



# College of Management & Technology

Business Information Systems Department

2014 - 2017

## Message of BIS Head of Department

It is my pleasure to welcome you to the Business Information Systems Department (BIS). In my role as the department chairwoman, I am proud to introduce you to the BIS program that offers hands on latest computer skills coupled with business administration background. BIS is one of the top 10 fields in terms of job demand and high salaries for graduates. BIS is also a SAP University Alliance and a Microsoft partner.

BIS department offers International Programs and student exchange at well-known universities worldwide. It also provides students with local/International internship in the industry, where BIS interns already worked on real life projects in Pennsylvania-USA, Munich-Germany, Prague-Czech, Bratislava-Slovakia, and Vienna-Austria. BIS students are eligible to apply for ITIDA-ITAC, and constantly attend conferences such as ICCTA-IEEE, Techne Summit, ABRM and ICT in our Lives. They contribute in competitions such as Techne Summit and Computer Scientific Society (CSS), and participate in field trips, seminars, and workshops.

The BIS department has over 90% recruitment rate. Some entrepreneur graduates started their own businesses, while others are recruited at reputable local/International organizations, in all industries such as Business Solutions, Banking, Education, Pharmaceutical, Real Estate, and Web & Mobile Solutions. BIS graduates are leaders as Web/System analysts, Web/System designers, Web/System developers, Database Analysts, Social Media Specialists, ERP Specialists, and Mobile Application Developers.

So if you do not hate technology, and you have a passion to succeed, then join the BIS team.

*Sincerely,*

**Rasha Abd El Aziz**

*Associate Professor of BIS*

*SAP Certified Business Consultant*

*Head of Business Information Systems department*

*College of Management and Technology*

## BIS Vision and Mission

### BIS Vision

The BIS department will have a national leading position in HE and research; as we prepare students for exciting business careers. We shall do this by building and sustaining a diverse community of top-quality students, educators and internationally-acclaimed scholars who will work together towards realizing this vision.

### BIS Mission

The BIS department provides its students with knowledge and analytical thinking skills through innovatively designed courses that deliver quality internship and job placement all over the region. We also encourage scientific research in an open learning environment to serve the business and technological community.



## BIS Staff

### BIS Head of Department

Dr. Rasha Abd El-Aziz	Head of Business Information Systems Department, Associate Professor, PhD, University of the West of England, Bristol, England, UK
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### BIS Associate/Assistant Professors

Dr. Nermin Khalifa	Deputy Dean for Research and Postgraduate Studies, Associate Professor, PhD, Middlesex University, London, England, UK
Dr. Mohamed Mahmoud	Director of Computer Networks and Data Center, Assistant Professor, Alexandria University, PhD, Egypt
Dr. Asser Hassan	Head of Accreditation Unit AASTMT, Assistant Professor, PhD, University of the West of England, Bristol, England, UK
Dr. Nermin El-Essawi	Assistant Professor, PhD, Middlesex University, London, England, UK
Dr. Samar El-Khouly	Assistant Professor, PhD, Brunel University London, England, UK
Dr. Marwa Abd El-Ghany	Assistant Professor, PhD, Middlesex University, London, England, UK
Dr. Rehaballah El-Badrawy	Assistant Professor, DBA, AASTMT & PhD, Alexandria University, Egypt
Dr. Hend Abd El-Halim	Assistant Professor, PhD, University of Bolton, Bolton, England, UK
Dr. Sara El-Kheshin	Assistant Professor, PhD, Middlesex University, London, England, UK
Dr. Miran Ismail Hussien	Assistant Professor, PhD, Cardiff Metropolitan University, Wales, UK

## Teaching Associates

Ms. Shahinaz Ezzat	PhD Candidate, University of the West of England, England, UK
Ms. Lamiaa Mostafa	PhD Candidate, Cardiff Metropolitan University, Wales, UK
Ms. Nourhan Hamdi	PhD Candidate, Cardiff Metropolitan University, Wales, UK

## Teaching Assistants

Ms. Aya Awad	PhD Candidate, Portsmouth University, England, UK
Mr. Sherif El-Batanony	MBA, AASTMT, Egypt
Ms. Dina Yahia	MSc, IS major, AASTMT, Egypt
Ms. Bassant El-Srougy	MBA, AASTMT, Egypt
Ms. Menna-Allah Mostafa	MBA, AASTMT, Egypt
Ms. Salma Rayan	MBA, AASTMT, Egypt
Ms. Hend El-Shoubashy	MBA, AASTMT, Egypt
Ms. Hania El-Shouabshy	MBA, AASTMT, Egypt
Ms. Mai Morsy	MBA, AASTMT, Egypt
Ms. Salma Amer	MBA, AASTMT, Egypt
Ms. Omneya Kandil	MBA, AASTMT, Egypt
Mr. Ahmed Hassan	MBA, AASTMT, Egypt

## Administrators

Ms. Nayra Samy	Educational Coordinator for BIS Department
Mr. Mohamed Ali	BIS Department Assistant

## BIS History

BIS first launched the first Management Information Systems (MIS) program in Egypt in 1992; to reflect the fact that information technology is the backbone of businesses. Then, in 2005, the first and only E-Commerce program was established in response to the impact of the Internet on business practices. As with the rapid change and the strategy of continuous improvement, BIS programs have undergone a significant evolution to offer a new unified BIS program that delivers graduates who fill a gap in the marketplace.

### Previous BIS Chairmen

- ❑ Prof. Dr. Said El-Noshokaty
- ❑ Prof. Dr. Abd El-Fattah Hegazy
- ❑ Prof. Dr. Mohamed Kouta
- ❑ Prof. Dr. Meer Hamza
- ❑ Prof. Dr. Ahmed El-Ragal
- ❑ Prof. Dr. Medhat Fakhry
- ❑ Dr. Mahmoud Youssef
- ❑ Dr. Walid Abd El-Moez

## BIS Advisory Board and Partners

- General Manager, Teradata Egypt
- Noha Labib: Education Sector Lead, Senior Partner in Learning Manager, Microsoft
- Mohamed Hanno: Chairman of Board, Alexandria Software and IT Association
- Khalil Hassan Khalil: Chairman of Computer & Software General Division, Alexandria Chamber of Commerce
- Heba Saleh: Information Technology Institute (ITI) Chairwoman
- Mohamed Hanafy: ITI Deputy Manager
- Ahmed Shahat: Professional Services Manager, Amiral Management Corporation (AMC)

Teradata – ASITA – Partners SAP – Microsoft –  
Oracle – Alexandria Chamber of Commerce – ITI – AMC



## BIS Regular Activities

- ❑ Field trips, Seminars, and Workshops are regular BIS non-academic activities
- ❑ After negotiations, BIS students are now eligible to apply for ITIDA-ITAC program, University Student GPs fund as of 2015
- ❑ Attend academic Conferences such as ICCTA- IEEE, Techne Summit, ICT in Our Lives, ABRM
- ❑ Participate in project competitions such as Techne Summit and Computer Scientific Society
- ❑ Local and International Internships
- ❑ International Programs and student exchange at well-known universities worldwide

**ITAC** Information Technology Academic Collaborative (ITAC) Program

Are you a Senior Engineering, Computer Science, or Information Systems student? ITIDA/ITAC invites you to apply for the Graduation Project Fund!

**Who is eligible?**  
Senior (3<sup>rd</sup> year) students in an Indian educational institution

**Who is eligible?**  
Graduation projects related to electronics and communication technology (VLSI, Embedded Systems, Computer Logic and ...)

**Selection criteria!**  
The projects are evaluated by experts in the field, based on a project score-card. Projects with the highest scores are chosen for funding.

**Apply Today!**

**Graduation Project Funding**

**Project Funding:** ITDA will fund the shortlisted graduation projects by an amount up to INR 75,000 for regular budget funds.

**Project Funding:** To know more about the financial guidelines, please visit the page on ITIDA website of IITD on IP.

**Equipment purchase:** The cost of equipment purchased by the student is debited to the institution's accounts for use in subsequent years by other projects.

Academic Year	Number
2012-2013	27
2013-2014	46
2014-2015	53
2015-2016	43
2016-2017	33
2017-2018	142
2018-2019	193
2019-2020	86

**How to Apply:** Please visit the ITAC page on ITIDA website. Download the application form, fill it in and send it to the mail address listed on the website. Careful to refer to the updated financial guidelines before filling in the project budget section in the application.

**Information Technology Industry Development Agency (ITIIDA)**  
A Government of India, Ministry of Education, Government of India  
www.itida.gov.in



Summer Internship in USA



BIS Student Exchange at Central Michigan University, USA

## Contribution to knowledge



Highly qualified BIS staff, with 11 PhD awards from a variety of reputable universities around the world, and 15 Master holders. BIS staff are also members in Editorial boards and are reviewers in highly ranked peer reviewed Journals and conferences.

Among our staff are session chairs, and invited key guest speakers. Academia.edu has categorized one of our staff members as among the TOP 2% researchers, and Elsevier has recognised two of our staff members and awarded them 'Outstanding Reviewer' certificates.

BIS is a leading department in academic research, where in the period between 2014 and 2017, 3 staff members were awarded their PhD, 3 candidates got enrolled in PhD programs in UK Universities, 10 Masters Awards were granted to our BIS staff, 3 English Text Books authored by our staff were published and sold on Amazon, Book Depository and Barnes and Noble. As for academic publication, during the given period, our staff members have published 48 articles at Peer reviewed journals/conferences, and there are 6 academic papers currently in progress.

## Over 90% BIS Recruitment Rate in 2016

BIS graduates have a variety of career opportunities, which justifies a high recruitment rate with over 90%. BIS is one of the top 10 fields in terms of job demand and high salaries. Career opportunities far exceed BIS graduates.

Some graduates are entrepreneurs who started their own businesses, such as Pointers, Savvy Arabia, The 8 Peas, and Spinzomedia LLC, while others are recruited at reputable local and International organizations, in all industries such as: Business Solutions, Banking, Education, Pharmaceutical, Real Estate, Business and Solutions, Mobile Solutions, Social Media, Multinational organisations. BIS graduates are leaders as: Business analysts, Web/System analysts, Web/System designers, Web/System developers, Database Analysts, Social Media Specialists, ERP Specialists, Mobile Application Developers, Digital Marketers, Business Consultants.



## BIS Graduate Entrepreneurs

BIS is a leading department in academic research, where in the period between 2014 and 2017, 3 staff members were awarded their PhD, 3 candidates got enrolled in PhD programs at UK Universities, and 10 Masters Awards were granted to our BIS staff. Moreover, 3 English Text Books authored by our staff were published and sold on Amazon, Book Depository and Barnes and Noble. As for academic publication, during the given period, our staff members have published 48 articles at Peer reviewed journals/conferences, and there are currently 6 academic papers in progress.



**The 8 Peas**  
**Hisham Mohamed Said**  
*Graduated in 2015*



**Spinzomedia**  
**Mohamed Shafashak**  
*Graduated in 2011*



**Savvy Arabia**  
**Abdel Malek Mohamed**  
*Graduated in 2011*



**Pointers**  
**Ahmed Abdul Ghani**  
*Graduated in 2010*

## Annual Conference Participation

Both BIS staff and students attend and participate in annual International conferences on a regular basis.



## ICT in Our Lives and ABRM Conference



## Winning Alexandria Future Technopreneurs Competition 2016

Our BIS students have participated in the International Technesummit conference, and have been shortlisted to pitch their graduation project idea 'Zebra Script' at Alexandria Future Technopreneurs competition for startup businesses. Zebra Script is a Web Solutions Company dedicated to cater for the needs of SMEs in the Egyptian Market using the latest web technologies and tools.



## Computer Science Society Competition

CSS annual competition aims to focus on the development of society in Egypt and provide cultural, scientific and educational services in the areas of information systems and computer technology. BIS students participate regularly by presenting the best graduation projects together with other students from technology-oriented academic departments such as MIS-Alexandria University, Computer science-AASTMT, and Engineering, -AASTMT, in an annual event chaired by H.E. Prof. Dr. Yousry El-Gamal, and assessed by top academics in the field.



## BIS Staff Development 2014-2017

### BIS Staff Certified

- ❑ 2 SAP Certified Business Associate
- ❑ Cisco Certified
- ❑ DBA Oracle Certified

### BIS Staff attending Workshops:

- ❑ 2 TAs, Teradata, GUC
- ❑ 2 TAs, SAP ERP, AUC
- ❑ 4 TAs, SAP Hana, Alex University
- ❑ 5 TAs, Mobile Development
- ❑ 1 ITI, Alexandria Bibliotheca
- ❑ 2 Ass. Prof, & 2 TAs, Digital Marketing, ITI



## BIS Graduate Seminars 2014-2017

The BIS department arranges a variety of seminars presented by BIS graduates who are both professionals that are well positioned in the industry, and entrepreneurs who succeeded to start their own business.



## BIS Professional Seminars 2014-2017

A variety of professional seminars are held at the BIS department, where qualified professionals from the industry are invited as speakers to share their knowledge and expertise with our staff and students. These seminars provide the vital link between academia and the industry.



## BIS Community Service Activities

We believe that effective social and charitable investments should be made to serve our community. We align our social responsibility efforts with our core values through these initiatives:

- ❑ Voluntarily training national preparatory and high school students on computer skills at the department labs in 2015
- ❑ Staff donating their published book that is available on top book sellers worldwide to Alexandria Bibliotheca in 2013 for free.
- ❑ Staff participating as a working member of the SWING project for the disabled in 2014 and conference in 2015.



## Graduation Projects Defense 2014-2016

public presentation allow undergraduate students display and discuss their project with top audience in the field. Students are evaluated by a panel of internal and external academic and professionals from the industry.



### في مشاريع التخرج

بإشراف الدكتور نور عماد.  
 أما المشروع الثاني: فقد تبادل مشكلة مواعيد الصيانة بشركات السيارات وتم تطبيقه عبر موبايل الميكيشن لشركة B.M.W ويتيح من خلاله حجز مواعيد الخدمة عن طريق الدخول إلى الأبلبيكيشن ومعرفة أى معلومات جديدة عن طرازات B.M.W للخصومات لكل المتعاملين عبر موبايل الميكيشن.  
 ■ وأكد كل من أدهم درويش وميرنا طلعت وهم: ضمن الفريق المشارك بالمشروع إنه يمكن تطبيق الفكرة على جميع شركات السيارات إلا أنهم بدأوا بتطبيقها على B.M.W التي قدمت لهم الدعم.  
 حضر الفاعليات النهائية للملتقى الدكتور إسماعيل عبد الغفار - رئيس الأكاديمية - والدكتور أشرف لبيب - عميد كلية الآراء والتكنولوجيا وأعضاء هيئة التدريس بالجامعة.

يتم تفعيلها التي تعانى أو عملاتها



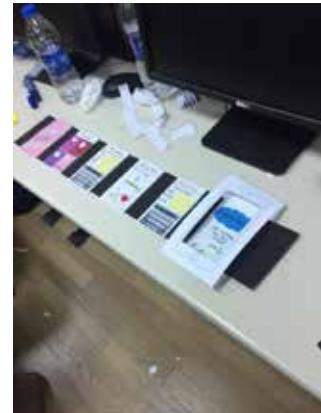
## Graduation Projects Defense 2017

BIS students projects are evaluated using a professional panel that include the Chairman of Board at Alexandria Software and IT Association (ASITA), ITI Deputy Manager, Head of Information and Documentation Center (AASTMT), Head of Computer Engineering department (AASTMT), Head of Management Information Systems department (Alexandria University), SAP consultants (SAP), Microsoft representatives (Microsoft Egypt), who are continuously impressed by BIS projects.



## Storyboard Workshops 2014-2016

Storyboard seminars are held to provide BIS students with the foundation understanding of storyboarding, in order to help them as designers understand the issues they try to solve, and communicate potential solutions to others.



## Al Baz Initiative in Press 2014

The BIS department has successfully arranged and hosted a competition entitled “Al-Baz Initiative for Arab Capacities For Development and Innovation”, under the auspices of the president of Egypt, Abd El-Fattah El-Sisi, and with the directions of the president of the AASTMT, Prof. Dr. Ismail Abd El-Ghaffar Ismail Farag on March 2015, with the purpose of promoting and supporting development and innovation in the area of scientific research and technology in collaboration with the Arab Science and Technology Foundation. The event was covered in the mass media.



بالصور .. "مبادرة الجاز للقدرة العربية للتنمية والإبتكار" بأكاديمية العلوم  
 القاهرة 2015 15:00 - 16:00 هـ - عدد القراء 674

تضمنت الإلية القومية للعلوم والتقنية والعلوم الإنسانية من أجل تطوير صناعة "عصرنا" العلم  
 2015  
 وذلك بحضور:

- 1- الدكتور / عبد الباقى ربيع رئيس المؤسسة العربية للعلوم والتقنية
- 2- الدكتور / هادي محمد مدير قسم رئيس المؤسسة العربية للعلوم والتقنية
- 3- الدكتور / أحمد السيد مدير قسم رئيس المؤسسة العربية
- 4- الدكتور / أحمد السيد مدير قسم رئيس المؤسسة العربية
- 5- الدكتور / أحمد السيد مدير قسم رئيس المؤسسة العربية

أهداف من المصلحة في دولة العلم العالي الذي تسعى في تمام المجتمع بالعلم وبمعالجة القضايا التي تواجه المجتمع المصري. وذلك مدير عام المؤسسة  
 مجلس الإدارة والإشراف: جامعة واسكان التعليمي، التعليمي والإحصائي والمصنعي، العلوم والتقنية والتنمية.  
 مجلس المؤسسة: مؤسسات في المجالات التالية:

- 1- الصناعة والقطاع التعليمي والعلوم والتقنية (العلم)
- 2- الصناعة والزراعة (العلوم والتقنية)
- 3- الصناعة والقطاع التعليمي (العلوم والتقنية)

1- إسهامات منسوبة للإسهامات الخاصة (إسهامات) منسوبة للعلوم والتقنية (المعلومات)

## Microsoft Internship 2014

Seminars from top vendors in the field are usually held at the BIS department. Microsoft, a multinational technology company that develops, manufactures, licenses, supports and sells computer software, consumer electronics, personal computers, and services has held an internship seminar targeting BIS students, in an attempt to train potential candidates at Microsoft premises.



## Design Thinking SAP MENA 2014

SAP is a Systems, Applications & Products in Data Processing German multinational software corporation that makes enterprise software to manage business operations and customer relations. As the BIS department is a SAP university alliance, SAP professionals and consultants from different countries provide BIS students with free training on a variety of theories and applications.



## Student Cultural Competition 2015

The College of Management and Technology holds an annual culture competition between students representing college departments.

BIS students regularly participate in this competition and has won the first position and the CMT Cup in 2015.



## Student Union Elections 2015

### BIS winning President and Vice President seats

BIS students are very active in non-academic activities; BIS students represent college students, where the student union president and vice president are BIS students who won the election and have managed to participate in numerous activities.

**VOTE FOR US**

**PRESIDENT**  
Nada Abdelkader

**VICE PRESIDENT**  
Mostafa Jad

**The Change You Need**

Student UNION  
The Change You Need

The poster features a central graphic of a hand pointing to a group of stylized human figures, with one figure highlighted in blue. The background is light gray with a white banner containing the slogan 'The Change You Need'. At the bottom left is the official seal of the institution, and at the bottom right is the Student Union logo, which consists of colorful abstract shapes and the text 'Student UNION The Change You Need'.

## EC Security Workshop AASTMT & Jordan Transportation Ministry 2015

The BIS department aligns with the AASTMT strategic objective of supporting our region. Under the auspice and presence of Prof. Dr. Ismail Abd El-Fattah Ismail Farrag, and in collaboration with and presence of the Minister of Transport in Jordan to train heads and chairmen on E-Commerce piracy in October 2015 .





**CODING IS A NEW LANGUAGE.  
EVERY CHILD DESERVES TO BE FLUENT.**

## Africa Code Week 2015

In an attempt to maintain Corporate Social Responsibility, the BIS department, has managed and hosted a set of parallel and sequential workshops as part of the Africa Code Week initiative by SAP. The mission was to train the trainer in order to empower youth to either write their first lines of code or simply touch a computer for the first time. The event was covered by the mass media, and reported in the news.”



## Graduation Projects Ceremony 2015

The BIS holds an annual event for graduating students to present their projects, where in 2015, every member in the best graduation project was offered a free diamond watch as an encouraging gift from IRAM. The event was covered in the mass media.



## Smart Village BIS Trip 2015

BIS students and staff are annually invited to attend the Cairo ICT exhibition to explore and examine the latest technology in the electronic environment. Therefore, a BIS trip with BIS staff and students to Cairo Smart Village was held in 2015 during the exhibition period in collaboration with Microsoft Egypt, to update students with the latest in their field. Students also attended workshops at Microsoft corporation premises, where they learnt more about the available educational e-learning software.



## ITI and Culturama BIS Trip 2016

Academic Trips are a common practice by the department. In 2016, the BIS department arranged an educational trip in collaboration with the Information Technology Institute (ITI) for staff and students to visit the ITI premises in the Smart Village, and attend workshops on E-Commerce, Information Systems, and the free-of-charge training opportunities for BIS students and graduates. Students also visited the Cairo Culturama, where they learnt more about the Egyptian culture.



## Sumed Field Trip 2016

Field trips to highly reputable organisations are held during the academic semester. In November 2016, BIS staff and students went on a field trip to The Arab Petroleum Pipelines Company "SUMED", where students attended a welcome ceremony followed by four different workshops delivered by SUMED senior staff and chairmen on information systems. Then, students were guided on a tour to observe the organisation's servers.



## New Cairo ICT BIS Trip 2016

Cairo ICT is an International Telecommunication, Information Technology, Networking, Computing, Satellite & Broadcasting Trade Fair & Forum for the Middle East and Africa. It is one of the strongest events with regional and international presence both on the level of exhibitors or visitors. Therefore, BIS arranged its annual trip to the exhibition in 2016, where staff and students were exposed to the latest in Business leads, Networking opportunities, Publicity and PR in regional media, Launch of new products and services, Vertical focus on selected industries.



## BIS Media Production City Trip 2017

BIS staff and students visited DMC media channels in order to understand the latest systems utilised in the media sector:



## BIS Activation Day 2016

BIS students sometimes participate in social activities, such as the Activation Day of students; Graduation Projects. Students display and communicate their graduation project in an informal manner to their colleagues from other departments in the campus. These activities usually involve music and sports.



## BIS Activation Day 2017

The BIS Activation day is considered one of the non-academic activities that is supported and appreciated by the College of Management and Technology to enhance the social participation between students in different majors. The CMT dean, Prof. Dr. Ashraf Labib, together with Deputy deans and Head of Departments usually attend and encourage students.



## Mobile Application Development 2017

The furious rate of technological change and growth in the mobile market has made it very challenging for technology-oriented programs, not only from a technical standpoint, but also because the market share for smartphones is changing rapidly between different systems. In response to this upcoming trend, the BIS department has arranged, managed, and hosted a Mobile Development Cross Platform Application crash course for BIS academic staff and senior BIS students in February 2017.



## Entrepreneurship Workshop 2017

BIS students accompanied by representative staff attend Entrepreneurship workshops arranged by the AASTMT in order to develop their way of thinking and enable them create their own business and play an effective role in the society.



## Photo Shooting 2017

As photoshooting may help BIS graphic designers, a seminar was presented by a professional graduate of the BIS department in March 2017, who voluntarily taught BIS students the technical aspects of black and white photography involving camera operation, exposure control, film processing, print enlarging and finishing.

BIS students became familiar with photographic materials, as well as artistic composition and design.



## Exploring Digital Marketing Opportunities 2017

The world is quickly becoming digital. People are consuming electronic content faster every day. Companies and the world in general are starting to recognise the importance of going digital and it is essential that academic departments such as the BIS adapt quickly to the new circumstances. Accordingly, a seminar was managed and hosted by the BIS department, and presented by a professional from the industry on the latest digital marketing trend and discussed the impact of e-marketplaces on organizations and industries. The seminar was held in March 2017



## BIS international internship trip in Europe - July 2017

The BIS department has arranged and supervised an International Internship trip for students in European cities in 4 different countries. Students have been to Munich, Prague, Bratislava, and Vienna. They participated in workshops/seminars at BMW, Skoda, and Volkswagen. They submitted projects and presented them. Students have learnt a lot and had great fun too.



## BIS trip Munich, Germany BMW and Mercedes Visits 2017

BIS students got the golden internship opportunity to acquire knowledge of Motors Industry and Business Information Systems, where they visited BMW industry. They took a very close look on the production process and systems used through an informative tour accompanied by a professor in the field. They also visited BMW and Mercedes Benz show rooms.



## BIS Educational Trip Skoda Visit in Prague, Czech 2017

M&R Group, the London-based holding company, and Managing Director of the Smart Campus Institute have arranged in collaboration with the BIS department, Alexandria and smart village branches an educational internship at Prague, Czech, where students were trained by Professor Gianluca Goi on a real life project. They worked on group projects, submitted reports and presented them. Students visited Skoda manufacturing plant, and museum and learnt more about the system adopted.



## BIS Trip in Bratislava, Slovakia - Volkswagen Visit 2017

BIS students went on a trip to Bratislava, Slovakia, where they visited Volkswagen manufacturing plant, and museum and learnt more about the system adopted.



## BIS Registration Requirements

Business Information Systems program applies the credit hour system. It consists of 144 credit hours which are achieved over 8 Semesters. BIS students are required to finish 24 Core courses, 18 Major courses, and any six of the Elective courses in order to graduate.

- ❑ Students should satisfy an Internship requirement as a main condition for graduation in order to help them confirm their career interests, give them hands-on experience in professional settings, help build their resume and reinforce what they've learned in class. The internship can often lead to full-time employment.
- ❑ Students with GPA above 2.0 could register 6 courses, equivalent to 18 credit hours per semester and 7 courses as graduation requirements in the last two semesters (Semesters 7 and 8) equivalent to 21 credit hours.
- ❑ Each student is allowed to register a maximum of 2 courses equivalent to 6 credit hours in the Summer Semester.
- ❑ Each student could choose to register any course as long as he/ she accomplish its prerequisite.

## BIS Curriculum Development

First Year – First Semester			First Year – Second Semester		
Course Code	Course Title	Credit Hours	Course Code	Course Title	Credit Hours
MGT111E	Principles of Management (1)	3	MGT121E	Principles of Management (2)	3
MTH111E	Math (1)	3	MTH121E	Math (2)	3
ECO111E	Micro Economics	3	ECO121E	Macro Economics	3
ENG111E	English for Business (1)	3	ENG121E	English for Business (2)	3
ACC111E	Principles of Accounting (1)	3	ACC121E	Principles of Accounting (2)	3
BIS111E	Introduction to Information Systems (1)	3	BIS121E	Introduction to Information Systems (2)	3
		18			18
Second Year – Third Semester			Second Year – Fourth Semester		
Course Code	Course Title	Credit Hours	Course Code	Course Title	Credit Hours
MKT211E	Principles of Marketing	3	FIN221E	Financial Management	3
MGT211E	Organizational Behavior	3	MGT222E	Research Methodology	3
STA211E	Descriptive Statistics	3	BIS225E	Multimedia	3
BIS215E	Database Management	3	BIS226E	Inf. System Analysis & Design	3
BIS216E	E-Commerce Technologies	3	BIS227E	Introduction to Programming	3
BIS217E	Social Media	3	ELCXXXE	Elective/Minor Course	3
		18			18

## BIS Curriculum Development

Third Year – Fifth Semester			Third Year – Sixth Semester		
Course Code	Course Title	Credit Hours	Course Code	Course Title	Credit Hours
ACC221E	Cost Accounting	3	MGT221E	Production & Operations Mgt.	3
MGT212E	Operations Research	3	MGT311E	Human Resources Management	3
BIS315E	Advanced Database	3	BIS325E	ERP Fundamentals	3
BIS316E	Web Design Fundamentals	3	BIS326E	Information Systems Project Management	3
BIS317E	Web Programming	3	BIS327E	E-Business Strategies	3
ELCXXXE	Elective/Minor course	3	ELCXXXE	Elective/Minor Course	3
		18			18
Fourth Year – Seventh Semester*			Fourth Year – Eighth Semester*		
Course Code	Course Title	Credit Hours	Course Code	Course Title	Credit Hours
MGT411E	Organizational Analysis & Design	3	MGT421E	Strategic Management	3
LAW211E	Business Law	3	BIS425E	Decision Support Systems	3
BIS415E	Information Retrieval (SEO)	3	BIS426E	New Trends in BIS	3
BIS416E	Networks and Security	3	BIS427E	Graduation Project 2	3
BIS417E	Graduation Project 1	3	ELCXXXE	Elective/Minor Course	3
ELCXXXE	Elective/Minor Course	3	ELCXXXE	Elective/Minor Course	3
		18			18

BIS Elective Courses		
Course Code	Course Title	Credit Hours
1	Arts Entrepreneurship	ELC499E
2	Media and Middle East Politics	ELC498E
3	Arabic for Business	ELC497E
4	Psychology	ELC496E
5	Contemporary Issues in Business & Economics	ELC495E
6	Principles of Sociology	ELC494E
7	Introduction to Travel Agencies Management	ELC493E
8	Economic of Resources & Environment	ELC492E
9	Cultural Affairs	ELC491E
10	Marketing for -Not -Profit Organizations	ELC490E
11	Graphical Design and Copyrights	ELC489E
12	Speech & Communications Skills	ELC488E
13	Tourism Marketing	ELC487E
14	Human Computer Interaction	ELC486E
15	Software Requirements	ELC485E
16	Intelligent Computing	ELC484E
17	ERP Applications	ELC483E
18	Advanced Programming	ELC482E
19	Systems Thinking	ELC481E
20	Mobile Commerce	ELC480E
21	Computer Applications in Business	ELC479E

BIS Elective Courses		
Course Code	Course Title	Credit Hours
22	E-learning	ELC478E
23	Advanced ERP	ELC477E
24	Selected Topics in ERP	ELC476E
25	Business Intelligence	ELC475E
26	Destination Geography	ELC474E
27	Nutrition and Public Health	ELC473E
28	Italian Language	ELC472E
29	Events Management and Planning	ELC471E
30	Egyptian Culture and Civilization	ELC470E
31	Food Production	ELC469E
32	Physics (1)	ELC468E
33	Physics (2)	ELC467E
34	Chemistry	ELC466E
35	French in Business	ELC465E
36	Egyptian History	ELC464E
37	Music 1, 2 and 3 (each for 1 Credit Hour)	ELC463E, ELC462E, ELC461E
38	Physical Education 1,2,&3 (each for 1 Credit Hour)	ELC460E, ELC459E, ELC458E
39	Entrepreneurship	ELC457E
	<b>OR any other course from any other majors</b>	<b>XXXXXXXX</b>



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