Module: Strategic Management of Information Systems 361

Module name:	Strategic Management of Information Systems 361
Code:	MIS361
NQF level:	6
Type:	Speciality – Diploma in Information Technology (Business)
Contact Time:	42 hours
Structured time:	7 hours
Self-directed time:	21 hours
Notional hours:	70 hours
Credits:	7
Prerequisites:	BME161, ERP261

Purpose

Our world is changing, and so is the way that corporate business is done. In response, Information Systems need to be strategically designed to help firms realize maximum benefit from investment in personnel, equipment, and business processes. This gives a competitive advantage to organizations; helping them to deliver products or services that are at lower cost, differentiated, focused on a particular market segment, or innovative. This course will expose students to different strategies employed by corporate businesses to design information systems (IS) for business differentiation, sustainability, and profitability. It will explore the scope, role, and purpose of IS design as well as the management of such in modern organizations. At the end of your course,

Outcomes

Upon successful completion of this module, the student will be able to:

- Use their knowledge and skills in information systems and technology to help businesses create value for shareholders and stakeholders.
- Demonstrate their ability to relate various theoretical concepts to current IT industry trends
- Conduct research and critically evaluate a broad range of topics based on various case studies supporting the latest IT industry trends.

Assessments

Assessment is performed using a variety of instruments:

- Continuous evaluation of theoretical work through written assignments, group presentations, formative tests, and a summative test.
- Continuous evaluation through tracking of progress, offering support, guidance and provision of constant stream of opportunities to prove mastery of subject material and pursuing more challenging work as they master the basics.
- Final assessment through an examination.

Teaching and Learning

Learning materials

Prescribed books (EBSCO)

 📖 *Pearlson, K.E. and Saunders, C.S. .2012. Strategic management of information systems. 5th edition. New York: John Wiley and Sons. ISBN: 9781118322543.*

Additional Reference Material:

 📖 *BBC News Click. [Online] Available at: http://www.bbc.co.uk/programmes/n13xtmd5.*
 📖 *CIO IT strategy. [Online] Available at: http://www.cio.com/category/it-strategy/.*
 📖 *ComputerWorld. [Online] Available at: http://www.computerworld.com/.*
 📖 *Forbes Technology Council. [Online] Available at: https://www.forbes.com/sites/forbestechcouncil/.*
 📖 *Harvard Business Review. [Online] Available at: https://hbr.org/.*
 📖 *Sky News (Tech). [Online] Available at: http://news.sky.com/technology.*
 📖 *Wired. [Online] Available at: https://www.wired.com/.*

Learning activities

This course will be taught through the presentation of theoretical concepts, exercises, and discussions. It is case study-oriented with a practical approach, with mandatory assignments which must be completed during the course.

Notional learning hours

Contact	Distance	Other	Type of learning activities	% Learning
y	y	n	Lectures (face-to-face, limited interaction or technologically mediated)	40%
y	y	n	Tutorials: individual groups	20%
n	y	n	Syndicate groups	10%
n	y	n	Independent self-study of standard texts and references (study guides, books, journal articles)	10%
n	y	n	Independent self-study of specially prepared materials (case studies, multi-media, etc.	20%

Syllabus

- Linking systems to strategy and the organization
- Strategic use of information resources in a global economy
- IS Strategy: Architecture and Infrastructure
- Governance of the IS organization
- Sourcing IS around the world
- Ethical guidelines for information use