



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-II)

| Sr. No. | Experiment | Link | Note |
|---------|---|---|--|
| 1 | To determine unknown resistance using Carry Foster bridge. | https://vlab.amrita.edu/?sub=1&brch=192&sim=346&cnt=1 | You have to register first to Amrita VirtualLab to access this expt. |
| 2 | To determine the coefficient of thermal conductivity of a bad conductor using Lee's disc apparatus. | https://vlab.amrita.edu/?sub=1&brch=194&sim=353&cnt=1 | You have to register first to Amrita VirtualLab to access this expt. |
| 3 | Verification of Thevenin's Theorem | https://vlab.amrita.edu/?sub=1&brch=75&sim=313&cnt=1 | You have to register first to Amrita VirtualLab to access this expt. |
| 4 | Verification of Norton's Theorem | https://vlab.amrita.edu/?sub=1&brch=75&sim=312&cnt=1 | You have to register first to Amrita VirtualLab to access this expt. |
| 5 | Verification of Kirchhoff's Laws | https://vlab.amrita.edu/?sub=1&brch=75&sim=217&cnt=4 | You have to register first to Amrita VirtualLab to access this expt. |
| 6 | 1. To study the variation in current and voltage in a series LCR circuit 2. To find the resonant frequency of the circuit. | https://vlab.amrita.edu/?sub=1&brch=75&sim=330&cnt=1 | You have to register first to Amrita VirtualLab to access this expt. |
| 7 | To measure the internal resistance of a given primary cell using potentiometer | http://amrita.olabs.edu.in/?sub=1&brch=6&sim=147&cnt=1 | You have to register first to Amrita VirtualLab to access this expt. |
| 8 | To design Series RL circuit and find out the current flowing through each component. | https://vlab.amrita.edu/?sub=1&brch=75&sim=332&cnt=1 | You have to register first to Amrita VirtualLab to access this expt. |
| 9 | To design Series RC circuit and find out the current flowing through each component | https://vlab.amrita.edu/?sub=1&brch=75&sim=328&cnt=1 | You have to register first to Amrita VirtualLab to access this expt. |



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| 10 | To compare the emf's of two given primary cells using a potentiometer | http://amrita.olabs.edu.in/?sub=1&brch=6&sim=231&cnt=1 | You have to register first to Amrita VirtualLab to access this expt. |
| 11 | To verify the laws of resistances in series and parallel. | http://amrita.olabs.edu.in/?sub=1&brch=6&sim=150&cnt=1 | You have to register first to Amrita VirtualLab 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**

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

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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.

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