

WBL488 Work-Based Learning (WBL) Applied Project

Level: 4

Credit Units: 10 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY SEMESTER

Synopsis:

"This course enables students pursuing the Minor in WBL to undertake an applied project that combines the knowledge and skills gained from the WBL core and unrestricted electives from different disciplines, or courses from partnered polytechnics or companies. This course requires students to formulate and devise workplace or work-based solution for industries or developing an applied solution that transcends disciplinary domains. Students have to work closely with a supervisor/instructor* to develop feasible solutions, to solve complex problems, or to improve a sectorial outcome.

*Supervisor/instructor: full-time faculty, associate faculty, adjunct faculty, industry fellow, or instructor with more than 5 years of relevant industry experience, supported by Provost, Dean/Director, or HoP."

Topics:

- Megatrends of industries
- Problem definition for work-based or industry challenges
- Problem-Solving for projects
- Literature or industry review
- Solution Design – Planning and Establishing Milestones
- Project Proposal Writing
- Qualitative and Quantitative Approaches
- Data Collection
- Analysis of Data
- Recommendations
- Project Report Writing
- Project Presentation

Learning Outcome:

- Discuss an applied project across different industries or domains
- Construct the problem statements for the applied project
- Formulate an applied project with clear defined parameters
- Evaluate information critically in reviewing project proposal
- Plan the delivery milestones for the applied project
- Critique the impact of the project proposal
- Apply knowledge and skills for complex problem solving
- Experiment with various alternatives for the solution
- Relate the solution to the applied project problem
- Implement the project proposal
- Recommend solutions in a clearly written project report
- Defend project outcomes to peers and supervisor and/or mentor

Assessment Strategies (Evening Class):

Components	Description	Weightage Allocation (%)
Overall Continuous Assessment	PROJECT PROPOSAL 1	20
Overall Examinable Components	Oral Exam	20
	FINAL REPORT	60
Total		100