

## WORKSHOP SUMMARY

- \* **TITLE:** The power of *In Silico* Tools
- \* **DATE:** 23/02/2026
- \* **SESSION DELIVERED BY:** Mr. Shridhar Deshpande N
- \* **PARTICIPANTS: 50** - Students of S.G.V Ayurvedic Medical College and Research Centre & Students of Maratha Mandal' College of Pharmacy Belagavi
- \* **VENUE:** Seminar Hall

### OBJECTIVES

1. To introduce students to the fundamental concepts of *In Silico* tools and their role in pharmaceutical and biomedical research.
2. To create awareness about computational approaches in drug discovery, molecular docking, virtual screening, and bioinformatics.
3. To demonstrate how in silico techniques reduce research time, cost, and dependency on extensive laboratory trials.
4. To encourage interdisciplinary learning among pharmacy and Ayurvedic students.
5. To enhance students' understanding of emerging digital technologies in healthcare research.

### SUMMARY

A workshop on “**The Power of *In Silico* Tools**” was successfully conducted on **23rd February 2026** at Maratha Mandal’s College of Pharmacy. The session was delivered by **Mr. Shridhar Deshpande N**, who provided comprehensive insights into the applications and significance of in silico tools in modern pharmaceutical research and drug development.

The workshop focused on the role of computational techniques in drug discovery, molecular modeling, virtual screening, bioinformatics applications, and predictive analysis. Sir elaborated on how in silico methodologies contribute to reducing time, cost, and experimental errors in the research process, while enhancing precision and efficiency in pharmaceutical investigations.

The event witnessed active participation from students of S.G.V Ayurvedic Medical

College & Research Centre, who attended the workshop along with the students of Maratha Mandal's College of Pharmacy. The interdisciplinary interaction enriched the learning experience, fostering academic exchange between pharmaceutical and Ayurvedic research domains.

The session was highly interactive, with students engaging in discussions and clarifying practical aspects related to computational tools used in research. The workshop concluded with a vote of thanks, leaving participants with enhanced knowledge and motivation to explore in silico approaches in their academic and research pursuits.

## **OUTCOMES**

1. Participants gained conceptual clarity on the application of in silico tools in modern drug development and research workflows.
2. Students developed awareness of software platforms and computational methods used in molecular modeling and predictive analysis.
3. Attendees understood the practical advantages of integrating computational techniques with conventional experimental methods.
4. The workshop fostered collaborative academic interaction between students of Maratha Mandal's College of Pharmacy and S.G.V Ayurvedic Medical College & Research Centre.
5. Participants were motivated to explore research-oriented careers incorporating digital and in silico methodologies.