Shri Shivaji Education Society Amravati's

SHRI SHIVAJI SCIENCE AND ARTS COLLEGE
CHIKHLI, DIST. BULDANA (MS).

DEPARTMENT OF PHYSICS

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

B.Sc.-II (Semester-VI)

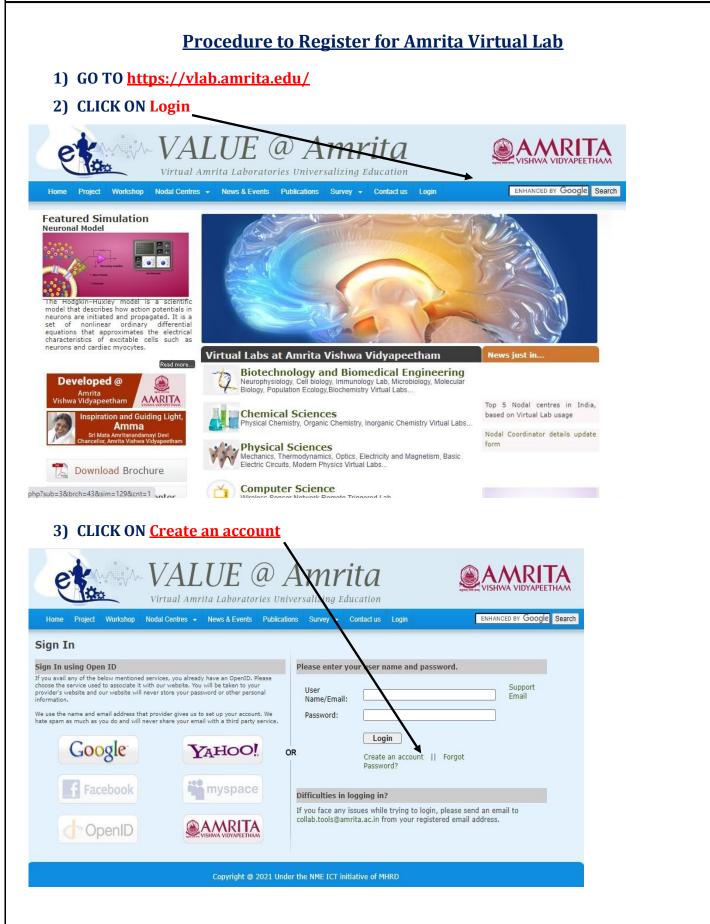| Sr. No.	Experiment	Link	Note
1	To Determine Energy Band Gap of Semiconductor	https://bop-iitk.vlabs.ac.in/exp/energy-band-gap/index.html	You directly access this expt. from the given link
2	To plot the characteristics of thermistor and hence find the temperature coefficient of resistance.	https://vlab.amrita.edu/?sub=1&brch=282&sim=1511&cnt=1	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.

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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**

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4) Enter Your Details in The Given Fields

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