Jaypee Institute of Information Technology

M. TECH BIOTECHNOLOGY

Course Descriptions

SEMESTER 4

INDUSTRIAL PROJECT

Course Code	**17IM17BT217**	**Semester Even**	**Semester** IV, Integrated X Sem **Session** 2021-2022 **Month from** January to June
Course Name	**Industrial Project**		
Credits	16	**Contact Hours**	32

Faculty (Names)	**Coordinator(s)**	Prof Sujata Mohanty
	Teacher(s) (Alphabetically)	Prof Sujata Mohanty

COURSE OUTCOMES		**COGNITIVE LEVELS**
C231.1	Choose an organization and relevant project as problem	Apply level 3
C231.2	Propose a research plan on acquired scientific concepts and tools to address the defined problem	Create Level 6
C231.3	Test for and analyze knowledge to construct solution for the identified problem	Evaluate level 5
C231.4	Compose and present the work done and discuss the research outcomes	Create Level 6

Project Based Learning: In this course, students apply to different Industry/ Academic Institutes with their project proposal. Therefore, the learning from this course is completely Project-based.

Employability: Students expose themselves to various working environments of Industry/Academic Institutes/ Health practicing centers during the execution of their project work and this interface facilitates them in cultivating the entrepreneurial culture, R&D aspect, innovation and also motivates them towards right Employability.

DISSERTATION

Course Code	**17M17BT216**	**Semester Even**	**Semester** IV, Integrated XI sem **Session** 2021-2022 **Month from** January to June
Course Name	**Dissertation**		
Credits	16	**Contact Hours**	32

Faculty (Names)	**Coordinator(s)**	Prof Sujata Mohanty
	Teacher(s) (Alphabetically)	Prof Sujata Mohanty

COURSE OUTCOMES		**COGNITIVE LEVELS**
C230.1	Survey research-based literature to develop hypothesis	Apply Level 3
C230.2	Design the experimental outlay to address the defined problem.	Create level 6
C230.3	Evaluate and interpret key findings to provide solution	Evaluate Level 5
C230.4	Create/ design the scientific report and communicate effectively the research data	Create level 6
Project Based Learning: Under this course, the students have to complete a research project under the guidance of a mentor. Therefore, the learning from this course is completely Project-based.		