
RMGMT-304 ICT Development and Management (ક્રેડિટ-૫)

Objective:

- Understand the ICT technology.
 - To Introduce the Use and Implementation of E-Commerce, M-Commerce.
 - Understand the E-government science and practices towards to development and rural domain.
 - Role of ICT in Sustainable development.
 - Technological advancement, innovation and trends.
 - Featured Technology
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Unit-1 E-Commerce

- What is E-commerce, Advantages and Disadvantages of E-Commerce? Types of E-commerce
- E-Commerce System Architecture. Electronic Data Interchange.
- Electronic Payment System. Security in E-commerce
- Scope of M-Commerce, M-Commerce application

Unit-2 E-Government and E-Governance

- What is e-government and Thumb Rule, Benefit and Stages
- E-Government and e-Governance. Vision, Strategy and Architecture. Indicator (PPT), implement process (PPP)
- E-Government Readiness and framework. Technology and Standard: data center and gateway.
- Security Management Model. Digital Divide and Model
- E-Government and cyber law. Managing E-Government

Unit-3 ICT for Sustainable Development

- ICT for Sustainable Development. ICT in Rural development domain. NIC role in informatics development
- GSWAN technology and E-GRAM concept
- ICT based Rural Project in India
- ICT Programme in India. ICT initiative by State, District, Taluka level

Unit-4 Technology Management

- Technology: concept, definition, issues and implication.
- Technology Management. Generation and Development
- Innovation in Technology
- Trends in Technology
- Case study

Unit-5 Featured Technology

- Mobile technology
- Internet of things
- Cloud computing
- Green computing
- Open source software technology
- Digital entertainment business practices. Robotics and 3D printing

Books:

1. Comer 4e, Computer networks and Internet, Pearson Education.
2. E-commerce by Joshep
3. E-Government by j. satyanarayana
4. Management Of Technology by Khalil, Tata McGraw-Hill Education, 2009
5. Management of Technology and Innovation by P N Rastogi *SAGE Publications Pvt. Ltd*

Lab:

Application in Rural Management

- E-commerce and M-commerce: Example, Payment system.
- NIC Case study
- ICT Project by Government, Private and Development sector.
- Cloud computing
- Mobile Technology
- Open source software