



SCHOOL OF PHARMACY

CIRCULAR

No: AJU/SOHAS/092/23

Date 11.05.2023

It is hereby notified that School of Pharmacy will conduct a seminar entitled as Application of Analytical tools for Pharmaceuticals on 17th May 2023, 10 am onwards. The students of School of Pharmacy are herewith notified to avail the opportunity. Venue will be the seminar hall, SUSHRUTA Block of ARKA JAIN University.

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Copy to Vice Chancellor Office of the Registrar IQAC Class Coordinators Website In-charge Office file Student <u>Whatsapp</u> group

ARKA JAIN UNIVERSITY-IQAC CELL-EVENT REPORT



SEMINAR ON APPLICATION OF ANALYTICAL TOOLS FOR PHARMACEUTICALS

Date of Event	17.05.2023
Name of the Event	Seminar on Application of Analytical tools for Pharmaceuticals
Type of the Event	A Collaborative & Technical Skill Development Session
Conducted by	School of Pharmacy in collaboration with IPT Salipur, Odisha
No. Of Participants	53

OBJECTIVE: Several analytical techniques used in the pharmaceutical industry, but the techniques commonly used are chromatography techniques such as HPLC, LC-MS, GC, and GC-MS. These techniques form the industry standard for analyzing the drug molecules as well as formulations. The purpose of Pharmaceutical Analysis is to identify substances, purify them, separate them, quantify them, determine the molecular structures of chemical compounds that make up pharmaceuticals, and determine how these compounds are combined to make up a pharmaceutical product.

DETAILS: In collaboration with IPT Salipur, Odisha a seminar on Application of Analytical tools for Pharmaceuticals was conducted by School of Pharmacy at ARKA JAIN University on 17th May 2023. The speaker of the seminar was Dr. Mina Ketan Sahoo, Assistant Professor, IPT, Salipur, Odisha. He explained the process analytical technology (PAT) is defined by the FDA as a mechanism to design, analyze, and control pharmaceutical manufacturing processes through the measurement of critical process parameters that affect critical quality attributes of an active pharmaceutical ingredient. Various analytical instruments used in pharmaceutical industry are Dissolution Test Apparatus, Disintegration Tester, Bulk & Tapped Density Tester, Tablet Hardness Tester, Friability Tester, Fluorometer, Flame Photometer, Karl fischer Moisture Titrator, FTIR, UV Visible spectrophotometer, HPLC, HPTLC, Gas Chromatography, GC-MS, DSC, SEM, XRD analyser, *etc.*

The audience of the seminar were basically the students and faculties of School of Pharmacy ARKA JAIN University. The seminar was conducted smoothly by the coordination of students, faculty members and laboratory technicians of School of Pharmacy.



OUTCOMES: Through this seminar students understood the role of various analytical instruments in the analysis of pharmaceuticals involved in pharmaceutical analysis.

Resource	Designation	Affiliation	Mail ID	Phone No
Dr. Minaketan Sahoo	Assistant Professor	Institute of Pharmacy &Technology, Salipur, Odisha	sahoominaketan@gmail.com	9439005051



Poster of the Event



Poster of the Seminar on Application of Analytical Tools for Pharmaceutical



Photos of the Event



Geo Tag photos of seminar Application of Analytical tools for Pharmaceuticals



Kindling of light to inaugurate the seminar

ARKA JAIN UNIVERSITY-IQAC CELL-EVENT REPORT





Dr Minaketan presenting the seminar



Participants gathering before seminar starts





Felicitating to the speaker of the seminar



All under one frame



Students' Attendance

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