DEPARTMENT OF PHYSICS

List of the virtual experiments to be performed by the students of

B.Sc.-I (Semester-I)

From the link of virtual lab provided

Sr. No.	Experiment	Link	Note
1	❖ **Use the screw gauge**; • To measure the diameter of the given lead shot. • To measure the diameter of a given wire and find its volume. • To measure the thickness of a given glass plate and find its volume. • To measure the volume of an irregular lamina. ❖ **Use the Vernier Calipers.** • To measure the diameter of a small spherical / cylindrical body. • To measure the length, width and height of the given rectangular block. • To measure the internal diameter and depth of a given beaker/calorimeter and hence find its volume.	http://amrita.olabs.edu.in/?sub=1&brch=5&sim=156&cnt=1 http://amrita.olabs.edu.in/?sub=1&brch=5&sim=16&cnt=1	You can directly accessthisexperiment from thegiven link
2	To find the Young's modulus of the given material bar by non-uniform bending using pin and microscope method.	https://vlab.amrita.edu/?sub=1&brch=280&sim=1509&cnt=1	You have to register first to Amrita Virtual Lab to access this expt.
3	To determine: The acceleration g of gravity using a compound pendulum.	https://vlab.amrita.edu/?sub=1&brch=280&sim=210&cnt=1	You have to register first to Amrita Virtual Lab to access this expt.
4	To determine g, the acceleration of gravity at a particular location using Kater's Pendulum	https://vlab.amrita.edu/?sub=1&brch=280&sim=518&cnt=1	You have to register first to Amrita Virtual Lab to access this expt.
5	To determine the moment of inertia of the given disc using Torsion pendulum, with identical masses.	https://vlab.amrita.edu/?sub=1&brch=280&sim=194&cnt=4	You have to register first to Amrita Virtual Lab to access this expt.

Sr. No.	Experiment	Link	Note
6	To determine the rigidity modulus of the material of a given cylindrical rod through telescope and scale method.	https://vlab.amrita.edu/?sub=1&brch=280&sim=602&cnt=1	You have to register first to Amrita Virtual Lab to access this expt.
7	To find the velocity of sound waves in agiven rod with Kundt's tube apparatus.	https://vlab.amrita.edu/?sub=1&brch=201&sim=853&cnt=1	You have to register first to Amrita Virtual Lab to access this expt.
8	To determine the rigidity modulus of the suspension wire using torsion pendulum.	https://vlab.amrita.edu/?sub=1&brch=280&sim=1518&cnt=1	You have to register first to Amrita Virtual Lab to access this expt.
9	To determine the coefficient of viscosity of a given viscous liquid by measuring terminal velocity of a given spherical body.	http://amrita.olabs.edu.in/?sub=1&brch=5&sim=225&cnt=4	You have to register first to Amrita Virtual Lab to access this expt.
10	To determine the angular acceleration α and torque τ of flywheel.	https://vlab.amrita.edu/?sub=1&brch=74&sim=1517&cnt=1	You have to register first to Amrita Virtual Lab to access this expt.
11	To determine the surface tension of a liquid by capillary rise method.	http://amrita.olabs.edu.in/?sub=1&brch=5&sim=224&cnt=554	You have to register first to Amrita Virtual Lab to access this expt.

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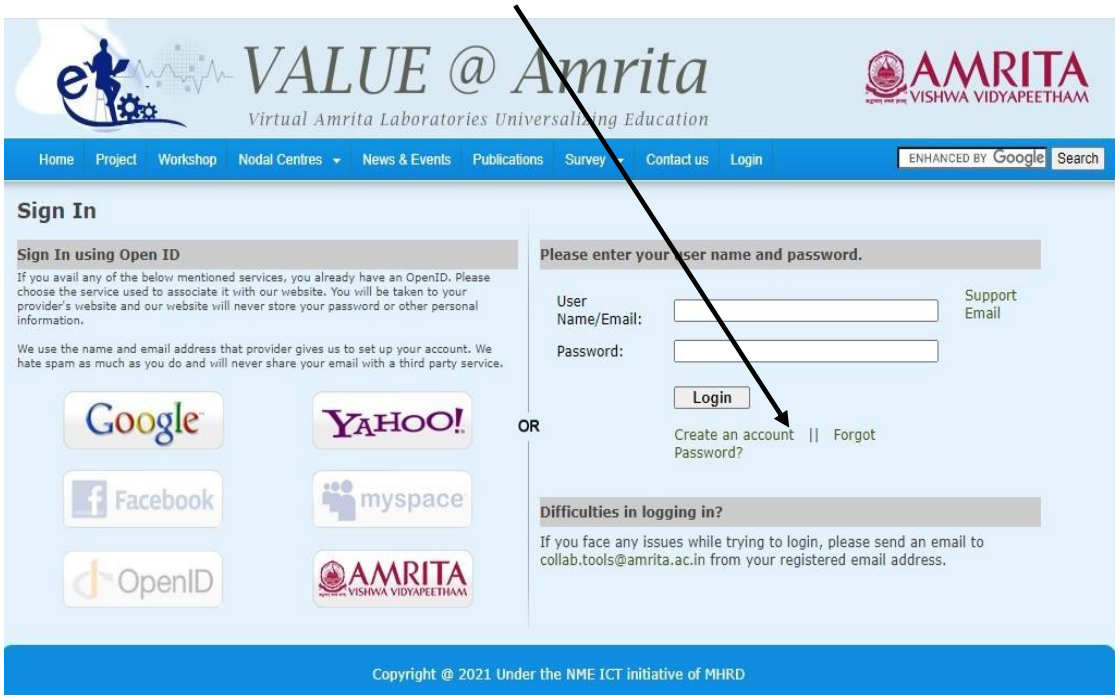
Procedure to Register for Amrita Virtual Lab

1) GO TO https://vlab.amrita.edu/

2) CLICK ON Login

3) CLICK ON Create an account



4) Enter Your Details in The Given Fields

5) GO BACK and LOGIN WITH YOUR E-mail ID and Password.