

A.T.V.V.Mandal's

## **B.D.Kale Mahavidhyalaya, Ghodegaon**

### **DEPARTMENT OF CHEMISTRY**

#### **PROGRAMME SPECIFIC OUTCOME (PSOs)**

#### **B) PROGRAMME SPECIFIC OUTCOME (PSOs)**

Programme Specific Outcomes (PSOs) are narrow statements that describe what the students are expected to know and would be able to do upon the graduation. Program outcomes represent broad statements that incorporate many areas of inter-related knowledge and skills developed over the duration of the program through a wide range of courses and experiences. They represent the big picture, describe broad aspects of behaviour, and encompass multiple learning experiences.

#### **UNDER GRADUATE (UG) SECTION**

**PSO1:** Demonstrate comprehensive knowledge and understanding of core principles, theories, and concepts in chemistry

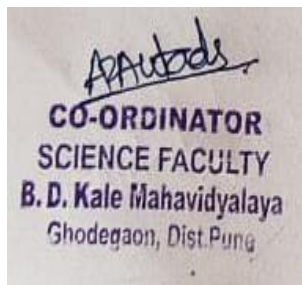
**PSO2:** Apply critical thinking skills to analyze complex chemical phenomena, evaluate experimental data, and propose innovative solutions to theoretical and practical problems in chemistry.

**PSO3:** Utilize resources such as textbooks, scientific literature, online courses, and professional networks to pursue self-directed learning and stay abreast of recent advancements in chemistry.

**PSO4:** Utilize digital tools, software, and databases effectively for literature research, data analysis, simulation, and visualization in chemistry.

**PSO5:** Exhibit leadership qualities and interpersonal skills essential for collaboration, teamwork, and effective communication within multidisciplinary research teams and professional environments

**PSO6:** Demonstrate readiness for professional practice or further education in chemistry by exhibiting qualities such as adaptability, resilience, professionalism, and a commitment to lifelong learning



Handwritten signature of the Principal in blue ink above a printed stamp that reads: 'Principal', 'B.D.Kale Mahavidyalaya', and 'Ghodegaon, Dist. Pune'.