Course title: Introduction to Management Techniques – Part II									
Course code: ENR 183	No. of credits: 2		L-T-P: 19-9-0	Learning hours: 28					
Pre-requisite course code and title (if any):									
Faculty: Dr. Manipadma Datta / Dr. Ritika Mahajan		Department: Department of Energy and Environment							
Course coordinator: Mr Naqui Anwer		Course instructor: Dr. Manipadma Datta/ Dr. Ritika Mahajan							
Contact details:									
Course type: Core		Course offere	ed in: Semester 3						

Course description:

With the felt need of the industry to have professionals that are not only technically sound but also well conversant with the best management practices, this course has been designed to equip M.Tech (REEM) students to tackle basic management of business units and resources. This course will give the students a basic exposure to the world of business and management. They will also be taught some financial tools and techniques so as to equip them with the understanding of business sustainability.

Course objectives:

- To develop awareness of basic business and management principles.
- To develop some skills to handle some basic financial business problems

Module	Topic	L	Т	P
1	Module 1:	2		
	Corporate Social Responsibility:			
	✓ Strategic use of CSR to develop equity			
2	Module 2:	2	1	
	Corporate Financial Reporting:			
	Accounting Information systems			
	Sourcing Financial Information for Decision-making			
	✓ Balance Sheet, Income Statement and Cash-flow Statement			
	✓ Annual Reports			
	✓ Unaudited Quarterly Financial Statements			
3	Module 3:	3	1	
	Financial Performance Analysis:			
	✓ Intra and Inter-firm comparison			
	✓ Profit projection			
4	Module 4:	4	2	
	Cost Estimation, Accounting and Absorption:			
	✓ Cost Classification and Cost Sheet			
	✓ Materials, Labour and Overheads			

5	Module 5: • Cost-Volume-Profit Analysis:	3	2	
	✓ Break-even Analysis✓ Management Decisions based on Marginal Costing			
6	Module 6:	3	3	
	 ■ Budgetary Control: ✓ Functional Budgets and Master Budget ✓ Flexible Budgeting ✓ Variance Analysis 			
7	Module 7:Case studies relevant to RE business enterprises.	2		
	Total	19	9	

Evaluation criteria:

Quizzes 40% Mid-terms 30% Final Examination 30%

Learning outcomes:

- To understand the basics of management principles and organization behavior.
- To understand the optimization of financial resource allocation and its use.
- To understand the business perspective of the emerging sector of renewable energy.

Pedagogical approach:

A combination of class-room interactions, tutorials, assignments and projects.

Materials:

References:

- 1. Management Principles and Practice, by Koontz and Weihrich
- 2. Organization Behaviour, by Robbins
- 3. Financial Accounting: a managerial perspective, by Narayanswamy
- 4. Cost Accounting: Theory and Practice, by B. Banerjee

Additional information (if any): NA

Student responsibilities:

Attendance, feedback, discipline: as per university rules.

Course reviewers:

- 1. Dr G.C. Tripathi, NTPC Ltd.
- 2. Mr Mahesh Vipradas, Suzlon Energy Ltd.