

ABOUT COURSE

What is this workshop about?

Drug engineering focuses on designing, building, and improving manufacturing facilities that produce drugs. Although some Drug engineers also work with discovering and formulating medication. One of the most important distinctions between pharmaceutical engineering and other branches of engineering is the pharmaceutical industry's strict requirements for good manufacturing practice (GMP). To excel as a pharmaceutical engineer, you must be able to handle increasingly complex GMP demands to ensure the medicine produced is safe for patients. GMP considerations are vital in all design phases, from early conceptual design to the implementation and execution of a pharmaceutical quality system.

COURSE CONTENTS

- Introduction to Drug Engineering
- Major areas of design and development of novel and conventional parenteral drug delivery systems like liposomes, niosomes, microemulsions
- Carriers and additives used in parenteral drug delivery
- Practical demonstration of Formulation & evaluation of some parenteral drug delivery systems.
- • Clinical benefits and limitations of parenteral drug delivery and technology.

COURSE OUTCOMES

- To focus on recent trends and advances in the field of parenteral drug delivery systems and technology.
- fundamentals of novel & conventional drug delivery systems useful in research work.

REGISTRATION PROCESS

- One can register for the course as per the specified process of AICTE Training and Learning (ATAL) Academy.
- Visit <https://www.aicte-india.org/atal> for registration
- For certificate, attendance and passing of Examination is mandatory.

RESOURCE PERSONS

The program will be conducted by eminent speakers from academia and industry.

COURSE SCHEDULE

Duration : 04th – 08th October 2021
Timing : 09 am to 5 pm

WHO SHOULD ATTEND THE COURSE

This course is useful for engineers of different disciplines aspiring towards development of Drugs Delivery system for various medical applications The course will be most beneficial for:

- Pharmaceutical and Engineering post-graduates (M.E./M. Tech. in Pharmaceuticals, Mechanical, Production, Automobile, Aerospace, Bio-medical, Electrical, Electronics, Chemical Engineering)
- Professionals in Design, Manufacturing industry Faculty members from academic and research institutions
- PhD scholars

All India Council for Technical Education
(AICTE) Training and Learning (ATAL)
Academy

Sponsored one week online
Faculty Development Program
On
“Drug Engineering”

04th - 08th October 2021



Coordinator

Dr. Jayram Gholave

Assistant Professor

Basic Science Department

Organized By

Basic Science Department

Bharatiya Vidya Bhavan's

Sardar Patel College of Engineering

(An autonomous institution affiliated to University of Mumbai)

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ABOUT THE INSTITUTE



Sardar Patel College of Engineering (SPCE) under the management of the Bhartiya Vidya Bhavan, was founded by Kulapati Dr. K. M. Munshi. It was established to meet the growing demand for engineering talent.

The foundation stone of the college was laid on 17th September 1961 by Shri. Y. B. Chavan (the then Chief Minister of Maharashtra who later became the Defence Minister of India.)

The college was inaugurated by the first Prime Minister of Independent India, Pandit Jawaharlal Nehru in 1962. The college is dedicated to Sardar Vallabhbhai Patel, an eminent nation builder of independent India.

The college is autonomous and affiliated to the University of Mumbai for the full-time degree, post graduate, and research programs. The institute has set high standards for aspiring engineering students and also meets the need of quality education in the challenging world of business.

Over the last 50 years the college has gained an excellent reputation in the field of Technical Education. SPCE is one of the few colleges that have received Grade 'A+' rating for its aided courses from the Govt. of Maharashtra which certifies the spirit of excellence that the institute has symbolized and always practiced. Institute celebrated its golden jubilee in the year 2012.

BASIC SCIENCE DEPARTMENT

Basic Science Department of Sardar Patel College of Engineering commenced in 1962. The department offers foundation courses to undergraduate program and postgraduate programs. Various courses such as Chemistry, Physics, Mathematics, Communication skills are offered by the department. The department is attached to the B. Tech. (Mechanical Engineering) and B. Tech. (Civil Engineering). Both these programs are awarded accreditation (tier-I) by NBA for period of AY2017-18 up to 2020-21. The department has modern infrastructure with well-equipped laboratories and computational facilities with up-to-date hardware and software resources. The well qualified and experienced faculty of the department imparts knowledge to the students in the fundamental and applied aspects of Sciences and Engineering courses by adopting conventional as well as the latest teaching and assessment tools.

OBJECTIVES OF AICTE ATAL ACADEMY

- To set up an Academy which will plan and help in imparting quality technical education in the country
- To support technical institutions in fostering research & innovation and entrepreneurship through training
- To stress upon empowering technical teachers & technicians using Information & Communication Technology
- To utilize SWAYAM platform and other resource for the delivery of trainings
- To provide a variety of opportunities for training and exchange of experiences such as workshops, Orientations, learning communities, peer mentoring and other faculty development programs.
- To support policy makers for incorporating training as per requirements

PATRON



Dr. Sesha Iyer
Director, BoG,
Sardar Patel College of Engineering



Dr. Abhay Wagh
Director, Directorate of Technical
Education, Maharashtra



Dr. M. M. Murudi
Principal In-charge,
Sardar Patel College of Engineering

ORGANIZING COMMITTEE

Dr. M. M. Murudi	Principal In-Charge
Dr. Santosh Rane	Dean Academics
DR. A. A. BAGE	Head of First Year Engineering Department
Dr. Jayram Gholave	Course Coordinator
Dr. Kiran S. Bhole	Course Co-Coordinator
Prof. Vishal Dake	Course Co-Coordinator

CONTACT FOR MORE INFORMATION

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