Department of Information Communication Technology
FacultyofComputing
UniversityofDelta,Agbor,Nigeria

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OfficeHours:Monday,Tuesday,Wednesday, Thursday&Friday8:00am-4:00pm
Therearemanywaystoreachme.Thereisnosubstituteforface-to-facecommunicationwhichoftenleadstomorerefinedandfocusedquestionsresulting in your improved understanding. I strongly encourage you to takeadvantage of my office hours. Questions during class or immediately after classare always welcomed. Email and DLMS are easy ways to ask questions outside of class butarenotproductive asface-to-facecommunication.

MeetingTimeandPlace:Friday,2:00pmto4:00pm,FOCLH6

Attendance
Attendance is mandatory. You are expected to attend every class. If you must miss a class, it is your responsibility to make up forthe work that you missed. If you are going to be absent from any class, you must please notify theinstructorinadvance.

MethodsofInstruction
Thissyllabuscontainsanoverviewofwhatwillbecoveredinclass;forspecificinformation,studentsarereferredtotheclasswebpageavailableontheUniversitywebsite.Lectures will be delivered via demonstrations using the white board. Mandatory AssignmentswillbepostedonUniversityofDeltaLMSorgivenintheclassandshouldbesubmittedthroughUniversityofDeltaLMS.Classattendance,doingallyourlaboratory worksandhomeworkwillhelptheborderlinecases.

Overview
Information Technology is integral to modern business operations, driving efficiency, innovation, and competitive advantage in the digital age. By applying technological tools and systems to manage, process, and exchange information in business, information technology is able to leverage e-commerce platforms, online marketing, and digital advertising in order to reach customers and conduct transactions in the online marketplace.An effective knowledge of information technology in business is important for students in information communication technology department.Theobjectiveofthisclassencompasses theoretical knowledge that is necessary for students intending to pursue careers as Business Analyst, Project Manager,, Cloud Architect, Network Administrator and other related fields. This course focuses mainly on the overview of e-business, strategic use of information technology for competitive advantage, impact of e-business on organizations, telecommunication in business,data and knowledge management, and entity relationship diagrams.

Objectives
The objectives of this course are to: (i) understand the overview of e-business from design to operations of organizations engaging in fast paced competitive global environment; (ii) seek to understand the concept of e-business and its strategic use for competitive advantage; (iii) comprehend the various telecommunications approaches in business; (iv) have an abreast knowledge of data and knowledge management; and (v) instill in students the theoretical and practical application of entity relationship diagrams

Learning outcomes

Upon completion of this course, students should be able to: (i) explain the concept of e-business and different business models, revenue models that organizations need to utilize in order to stay competitive; (ii) discuss the various strategic ways Information Technology can be used for competitive advantage; (iii) describe the impact of e-business on organization, globalization, and the its impact on options created through applied technology; (iv) have an overall depth knowledge of Telecommunication in Business ; and (v) be acquainted with Data and Knowledge Management as it pertains to database and models, entity relationship diagrams, database manipulation, database architecture, web database and data mining/warehousing

Course Contents

An overview of e-business from design to operations of organizations engaging in the fast paced highly competitive , global environment of e-commerce, e-business, strategic use of Information Technology for Competitive advantage, e-business impact on organization, globalization, and the impact on options created through applied technology. Telecommunications in Business: Description of the Internet, Intranets and Extranet and relationships, Internet websites, Domains and www (Site name, Points of Presence, Line Capacity, Site Maintenance etc) Business on the Internet (e-commerce, EDI, Exchanges and Auctions), Ethical, Societal and Business rules. Data and knowledge Management: Data Bases and Models: Hierarchical, Network and Relational, Object-Oriented Structure of Data and Knowledge Management, Entity Relationship Diagrams, Components of Database Management Systems, Data Manipulation and Structured Query Languages, Database Architecture, Web Databases ,Data Mining/Warehousing Knowledge Management Overview

Lecture Schedules

Week	Content	Lecture notes/slides
1.	An Overview of e-business from design to operations of organizations engaging in fast paced highly competitive, global environment of e-commerce	Lecture Notes
2.	e-business, strategic use of Information Technology for competitive advantage	✓
3.	e-business impact on organization, globalization, and the impact on options created through applied technology	✓
4.	Telecommunication in Business	✓
5.	Description of the Internet, Business on the Internet	✓
6.	Ethical, Societal and Business Rules	✓
7.	Data and Knowledge Management: Database Models	✓
8.	Entity Relationship Diagrams	✓
9.	Test	
10.	Components of Database Management Systems	✓
11.	Data Manipulation and Structured Query Language	✓
12.	Database Architecture, Web Databases	✓
13.	Data Mining/Warehousing Knowledge Management Overview	✓
14.	Revisions	
15.	FinalExam	

Examination schedule

- Attendance
- Homework
- ClassTest
- Practicalexercises
- EndofSemesterExam

PracticalExercises

1.   Design Websites using different e-business models
2: Design Entity Relationship Diagrams
3: Design Databases using different database models

4. Manipulate each database using structured query language

Grading
- Homework:10%ofgrade
- Practical:10%ofgrade
- MidtermExam:10%ofgrade
- FinalExam:70%ofgrade

Text&References
1. Hamed T. (2023), Introduction to E-Business. EAI/Springer pp 1-24
2. Colin C. (2006), Introduction to E-Business: Management and Strategy
3. National Open University of Nigeria (2017). E-business. https://nou.edu.ng
4. Sunanda Y. (2019). Role of Data and Knowledge Management in Business

StudentConduct
All students enrolled at the University shall follow the tenets of common decency and acceptablebehaviorconducivetoapositivelearningenvironment.Thecodeofstudentconductisdescribedin detailinthestudenthandbookorUniversitywebsite.

AcademicHonesty
"All students enrolled at the University shall follow the tenets of common decency and acceptablebehavior conducive to a positive learning environment." It is the policy of the University, that noform of plagiarism or cheating will be tolerated. Plagiarism is defined as the deliberate use of another'sworkandclaimingitasone'sown.Thismeansideasaswellastextorcode,whetherparaphrasedorpre sented verbatim (word-for-word). Cheating is defined as obtaining unauthorized assistance on anyassignment.Propercitationofsourcesmustalwaysbe

utilizedthoroughlyandaccurately.Ifyouarecaughtsharingorusingotherpeople'sworkinthisclass,youwillr eceivea0gradeandawarningonthe first instance. A subsequent instance will result in receiving an F grade for the course, and possibledisciplinaryproceedings.Ifyouareunclearaboutwhatconstitutesacademicdishonesty,ask.