

Course title: Major project			
Course code: BBP 104	No. of credits: 24	L-T-P: 0-0-672	Learning hours: 672
Pre-requisite course code and title (if any):			
Department: Department of Biotechnology			
Course coordinator: Dr Pallavi Somvanshi		Course instructor: Dr Pallavi Somvanshi	
Contact details: pallavi.somvanshi@terisas.ac.in			
Course type: Core		Course offered in: Semester 4	
Course objectives:			
<ol style="list-style-type: none"> To provide the students an opportunity to work on basic and applied live research projects To allow students to apply appropriate technical skill-sets learnt during prior course work To promote creativity and innovativeness for solving real life problems Create capacities to address research questions using multi-disciplinary approach. 			
Learning outcomes:			
<ol style="list-style-type: none"> Students will be able to- <ul style="list-style-type: none"> -define a research problem -design appropriate experiments -undertake data collection and analyse -draw logical inferences -report outcomes in a systematic manner -Innovate solutions to societal problems Students will be able to work independently and as part of a team. Students will be able to make effective presentations before a diverse audience. Students will acquire transferable problem-solving skills using multi-disciplinary approaches. 			
Evaluation Criteria:			
<ol style="list-style-type: none"> Timeline adherence (10 marks) (consisting of: joining report (1), topic (1), synopsis (3), progress report (1 each), feedback form (1). All the reports including joining, progress, synopsis, feedback etc. should be uploaded on the student portal account. Feedback from the Host Organization/Supervisor (20 marks) Dissertation (40 marks) Presentation and viva (30 marks) <ul style="list-style-type: none"> (The presentation will be evaluated based on the contents, delivery (structure and flow), research component and timing of the presentation) The students scoring less than or equal to 50% (or $\leq 50\%$) overall marks in the evaluation would be considered fail. If the student fails to appear for the Major Project presentation on the presentation date assigned by the TERI SAS then the candidate will be assigned zero marks for the presentation and will be graded accordingly. 			

(g) If plagiarism is detected through the use of turnitin software, it will be referred to the MPEC, which would take a decision and penalty to be imposed/ disciplinary action to be taken.

The MPEC may refer to the following guidelines:

Percentage of similarity	% marks deducted from Dissertation
> 50	100
> 30≤50	50
> 10≤30	25
≤ 10	10

(h) Grading of the Major Project would be done as per the following criteria:

>90	A+
>85≤90	A
>80≤85	B+
>70≤80	B
>60≤70	C+
>55≤60	C
>50≤55	D
≤50	F

Employability:

1. Research and Development (academic and industrial sectors)
2. Bio-business companies, breweries, seed industries, pharmaceutical companies, dairies, food processing.
3. Agro-Industries
4. Forensics
5. Diagnostic centres
6. Regulatory and funding agencies, law firms and knowledge processing offices (KPOs) for Intellectual Property (IP) management.
7. Teaching and training (Academic Institutions, Industries, KPOs and NGOs).