Programme: B.Tech. (CSE, ECE, CCE) Year: 4th Semester: 7th

**HSS4021: Basics of Finance and Soft Skills**

Course :HSS-4021 (BSSK) Credits : 4 Hours : 40

**Course Context and Overview (100 words): It is to introduce the students to the basic aspects of finance as required for these engineers to understand the business context in which they will be researching, creating or providing IT solutions.**

**Prerequisites Courses:**

**None**

**Course outcomes(COs):**

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| --- |
| **On completion of this course, the students will have the ability to:** |
| CO1 Identify and understand the sources and uses of financial capital, the criteria for allocation of capital and items of the Balance Sheet. |
| C02 Understand day-to-day use of capital in the operations of a company, various measures of profitability and to identify items of the Income Statement and Cash Flow Statement. |
| C03 Explore IT’s increasing role in managing the conflicting issues of quality, cost and time. |
| C04 Appreciate and align with a CEO’s mindset in managing expectations of various stakeholders. |
| C05 Be familiar with financial terminology and jargon. |
| C06 Contribute effectively in teams and make formal presentations. |
| C07 Appreciate aspects of professional development and ways of raising one’s performance. |

**Course Topics:**

|  |  |  |
| --- | --- | --- |
| **Topics** | **Lecture Hours** | |
| **UNIT - I**   1. **Topic**: **Capital** |  |  |
| 1.1 Criticality of capital; Types and sources | 3 |  |
| 1.2 Time value, Cost of capital & making an IPO | 3 |
| 1.3 Uses of capital (Capex and Opex); Allocation of capital | 2 |
| 1.4 Making a Balance Sheet; Case studies: TCS, Infosys B/S | 1 | 9 |
| **UNIT - II**   1. **Topic: Profitability** |  |  |
| * 1. Revenue, Earnings quality; Costs | 3 |
| * 1. Managing trinity of quality-cost-time | 3 |
| * 1. Cash Flow & Financial ratios | 2 |
| * 1. IT as driver of profitability | 1 | 9 |
| **UNIT - III**   1. **Topic: Trust of Stakeholders** |  | 9 |
| * 1. Types of stakeholders and their needs | 3 |
| * 1. Financial system & its players | 3 |
| * 1. New areas: crowd sourcing & customization | 3 |
| **UNIT - IV**   1. **Topic: Other aspects** |  | 8 |
| * 1. Entrepreneurial mindset | 1 |
| * 1. Making presentations | 4 |
| * 1. Team working & Leadership attributes | 1 |
| * 1. CV, GD, PI, SOP | 2 |  |

**Suggested Reading: Reference Books / Journals:**

1. *Fundamentals of Financial Management* by James C. Van Horne & John M. Wachowicz, Jr. 2. *Finance for Managers*, Harvard Business School Press. 3. *Financial Intelligence for IT Professionals,* Karen Berman & Joe Knight, Harvard Business Press 4. *The Economist* (weekly magazine available in the Library)

**Additional resources:**

1. *Web sites: McKinsey, Boston Consulting Group, Accenture*  2. TED talks: announced from time to time

**Additional Resources (NPTEL, MIT Video Lectures, Web resources etc.):**

**Evaluation Methods:**

|  |  |
| --- | --- |
| Item | Weightage |
| Attendance | 5%  5%  15% |
| Class participation |
| Presentations |
| Midterm | 30% |
| Final Examination | 45% |

**Course Instructor:**

**Last Update:­27 April 2016­**