1.	Name of Course					E-Commerce system						
2.	Course Code				CCI	CCPS4563						
3.	Name(s) of academic staf	f										
4.	Rationale for the inclusio	n of the	e .		major							
	course/module in the programme					E-commerce is among the most important technological and market trends of the 21st century. Many new e-commerce applications are significantly benefit from emerging data communication and mobile networks. Advances in e-commerce have resulted in significant progress towards strategies, requirements, and development of e-commerce applications. This module is devoted to introduce students to e-commerce and train them to strategize and create E-commerce and mobile commerce applications. It focuses upon the development of software application using fourth generation languages, address networking requirements, discuss support from wireless carriers, and present some open research problems.						
5.	Semester and Year offere	d			1/4							
6.	Total Student Learning	Face t	to Fa	ce		Total Guided and Independent Learning						
	Time (SLT)			1	1							
	L = Lecture	L	т	P	0	Independent study=84 hours						
	T = Tutorial					Total =136						
	O= Others	28	1.1	_		Total =126						
	0- others	20	14 0 0									
7.	Credit Value				3							
8.	Prerequisite (if any)				none							
9.	Objectives: This subject is designed to introduce the students to: • the main concepts related to E-Commerce and Mobile Commerce • the e-commerce technology and infrastructure; • the major EC software packages and EC application suites • the major steps in developing e-commerce and Mobile Commerce applications • methods for connecting E-Commerce and Mobile Commerce to back-end systems and databases											
10.	Learning outcomes:					,						
	Upon completion of this subject, students should be able to:											
						ommerce and Mobile Commerce.						
	 Describe the major EC applications and their major functionalities Discuss the major EC software packages , infrastructure and application suites 											
	-				-							
						upporting E-Commerce and Mobile Commerce						
	 Describe the major steps in developing e-commerce and Mobile Commerce applications. Describe various methods for connecting E-Commerce and Mobile Commerce to back-end systems and databases Discuss the security issues involved in conducting business transactions on the internet. 											
	Develop a prototype of an e-commerce and Mobile Commerce application											
11.	Transferable Skills:											
	 explain the process of introducing e-commerce applications into an organization; 											
						e-commerce application and help the organization to develop a high						
	 quality system consistent with organizational business goals. Develop appropriate security policies and guidelines for e-commerce systems. 											
					_	,						
	Communicate effectively about database systems, with specialists and non-specialists.											

12.	Teaching	-learning a	nd assess	ment strat	egy									
	A variety of teaching and learning strategies are used throughout the course, including:													
	•	Classroom lessons. Lectures and Power Point presentations Tytogial assigns.												
	•	Tutorial s	essions											
	•	brainstor	ming											
	•	Lecturer-	led probl	em-solving	sessions									
	•	collabora	tive and	co-operativ	e learning;									
	•	Independ	lent study	<i>/</i> .										
	Assessme	ent strategi	es include	e the follow	/ing:									
	•	Performa	ince Asse	ssment (Pro	oject, Assig	ned exerci	ses)							
	•	Lecturer	Observati	ion										
	•	Quizzes,	tests, and	examination	ons									
13.	Synops	is:												
				roduce stud										ıd
				rs. It focuse										
			networkir	ng requirem	nents, discu	iss support	from wire	eless carrie	rs, and pre	sent :	some	open r	esearc	h
	problems													
14.	Mode of	Delivery:												
	•			. Lectures a	nd Present	tations								
4.5	•	Tutorial s												
15.		ent Metho				. f								
	The asses	sment for	this cours	se will be ba	ased on the	rollowing	:							
					C	oursework	50%							
	•	Midterm	tost		CC	20%	30%							
	•		test			20%								
		Project	nd Acciar	amonts		10%								
	•	quizzes a	ınd Assigr	iments	Final Ev	amination	50%							
					I IIIai LA	ammation	100%							
16.							Mappi	ng of the c	ourse/mod	dule t	o the	Progra	mme /	Aims
	A1	A	2	A3	A4	Δ	5	A6	A7		A			١9
	3	3		3	1		3	2	1	-	3			0
	3	3	'	<u> </u>		,								-
17.				1	1			e/module						
	LO1	LO2	LO3	LO4	LO5	LO6	LO7	LO8	LO9	LO	10	LO11	L I	LO12
	3	3	4	1	4	2	1	3	3	:	l	1		0
18.				Content of	outline of t	he course	/module a	nd the SLT	per topic					
									•				LT	
													LI	
					I	Details					L	т	Indep.	Total
											_		lnd	70
		• Cou	rse Intro	duction.										
		• Intr	oduction	to e-comm	erce									
		•	E-comm	erce and its	s various ca	ategories								
		•	The 'aut	omate' imp	erative – t	he 'inform	ate' imper	ative –						
	Ħ	•	the eme	rgence of n	ew 'socio-	economic'	systems (e	e.g. ecomm	erce as a r	iew				
	Topic 1			catalogue s			,	Ü			2	1	6	9
	2	•		nomic impa		organizat	ions, consu	umers, and	society.					
		•	limitatio			-		•	•					
		Early Developments in e-commerce												
		•		pes of EC to										
L	<u></u>	•		ition in the							L	L		
			•			-								

Topic 2	 E-commerce in various business settings 'Pure Systems Vs Hybrid Systems' – Kiosks – e-commerce in Banking/Finance, Manufacturing, and Retailing EC business models Business-to-Consumer (B2C) e-Commerce Business-to-Business (B2B) e-Commerce Consumer-to-Consumer (C2C) e-Commerce: The supply-chain E-Supply Chains, Collaborative Commerce, Intrabusiness EC, and Corporate Portals 	2	1	6	9
Topic 3	E-commerce processes: The nine essential e-commerce processes Access control and security Profiling and personalizing Search management Content management Payment Workflow management Event notification Collaboration and trading E-Marketplaces: Structures, Mechanisms, Economics and Impacts	2	1	6	9
Topic 4	E-commerce and M-commerce Technologies Technologies that are necessary for electronic commerce include: Information technologies Telecommunications technologies Internet technologies E-commerce and M-commerce toolkits Major software packages and application suites. Microsoft Adobe Open Source	4	2	12	18
Topic 5	Building E-Commerce Applications and Infrastructure e-commerce infrastructure and networking requirements Major EC application development options and their benefits and limitations. Various EC application outsourcing options including the use of an application service provider (ASP), Wireless application service provider (WASP) and utility computing. Service-oriented architecture (SOA) and its relationship to EC. Planning and designing an e-commerce application Building an e-commerce web site Network reengineering to support e-commerce application Methods for connecting an e-commerce application to back-end systems and databases. Integrating Security and payment methods System performance analysis System Maintenance and management e-commerce systems merging Introduction to WebSphere Commerce. (by IBM)	6	3	18	27

	I	Mahilla Communication Communication	1							
		Mobile Commerce and Pervasive Computing								
		mobile commerce applications								
		Mobile Commerce opportunities and challenges								
		 Designing and development considerations of M-Commerce 				ĺ				
	9	Architecture and Protocols								
)ic	 Mobile Commerce: Framework and Networking Support 	4	2	12	18				
	Topic 6	 the mobile computing environment 	ľ	_		10				
		 major types of wireless telecommunications networks and wireless carriers 								
		supporting Mobile Commerce								
		 mobile transaction network 								
		 configuring Mobile Commerce portals 								
		 The key characteristics and current uses of pervasive computing. 								
		E-Commerce and M-Commerce Security								
	Topic 7	the basic elements of EC security								
		the trends in computer and network security attacks								
		the common security practices of businesses of all sizes								
		 common mistakes that organizations make in managing security 								
		The major technologies for securing EC communications.								
	opi	the major technologies for securing EC networks components	4	2	12	18				
	Ĕ	agent based secure E-payment								
		The types of fraud on the Internet and how to protect against them.								
		Secure Socket Layer (SSL) Digital Wallet								
		Digital Wallet Groups Floring in Transporting (CET)								
		Secure Electronic Transaction (SET) Flatonic Property Contract The transit Property of Contract The								
		Electronic Payment Systems								
	00	Electronic payments processes								
	<u>i</u>	 Technology Requirements for Processing Credit Cards online. 	2	1	6	9				
	Topic 8	 various online alternatives to credit card payments 		1	U	9				
		smart cards								
		 The processes and parties involved in e-checking. 								
	_	Selected Topics in E-Commerce and M-Commerce								
	Topic 9	Introduction to WebSphere Commerce.	_	1	6	9				
	ō	Case studies: On-line Commerce systems (successes and failures)	2							
	-	Present some open research problems								
		Total SLT								
			28	14	84	126				
10	Ba-i f									
19.		erences supporting the course: Kenneth Lauden, and Carel Guersia Trayer, Flostropic Commerce: A Managerial Perspec	tivo 20	10 / 0+	┡ 도억;т.	on\				
	1.	Kenneth Laudon and Carol Guercio Traver, Electronic Commerce: A Managerial Perspec	uve 20	TO (pt	ıı Eaiti	onj				
	_	(Prentice Hall), 2009	Dec -+:	00 (4+1	. Falta! -	۱, س۱				
	2. Dave Chaffey, E-Business and E-Commerce Management: Strategy, Implementation and Practice (4th Edition)									
	A dditio	(Prentice Hall),2010 nal references supporting the course:								
		•	& San	s Incl	2002					
	1. Norman Sadeh , M-Commerce Technologies, Services, and Business Models, (John Wiley & Sons, Inc), 2002									
	2. Janice Reynolds, The Complete E-Commerce Book: Design, Build & Maintain a Successful Web-based Business,									
	(CMP Books), 2004									
	3. Lynie Arden ,Start Your Own E-Business, (2nd Ed.) (Entrepreneur Press),2009									
	 Peter Swithinbank, Charles Ackeifi, Jennifer Allan, planning and Managing the Deployment of WebSphere Commerce (1st ed.), (IBM redbooks), 2008. 									
20	Othorad	ditional information								
20.	Other ad	All materials will be availab	lo to th	0 c+11	lonts s	nlina				
		All materials will be availab	e to tr	ie stuc	ients C	mime.				