

Finance for Engineers – Audit Course		
S. No.	TOPICS	Required time in Hours
1	Basics of Accounting Debit, Credit, Books of accounts ,Ledgers Cash flow statements, Assets and Liabilities	2
2	Understanding Balance Sheet and Profit & Loss Statement of Companies with Examples of actual Balance Sheets of Small, Medium, Large Size Companies.	2
3	Conceptual Understanding of Cost, Expense, Gross & Net Profit, ROI, Dividend, Depreciation, Taxes, Duties, Reserves, Insurance	2
4	Finance for Startups- Govt Schemes / PSU &PSE Bank Finance, Bank Scrutiny for approvals etc.	2
5	Project Budgeting, Capex, Opex and Importance of tracking cost of projects in execution	2
6	Key financial ratios, their interpretation, comparison of ratio with competition to identify improvement areas etc.	2
7	Introduction to Personal Financial Portfolio Management with Govt and Private Agencies :Key Options of Savings/ Investment – Debt, Equity, etc. Brief Introduction to Mutual Funds and Stock Market	2
8	Case studies. Quizzes, study reviews - spread over few sessions Student Presentations, Q-A with Students etc.	6
	Total	20 Hours

Module Overview:

Usually 4 yearsof UG Engineering Course, does not includeformal education in Finance (&Accounts). Students get introduced to Costing during their final year project. This course is aimed at covering basic concepts, definitions associated with financialmanagement. It also covers:

- Terminology such as Capex, Opex, ‘Return on Investment’, profitability.
- Financial Aspects of Project Management.
- How to read the Balance sheet of a Company for Small, Medium and Large Size
- Info about formal courses on Finance and Accounting at PG after Engineering.

Financial accounting process is more detailed and not really necessary for Engineering Students. However, they need to understand financial statements and their importance and impact to business. They also need to understand how to make financial proposals for any technical projects.

In this course students get a chance to present a case study, based on ‘own’ findings. Thereby learn importance of good Financial Management over and above Engineering and Technology.

References:

Finance for Non-financial Managers (Teach Yourself)
Ramsden, Philip

http://longfiles.com/hmnr9uj4z/Finance_for_Engineers_Evaluation_and_Funding_of_Capital_Projects_ebook3000.pdf.html