

## **Institutional Distinctiveness**

PGCSTR is distinctive institute in the sense that it is the only self-financed college in Maharashtra, running only post-graduate courses in subjects namely Organic chemistry, Biotechnology, Microbiology, Mathematics and Statistics. Though college is running on purely unaided basis, out of 17 faculty members, 29.41 % are approved by university, 17.64 % are Ph.D. and 29.41 % are NET/SET qualified.

College is dedicated to meet its vision and mission with all regards. As a techno-savvy institute, good blending of conventional blackboard teaching and advanced teaching-learning methods is observed in all departments. These methods are implemented through installation of ICT smart classroom, LCD projectors and computers. All these technological infrastructures are maintained with consistent electric supply, routers/ISPs and availing technical support by experts whenever required for service or up-gradation. The college has internet access to each computer via 40 MBPS VPN-LAN. Around 200 users receive access to internet through such Wi-Fi and wired network.

College availed the facilities of KCE society's Central Instrumentation Laboratory (CIL) in which various sophisticated instruments including UV-Vis spectrophotometer, High Performance Liquid Chromatography, Thermo cycler-PCR, Gel-Doc, Gas Chromatography, Atomic Absorption Spectrophotometer, Fourier Transform Infra Red spectroscope (FTIR), Brookfield viscometer etc. are housed. Besides the Central Instrumentation Laboratory, college established a separate research laboratory to perform the research work. Faculties as well as students take the benefits of both above mentioned laboratories for experimental research, required for their academic projects and/or Ph.D. research work.

The college runs three certificate courses namely 'Certificate Course In Statistical Methods of Analysis', 'Certificate Course In Bio-analytical Techniques and Bioinformatics' and 'Certificate Course In Analytical Chemistry'. Among them, first course is self-governing and self-financed while other two courses are self financed and approved by university under 181. All courses meet enough response from students of various streams. The certificate course in statistics enhances analytical and statistical skills amongst the students. Similarly, certificate courses in life sciences and chemical sciences increases the job oriented practical handiness.

Despite the small strength of college, two students achieved new heights of success which reflects in achieving top ranks in the university merit list in 2014 and 2018. Also, two students

from college have qualified national competitive examinations like National Eligibility Test (NET) and one in Graduate Aptitude Test Engineering (GATE). Similarly, one student achieved Bronze medal in Cartooning competition of Yuwarang-2018 and faculty members as well as students actively participated in research festival – Avishkar, organized by the affiliated university.

The efforts are also on to strengthen the research aptitudes amongst the faculty and students. It resulted in publishing 45 research articles in journals of national and international repute out of which 27 are in UGC listed journals. One staff member contributed in the publication of a book chapter namely, ‘Chapter 23: Recent Advances in Nanostructured Polymer Composites’ for Biomedical Applications’ at an international level by Elsevier publications in 2019. In turn, it has also supported quality-learning experience of the students.