Number of functional MoUs with national and international institutions , universities ,industries,coporate houses etc, during the year 2024-25

INDEX

Sr.No	Name of Organisation with which MoU is signed/Activity conducted	Date
1	KLE college of pharmacy, Belagavi	25/4/2022 to25/4/2027

Activities held jointly under the memorandum of understanding (MoU) Between Yash institute of pharmacy, Chhatrapati sambhajinagar and KLE college of pharmacy,Belagavi (25/4/2022 to 25/4/2027)

Statement showing details of activity conducted as a part of MoU

Sr No	Activity	Academic year
1	For conducting in silico molecular docking studies using the advanced Schrodinger software	2024-25

Hence certified.

Smt. Taisahab Kadam Sevabhavi Foundation & Research Center, Sonai
Yash Institute of Pharmacy Chhatrapati Sambhajinagar

Principal

Yash Insitute of pharmacy,
Chhatrapati sambhajinagar

Principal
Yash Institute of Pharmacy
Chhatrapati Sambhajinagar

Coordinator

KLE college of Pharmacy, Belagavi karnataka

KLE COLLEGE OF PHARMACY
Basavan Kudachi
BELAGAVI
591124

Activity Report for Functional MoU

Academic Collaboration under MoU with KLE College of Pharmacy, Belagavi for Faculty Research Support

In alignment with the objectives outlined in the academic Memorandum of Understanding (MoU) between Yash Institute of Pharmacy, Chhatrapati Sambhajinagar, and KLE College of Pharmacy, Belagavi, a significant collaborative effort was initiated to promote and strengthen faculty research. This collaboration was designed to provide technical guidance, advanced infrastructure support, and academic mentorship to faculty members engaged in high-impact research projects.

As part of this ongoing engagement, Mr. Abhay Shripad Joshi, Assistant Professor in the Department of Pharmacology at Yash Institute of Pharmacy, sought technical assistance from KLE College of Pharmacy for conducting in silico molecular docking studies using the advanced Schrödinger software suite in the academic year 2024-25.

Mr. Joshi's current Ph.D. research project focuses on **"The evaluation of molecular interactions between 30 different flavonoid compounds and four specific receptor proteins"**, which play a significant role in the biological mechanism under investigation. The selected protein targets, identified by their PDB IDs—4XX3, 2X8Z, 3R8A, and 2Y04—are of pharmacological relevance.

Initial docking studies were conducted using available open-source tools, which provided preliminary insights into ligand-receptor interactions. However, to enhance the precision, reliability, and publication quality of the results, it was decided to validate and extend the docking analysis using the more sophisticated and industry-standard Schrödinger platform.

Dr. Shankar Alegaon, a senior professor with considerable experience in Schrödinger-based molecular simulations. Dr. Alegaon leads the molecular modelling initiatives at KLE and will serve as the key technical guide for the collaboration. This coordination is expected to ensure timely execution and scientific accuracy of the docking studies. The collaboration will also involve sharing of best practices, software operation training, and data interpretation, which will be mutually beneficial.

This academic linkage stands as a model of inter-institutional cooperation, reinforcing the commitment of both institutes to quality research and innovation. It offers an excellent platform for skill development, capacity building, and knowledge exchange. Most importantly, it supports the academic and professional growth of faculty members at Yash Institute of Pharmacy by facilitating access to advanced tools and expert mentorship.

Yash Institute of Pharmacy Chhatrapati Sambhajinagar

Principal
Yash Institute of Pharmacy
Chhatrapati Sambhajinagar