



राजस्थान सरकार



राजकीय विज्ञान महाविद्यालय

सबलपुरा, सीकर (राज.) 332001



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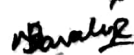
क्रमांक :

दिनांक :

Best Practice 1 (Green Initiative): Green initiatives within and outside the campus have been a significant contribution in raising environmental consciousness. Government Science College, Sikar green initiatives encompass greening the campus, sweeping away wasteful inefficiencies, conservation of energies, correct disposal and handling of waste, purchase of environment friendly supplies and effective recycling program. Approximately 450 plants were planted in the campus and outside the campus. For ensuring the participation of students in developing the greenery and environmental consciousness, students are promoted to plant trees in the neighborhood of their houses. Institute is meeting its energy needs through greener energy initiative as maximum energy requirement of institution is being fulfilled through 16 KW Solar Power Grid is established in Campus. World Environment Day is celebrated in the college. Students and staff actively participate and extension lectures, quiz competitions, Green Oath, Monsoon Festival etc. have been organized. Waste disposal is being effectively executed. Separate bins for different types of waste are placed at appropriate places. The waste water produced from centralized RO plant is utilized for watering the plants, floor cleaning and mopping. The major liquid waste includes effluents from toilets and the laboratories. These are collected in the separate septic pits and allowed to settle into the soil and get filtered. The effluent pits are not located near the water bodies. The College is planning to implement a wastewater filtration plant and to utilize the filtered water for irrigation purpose. The rainwater harvesting systems are installed in a decentralized manner on Academic, Administrative block and Library. During the Road safety week students are made aware about eco-friendly transportation, not only on campus, but also outside. These activities spur the interest of students towards a green lifestyle.

Best Practice 2 (Research Centre Establishment): As a premier institute of Science, Government Science College, Sikar formerly known as S. K. Govt. College, Sikar had a pioneering history in the field of research and academia. The proud fact is that in the Shekhawati region the only dry lab facility (specifically Computer Aided Drug Design and Discovery) was established at S.K. Government College and successfully run for more than two decades. This lab has produced more than hundred research papers published in high impact factor international journals.

To maintain the legacy and the statute of institution, it is felt mandatory to reestablish such a laboratory in our new campus at Government Science College, Sabalpur, Sikar that will create a research atmosphere and put us a step forward in academia. Therefore, to establish such a facility at our institution, the Development Committee has allocated the budget of rupees ten lakh in April, 2022. In this laboratory we will be able to perform computational chemistry and biology specifically focused on drug protein interaction studies. Now a day the drug - receptor interaction may be quantified virtually with the help of molecular dynamics (MD) simulation and Docking studies. Along with these 3D-QSAR (Quantitative Structure Activity Relationship Studies), Homology modelling (for unknown protein structures), Pharmacophore design and homology modelling kind of studies can be performed conveniently. These studies have very good acceptance in international journals of high repute. The lab will be functional in upcoming session.



प्राचार्य

राजकीय विज्ञान महाविद्यालय, सीकर