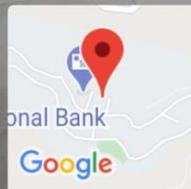
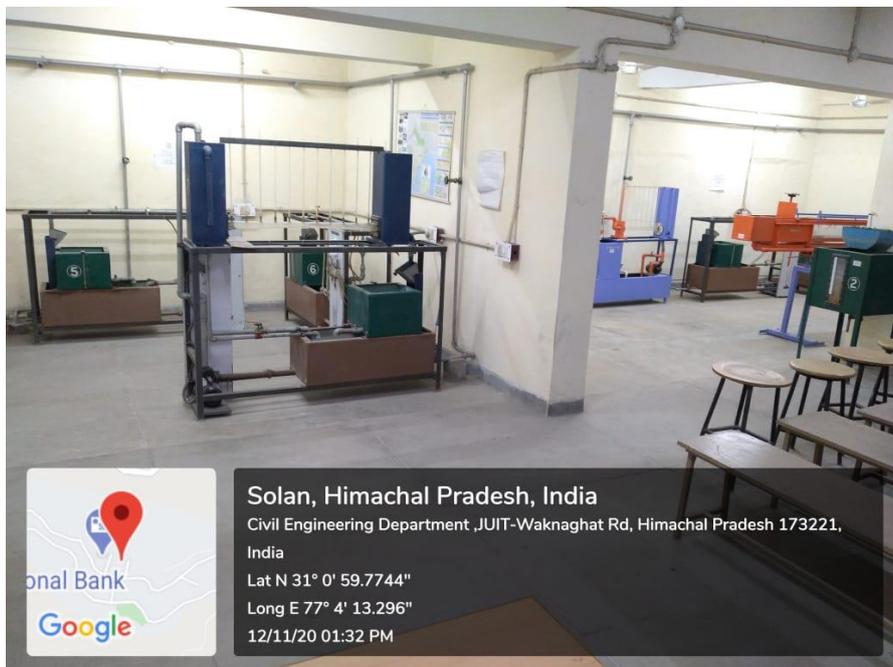


Fluid Mechanics Laboratory

Purpose: To familiarize students about the usage and working principles of different theories of Fluid Mechanics, and to practically calculate various parameters.

S. No.	Experiment Name	Equipment Used
1	Verification of Bernoulli's Theorem	Bernoulli's Theorem Apparatus
2	Determination of Frictional Losses in Pipes	Pipe friction apparatus
3	Determination of Minor Losses in Pipe	Apparatus for determining of minor losses in pipe & pipe fittings
4	Reynolds Dye Experiment for Flow Characterization	Reynolds Apparatus
5	Calibration of Venturi meter	Venturi meter Test Apparatus
6	Calibration of V- Notch and Rectangular Notch	Open Channel Flume 3Mtr
7	Calibration of Orifice meter	Orifice meter test rig
8	Determination of Metacentric Height	Metacentric height apparatus
9	Determination of C_c , C_v and C_d of an Orifice	Apparatus for conducting orifice experiments (C_d , C_c , C_v)
10	Verification of Momentum Theorem	Impact of Jet apparatus
11	To calibrate the pitot tube and determine the pitot tube co-efficient	Open Channel Flume 3Mtr



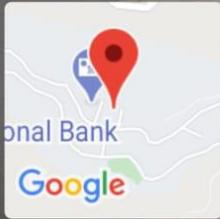
Solan, Himachal Pradesh, India

Civil Engineering Department ,JUIT-Waknaghat Rd, Himachal Pradesh 173221, India

Lat N 31° 0' 59.7744"

Long E 77° 4' 13.296"

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Solan, Himachal Pradesh, India

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India

Lat N 31° 0' 59.7744"

Long E 77° 4' 13.296"

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VENTURIMETER & PIPE FRICTION



Waknaghat, Himachal Pradesh, India

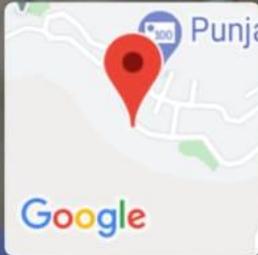
Civil Engineering Department , JUIT-Waknaghat , Waknaghat,
Himachal Pradesh 173221, India

Lat N 31° 0' 57.1752"

Long E 77° 4' 9.786"

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ORFICE METER



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Himachal Pradesh 173221, India

Lat N 31° 0' 57.1752"

Long E 77° 4' 9.786"

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OPEN CHANNEL FLUME



Waknaghat, Himachal Pradesh, India

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Himachal Pradesh 173221, India

Lat N 31° 0' 57.1752"

Long E 77° 4' 9.786"

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METACENTRIC HEIGHT APPARATUS



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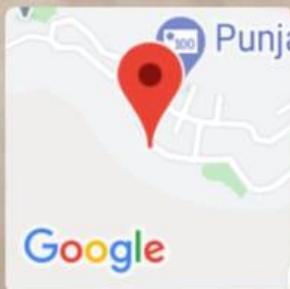
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Himachal Pradesh 173221, India

Lat N 31° 0' 57.1752"

Long E 77° 4' 9.786"

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BERNOULLI'S THEOREM APPARATUS



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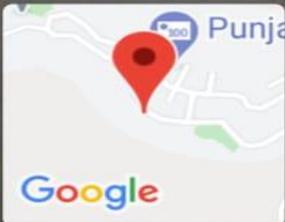
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APPARATUS FOR Cd, Cc & Cv



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