



Indian Institute of Science

Centre for BioSystems Science and Engineering



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Course Title: Industry Seminar
Course Code: BE 220
Course Schedule: January Semester
Credits: 2:0

Course Coordinator: Siddharth Jhunjunwala

Pre-Requisites: None
Eligibility: Only for students enrolled in the M. Tech. or Ph.D. program at BSSE IISc

Description

This goal of the course is to acquaint students to best practices followed by the industries in the domains of Bioengineering, Biotechnology, Pharmaceutical technology, and Healthcare. The course is designed as a 3-hour interaction with experts from the industry once every 10 days. Specifically, the expert will begin with a 1-hour lecture describing their domain knowledge, the solutions developed by their company, and providing insight into how ideas are converted into products that may be used by other businesses and consumers. Following the lecture, a 1-hour group-interaction between students and the expert will be conducted. The final 1-hour will be dedicated to an internal discussion among the students and the course instructor on applying the theoretical concepts learned as part of the Bioengineering curriculum, to solving problems faced by the industry. A total of 10 lectures are planned through the semester, totalling 30 contact hours.

References

There is no prescribed textbook for this course.

Course Outcomes

Upon completion of the course, students will be able to:

1. Appreciate the contributions of various industries in developing products and solutions in the broad domain of Bioengineering
2. Begin applying theories learned as part of the curriculum to solving practical problems
3. Effectively communicate with industry professionals