Jaypee Institute of Information Technology

Integrated M.Tech. Biotechnology

Semester XI

Course Descriptions

Detailed Syllabus

Lecture-wise Breakup

Course Code	**17M17BT112**	**Semester** EVEN	**Semester** XI and M.Tech II sem **Session** 2018-2019 **Month from** January toJune
Course Name	**Project Based Learning-I**		
Credits	2	**Contact Hours**	2

Faculty (Names)	**Coordinator(s)**	DrAshwaniMathur
	Teacher(s) (Alphabetically)	DrAshwaniMathur

COURSE OUTCOMES		**COGNITIVE LEVELS**
CO1	Select biotechnological problems based on literature	Applying Level Level III
CO2	Interpret scientific data to address the biotechnological problem	Evaluate level Level V
CO3	Demonstrate an ability to function in a task oriented team with distribution of roles	Understanding Level 2
CO4	Analyze the research finding and conclude through presentation and project report	Analyzing Level 4

Detailed Syllabus

Lecture-wise Breakup

Course Code	**17M17BT216**	**Semester** Even	**Semester** M.Tech IV sem and Integrated XI sem **Session** 2018-2019 **Month from** Jan-June
Course Name	**Dissertation**		
Credits	16	**Contact Hours**	32

Faculty (Names)	**Coordinator(s)**	Dr Reema Gabrani
	Teacher(s) (Alphabetically)	Dr Reema Gabrani

COURSE OUTCOMES		**COGNITIVE LEVELS**
CO1	Identify the research problem and select suitable scientific methods to solve the given research problem	Apply Level 3
CO2	Formulate the plan and test for hypothesis	Create level 6
C03	Assess the key findings and interpret the data	Evaluate Level 5
C04	Compose the written scientific report and effectively present the data	Create level 6

Detailed Syllabus

Lecture-wise Breakup

Course Code	**17M17BT217**	**Semester** Even	**Semester** M.Tech IV sem and Integrated XI sem **Session** 2018-2019 **Month from** January to June
Course Name	**Industrial Project**		
Credits	16	**Contact Hours**	32

Faculty (Names)	**Coordinator(s)**	Dr Reema Gabrani
	Teacher(s) (Alphabetically)	Dr Reema Gabrani

COURSE OUTCOMES		**COGNITIVE LEVELS**
CO1	Choose an organization and relevant project as problem	Apply level 3
CO2	Propose a research plan on acquired scientific concepts and tools to address the defined problem	Create Level 6
C03	Test for and analyze knowledge to construct solution for the identified problem	Evaluate level 5
C04	Compose and present the work done and discuss the research outcomes	Create Level 6