



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



॥ ज्ञानम् परम् ध्येयम् ॥

DEPARTMENT OF PHYSICS

List & Links of the virtual experiments to be performed by the students of
B.Sc.-II (Semester-VI)

Sr. No.	Experiment	Link	Note
1	To Determine Energy Band Gap of Semiconductor	https://bop-iitk.vlabs.ac.in/exp/energy-band-gap/index.html	You directly access this expt. from the given link
2	To plot the characteristics of thermistor and hence find the temperature coefficient of resistance.	https://vlab.amrita.edu/?sub=1&brch=282&sim=1511&cnt=1	You have to register first to Amrita Virtual Lab to access this expt.
3	To study various crystals structures.	https://vlab.amrita.edu/?sub=1&brch=282&sim=370&cnt=1	You directly access this expt. from the given link
4	To study the phenomena of magnetic hysteresis and calculate the retentivity,coercivity and saturation magnetization of a material	https://vlab.amrita.edu/?sub=1&brch=282&sim=1507&cnt=1	You directly access this expt. from the given link
5	To determine the resistivity of semiconductors by Four probe Method.	https://vlab.amrita.edu/?sub=1&brch=282&sim=1512&cnt=1	You have to register first to Amrita Virtual Lab to access this expt.
6	To construct a Zener diode voltage regulator and measure its line and load regulation.	https://vlab.amrita.edu/?sub=1&brch=282&sim=1207&cnt=1	You have to register first to Amrita Virtual Lab to access this expt.
7	To verify the relation between thermo emf of a thermocouple and temperature difference between two hot junctions.	https://vlab.amrita.edu/?sub=1&brch=194&sim=351&cnt=1	You have to register first to Amrita Virtual Lab to access this expt.
8	Determination of Planck's Constant by Photocell	https://vlab.amrita.edu/?sub=1&brch=195&sim=547&cnt=4	You have to register first to Amrita Virtual Lab to access this expt.
9			You have to register first to Amrita Virtual Lab to access this expt.
10			You have to register first to Amrita Virtual Lab to access this expt.

Mr. N. B. Thakare

Assistant Professor & Head

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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.

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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: --Select--

Gender: Male Female

Phone Number:

Profession: --Select--

College:

Subject:

University:

Country: --Select--

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.