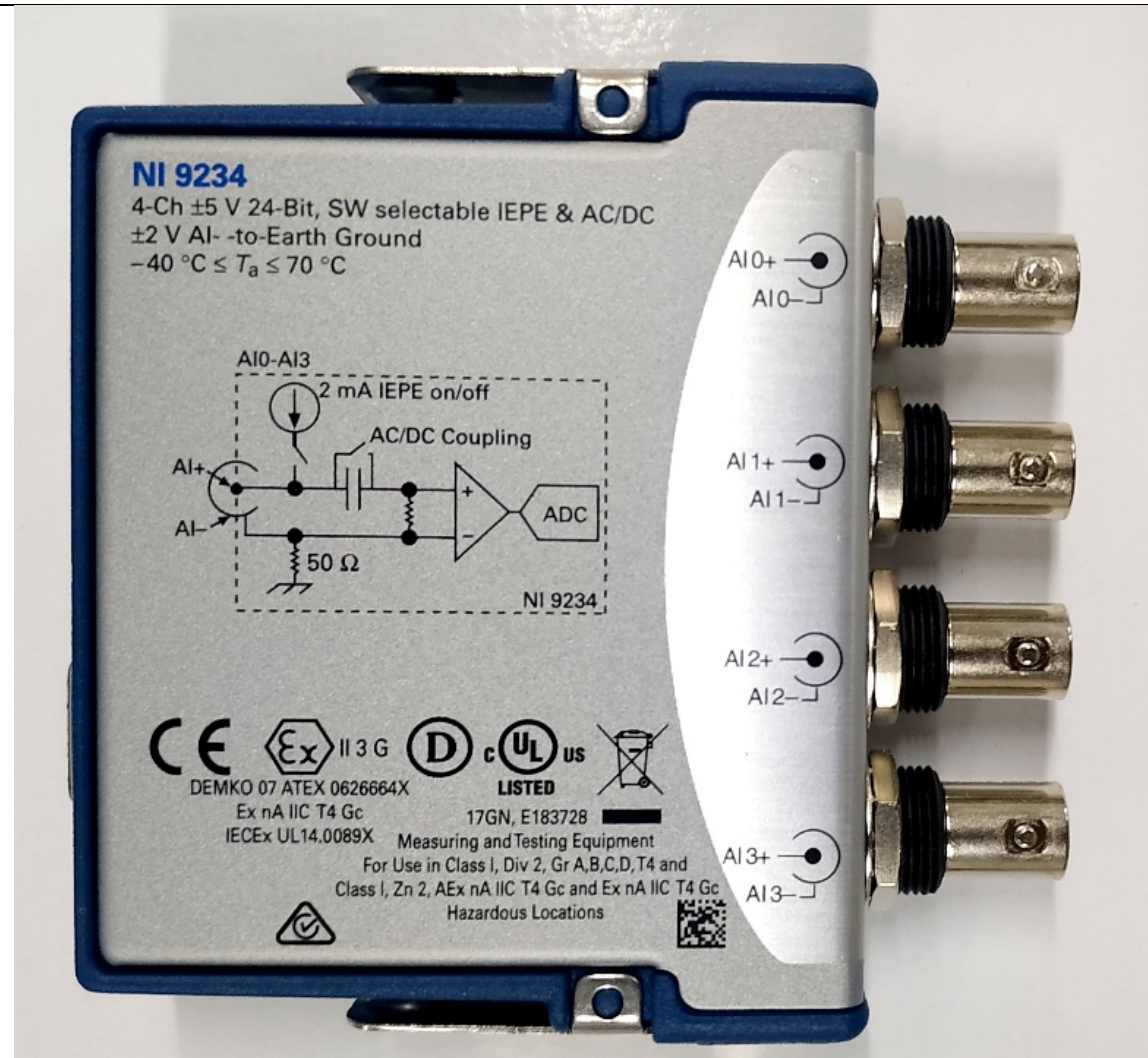
Component Name: Uni-axial accelerometer (Model No. 352C33), Coaxial cable (Model No. 003C20)

6.



Component Name: Tri-axial accelerometer (Model No. 356B18), Cable (Model No.C34G20)

7.



Component Name: NI-9234 DAQ Sound Vibrations input module (Part No. 779580-03)

8.



Component Name: NI 9237 DAQ Strain/Bridge input Module (Part No. 780264-02)

9.



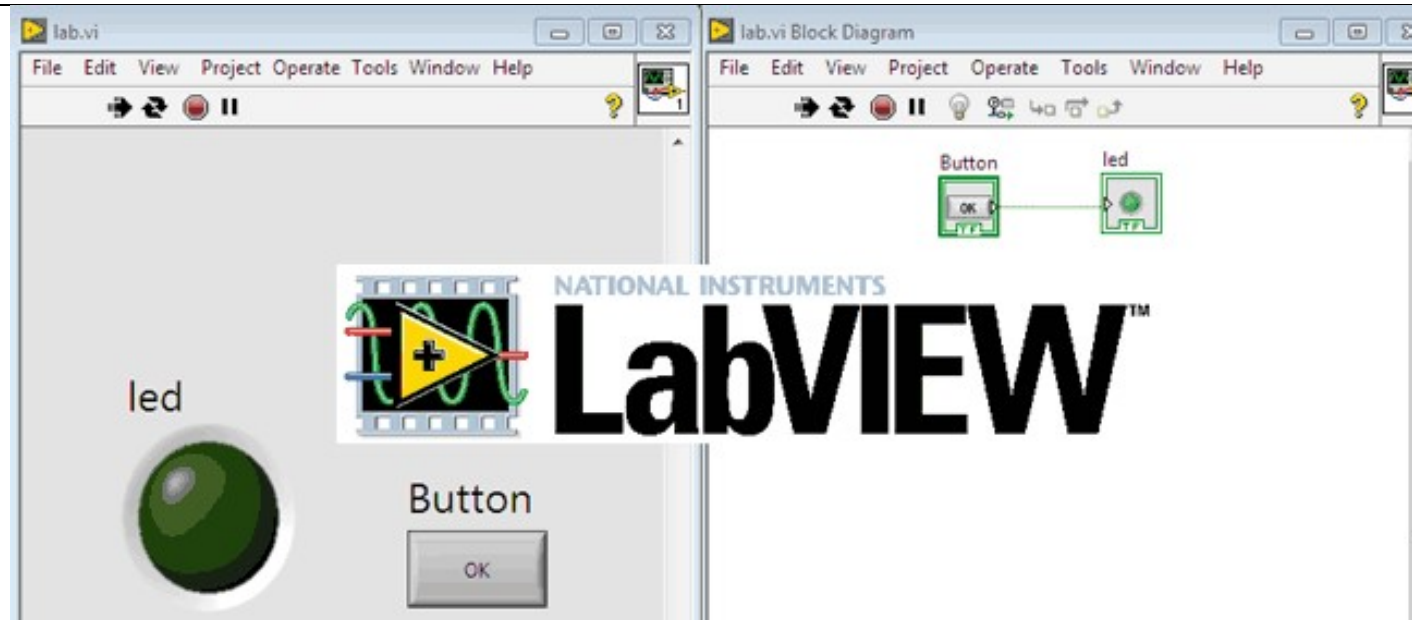
Component Name: N19923 Front-mount terminal block (Part no.781503-01),
BNC Male to MNC Male Cable (Part No.17969742)

10.



Component Name: CDAQ-9178 Chassis(Part no. 781155-01), Power Cord
(Part No. 753072-01)

11.



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