



About the Institute

IPS Academy, Institute of Engineering & Science is one of the leading private self-financing NAAC accredited and UGC autonomous institutes devoted to imparting quality engineering education with the sole motto of "Knowledge, Skill & Values". The institute was established in 1999 and Ranked 42 among the Top Engineering Colleges in country and 32 among the Private Engineering Colleges in country by Times of India and is top preferred institute for education amongst self-financing institute in MP by CSR. We offer 14-UG & 8-PG programs .

About the Department

Department of Chemical Engineering was established in the year 2004 with under graduate course to provide quality education to the students & expanded with post-graduation course with specialization in Computer Aided Process Design in 2011. Department has established IChE student chapter in 2009 and professional activities like technical paper writing competition Engrosser, TechFest-Innovita expert lecture, industrial visit and tour etc. are organized every year under students' chapter. The Department has hosted number of Quality improvement programs, Seminars / Conferences/ Workshops. Our students are placed in various prestigious organizations like BARC, IGCAR, IPR, IOCL, ONGC, BOREL, NFL, BPCL, LUPIN, IPCA, Vedanta, Grasim, Sun Pharmaceutical, Alembic, Reliance etc.

ATAL Academy

AICTE Training and Learning (ATAL) Academy is established with the vision to empower faculty to achieve goals of Higher Education such as access, equity and quality. ATAL academy is conducting a series of workshops in thrust areas identified by AICTE.

About FDP

With increase in industrial activities to fulfil the basic needs, the freshwater demand is rising. As a consequence, wastewater generation is also likely to increase significantly. The situation in developing nations like India becomes more alarming due to the shortage of good quality water in surface and sub-surface sources. In a sustainable society,

it is imperative to protect natural resources and the surrounding environment by adopting efficient wastewater treatment processes. In order to encourage industries for taking appropriate measures to reduce freshwater demand partly by recycling treated wastewater, the regulations for water abstraction and wastewater discharge are becoming more stringent. The wastewater streams generated from process industries are contaminated by a variety of toxic and non-biodegradable inorganic and/ or organic pollutants which often require advanced treatment processes to make wastewater suitable for recycling. The choice of treatment strategy largely depends upon wastewater characteristics and the desired quality of treated wastewater. Hence, this faculty development program is designed for professionals working in industries to provide insight into developments in effluent treatment for promoting recycling of wastewater. The lectures will cover conventional and advanced treatment processes for industrial effluents. Various resource recovery options from the treated wastewater will be discussed.

Broad Objectives

The broad objectives are following-

- Imparting knowledge about an overview on wastewater generation from oil industry, waste hierarchy, existing treatment processes and relevant regulations.
- To discuss physico-chemical and biological treatment processes for industrial effluent.
- To provide insight into advanced treatment methods to improve wastewater recycling potential.
- To discuss case studies and identification of gaps and future prospects.

Course Contents

The following topics will be addressed during the Faculty development program-

- Industrial effluent treatment
- Physical and chemical properties.
- Aerobic and anaerobic treatment of water.
- Sewage water treatment.
- Sludge management.
- Toxicity in industrial wastewater.
- Recent advanced wastewater treatment.
- Case studies from various like tanning industry, sugar industry, bio-refinery, metal processing industry.

Faculty Development Program

on

Treat Water and Save Environment: Recent Trends and Advancement in Treatment of Effluent Water

4 - 9 March, 2024

Coordinator

Dr. Rajesh Kumar Kaushal

Co-Coordinator

Dr. Kanti Kumar Athankar

Sponsored by

AICTE Training and Learning (ATAL) Academy

Organized by

IPS Academy

Institute of Engineering & Science, Indore
(A UGC Autonomous Institute, Affiliated to RGPV)
Chemical Engineering Department

www.ies.ipsacademy.org



Eligibility of Participation

Faculty members from AICTE approved institutions, research scholars, industry person and PG students, participants from government, and industry professionals.

- External Participants (traveling more than 20KM one side to attend the FDPs) who attend at least 90% of the sessions shall be reimbursed with the cost of traveling, with a blanket amount of Rs. 2000/-
- Working lunch will be provided
- Accommodation will be provided on request (on payment)
- Max. No. of Participants will be 50.
- Selection will be based on First come first serve.

Registration

No registration fees as the program sponsored by AICTE training and learning (ATAL) Academy.

Interested participants can register using the following link

<https://atalacademy.aicte-india.org/login>

- Step 1 Sign-Up
- Step 2 Select the role "Participant"
- Step 3 Click on workshops
- Step 4 Select FDP on "Treat Water and Save Environment: Recent Trends and Advancement in Treatment of Effluent Water"
- Step 5 Click the plus sign button to register.

Note: Scanned copy of registration form upload on the following link.

<https://forms.gle/djvdWoFt6QQ8MyGJA>



Important Dates

Last date of registration	28/02/2024
Intimation of acceptance	29/02/2024
confirmation by participants	01/03/2024

Requirements to get Certificate

Continuous Comprehensive Assessment of Candidates shall be carried out and certificate would be issued up on achieving at least 70% to receive overall in following aspects in the weightage mentioned below.

- Attendance - minimum 80% attendance - (individual weightage 50%).
- Assessment - combination of MCQs/short answer type/reasoning based, etc. (Individual weightage 30%).
- Industry visit- (Team)/Teaching Practice (weightage 20%).

Contact Details

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Chief Patron



Ar. Achal K. Choudhary
President, IPS Academy, Indore

Patron



Dr. Archana Keerti Chowdhary
Principal, IPS Academy
Institute of Engineering & Science



Prof. A.G. Kothari
Advisor, IPS Academy
Institute of Engineering & Science

Coordinator



Dr. Rajesh Kumar Kaushal
Head, Chemical Engineering
Department & Dean Administration

Co-Coordinator



Dr. Kanti Kumar Athankar
Associate Professor
Chemical Engineering Department



ATAL FDP on

**Treat Water and Save Environment:
Recent Trends and Advancement in
Treatment of Effluent Water**

Registration Form

Name:

Designation:

Educational qualification:

Experience:

Area of specialization/Research:.....

Organization:

Address for Correspondence:
.....

Mobile:

E-mail:

Authorization certificate

..... is an employee of our college/Institution and is hereby permitted to attend the Six days ATAL FDP at Institute of Engineering & Science, Department of Chemical Engineering, if selected.

Signature & Seal of the Authorizing Authority

Declaration

The information provided by me is true to the best of my knowledge. I agree to abide by the rules and regulations governing the FDP under AICTE Training & Learning (ATAL) Academy. If selected, I shall attend the FDP for the entire duration. I also undertake the responsibility to inform the coordinator in advance in case of inability to attend the programme.

Signature of the applicant:

Date:

Place: