B-Tech Second Year Civil Subject: Concrete Technology		
SR NO.	**NAME OF EXPERIMENT**	**LINKS**
1	**Test on cement**	
	A) Determination of fineness and consistency/specific gravity of cement.	https://ms-nitk.vlabs.ac.in/exp/cement-and-aggregates/
	B) Determination of initial and final setting times of cement.	https://ms-nitk.vlabs.ac.in/exp/time-of-cement/
2	**Test on Aggregates**	
	A) Determination of fineness modulus of coarse and fine aggregates.	https://ms-nitk.vlabs.ac.in/exp/fineness-modulus-of-aggregates/
	H) Specific gravity test	https://ms-nitk.vlabs.ac.in/exp/cement-and-aggregates/
3	**Test on concrete**	
	A) Workability tests: slump cone test, compaction factor test	https://ms-nitk.vlabs.ac.in/exp/slump-test/
	B) Determination of compressive and tensile strength of concrete	https://cs-iitd.vlabs.ac.in/exp/cube-test/
	C) Splitting Tensile Test	https://cs-iitd.vlabs.ac.in/exp/tensile-strength-test/
4	**Mix Design of concrete by IRC:44-2017/IS Code method**	https://ms-nitk.vlabs.ac.in/exp/concrete-mix-design/

B-Tech Second Year Civil Subject: Basic Survey		
SR NO.	**NAME OF EXPERIMENT**	**LINKS**
1	Profile levelling for minimum 500 m length and Plotting of L-section & cross section of road on A1 size sheet	https://sl-iitr.vlabs.ac.in/exp/exp-profile-levelling-method-iitr/
2	Block contouring for minimum 200x200 m area and Plotting of contour map on A1 size sheet	https://sl-iitr.vlabs.ac.in/exp/contouring/

B-Tech Second Year Civil Subject:Engineering Geology		
SR NO.	**NAME OF EXPERIMENT**	**LINKS**
1	Study of physical properties of minerals	https://mg-nitk.vlabs.ac.in/exp/properties-of-rocks/
2	Study of different group of minerals.	https://mg-nitk.vlabs.ac.in/exp/identification-of-minerals/
3	Study of dip and strike of faults/ folds	https://mg-nitk.vlabs.ac.in/exp/dip-and-strike/

4	Logging of drill core and interpretation of drilling data with graphical representation of bore log.	https://mg-nitk.vlabs.ac.in/exp/borehole-problems/
5	Identification of rocks (Igneous Petrology):	https://mg-nitk.vlabs.ac.in/exp/identification-of-minerals/

B-Tech Second Year Civil Subject: Fluid Mechanics		
SR NO.	**NAME OF EXPERIMENT**	**LINKS**
1	Calibration of notch.	https://fm-nitk.vlabs.ac.in/exp/calibration-of-v-notch/
2	Calibration of Venturimeter	https://fm-nitk.vlabs.ac.in/exp/venturimeter/
3	Study of Impact of jet.	https://fm-nitk.vlabs.ac.in/exp/impact-of-jet/
4	Determination of pipe flow losses.	https://fm-nitk.vlabs.ac.in/exp/friction-in-pipes/
5	Study of laminar/turbulent flow in Reynolds apparatus.	https://eerc03-iiith.vlabs.ac.in/exp/reynolds/
6	Verification of Bernoulli's theorem.	https://eerc03-iiith.vlabs.ac.in/exp/bernoullis/
7	Determination of coefficients of Orifice	https://eerc03-iiith.vlabs.ac.in/exp/orifices/
8	Determination of coefficients of Mouthpiece.	https://eerc03-iiith.vlabs.ac.in/exp/mouthpieces/

B-Tech Second Year Civil Subject: Testing of Material		
SR NO.	**NAME OF EXPERIMENT**	**LINKS**
1	Torsion test on mild steel rod.	https://sm-nitk.vlabs.ac.in/exp/torsion-test-mild-steel/
2	To determine impact strength of steel by izod test.	https://sm-nitk.vlabs.ac.in/exp/izod-impact-test/
3	To determine tensile strength of metals	https://sm-nitk.vlabs.ac.in/exp/tensile-test-mild-steel/
4	Shear test on metals	https://sm-nitk.vlabs.ac.in/exp/direct-shear-test-steel-rod/
5	To determine impact strength of steel by charpy test.	https://sm-nitk.vlabs.ac.in/exp/charpy-impact-test/