

COURSE COMPLETION REPORT

on
ADD-on Course (Biostatistics and DoE for pharmaceutical Industry)
Aug 2023-May 2024

Course Instructor:

Dr. Souvik Basak,

Professor

&

DIC, Div. of Pharmaceutical Chemistry,

Dr. B.C. Roy College of Pharmacy & Allied Health Sciences,

Durgapur, WB, India

Name of the Add-on Course: Biostatistics and DoE for Pharmaceutical Industry


Under the patronization of Dr. B.C. Roy Society management and as per the advice of Honourable advisor, Dr. B.C. Roy group of Institutions, the course planning of an Add-on course on Biostatistics and DoE for pharmaceutical Industry was started during the onset of academic year 2023-24 under the guidance of IT cell, Dr. B.C. Roy College of Pharmacy & Allied Health Sciences (BCRCP), Durgapur, WB, India. The course structure involved 20 classes in total, one class per week from 6:00 pm – 8:00 pm, each class having duration of 2h. Hence total 40 h course on the topic (mentioned above) was framed and approved by IT cell, BCRCP. In continuation, based on an official notification on 09.08.2023 by Hon'ble Principal, BCRCP the course registration was started. The target audience was B. Pharm final year and both years of M. Pharm. These two years as target audience were chosen because of the pertinence of this course with their goals such as job employments, interview cracking, various competitive examinations, higher studies and project research work.

In response, we obtained 69 registered students from in house pool of BCRCP and the classes started on the stipulated time as mentioned above. **The first class was on 23.08.2023** and the **last class was taken on 25.05.2024 (Total 20 classes)**. Both theoretical and hands on training on various bio-statistical models, tools and DoE software such as Minitab, Ms Excel were provided. Initially the attendance was beheld as 55-65 students per class, which dropped a little bit around 42-45 students after first half of the class. However, on the whole, the student participation, interaction, hands on trial on various statistical tools in the class was appreciable and encouraging.

For assessment and evaluation, one Mid-term as well as one End-term examination was carried out. In addition to that, various assignments and worksheets were provided to the registered

52/69




Principal
Dr. B. C. Roy College of Pharmacy & AHS
Durgapur, West Bengal-713203

students during the entire session of the course via Google classroom and the responses were evaluated and examined.

Based on the marks obtained from various assessment tools such as midterm and end-term examination, the intermediate assignment and attendance in the class, an evaluation rubrics were formed and the final assessment marks for each student was set as a scoring function based on the rubrics. The final marks were calculated statistically, and a cut off of 25% was set to pass the course. Students above 25% were ranked based on percentile and were duly certified through course completion certificate by competent authority (& H cell). BCRCP.


Report provided by

Souvik Basak
24/9/24

Dr. Souvik Basak,
Course Instructor,
Professor

&
DIC, Div. of Pharmaceutical Chemistry,
Dr. B.C. Roy College of Pharmacy & Allied Health Sciences,
Durgapur, WB, India




Prof. (Dr.) Jitendra Kumar Samanta
M. Pharm., Ph.D (J.U.)
Principal
Dr. B. C. Roy College of Pharmacy & AHS
Durgapur, West Bengal-713206