

**JSSAHER, Mysuru & DST-STUTI sponsored 7-days training program on “Basic Techniques in Pharmaceutical Formulations, Analytical and Preclinical Studies” conducted by DST-FIST Supported department, Pharmaceutics, Pharmaceutical Analysis, and Pharmacology from 27-6-22 to 3-7-22**

JSSAHER, Mysuru & DST-STUTI sponsored 7- days training program organized on “Basic Techniques in Pharmaceutical Formulations, Analytical and Preclinical Studies” which included approximately 30% theory and 70% of practical training components. Participants were from across the country with different disciplines like medicine, pharmacy, agriculture, food technology, biochemistry, etc. The training was given in 3 phases consisting of 2 days each in the departments of Pharmaceutics, Pharmaceutical Analysis, and Pharmacology.

Seeking the blessings of his holiness Jagadguru Swamiji, the inauguration program was held on 27/06/2022 at 9:00 am. The function started with Thamizhthai Vazhthu and Prayer song. Then the dignitaries and participants were welcomed by **Dr. S.P. Dhanabal**, Principal, JSS College of Pharmacy, Ooty. The formal opening was performed by Lighting of Kuthuvilaku by the respected dignitaries. **Dr. Prashant V**, Program Coordinator, and Research Director JSS AHER, Mysuru addressed the gathering by giving them an insight into the genesis training program and its importance. The chief guest **Dr. Surinder Singh**, Vice Chancellor, the guest of honor and **Dr. Pramod Kumar T.M**, Dean of pharmacy faculty, JSSAHER and Principal, JSS College of Pharmacy, Mysuru conveyed their view about the training program and importance of the institute in the field of pharmaceutical sciences. The presidential address was given by **Dr. C.G. Betsurmath**, Executive Secretary, JSS Mahavidyapeetha, Mysuru. The coordinators of the program, Dr. K. Gowthamarajan, HOD, Dept. of Pharmaceutics, Dr. N. Krishnaveni, HOD, Dept. of Pharmaceutical Analysis, and Dr. T.K. Praveen, HOD, Dept of Pharmacology addressed the gathering stating the diversity of the participants and the flow of training program for the upcoming 7 days.

The first phase at the Department of Pharmaceutics was on conventional and nano-formulation development and their evaluations. The participants were given theory sessions followed by practical training on formulation strategy for designing dosage forms, the working principle behind the texture analyzer, differential scanning calorimeter, nano spray dryer, and zeta sizer, including regulatory aspects of nano-formulations.

The second phase of training at the Dept. of pharmaceutical analysis focused on theory and practical training on quality control analysis of pharmaceutical dosage forms such as estimation of drugs and compatibility studies using ultra-violet spectroscopy, dissolution apparatus, FTIR spectroscopy, HPLC and LC-MS/MS.

The last training phase at the Dept. of pharmacology was on “Design and techniques of animal experimentation and bioassays”. Two theory sessions were delivered on the topics “Animal testing: history and alternative techniques” and “CPCSEA guidelines for animal experimentation” The participants were given hands-on training on laboratory animals handling, randomization, grouping, routes of drug administration, anesthesia, blood collection techniques, surgical techniques and bioassay using chick ileum.

The above training was provided by the respective dept. faculties and research scholars.



The valedictory function took place on 3/07/2022 With the distribution of certificates to the delegates and the delegates shared their views about the training, the skills they learned and with hopes that this is just the beginning of a long fruitful journey of collaboration and research in the field of pharmaceutical sciences.