

Course Title	Project Management and Evaluation			Course Code	BST 32432		
Year	3	Semester	2	Credits	02	Theory (hr)	15
						Practical (hr)	30
						Independent Learning (hr)	

**Aim of the Course:**

To provide the knowledge and skills required to identify, select, analyze, monitor and evaluate a project

**Intended Learning Outcomes:**

*After completion of this course, the learner should be able to:*

- Apply the principles of project management to design and implement a project, in general, and a bio-system based technology-oriented project, in particular.
- Evaluate, *an-ante* and *ex-post*, a bio-system based technology-oriented project using the appropriate methods and techniques for its success and failure.
- Prepare a detailed Project Report for a potential client on a specific bio-system based technology-oriented project.

**Course Capsule:**

Theory
Project: Definition and Life Cycle; Aspects of Project Preparation and Analysis; Core Project Management Processes – Scope, Schedule, Budget and Quality; Supplementary Project Management Processes – Team, Stakeholder, Information, Risk and Contract; Project Costs and Benefits; Incremental Net Benefit; Measures of Project Worth: Selection & Assessment Criteria; Discounted Measures; Present and Future Value of Money; Net Present Value and Benefit Cost Ratio; Internal Rate of Return; Sensitivity Analysis; Cost Effectiveness Analysis; Recent Trends in Project Management and Evaluation

Practical
Project Definition and Life Cycle – Conceptualization Group Work; Project Management Processes – Mind Mapping and Poster Preparation; Measures of Project Worth: Selection Criteria and Assessment Criteria (Undiscounted and Discounted Measures) – Tutorials and Development of the Case; Measures of Project Worth: Assessment Criteria – IRR, Sensitivity Analysis – Tutorials and Development of the Case; Environmental and Social Impact Assessments; Compilation of Course Portfolio

**Assessment:**

Continuous assessment: 30%  
 End semester assessment: 70%