



INTERNATIONAL INSTITUTE  
OF  
INFORMATION TECHNOLOGY

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DOMINICAN  
UNIVERSITY

[www.dom.edu](http://www.dom.edu)

## DUAL COUNTRY MBA PROGRAMME IN INFORMATION TECHNOLOGY MANAGEMENT

(Accredited by 'The Higher Learning Commission of the North Central Association, USA')



The 18-month, full-time, autonomous, Masters degree programme will enable students to receive a joint American management degree and also, study at the Dominican University, IL, USA.

### I<sup>2</sup>IT, Pune, India :

Situated in the sprawling Infotech Park of Pune amongst giant IT companies viz. Cognizant, Geometric, Infosys, KPIT Cummins, SDRC, Tata Technologies, Wipro, etc., I<sup>2</sup>IT is one of the few academic institutions established at the corporate initiative and focuses on the IT component in all its academic programmes.

I<sup>2</sup>IT endeavours to produce principle-focused leaders by providing an environment that promotes learning in excellence, development of self-confidence and personality, inspired team-based goal achievement, social & environmental awareness and sensitization, that will help students exploit their potential to the maximum.

### The Dominican University, Chicago, USA :

It is a 100-year-old comprehensive accredited university in Chicago, offering programmes in over 50 fields including Business and Information Technology. In the 2004 issue of America's Best Colleges, US News and World Report once again ranked Dominican University in the top 15 Midwest master's level universities.

Dominican University is a distinctively relationship-centered educational community, known for its rigorous and engaging academic programmes, for the care and respect with which it mentors students, and for its enduring commitment to truth, service and social justice.

### THE PROGRAMME

Information Technology has not only helped many businesses to go global but also has an inherent global character. The fast pace of growth of the computer & IT industries worldwide, especially in the last decade, has created a big demand for personnel with techno-managerial abilities to manage these enterprises internationally. It is with this intention – to fill the great void of personnel having IT knowledge tempered with managerial skills in the international setting – that this five-semester Programme has been developed as a combined effort by the Dominican University, USA and I<sup>2</sup>IT, Pune. The Programme is designed to provide the necessary techniques and theoretical background needed by managers of businesses and organizations operating internationally.

### DISTINCTIVE FEATURES

Students joining the Dual Country MBA Programme have the following advantages:

- Study up to one academic year (initial two semesters / 8 months) at I<sup>2</sup>IT, Pune and then have an option to go to Chicago, USA for the completion of the Programme (next three semesters / 10 months).
- Credits earned in the first two semesters in Pune will be accepted by Dominican University, USA and thereby reduce the cost of getting an MBA in America.
- Continue to study in Pune for the last 3 semesters, and still get an accredited American MBA from Dominican University.

- Identical courses offered at Pune, India and Chicago, USA.
- Course taught by knowledgeable and experienced Faculty - both, International and Indian.
- Subsequent to completion of the MBA programme, students are eligible for Ph.D. programmes in USA and India.
- IT relevant productive management courses to support IT learning and application in real-life business.
- Lots of international case studies.
- Intensive laboratory sessions to gain experience of industry applications.
- Exposure to a wide gamut of technologies for e-Business, IT-enabled services and enterprise application technologies.
- Project-work to develop skills for live systems, infrastructure operations and management.
- Scholarship assistance at the end of the semesters awarded to meritorious students.

#### ELIGIBILITY

- Graduates with any Bachelor's Degree (with minimum 50% marks) of at least three years' duration with Mathematics at 10+2 school level.

#### COURSE COMMENCEMENT

Monday, 27th June, 2005

#### EVALUATION AND CERTIFICATION

- Periodic evaluation and performance improvement programme
  - Module-wise credits
  - Balanced assessment based on projects, examinations, presentations and class participation
  - Students will receive an MBA Degree from Dominican University and I<sup>2</sup>IT with official detailed transcripts

#### PLACEMENT ASSISTANCE

- Career guidance at the institute
- Pre-placement facilitation / development
- Active liaison with companies in Infotech Park viz. Cognizant, Geometric, Infosys, KPIT Cummins, SRDC India, Tata Technologies, Wipro, etc.
- Campus interviews by leading industries in India.

#### CURRICULUM

**Note :** Semesters I & II are to be completed at Pune, India. Students have the choice of completing the remaining three Semesters (III, IV & V) at Chicago, USA or Pune, India.



#### SEMESTER I (4 MONTHS)

**TOTAL CREDITS TO BE COMPLETED = 15**

#### MANAGEMENT COMPONENT : (12 CREDITS)

- **DCM 102 / GSB 611 : Economics for Managers (3 Credits)**  
Economics is the foundation for all business applications. This survey course in macro & micro economic theory establishes student understanding of economic principles and policies and their impact on business and its environment.
- **DCM 103 / GSB 612 : Accounting (3 credits)**  
This course is an introduction to accounting as a tool for managerial decision-making. This course examines accounting reports and statements that provide managers with a basic understanding of general financial controls.
- **DCM 104 / GSB 613 : Quantitative Methods (3 credits)**  
The course examines quantitative methods used to define and solve problems in business and management. Course topics include: slope, linear equations using multiple variables, the derivative and elements of matrix theory. It also reviews descriptive statistics, elements of probability, sampling, estimation of parameters, hypothesis testing and simple linear regression.
- **DCM 105 / GSB 754 : Managerial Communications (3 credits)**  
This course focuses on how managers can effectively use communication techniques to organize individuals & groups and achieve organizational goals. Students develop effective strategies for persuasive oral & written communication, presentation skills, listening skills and group facilitation.

#### IT COMPONENT : (3 CREDITS)

- **DCT 102 / GBIS 703 : Computer Programming (3 credits)**  
This course is an introduction to programming using Visual Basic. The course will emphasize standard programming constructs including iteration, selection, functions, subroutines and arrays. The course will use a number of Visual Basic controls to create interactive, event driven programs. Students will learn to programme I/O using the screen, keyboard, mouse, printer, flat files and databases.

#### SEMESTER II (4 MONTHS)

**TOTAL CREDITS TO BE COMPLETED = 15**

#### MANAGEMENT COMPONENT : ( 9 CREDITS)

- **DCM 201 / GSB 614 : Organisational Behaviour (3 credits)**  
This course will survey the major components present in organizational behaviour. Topics analyze organizations from a behavioural science methodology viewpoint. Overall, this provides the student with the following: development of inter- group relations, research motivation in a business atmosphere, and analysis of leadership and organizational change.
- **DCM 202 / GSB 615 : Financial Management (3 credits)**  
This course provides students with the foundation of financial management including information, tools and decisions. It starts with a review of the data financial statements present and of the methods used to analyse these data. The course covers the tool of time value of money with its application to the pricing of stock



and of bonds and the tool of risk and return analysis. This course finishes by using the information and tools to determine the cost of capital and make capital budgeting decisions.

● **DCM 203 / GSB 616 : Marketing Management (3 credits)**

An overview study of marketing theory and practice to gain an understanding of the market and consumer relationship. The course analyses the marketing function and the foundations for successful planning, strategy and control of marketing campaigns. Students also examine case studies and real life situations to complete course objectives.

**IT COMPONENT : (6 CREDITS)**

● **DCT 101 / GBIS 722 : Systems Analysis and Design (3 credits)**

Students study the techniques, tools and methods used in the analysis and design of information systems. Students perform tasks associated with steps included in the SDLC, including feasibility studies, project management, network modeling, data modeling, process modeling, I/O design and flowcharting. In addition, prototyping and various automated CASE tools are discussed, and at least one CASE tool is utilised in the completion of assignments. The issues concerned with internal and external development are also discussed.

● **DCT 301 / GBIS 725 : Computer Networks (3 credits)**

This course introduces students to data communications and computer networks. Topics covered in this course include an overview of the OSI framework including layers and functions, TCP / IP, modem protocols, LANs, internetworking, and WANs.

**SEMESTER III (4 MONTHS)**

**TOTAL CREDITS TO BE COMPLETED = 15**

**MANAGEMENT COMPONENT : (12 CREDITS)**

● **DCM 301 / GSB 621 : Economics of the Firm (3 credits)**

This course is a study of modern economic analysis and its use in formulating business policies. Topics include concepts of costs and profits, production functions, demand theory, competition, price-output decisions, market strategies under various market structures, business criteria for investment, economics of labour unions and input-output analysis.

● **DCM 302 / GSB 624 : Organisational Analysis & Design (3 credits)**

This course is an analysis of the phenomena and theories of large, complex, formal organizations. The course examines the organization as an economic, social, bureaucratic and political system with regard to such factors as structure, change and decision-making.

● **DCM 303 / GSB 625 : Financial Decision Making (3 credits)**

This course expands the treatment of decisions made by the financial manager. In conjunction with a brief review of basic financial management information and tools, this course examines financial forecasting and its importance in capital budgeting decisions. Next, the course turns to the decisions of working capital management. After considering the firm's short-term cash flow,



needs, the focus turns to longer term decisions including optimal capital structure, the dividend decision and growth, including mergers and acquisition. The course also introduces the concept of derivatives to protect the value of the firm.

● **DCM 304 / GSB 771 : Marketing Research (3 credits)**

This course provides a comprehensive understanding of market research procedures and introduces both quantitative & qualitative methods commonly accepted to ensure marketplace success. Emphasis is placed on students developing a marketing research project.

**IT COMPONENT : (3 CREDITS)**

● **DCT 202 / GBIS 738 : Database Management Systems (3 credits)**

Students in this course examine relational database systems. Topics covered include SQL, the relational model, security, data integrity, the system catalogue, views, normalization, database design, recovery, transaction processing, multi-user systems and client server systems. Students will develop a comprehensive database application programme

**SEMESTER IV (4 MONTHS)**

**TOTAL CREDITS TO BE COMPLETED = 15**

**MANAGEMENT COMPONENT : (9 CREDITS)**

● **DCM 401 / GSB 623 : Social Responsibility of Business (3 credits)**

This course is a study of the social & ethical issues facing modern corporations. Through extensive case study analysis, this course examines possible management responses to those issues in consideration of modern theories of social responsibility.

● **DCM 402 / GSB 761 : International Business (3 credits)**

This course examines international company behaviour in a global environment with an emphasis on the business leader's role and functions. Students analyse the development and implementation of strategies conducive to success in international markets.

● **DCM 403 / GSB 791 : Business Policies (3 credits)**

This is a course in business strategy, policy formulation and administration that builds upon and integrates the curriculum's





core subjects to develop management decision-making skills. Students examine how executives effectively formulate and implement strategies most conducive to a firm's success and growth. Case studies of multi-national firms and small businesses help students develop and hone their management skills.

#### IT COMPONENT : (6 CREDITS)

- DCT 401 / GBIS 739 : IT Management (3 credits)

Students in this course will study management issues and roles in the areas of contract software development, IT departments, software development and consulting firms. Topics include developing and managing budgets, IT HR and staff issues, matrix management in staffing projects, IT management careers, strategies for managing the demand for IT resources, IT relationships with departments in an organization, hardware & software acquisition issues, ERP systems, planning and linking IT strategy to business strategy, managing changing technologies and overseeing vendors, consulting firms and contractors.

- DCT 402 / GBIS 770 : Advanced Topics in IT (3 credits)

This course covers current topics of interest in the CIS field.

### SEMESTER V (2 MONTHS) TOTAL CREDITS TO BE COMPLETED = 3

- DCP 501 / GSB 798 : Project Work / Internship ( 3 credits)  
The student is expected to undertake a project either as a research activity or live with the industry (internship) in Chicago or Pune. The projects are the culmination of the student's learning in the programme and are expected to be of a high standard. Ideally, a project will be a management project with an IT bias. All projects are subject to approval of the student's project/research guide. The student shall have to make efforts towards locating project/research opportunities in industry. The administration shall provide guidance and facilities for the student to locate project/ research opportunities in industry.

TOTAL CREDITS : 63

