E-302: COMPUTERS FOR MANAGEMENT

Objectives
The objectives of this course include developing an appreciation of different software and hardware systems available in the industry among the participants and build up the experience of computer usage in business organizations with specific reference to commercial data processing systems.

Course Contents

Unit – I: Introduction to computer – basic block diagram, input, output devices, hardware and software, generation of computer, computer languages, Operating system:

Unit – II: Communication technology: Data Transmission media, Digital and Analog Transmission, Switching mechanism, TCP / IP, OSI – ISO, topology, LAN (Router, swatch, hub), WAN, concept of internet.

Unit – III: Programming concepts: data flow diagrams, database concept, RDBMS.

Unit – IV: IT application in different functional areas its advantage and disadvantage (finance, marketing, HR, manufacturing etc.).

Unit – V: Practical use of computer, word process, spread sheet, presentation, Ms-access.

Suggested Readings
1. Burch, John and Grudnitski Gary, Information Systems: Theory and Practice, 5th ed., New York, John Wiley.
2. David, Van Over, Foundations of Business Systems, Fort Worth, Dryden, 1992.
3. Eliason, AL. On-line Business Computer Applications, 2nd ed., Chicago, Science research Associates, 1987.
4. Estrada, Susan, Connecting to the Internet, Sebastopol, CA, O'Reilly, 1993.
5. John, Moss Jones, Automating Managers: The Implications of Information Technology for Managers, London, Pinter, 1990.

The list of cases and specific references including recent articles will be announced in the class at the time of launching of the course.

(*Plus* **three** papers from **major** area of specialization)

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13/2/18