

Virtual Laboratory (MHRD's Nodal Center)

Distance between higher education institutions and lack of resources makes the students of institutions located in remote and rural areas find it difficult to perform scientific experiments, especially where there is an involvement of sophisticated instruments and equipments. To overcome this situation to some extent the Ministry of Human Resources Development has developed web-based video courses to address the issue through Virtual Teaching and Learning under National Mission on Education (NME). In this back drop the web enabled experiments are designed by the leading higher educational institutes for remote operation. These would help the students in learning basic and advanced concepts through remote experimentation with actually involving the instruments, consumables and living and non-living samples.

Rajah Serfoji Government College (Autonomous) has recently joined the MHRD's Virtual Lab as a nodal center. Through this nodal center, the students and staff members can have remote-access to virtual labs in various disciplines of Science. UG/PG students can watch demonstration and simulation experiments by using the facility. Students can conduct experiments and repeat the experiments virtually by using the login ID and password provided to them. This facility helps them in learning basic and advanced scientific concepts through remote experimentation on various topics. Students, scholars and staff members have free access to virtual tools of learning which include additional web-resources, video-lectures, animated demonstrations and self evaluation. The virtual laboratory is cost effective and eco-friendly since the materials, chemicals, equipment and spaces necessary for real time demonstration and experiments are not required in virtual demonstration.

Log in: http://vlab.amrita.edu/index.php?pg=bindex&bsub=login_page

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