

Academic Year: (2020 / 2021)

Review date: 11-04-2018

Department assigned to the subject: Department of Computer Science and Engineering

Coordinating teacher:

Type: Electives ECTS Credits : 6.0

Year : Semester :

DESCRIPTION OF CONTENTS: PROGRAMME

I - The global digital world

1. The global digital world
2. Value of information in the global economy
3. Policy, Regulation and Globalization in Information Technology

II - Paradigms and models of global information systems

1. Internet, the Web and the Internet of Things (IoT)
2. Distributed computing and storage systems.
3. From systems to services: service-oriented architecture.
4. Virtualization and Cloud Computing.
5. Cloud service models.
6. Implementation of services in the cloud: practical aspects.
7. Big data paradigms for companies.

III - Design of Global Systems

1. High-performance IT systems for enterprises.
2. Data Center Standards
3. Planning, prevention and response for disaster recovery

% end-of-term-examination: 60

% of continuous assessment (assignments, laboratory, practicals...): 40