

## 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.ScII | (Semester-VI) |
|--------|---------------|
|--------|---------------|

| Sr. | Experiment   | Link  | Note  |
|-----|--|---|---|
| No. |  |   |   |
| 1   | To Determine Energy Band Gap of<br>Semiconductor   | https://bop-<br>iitk.vlabs.ac.in/exp/energy<br>-band-gap/index.html | You directly access this<br>expt. from the given<br>link                    |
| 2   | To plot the characteristics of<br>thermistor and hence find the<br>temperature coefficient of resistance.                                  | https://vlab.amrita.edu/?s<br>ub=1&brch=282∼=151<br>1&cnt=1         | You have to register<br>first to Amrita Virtual<br>Lab to access this expt. |
| 3   | To study various crystals structures.  | https://vlab.amrita.edu/?su<br>b=1&brch=282∼=370&c<br>nt=1          | You directly access this<br>expt. from the given<br>link                    |
| 4   | To study the phenomena of magnetic<br>hysteresis and calculate the<br>retentivity,coercivity and saturation<br>magnetization of a material | https://vlab.amrita.edu/?su<br>b=1&brch=282∼=1507&<br>cnt=1         | You directly access this<br>expt. from the given<br>link                    |
| 5   | To determine the resistivity of semiconductors by Four probe Method.   | https://vlab.amrita.edu/?su<br>b=1&brch=282∼=1512&<br>cnt=1         | You have to register<br>first to Amrita Virtual<br>Lab to access this expt. |
| 6   | To construct a Zener diode voltage<br>regulator and measure its line and<br>load regulation.   | https://vlab.amrita.edu/?s<br>ub=1&brch=282∼=120<br>7&cnt=1         | You have to register<br>first to Amrita Virtual<br>Lab to access this expt. |
| 7   | To verify the relation between<br>thermo emf of a thermocouple and<br>temperature difference between two<br>hot junctions.                 | https://vlab.amrita.edu/?s<br>ub=1&brch=194∼=351<br>&cnt=1          | You have to register<br>first to Amrita Virtual<br>Lab to access this expt. |
| 8   | Determination of Planck's Constant<br>by Photocell   | https://vlab.amrita.edu/?s<br>ub=1&brch=195∼=547<br>&cnt=4          | You have to register<br>first to Amrita Virtual<br>Lab to access this expt. |
| 9   |  |   | You have to register<br>first to Amrita Virtual<br>Lab to access this expt. |
| 10  |  |   | You have to register<br>first to Amrita Virtual<br>Lab to access this expt. |

Mr. N. B. Thakare

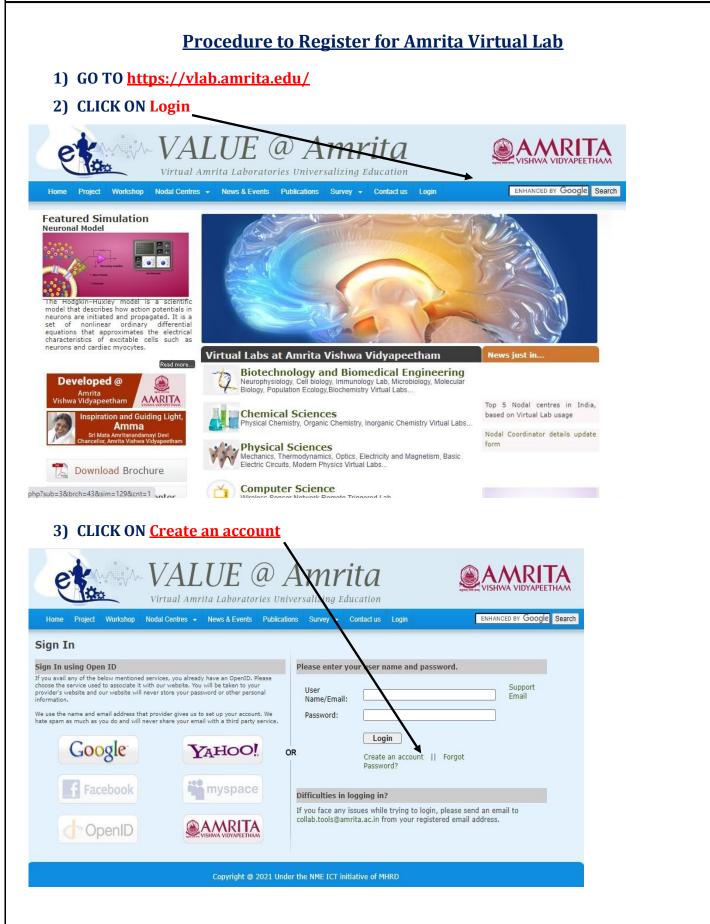
Assistant Professor & Head Shri Shivaji Science & Arts College, Chikhli, Dist. Buldana

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