Master of Information System Management (MMSI)

Introduction

The graduates of Information System Management Study Program have competency as a leader in Information System (IS) field of jobs who are able to control the function of IS in organization having both future insight and strategy to achieve vision, mission, and target, particularly regarding to the involvement of IS and Information Technology (IT). In addition, he/she is able to be an IS consultant for organization in planning IS strategy, including evaluation to effectiveness and efficiency of IS application.

Vision

A world class Information System (IS) Graduate Program which creates IS Leaders and Technopreneurs who are able to leverage IS for business advantage.

Mission

The mission of Master of Information System Management is to contribute to the global community through the provision of world-class education by:

1. Preparing outstanding visionary IS Leaders and Technopreneurs which are capable in facing the challenge of the future in information system for quality of life improvement;
2. Providing an excellent advanced education/research and professional services in information system enterprise, recognized globally that attracts and retains talented and creative student body and faculty.

Program Objective

The objectives of the program are:

1. To provide students with IS best practices in order to empower them to become IS Leaders that can attain global competitiveness;
2. To provide students with advanced knowledge in IS for strategic advantage;
3. To provide students with technopreneur's skills in IS business who are able to leverage knowledge and technology.

Student Outcomes

After completing the study, graduates are:

1. Able to do research with various corporate business models using "knowledge based repository" with a mono, multi or interdisciplinary approach, either independently or in groups to be able to design, create, engineer, and implement information systems at the corporate level;
2. Able to do research with various corporate business models using "knowledge based repository" with a mono, multi or interdisciplinary approach, either independently or in groups to be able to integrate corporate-level information systems based on the results of the analysis and synthesis of various business models of the corporation;
3. Able to do research with various corporate business models using "knowledge based repository" with a mono, multi or interdisciplinary approach, either independently or in groups to be able to evaluate and improve the productivity and quality of information systems at the corporate level in line with technological developments;
4. Able to do research with various corporate business models using "knowledge based repository" with a mono, multi or interdisciplinary approach, either independently or in groups to be able to evaluate and improve the

security and maturity of Information and Information Technology and Information Systems at the corporate level;

5. Able to deepen or expand the application of electronic business theory (e-business theory), managerial information system leadership (information system leadership theory), strategic knowledge management, information system quality assurance and control theory, accurately, tested, and innovative;
6. Able to provide innovative alternative solutions based on global business model supported by knowledge based repository (knowledge based repository) based on multidisciplinary research results independently or groups;
7. Able to integrate corporate-level information systems based on analysis and synthesis results through the alignment of business strategy and Information System and Information Technology and Communication strategy from various business model of corporation;
8. Able to plan, implement, and monitor information system development projects in an effort to improve the productivity and quality of information at the corporate level;
9. Able to run and organize the governance of Information and Communication System in an integrated manner using the latest scope of work so as to improve corporate performance;
10. Able to develop ideas and creativity in the planning and development of electronic business model based systems and Information and Communication Technology applied at the personal and corporate level;
11. Able to provide innovative recommendations based on the evaluation of the level of security and maturity Information and Information Technology and Information Technology at the corporate level based on the framework of international standard quality;
12. Skilled in English as a supporting language in communicating and corresponding in a global environment.

Prospective Career of the graduates

MMSI graduates have the opportunity to get positions at some prestigious firms, such as the IS Function Division, Top Management, Consultant and System Integrator, IS Project Manager, and Business Analyst.

Curriculum

The curriculum of MMSI Study Program consists of a set of plans and arrangements related to the subject, content, study materials, lesson material and the delivery method, as well as assessment used as a guideline for the implementation of learning activities in Bina Nusantara University. This curriculum supports the development of graduates' competency standards which is structured into the main competencies, general competencies, and others that support the achievement of the study goals, the implementation of the mission, and the realization of the vision of MMSI Study Program. In addition, the curriculum includes a distribution of courses that support the achievement of graduate competencies and provide flexibility to students to broaden their knowledge and deepen their expertise in accordance with their interests, as well as with course descriptions, syllabus, lesson plans and evaluation. In its design, the MMSI Study Program curriculum considers the curriculum's relevance to the study goals, scope and depth of the material, the organizing that encourages the formation of hard skills and the soft skills that can be applied in various situations and conditions. Curriculum and materials are obtained from various sources, such as Ministry of Research Technology and Higher Education Republic of Indonesia (Kemenristekdikti) regulations, benchmarks with similar program curricula in various international institutions, as well as input from some prominent industries and alumni discussion sessions held by MMSI Study Program.

MMSI Curriculum with MMSI degree is specifically designed for scholars and IS practitioners who are interested to become ICT Leaders, both in the field of research and development and in performing their functions and roles as:

- Chief Information Officer (CIO) as a top leader in IS system who is expert in managing, developing, and utilizing IS corporation to win the competition;
- Technopreneur as an expert who has entrepreneurial spirit capable of evaluating, analyzing, and providing recommendations to develop an integrated IS architecture in an effort to improve corporate competitiveness.

Therefore, to prepare graduates who are able to achieve those abilities MMSI Study Program has 2 specializations in the curriculum, those are:

1. IS Strategic Management (ISSM)
2. Technopreneurship (TE)

Each of the interests has the same general competence and support, but each specialization has a distinctive support competence. The explanation of the above-mentioned interests is as follows:

- **IS Strategic Management (ISSM)**

Specialization of Information System Strategic Management (ISSM) is a program designed to prepare professionals who have the ability to plan strategic IS and to design a blue print of system strategic information for the company. This specialization is focused on how to manage, develop, and utilize the functions of IS operational companies to win the competition.

This specialization is a program designed for those who are preparing to become leaders in the field of strategic ICT and professionals who already have managerial experience, and they want to deepen the IS science and also master the competencies associated with IS management. They will be experts in managing, developing, and utilizing Information System/Information Technology (IS / IT) resources to maintain the companies' competitiveness in the midst of a very tight competition in the globalization era. In this program, students are taught and trained to make some strategic decisions in resource utilization to be a good and realistic application system. Also, the students are also taught soft skills in the field of leadership and organization. In general, the program emphasizes strategic and analytical thinking methods needed by business leaders. Students will be challenged to not only understand theoretically, but also how to solve business problems using real IS / IT support.

- **Technopreneurship (TE)**

Specialization of Technopreneurship (TE) focuses on developing entrepreneurial spirit capable of performing evaluation, analysis, and recommendation activities to develop an integrated IS enterprise architecture to increase the company's business value. This specialization is a program designed for those who are preparing to become an entrepreneur who is mastering management science and strategic business.

The students are professionals having managerial experience, and they want to deepen the science of Technopreneur. Next, they will become leaders who are able to develop a business by utilizing the support of IS / IT to start opening new business and also mastering the competencies associated with making business plans, such as how to get business ideas, business analysis, market analysis, making financial cashflow, and ROI of an investment to start a business as Technopreneur.

The curriculum and materials that will be delivered to the students should be reflected in the Course Outline (CO) of Learning Outcome (LO) and Graduate Competence which has been determined by MMSI Study Program. In delivering materials, lecturers are selected not only from the academicians having expertise in entrepreneurship, but also have experience to be practitioners, especially those who have relationship with investors (venture capital)

who want to provide capital to students who have a business idea that is visible, feasible to be financed, and can be implemented. The student will be a leader who will manage the business in starting a new business (*Startup*).

Course Structure

SEMESTER 1

Course	SCU
ISYS8033 – Services Oriented Enterprise	4
MGMT8046 – Project and Change Management	4
RSCH8086 – IS Research Methodology	4
Streaming : IS Strategic Management	
ISYS8034 – Digital Business and E-Commerce Management	4
Streaming : Technopreneurship	
ENTR8006 – Entrepreneurship and New Venture Creation	4

SEMESTER 2

Course	SCU
ISYS8035 – Advanced Entreprise Architecture	4
MGMT8047 – Advance Topic in MIS	4
RSCH8087 – Pre Thesis	0
ISYS8036 – Business Intelligence and Analytics	4
Streaming : IS Strategic Management	
ISYS8037 – Emerging ICT Issues and Valuation	4
Streaming : Technopreneurship	
ENTR8007 – Social Network and Engagements	4

SEMESTER 3

Course	SCU
ISYS8038 – IS Security and Risk Management	4
RSCH8083 – Thesis (Colloquium)	2
RSCH8085 – Thesis	4