



KINGDOM OF SAUDI ARABIA
 IMAM MOHAMMAD IBN SAUD ISLAMIC UNIVERSITY
 COLLEGE OF COMPUTER AND INFORMATION SCIENCES
 INFORMATION SYSTEMS DEPARTMENT
 MASTER OF SCIENCE IN INFORMATION SYSTEMS

المملكة العربية السعودية
 جامعة الإمام محمد بن سعود الإسلامية
 كلية علوم الحاسب والمعلومات
 قسم نظم المعلومات
 ماجستير العلوم في نظم المعلومات

SYLLABUS

Course Code: IS6225 **Course Name: Business Smart Systems**

CREDIT HOURS	4
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PREREQUISITE	None
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Instructor:
Contact information and office hours
Office No: To be announced (TBA)
Office Hours: TBA
E-mail: _____@imamu.edu.sa

COURSE DESCRIPTION
<p>Business Smart Systems describes the integration of business and technology to improve decision-making and organizational efficiency. These systems adopt emerging technologies in a way that delivers operational excellence in a cost-effective manner. The course covers topics such as data management, business analytics, and process automation. Students will learn about different smart systems and how they aggregate, analyze, and use data to make informed business decisions.</p>

COURSE LEARNING OUTCOMES (CLOs)		Aligned SOs
1	Knowledge and Understanding	
1.1	Understand the fundamental concepts of business smart systems.	K1
1.2	Review state of art researches to comprehend popular tools to implement business smart systems.	K3
2	Skills :	
2.1	Perform research to identify gaps in existing and standard systems in the field of business smart systems.	S1



2.2	Utilize the appropriate technology to meet the organizational needs of business smart systems.	S4
3	Values:	
3.1	Write course project reports abiding all ethical standards using leadership and management talents.	V2
3.2	Function effectively individually as well as on teams to accomplish a common goal	V3

TEACHING Strategies

Class lectures, Assignment, Project explanation session.

N o	List of Topics	Contact Hours	Self- Learning
1	Introduction to smart business systems and their role in business operations	4	
2	Data collection and management using smart business systems	4	
3	Business analytics and the use of smart business systems in data analysis	4	
4	Process automation and workflow optimization	4	
5	Cloud computing and the use of smart business systems for remote work.	4	
6	Internet of Things (IoT) and the use of sensors in business operation	4	
7	Artificial intelligence and machine learning for business applications	4	
8	Cybersecurity and data privacy considerations in smart systems	4	
9	Ethics and social responsibility in the use of smart business systems in industries and businesses	4	
10	Emerging trends and future directions in smart systems and their applications in business.	2	
11	Project presentation	2	
Total		40	

TEXT BOOK

Business Intelligence For Dummies by Swain Scheps

REFERENCES

- "The Rise of Smart Machines: Automation, AI and Robotics in Manufacturing and Industry" by Alastair Reynolds
- "Smart Business: What Alibaba's Success Reveals about the Future of Strategy" by Ming Zeng

Course Assessment Methods



No	Assessment Method	Due Week	% of Total Assessment
1	Quizzes	3	10
2	Assignments	5	10
3	Midterm	8	20
4	Project	10	20
5	Final Exam	11	40