



Shri Shivaji Education Society Amravati's
SHRI SHIVAJI SCIENCE AND ARTS COLLEGE
CHIKHLI, DIST. BULDANA (MS).



॥ ज्ञानम् परम् ध्येयम् ॥

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	<ul style="list-style-type: none">❖ Use the screw gauge;<ul style="list-style-type: none">• 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.<ul style="list-style-type: none">• 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.	<p>http://amrita.olabs.edu.in/?sub=1&brch=5&sim=156&cnt=1</p> <p>http://amrita.olabs.edu.in/?sub=1&brch=5&sim=16&cnt=1</p>	You can directly access this experiment from the given 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.

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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**

Developed @
Amrita Vishwa Vidyapeetham

Inspiration and Guiding Light, Amma
Sri Mata Amritanandamayi Devi
Chancellor, Amrita Vishwa Vidyapeetham

Download Brochure

Virtual Labs at Amrita Vishwa Vidyapeetham

Biotechnology and Biomedical Engineering
Neurophysiology, Cell biology, Immunology Lab, Microbiology, Molecular Biology, Population Ecology, Biochemistry Virtual Labs...

Chemical Sciences
Physical Chemistry, Organic Chemistry, Inorganic Chemistry Virtual Labs...

Physical Sciences
Mechanics, Thermodynamics, Optics, Electricity and Magnetism, Basic Electric Circuits, Modern Physics Virtual Labs...

Computer Science
Wireless Sensor Network, Remote Triggered Lab

News just in...

Top 5 Nodal centres in India, based on Virtual Lab usage

Nodal Coordinator details update form

- 3) CLICK ON **Create an account**

Sign In

Sign In using Open ID
If you avail any of the below mentioned services, you already have an OpenID. Please choose the service used to associate it with our website. You will be taken to your provider's website and our website will never store your password or other personal information.
We use the name and email address that provider gives us to set up your account. We hate spam as much as you do and will never share your email with a third party service.

Please enter your user name and password.

User Name/Email: Support Email

Password:

Login

[Create an account](#) || [Forgot Password?](#)

Difficulties in logging in?
If you face any issues while trying to login, please send an email to collab.tools@amrita.ac.in from your registered email address.

www.ssesa.org www.shivajichk.ac.in email: shivajichk@rediff.com

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4) Enter Your Details in The Given Fields

Registration

Enter your details

Email id: *

Confirm Email id: *

Password: *

Confirm Password: *

First Name:

Last Name:

Age Group:

Gender: Male Female

Phone Number:

Profession:

College:

Subject:

University:

Country:

State:

Please use your existing account.

If you avail any of the below mentioned services, you already have an OpenID. Please choose the service used to associate it with our website. You will be taken to your provider's website and our website will never store your password or other personal information.

We use the name and email address that provider gives us to set up your account. We hate spam as much as you do and will never share your email with a third party service.

OR

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