

MECHANICAL ENGINEERING DEPARTMENT

B.E. 4th SEMESTER

**SUBJECT: FLUID MECHANICS AND
HYDRAULIC MACHINES**

SUBJECT CODE: 3141906

Sr.No.	Topic	Link	By
1	Fluids and Their Properties:	https://youtu.be/fa0zHI6nLUo https://youtu.be/rr8LAljAeMs https://youtu.be/SAQhiYyXY0M	Prof. SK Som NPTEL
2	Static Forces on Surface and Buoyancy:	https://youtu.be/vXPtNNLEOUc https://youtu.be/IM7CDFNHHDY https://youtu.be/bmcuR1tpyKw https://youtu.be/y1p9MfRZsh8 https://youtu.be/qFOD10Qt4rg https://youtu.be/1XUWMrDP3TY	
3	Motion of Fluid Particles and Streams:	https://youtu.be/5H0euuo1PGQ https://youtu.be/zWfN21s1R7w https://youtu.be/0HT0OZIGUS0	
4	The Energy Equation and its Application:	https://youtu.be/cFU3rcqaFU8 https://youtu.be/q3Xm0INDyn8 https://youtu.be/NH6fDKPNjMk https://youtu.be/2ntjodEWTUU https://youtu.be/nftfzCxQKfk https://youtu.be/jReoVEAqkiA https://youtu.be/m1fkOJoi-SU https://youtu.be/yOdmPfr5vGA	Prof. Suman Chakroborty NPTEL
5	Dimensional Analysis and similarities	https://youtu.be/upPRVzGdLkQ https://youtu.be/G3B35vrHFxk	
6	Viscous Flow and Turbulent Flow	https://youtu.be/ZAb1J6sX23c https://youtu.be/eQokvQJ043M https://youtu.be/CVShyIrvieg https://youtu.be/dgIOpxg0Tfs https://youtu.be/SGKYYPtrhD8	Prof. SK Som NPTEL
7	Flow Through Pipes	https://youtu.be/pMOGINN8tp0	Vikas Sir Gradeup
8	Impact of Jet and Hydraulic Turbines:	https://www.youtube.com/watch?v=l62uuJZ_1-4 https://www.youtube.com/watch?v=nfK0mc_qweU https://www.youtube.com/watch?v=B8_x1hXAbI4	Prof. Keval Suthar

		https://www.youtube.com/watch?v=LVDS_o1WBzA https://www.youtube.com/watch?v=StpFLTLTyz8 https://www.youtube.com/watch?v=QRO56StlfHw	
9	Centrifugal Pumps	https://www.youtube.com/watch?v=9S4T8nFE0F8	Prof. Keval Suthar
10	Hydraulic Machines	https://www.youtube.com/watch?v=rE-47s9tvge	Prof. Keval Suthar