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 of the effectiveness and efficiency of IS application.

Vision

A World Class Information System Management Graduate Program to Experience Cutting Edge Technology Applied to Business and Digital Transformation in Fostering and Empowering the Society in Serving and Building the Nation.

Mission

The mission of Master of Information System Management are to:

1. To equip BINUSIAN with the latest advances in digital technology in solving business problems through applied research practices in line with global standards in Information System Management
2. To conduct multidisciplinary research for the advancement of knowledge and innovations in Information System Management
3. To foster striving for excellence and continuous self-development by BINUSIAN in digital technology advancement applied to Information System Management
4. To empower the Society with the latest knowledge, innovation and exemplary characters in Information System Management.

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 design Strategic Information Systems and an integrated Enterprise Architecture at the corporate level based on the results of analysis and synthesis through the alignment of business and Information Systems and Information Technology strategies from various corporate business models with an excellent governance;
2. Able to analyze data that is a company asset with Business Intelligence into more meaningful information in decision making (Data Analysis) in order to implement Information and Information and Communication Technology governance with the appropriate framework and to evaluate the maturity level of Information and Information and Communication Technology management in an integrated manner at the corporate level based on the latest international quality standards framework so as to improve corporate performance;

3. Able to deepen the application of theories and alternative solutions for electronic business development (e-business theory), managerial skills in information system investment management, accurately assess applied information and communication technology investments at the corporate level;
4. Able to develop ideas and creativity in planning and developing electronic business models based on application systems and Information Technology (Technopreneur) which are applied at the personal and corporate level.

Prospective Career of the graduates

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

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 are 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 organization 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 Education and Culture (Kemendikbud) 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 in becoming 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 the 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, the 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/IT 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 from those who have to experience in being 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 students will be leaders who will manage the business in starting a IS/IT new business (*startup*).

Course Structure

SEMESTER 1

Course		SCU
ISYS8033042	Services Oriented Enterprise	4
MGMT8046042	Project and Change Management	4
RSCH8086042	IS Research Methodology	4
Streaming : IS Strategic Management		
ISYS8034042	Digital Business and E-Commerce Management	4
Streaming : Technopreneurship		
ENTR8006042	Entrepreneurship and New Venture Creation	4
	Total SCU	**16**

SEMESTER 2

Course		SCU
ISYS8035042	Advanced Enterprise Architecture	4
MGMT8047042	Advance Topic In MIS	4
RSCH8109042	Pre-Thesis	1
ISYS8036042	Business Intelligence and Analytics	4
Streaming : IS Strategic Management		
ISYS8037042	Emerging ICT Issues and Valuation	4
Streaming : Technopreneurship		
ENTR8007042	Social Networks and Engagements	4
	Total SCU	**17**

SEMESTER 3

Course		SCU
ISYS8038042	IS Security and Risk Management	4
RSCH8083042	Thesis (Colloquium)	2
RSCH8110042	Thesis	3
	Total SCU	**9**
	Cumulative SCU	**42**

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