



MASTER PROGRAM DIGITAL INNOVATION

The process of using technology to create tailored solutions that meet the specific needs of an organization is referred to as digital innovation. This approach to innovation differs from more generic solutions in that it considers the organization's specific challenges, goals, and capabilities.

Digital innovation can also play a crucial role in promoting innovation culture within the organization. Therefore, apart from the focus effort for problem solving on a specific tailored solution. The students is equipped with the understanding on the alignment of business and IT with the area of Business and IT Architecture, management and governance. The emerging technologies, such as Artificial Intelligence, are explored due to potential business benefits of further automation and autonomous solution.



WHY IS IT IMPORTANT?

The advantages of digital innovation include increased efficiency, increased competitiveness, and better alignment with the organization's goals. Organizations can ensure that their technology investments are aligned with their specific needs by developing tailored solutions, which can help to improve efficiency and reduce waste. This can also assist organizations in remaining competitive and meeting the changing needs of their customers and stakeholders.

Digital innovation is a valuable tool for organizations looking to stay ahead in a rapidly changing business environment. By leveraging technology and business alignment to create tailored solutions that meet their specific needs, organizations can improve efficiency, competitiveness, and alignment with their goals, and stay ahead of the curve in the long run.

STRENGTH POINTS

- Designed to answer the current challenges in IT industries for both professionals and fresh graduates
- Becoming digital transformation architect in cyber security, business informatics and digital innovation
- Data Science enrich Master IT Program with three streams: Data Science Business Informatics, Data Science Cyber Security and Digital Innovation and digital innovation
- Combining Data Science, IT Governance, IT Value and Risk Management, Enterprise Architecture, IoT and Cyber Security
- Established in 2000 with 36 credits in 1.5 year study period (average)
- Special discount for EC Council international certifications

WHY IS IT IMPORTANT?

This is an opportunity to solve a research focus of individual, company's or institution's need for digital innovations to survive or even thrive in digital era, with flexible research topic according to the need and interest of the students that facilitate with two research projects and thesis with relevant research coach. There are possible arrangements with a mix of elective subjects with focus research area that are relevant to today challenges like:

- Enterprise Risk and Resilience
- Digital Business Transformation and Enterprise Architecture Planning
- Data Analytics and Artificial Intelligence
- AIoT - Artificial Intelligence of Things
- Advanced Cyber Security
- Other research focuses

DIGITAL INNOVATION

- Research Project 1
- IT Project Management
- Risk Management & Disaster Recovery
- Research Methodology
- Research Project 2
- Enterprise Architecture & IT Strategic Planning
- IT & Cyber Governance
- Elective subjects*
- Thesis

Elective Subjects:

Digital Business & Cyber Marketing Network Security

Cryptography & Blockchain Technology Data Science and Analytics

Data Science: Special Topics

Applied Knowledge Management

Cyber Law & Computer Ethics

Internet of Things & Operational Technology

IT Innovation, Valuation and Technopreneurship Human Capital & Organization Behavior

Data Management & Governance

Ethical Hacking

Incident Handling & Digital Forensics

Web & Mobile Application Security

FACULTY MEMBER HIGHLIGHT

Competent lecturers as mentors for the research, such as (not limited to):

- Dr. Ir. Eka Budiarto, S.T., M.Sc. in fields of data science and analytics, machine learning, artificial intelligence
- Dr. Ir. Charles Lim, B.Sc., M.Sc., CCSE, CTIA, CHFI, EDRP, ECSA, ECSP, ECIH, CEH, CEI in fields of cyber security, threat hunting, threat intelligence
- Dr. Ir. Moh. A. Amin Soetomo, M.Sc. in fields of IT governance, IT strategic planning, IT risk management, cyber resilience, data management and governance
- Dr. Ir. Heru Purnomo Ipung, M.Eng. in fields of IT enterprise architecture, digital transformation strategy, IT valuation, data modeling, IoT applications
- Kalpin Erlangga Silaen, S.Si., M.Kom., CISSP, CEH, ECIH, ECSA, CHFI. Chief Technology Officer, PT Royal Audrey Megah (Layer Speed, web hosting & IT solution services), Senior Information Security consultant
- Or potentially with other lectures from other departments (Mechatronics and industrial engineering), other faculties (Life Science and Technology, Business and Communication) upon initial agreement and arrangement.



THE PROCEDURES:

1. Fill-out the registration through <https://join.sgu.ac.id/master>
2. Pay the registration fee IDR 500.000
3. Documents submitting & Interview
4. Pay the confirmation fee before the due date from Letter of Acceptance

ADMISSION DOCUMENT

1. 1 Copy of Bachelor's Degree Certificate
2. 1 Copy of Academic Transcript
3. 2 photographs of 4×6cm (in color, with red as background).
4. 1 copy of Birth Certificate (Akta Kelahiran).
5. 1 copy of Family Certificate (Kartu Keluarga).
6. 1 copy of Family Certificate (Kartu Keluarga - Orang tua)
7. 1 copy of NISN or senior high school certificate
8. Copy of ID Card/Passport/KITAS
9. Copy of Any Other professional certificate
10. Curriculum Vitae.
11. 2 Reference Letter
12. Foreign Candidate/overseas graduate: legalized the certificate through the Department of National Education
13. Foreign Candidate: Stay/Work Permit.
14. Statement of Agreement stamped Rp. 10,000,-.
15. New Student Form

STUDY FEE

Payment scheme:

| | |
|------------------------------------|----------------|
| ADMISSION FEE | 500.000 IDR |
| CONFIRMATION FEE | 2.500.000 IDR |
| 1st SEMESTER FEE | 22.000.000 IDR |
| 2nd SEMESTER FEE | 22.000.000 IDR |
| 3rd SEMESTER FEE | 22.000.000 IDR |
| TOTAL | 69.000.000 IDR |

Tuition fee includes*: Lunch, snack, coffee/tea during coursework

Tuition fee excludes: Repetition exams, certification, books and graduation ceremony

Note: Payment for each semester has to be made at the latest 2 (two) weeks before next semester begins.

* Scholarship scheme is available after fulfilling SGU terms and conditions

* Tuition installment available with SGU terms and conditions.

Contact Us:

SWISS GERMAN UNIVERSITY

The Prominence Tower Alam Sutera

Jl. Jalur Sutera Bar. No.Kav 15, Kota Tangerang, Banten 15143

Email : graduateschool@sgu.ac.id

Hotline : 0811 8010 600

Instagram : [@sgugraduateschool](https://www.instagram.com/sgugraduateschool)

LinkedIn : [Swiss German University / sgugraduateschool](https://www.linkedin.com/company/swiss-german-university/)