

Travel and Accommodation

Eligible teachers will be given traveling allowances as per AICTE guidelines. Economical accommodation (dormitory type) may be provided on request.

Registration

Registration is limited to 30 participants only. Completed bonafide applications should be reached on or before 1st March 2018. Intimation of selection will be given on 02.03.2018 by e-mail. The participants will get a certificate of participation upon successful completion of the course.

Ooty

Ooty is a hill station in the Western Ghats popularly known as 'queen of hills' blessed with huge landscapes, waterfalls, dams, peaks, lakes and botanical gardens, etc. This town is readily connected by road. It is about 90 Km from Coimbatore and about 160 Km from Mysore. The temperature in the month of March may be about 18°C - 22° C and woolen garments like sweaters and shawls are preferred.



Address for Correspondence:

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Co-ordinator
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Programme Co-ordinator
Dr. K. Gowthamarajan
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Course Co-ordinator
Dr. N. Jawahar

Members:
Dr. V. Senthil
Dr. R.Suresh Kumar
Dr. D. Nagasamy Venkatesh
Dr. GNK Ganesh
Dr. Karri. V.V.S Narayana Reddy
Mr. R. Arun



JSS Academy of Higher Education & Research
(Deemed to be University)
Accredited 'A' Grade by NAAC

JSS College of Pharmacy

(ISO 9001:2015 certified)
Rocklands, Ooty-643 001, Tamilnadu
Ph : +91 -423 -2443393, 2443847
Fax : +91 -423 2442937
Quality Improvement Programme (QIP)

on
Advanced Trends in Pharmaceutics
(9th – 24th March 2018)



Sponsored By
All India Council For Technical Education
New Delhi

Organised by
Department of Pharmaceutics

About JSS Mahavidyapeetha & JSS Academy of Higher Education & Research

Jagadguru Dr Sri Shivarathri Rajendra Mahaswamiji, the 23rd pontiff of Sri Suttur Veerasimhasana Math, Suttur, was the architect and founder of JSS Mahavidyapeetha, which came into being in 1954. JSS Mahavidyapeetha is presently running more than 300 institutions starting from primary education to postgraduate and research programmes in the fields of Medical Sciences, Engineering & Technology, Arts & Science, Law, Management, etc., there are about 40,000 students enrolled in the various institutions of the Vidyapeetha with more than 10,000 employees. The Vidyapeetha can easily be described as one of the largest education providers as well as employer in the region.

In the year 2008, The Ministry of Human Resource Development, Government of India has declared JSS Academy of Higher Education and Research comprising JSS Medical College, JSS Dental College, JSS College of Pharmacy at Mysore and JSS College of Pharmacy at Ooty as Deemed to be University under Section 3 of UGC Act 1956. The Academy now envisages to carry forward this mission and vision of JSS Mahavidyapeetha by providing quality education.

JSS Academy of Higher Education & Research intends to emerge as one of the nation's preeminent comprehensive universities in the 21st Century. The Academy will be widely recognized for the quality of its undergraduate, graduate and professional educational programmes, the effectiveness of its research and outreach programmes and the broad access to the university provided through the innovative use of information technology. The Academy will ensure the quality of its programmes through the careful focusing of its resources in areas of institutional strengths.

About JSS College of Pharmacy, Ooty

The college was established in the year 1980 with the object of imparting quality pharmacy education in India. Today the college is one of the largest postgraduate and research institution in the country, imparting quality pharmaceutical education viz. graduate (B Pharm), postgraduate, Doctor of

Pharmacy (Pharm D & Pharm D – Post Baccalaureate), and Doctor of Philosophy (Ph D). The college has been successful in maintaining high level of research activities, recognized at the national and international levels. The college is now a constituent college of JSS Academy of Higher Education and Research, Mysore. It is recognized by All India Council for Technical Education (AICTE), Pharmacy Council of India (PCI) and Government of Tamil Nadu. The college has been accredited by the National Board of Accreditation of AICTE. It is one of the Nodal Centre of QIP in Pharmacy sponsored by AICTE. The college has been selected by the Department of Science & Technology, Govt. of India as a Centre for Relevance and Excellence (CORE) in herbal drugs under the Technology Information, Forecasting and Assessment Council's (TIFAC), Mission REACH projects. The college is equipped with sophisticated instruments like LC-MS, UV-VIS, FT-IR, AAS, DSC, GC, HPLC, HPTLC, semi commercial scale extraction unit, spray dryer, freeze dryer, full fledged tablet production unit and other modern equipments required for the manufacture of drugs and formulations, their standardization and research.

Objectives of the Course

Evolution of an existing drug molecule from a conventional form to a novel delivery system can significantly improve its performance in terms of patient compliance, safety, and efficacy. These days, drug delivery companies are engaged in the development of multiple platform technologies to get competitive advantage, extend patent life, and increase market share of their products the number of products based on new drug delivery systems has significantly increased in the past few years, and this growth is expected to continue in the near future. Recent advances in the field of genomics have accelerated research of biopharmaceuticals, and today a large number of companies are busy developing protein- and peptide-based drugs. These biopharmaceuticals present challenges to drug delivery scientists because of their unique nature and difficulty in delivery through conventional routes. Therefore, future research will focus on the delivery of these complex molecules through different routes, including oral, nasal, pulmonary, vaginal, rectal, etc. This programme will be overviewed about the existing drug

delivery technologies and the special concern about the recent research happened in JSS University, Mysore.

- ✓ To provide the knowledge on computer aided technology on drug delivery
- ✓ To provide the information about regulatory aspects in drug delivery
- ✓ To provide the knowledge on various advanced drug delivery systems
- ✓ To provide the future direction of drug delivery systems

Course Structure

The course is divided into lectures, demonstrations, hands on training and small group discussions to reinforce the concepts, in which participants will solve practical problems. A manual, comprising lecture outlines and derivations will be provided.

Course Content

- ✓ *Nanotechnology*
- ✓ *Advanced Drug Delivery System*
- ✓ *Computer Aided Drug Delivery*
- ✓ *Protein Delivery*
- ✓ *Parental Delivery*
- ✓ *Pharmaceutical Regulatory Affairs*
- ✓ *Personalized medicine*
- ✓ *Advanced Biopharmaceutics Application*

Resource Persons

Eminent resource persons from academia, pharmaceutical industry and CROs will be the faculty for the program.

Eligibility

Teachers of all AICTE recognized Pharmacy Colleges, who are keen to update their knowledge and learn newer concepts and techniques can participate in the program.



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**Certificate of Recommendation from
Head of the Institution**

I hereby certify that

Dr/Mr/Mrs/Ms _____

Designation _____

Department _____

is interested in undergoing the Quality Improvement programme on **Advanced Trends in Pharmaceutics** and that he/she will be relieved in time to participate in the above course from 9th to 24th March 2018.

Place

Signature

Date

Office seal



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(9th – 24th March 2018)

Registration Form

Name (In capital) : _____

Date of Birth : _____ Gender : Male Female

Highest Qualification :

Designation :

Department : Yes No

Teaching Experience :

Is your college / institute approved by AICTE

College address for communication

Name of the Affiliating university

Mobile No.

Email :

Details of Accommodation: Required Not required

Date :

Signature of Participant



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Book-Post



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