

JSS ACADEMY OF HIGHER EDUCATION & RESEARCH, MYSURU
(Deemed to be University - Accredited 'A++' Grade By NAAC)

JSS COLLEGE OF PHARMACY, OOTY

(An ISO 14001:2015 & ISO 50001:2018 Certified Institution)

(Ranked 4th in India by NIRF - 2025)

ICMR - DHR, New Delhi

Sponsored

Three Days Hands-on Workshop on

“Computational Pharmacokinetics and Virtual Bioequivalence using AI and PBPK Modeling Tools for Translational Research”

May
14-16,
2026



Organized By
Department of Pharmaceutical Analysis
(DST-FIST Sponsored)

JSS AHER THEME 2026

“One World One Health Intelligent Solutions”

 A++	 21st University Category	 SDG-7 2 in WORLD	 56 in WORLD 3 in INDIA	 336 2025 ASIA	 101-150 Pharmacy & Pharmacology 651-700 Medicine	 EXCELLENT 2023-2026 Rated for Excellence	 RANKED 2024	 801-1000 23 in INDIA	 601-800 801-1000 Life Science	 401-500 57 in INDIA	 251-300 Young University 27 in INDIA
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JSS ACADEMY OF HIGHER EDUCATION & RESEARCH, MYSURU

JSS Academy of Higher Education & Research (JSS AHER) is a premier Deemed-to-be University specializing in medical and health-related sciences. Headquartered in Mysuru, Karnataka, with a significant presence in Ootacamund, Tamil Nadu, the institution integrates diverse faculties including Medicine, Dentistry, Pharmacy, Life Sciences, Management Studies, and Yoga. With a robust academic ecosystem comprising over 600 faculty members and a growing body of undergraduate, postgraduate, and research scholars, JSS AHER is defined by its commitment to interdisciplinary inquiry and global standards of excellence.

JSS AHER is being recognized for its academic excellence, consistently through NIRF Rankings (Ranked 21 in India among Universities by NIRF 2025). The University is accredited A⁺⁺ grade by NAAC (3.61 CGPA). Its technical prowess is validated by elite certifications, including ACPE (USA) for the Pharm D Program and NBA accreditation reflecting the quality education system both nationally and internationally.

The institution distinguishes itself through a multidimensional research framework and high-impact international collaborations. Partnering with prestigious entities such as La Trobe University, Howard University, and the National Institutes of Health (USA), JSS AHER fosters a global flow of ideas, facilitating cutting-edge research in molecular biology and natural products. These facilities bridge the gap between academic theory and industrial application, providing students with problem-based learning and high employability.



JSS COLLEGE OF PHARMACY, OOTY

Established in 1980, in a serene green campus of 6.7 acres, with D Pharm program, JSS College of Pharmacy, Ooty, (Ranked 4th In India by NIRF 2025) has evolved into a vital constituent college of JSS AHER since 2008. Today, it is a premier institution offering a spectrum of academic programs including D Pharm., B Pharm., Pharm D., M Pharm (10 Specializations) and Ph D Programs. The institution's commitment to academic excellence is further emphasized through additional PG diploma/Certificate programs to enhance interdisciplinary knowledge. Embracing a philosophy of "Team Play" the college prioritizes collaboration over competition, evident in its numerous National/ International MoUs facilitating faculty/ student exchanges, consultancy, training programs and more. The campus features high end instrumentation facilities, smart classrooms along with CCSEA Approved animal house facilities. As a pioneer in pharmacy education and specialized post graduate programs, the institution hosts research centers including DST Approved TIFAC CORE in herbal drugs, State Government recognized Drug Testing Laboratory (NABL Accredited) and Government recognized AYUSH -DTL. Its commitment to industrial synergy is evidenced by the Centre for Advanced Drug Research and Testing (CADRAT), which facilitates problem-based learning through expert consultancy fostering Industry Academia Collaborations.



ABOUT THE DEPARTMENT

Established in 1994, the Department of Pharmaceutical Analysis (DST-FIST Sponsored) has become a key center for specialized education and advanced research, bridging academic knowledge with industry needs. It offers M.Pharm programs in Pharmaceutical Analysis (1994) and Pharmaceutical Quality Assurance (2010), along with a recognized Ph.D. program. To strengthen professional skills, the department also provides value-added courses such as a PG Diploma in Pharmaceutical Quality Assurance and certificate program in Analytical Method Development and Validation. The department is distinguished by its state-of-the-art research infrastructure. Its laboratories are equipped with advanced analytical instruments, including LC-MS/MS (triple quadrupole), LC-MS (single quadrupole), HPLC systems with PDA, UV, and dual-wavelength detectors, OPLC, FT-IR, Atomic Absorption Spectrophotometry (AAS), and UV-VIS spectrophotometers. These facilities support high-precision analysis and cutting-edge research, guided by experienced and skilled faculty. A major strength is the Drug Testing Laboratory (DTL), established in 1994 under JSS Consultancy Trust. Approved by the Tamil Nadu State Drug Control Authorities and accredited by NABL under ISO/IEC 17025:2005, the DTL provides reliable drug testing and quality control services to government agencies and pharmaceutical industries. It ensures compliance with pharmacopoeial standards and upholds high professional practices.

Through its integration of academic excellence, advanced instrumentation, and industry-oriented services, the department plays a vital role in training competent professionals and contributing to the quality and safety of pharmaceuticals.



ABOUT THE WORKSHOP

The pharmaceutical industry is undergoing a digital transformation, shifting toward data-driven, model-based approaches to accelerate translational research. While academic curricula provide a foundation in basic pharmacokinetics, there remains a significant gap between classroom theory, the industry-standard software and AI-integrated methodologies used in modern drug development.

This workshop is designed to bridge that gap. By providing hands-on training in computational pharmacokinetics and Physiologically Based Pharmacokinetic (PBPK) modeling, the workshop aims to empower researchers and pharmaceutical scientists with the practical skills necessary for high-level regulatory submissions and clinical applications.

Participants will gain the technical proficiency needed to translate laboratory findings into predictable clinical outcomes, ensuring they remain at the forefront of a competitive global research landscape. Join us to strengthen your capacity for innovation and master the tools that are defining the future of medicine.

KEY WORKSHOP OBJECTIVES

- ✔ Computational Pharmacokinetics and PBPK Modeling principles
- ✔ AI & ML Applications in Pharmacokinetic modeling
- ✔ Virtual Bioequivalence study design and Execution
- ✔ Hands-on Training on Industry Standard PBPK software platforms viz., GastroPlus, Phoenix Winonlin and Pk sim

WHO CAN ATTEND

- ✔ Pharmaceutical scientists and researchers
- ✔ Academic faculty, Research Scholars and Graduate students in pharmacy- IV Year B Pharm., III - VI Year Pharm D and I & II M Pharm students of all Specialization
- ✔ Clinical pharmacologists
- ✔ Bioinformaticians and computational biologists
- ✔ Industry professionals in drug development and formulation



RESOURCE PERSONS



Dr. Rajkumar Malayandi
Professor & Head,
Department of Pharmaceutics
National Institute of Pharmaceutical
Education & Research (NIPER),
Hajipur, Bihar



Dr. M Sirajudeen
Principal Biostatistician,
SDC Clinicals (India) Private Limited,
Hyderabad, Telangana



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Pk/PD Division,
Endo Pharma Inc.,
Chennai, Tamil Nadu



Dr. Chandra Teja U
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Dr. Shashanka K Prasad
Associate Professor,
Dept of Biotech. and Bioinformatics,
School of Life Sciences,
JSS Academy of Higher Education &
Research, Mysuru, Karnataka



Mr. Gopal K
Manager - Global Regulatory Affairs,
Pfizer Healthcare India Ltd,
Chennai, Tamil Nadu

Registration Details

Registration Fee: Rs 1200/- (Inclusive of GST)
(Includes Breakfast, Lunch, Refreshments & Workshop Kit)

Account name : JSSCP SEMINAR A/C
Account No : 4390000100144099
IFSC Code : PUNB0439000
Bank Name : PUNJAB NATIONAL BANK
Branch : OOTACAMUND

Enroll Now
Limited to 100 Participants Only

For Registration



Link : <https://forms.gle/H1jb4SN72hTLv6UH9>

Last Date for Registration : 30 April, 2026

With the blessings of
"His Holiness Jagadguru Sri Shivarathri Deshikendra Mahaswamigalavaru"
Jagadguru Sri Veerasimhasana Mahasamasthana Math, Sri Suttur Kshethra

PATRONS



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