Master of Science in

Artificial Intelligence Innovation

MS in Aii

Student Handbook

AI INNOVATION

Master of Science in Artificial Intelligence Innovation

Student Handbook
(M.S. in Aii)

CMKL University
Bangkok, Thailand

Effective: February 12, 2026

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Welcome to the Era of Artificial Intelligence

Welcome to the Master of Science in Artificial Intelligence Innovation (M.S. in Aii) at CMKL University. Established in 2017 through a powerful collaboration between Carnegie Mellon University and King Mongkut's Institute of Technology Ladkrabang (KMITL), CMKL University was built on a foundation of academic excellence.

Today, we are evolving that foundation to meet a critical new reality: The market has shifted away from rewarding routine task execution. It now demands the ability to orchestrate the complex ecosystem of AI systems and human teams to deliver value.

The M.S. in Aii program is not just an academic degree; it is a strategic blueprint for your professional evolution. It is designed for those who understand that the future belongs to the people who can harness the power of AI. We are here to guide you to master this technology, transforming it from a disruption into your greatest asset, regardless of where you stand in your career:

- **For Aspiring Professionals and Graduates:** You will move beyond traditional entry-level tasks. We equip you to utilize AI to radically boost your personal productivity, allowing you to deliver results at a speed and quality that sets you apart from your peers immediately upon entering the workforce.
- **For Managers and Team Leaders:** You will learn to orchestrate a new kind of workforce. We teach you to structure and manage hybrid teams of humans and AI systems, harmonizing biological creativity with digital efficiency to achieve goals that were once out of reach.
- **For Executives and Visionaries:** You will gain the insight to redesign the very architecture of your organization. We prepare you to build the future-proof structures necessary to meet tomorrow's challenges, ensuring your business model evolves as fast as the technology does.

Our mission is to help you pivot from being a task executor to an **Intelligence Orchestrator**. You will learn to augment your human ingenuity with machine speed, equipping you to manage and structure AI systems for maximum impact. By mastering the architecture of these tools, you will drive an unprecedented productivity surge, automating the routine to focus your energy on generating new value that was previously impossible to achieve.

Backed by our AI Engineering Institute (AIEI) and national supercomputing infrastructure, you will gain the foresight to lead your organization through this digital transformation. You will learn to bridge the gap between technical potential and business goals, ensuring your organization doesn't just survive the AI era, but defines it.

I look forward to seeing you become the leader who doesn't just watch the future happen, but commands it.

Sincerely,

Akkarit Sangpetch, PhD
Program Director, M.S. in AI Innovation
CMKL University

1. Brief Overview of Program

Our mission is to empower innovators and domain experts from any field to pivot from task execution to **Intelligence Orchestration**. As the marketplace shifts away from manual information processing, the M.S. in Aii equips you to command the mixture of tools and teams that drive results.

This program is designed for those who seek to **harness the power of AI** - not just to understand it, but to structure and manage intelligent systems that unlock unprecedented productivity and create new business value. You will learn to bridge the critical gap between technical possibilities and strategic imperatives, balancing foundational AI knowledge with the ability to design and lead hybrid workforces.

Whether you are a fresh graduate seeking a competitive edge or an executive redesigning an organization, you will graduate ready to define the future of industry rather than simply adapt to it.

1.1 Vision

To be the premier catalyst for the next generation of leadership in the AI era: empowering a world where human ingenuity is exponentially amplified by artificial intelligence, and where organizations are led by visionaries who command the future rather than simply adapt to it.

1.2 Mission

To transform aspiring professionals, managers, and executives into **Intelligence Orchestrators**. We are dedicated to equipping our students with the strategic capability to harness, structure, and manage AI systems. By bridging the gap between technical potential and business strategy, we enable our graduates to drive unprecedented productivity surges and generate new value in a rapidly evolving global economy.

1.3 Value

Orchestration over Execution: We value the ability to design and command intelligent systems over the manual labor of moving information. We teach our students to stop doing the grunt work and start directing the tools that do.

Augmentation, Not Replacement: We believe the ultimate power of AI lies in its ability to supercharge human potential. We focus on structuring AI systems that work *with* human teams to achieve outcomes neither could accomplish alone.

Value Generation: We are driven by impact. We do not use AI simply to maintain the status quo; we harness it to solve complex problems and create entirely new forms of economic and societal value.

Agile Leadership: We prepare leaders for a fluid future. Whether you are a fresh graduate boosting personal productivity or an executive redesigning an organization, we instill the adaptability required to navigate and lead through constant technological change.

1.4 Program Educational Objectives

Our program educational objectives are as follows. The objectives represent our vision for what our graduates will be doing in their careers five years after graduation.

- **Strategic Intelligence Orchestrators:** Our graduates will evolve beyond traditional management to become Intelligence Orchestrators who harness the power of AI to drive organizational strategy. They will command the mixture of tools and teams required to execute complex initiatives, moving from manual execution to high-level direction. They will excel at restructuring workflows to achieve unprecedented productivity surges and competitive advantages.

- **Architects of Value & Hybrid Systems:** Our graduates will be the architects of the new hybrid workforce, bridging the gap between human creativity and machine efficiency. They will manage ecosystems where AI agents and human teams collaborate, integrating these capabilities to generate new forms of business value. They will be fluent in both technology and business, translating technical potential into systems that optimize operations far beyond previous limits.

- **Visionary Future Designers:** Our graduates will design the future-proof organizations of tomorrow. They will champion the responsible harnessing of AI, building resilient governance frameworks and ethical structures that allow their organizations to withstand rapid technological change. They will lead the path forward, ensuring that innovation creates sustainable, long-term impact for the economy and society.

2. Introduction

2.1 Degrees Offered

Graduates of the M.S. in Aii program will earn a **Master of Science in Artificial Intelligence Innovation** degree from CMKL University. Faculty advisors from CMKL University will help students create an academic and professional development plan. Advisors will also assist with the selection of modules and other elements of the M.S. in Aii program based on the student's professional background and career goals, culminating in the final AI Innovation Project.

2.2 Graduate Student Handbook

This handbook is intended to set guidelines and expectations for new and current Master's students in the Artificial Intelligence Innovation program at CMKL University. This handbook is not exhaustive and will be subject to revision from time to time. It is the responsibility of each student to read and understand the contents of this handbook. This handbook, along with any revisions, will be posted and announced annually on the university website.

2.3 CMKL University Statement of Equal Access

CMKL University does not discriminate in admission, employment, or administration of its programs or activities on the basis of race, color, national origin, sex, handicap or disability, age, sexual orientation, gender identity, religion, creed, ancestry, belief, veteran status, or genetic information. Additionally, CMKL University adheres to non-discrimination policies set forth in Thai national laws and executive orders.

Inquiries concerning the application of and compliance with this statement should be directed to the Vice President for Campus Affairs, CMKL University, 1 Soi Chalongkrung 1, Ladkrabang, Bangkok 10520, Thailand. Obtain general information about CMKL University by calling +66 65 878 5000.

3. Faculty Information

Throughout their time in the M.S. in Aii program, students will encounter a variety of faculty and staff members who will help them on their way to completing their degree. For more details about faculty backgrounds and specialties, please visit the university website.

3.1 Course Instructors

Supan Tungjitkusolmun Associate Professor, CMKL University
  B.S., Electrical and Electronics Engineering, University of Pennsylvania, USA
  M.S., Electrical Engineering, University of Wisconsin, USA
  Ph.D., Electrical Engineering, University of Wisconsin, USA

Orathai Sangpetch Assistant Professor, CMKL University
  B.S., Electrical and Computer Engineering, Carnegie Mellon University, USA
  M.S., Electrical and Computer Engineering, Carnegie Mellon University, USA
  Ph.D., Electrical and Computer Engineering, Carnegie Mellon University, USA

Akkarit Sangpetch Program Director, CMKL University
Director, AI Engineering Institute
B.S., Computer Science, Carnegie Mellon University, USA
B.S., Electrical and Computer Engineering, Carnegie Mellon University, USA
M.S., Electrical and Computer Engineering, Carnegie Mellon University, USA
Ph.D., Electrical and Computer Engineering, Carnegie Mellon University, USA

Sally Goldin Assistant Professor, CMKL University
Associate Director of Learning Innovation, CMKL University
B.A., Cognitive Psychology, Brown University, USA
M.A., Cognitive Psychology, Brown University, USA
M.S., Cognitive Psychology, Carnegie Mellon University, USA
Ph.D., Cognitive Psychology, Carnegie Mellon University, USA

Charnon Pattiyanon Assistant Director of IT, CMKL University
Instructor, CMKL University
B.S., Computer Engineering (International Program), KMUTT, Thailand
M.S., Software Engineering, Chulalongkorn University, Thailand
Ph.D., JAIST, Japan

Fawad Asadi Instructor, CMKL University
B.Eng., Electrical Engineering, Taibah University, Saudi Arabia
D.Eng., Biomedical Engineering and Artificial Intelligence, Rangsit University, Thailand

Irving Gómez Méndez Assistant Professor, CMKL University
B.Sc., Mathematical Engineering, Instituto Politecnico Nacional, Mexico
M.Sc., Probability and Statistics, Centro de Investigacion en Matematicas, Mexico
Ph.D., Probability and Statistics, Centro de Investigacion en Matematicas, Mexico

Pisut Wisessing Assistant Professor, CMKL University
B.A., Physics and Mathematics, Cornell University, USA
MFA., Digital Production Arts, Clemson University, USA
Ph.D., Computer Science, Trinity College Dublin, Ireland

Sarun Gulyanon Assistant Professor, CMKL University
B.Sc., Computer Science, University of Edinburgh, UK
M.S., Computer and Information Science, Purdue University, USA
Ph.D., Computer Science, Purdue University, USA

Dylan Powell Instructor, CMKL University
B.A. (Hons)., Product Design, De Montfort University, Leicester. UK
M.Sc., Managing Innovation in Creative Organisations, Loughborough University, UK

Justin Paulsen Assistant Professor, CMKL University
B.S., Marketing, Marist College, USA
B.S., Finance, Marist College, USA
MBA, International Business, Bryant University, USA

Lorenzo Avi Assistant Professor, CMKL University
Typography and Graphic Design, Ecole Nationale d'Etudes Superieure de la Cambre, Belgium
M.A., Interior Architecture, Académie Royale des Beaux-Arts de Bruxelles, Belgium

Pakpoom Buabthong Adjunct Faculty, CMKL University
B.Sc., Physics, University of Illinois Urbana-Champaign, USA
Ph.D., Materials Sciences, California Institute of Technology, USA

Panarat Cherntanomwong Assistant Professor, Department of Computer Engineering, KMITL
Associate Dean of Global Partnerships, CMKL University
B.Eng., Telecommunication Engineering, KMITL, Thailand

M. Eng., Electrical Engineering, KMITL, Thailand

D.Eng., International Development Engineering, Tokyo Institute of Technology, Japan

Tianwei Jing Instructor, Aii Program Manager, CMKL University

B.A., Mathematics, Economics, University of Virginia, USA

M. Entrepreneurship, University of Michigan at Ann Arbor, USA

Pasin Manurangsi Staff Research Scientist, Google

Adjunct Faculty, CMKL University

B.S., Theoretical Mathematics, Massachusetts Institute of Technology, USA

Ph.D., Theoretical Computer Science, University of California Berkeley, USA

Pongsin Poosankam Director, Data Innovation, Krungthai Bank

Adjunct Faculty, CMKL University

B.S., Computer Science, Carnegie Mellon University, USA

M.S., Computer Science, Carnegie Mellon University, USA

Ph.D., Computer Science, Carnegie Mellon University, USA

Sooksan Panichpapiboon Professor, School of Information Technology, KMITL

Adjunct Faculty, CMKL University

B.S., Electrical and Computer Engineering, Carnegie Mellon University, USA

M.S., Electrical and Computer Engineering, Carnegie Mellon University, USA

Ph.D., Electrical and Computer Engineering, Carnegie Mellon University, USA

Sorakrit Phruthanontachai Senior Vice President, Information Technology Division, Bangkok Bank

Adjunct Faculty, CMKL University

B.Eng., Computer Engineering, Chulalongkorn University, Thailand

M.S., E-Commerce Technology, University of Sussex, UK

M.S., IT in E-Business Technology, Carnegie Mellon University, USA

MBA., Sloan Fellows, MIT Sloan School of Management, USA

Suporn Pongnumkul Senior Researcher, NECTEC

Adjunct Faculty, CMKL University

B.S., Computer Science, Carnegie Mellon University, USA

B.S., Mathematics, Carnegie Mellon University, USA

M.S., Computer Science and Engineering, University of Washington, USA

Ph.D., Computer Science and Engineering, University of Washington, USA

4. Pre-Matriculation

4.1 Admissions Policies

Admission criteria for the M.S. in Aii program are designed to identify innovators and leaders who are poised to drive innovation and transformation in their fields. We consider professional experience, leadership potential, perseverance, and a passion for applying technology to solve complex problems. We also strongly welcome candidates from non-traditional or non-executive backgrounds, including recent graduates or those seeking academic integration, provided they demonstrate the capacity for rigorous learning. We are interested in students who will not only succeed academically at CMKL but will also actively contribute to our collaborative ecosystem and apply their learning to create real-world impact.

For information about the M.S. in Aii admission policies, including application requirements, dead-

lines, and links to the application forms, please visit the university webpage: `www.cmkl.ac.th/academic/graduate`.

4.2 English Language Proficiency Test

All learning activities in the M.S. in Aii program are conducted in English. Therefore, all prospective students must demonstrate English proficiency. Specifically, all applicants whose native language is not English must take an English language proficiency test. Native language is defined as a first language or the primary language spoken from birth. Test scores must be submitted by the application deadline for the semester in which students are applying.

CMKL accepts TOEFL, IELTS, and the Duolingo English Test as evidence of English language proficiency. Please refer to the admissions website for the specific score requirements for each test.

4.3 Final Transcripts

As a condition of enrollment at CMKL University, applicants admitted to the M.S. in Aii program must submit final official transcripts from their undergraduate institution. These transcripts must be properly sealed and sent directly from the institution conferring their degree. Certificates of graduation and/or degree certificates should also be submitted if provided by the institution.

Failure to provide documents that confirm the completion of all undergraduate graduation requirements by the end of the first semester of study at CMKL University may prevent the M.S. in Aii degree from being certified.

5. Enrollment and Registration

5.1 Degree Progress and Planning Overview

After matriculating into the M.S. in Aii program, students should create an academic plan with the help of their academic advisor. This plan will map out the modules required to complete the degree according to one of the two available timeframes: the **Regular Track (1.5 years)** or the **Accelerated Track (1 year)**. Students should actively engage in this process by reviewing degree requirements, connecting with their academic advisor, and conferring with faculty mentors to align their studies with their career goals.

Once a schedule is developed, students should declare their track to the CMKL academic office and stick to their study plan. It is the student's responsibility to register for modules via the student portal at `cube.cmkl.ac.th`. Students must be registered for every module they plan to take for the semester, even if it is not taken for units (e.g., audited modules).

5.2 Student Responsibility

It is the student's exclusive obligation to manage their academic development within the program. Students are expected to take the appropriate modules in sequence to satisfy degree requirements according to their chosen timeframe. It is also the obligation of the students to be aware of all academic deadlines, including the add and drop dates for modules. Academic dead-

line information can be obtained from each semester's academic calendar, which can be found at `https://www.cmkl.ac.th/cube/overview`.

If a student is not making the required progress or is concerned about their ability to complete degree requirements, they should seek advice and counsel from their academic advisor immediately.

5.3 Degree Requirements Timeframe

The M.S. in Aii program is designed for flexibility, offering three distinct timelines for completion, providing a flexible completion schedule. All tracks require the completion of 96 total units.

- **Paced Four-semester Track (2 Years):** This track is designed for students who wish to complete the program over four semesters. It allows for a more paced exploration of the curriculum while balancing other professional commitments.
- **Regular Three-semester Track (1.5 Years):** This track is completed over three semesters. The typical course load is approximately 36 units per semester for the first two semesters and 24 units in the final semester, which includes the AI Innovation Project.
- **Accelerated Two-semester Track (1 Year):** This intensive track is completed over two semesters. Students can use CMKL accredited credit transfer to fulfill the credit requirements. Full-time students in this track will take 48 units each semester to meet the degree requirements within one year.

Each semester, students are responsible for completing their enrollment. Students who do not register by the tenth day of class will be administratively dropped from the university.

5.4 Minimum Unit Requirements

All students are expected to enroll in a sufficient number of units each semester to stay on track with their chosen study track.

For international students, maintaining official full-time status is essential for visa purposes, unless the student possesses an alternative visa, decides to maintain part-time status, and does not require visa sponsorship from CMKL. Full-time International students must enroll in a minimum of 36 units per semester and participate in all required academic activities, including ongoing university-partner collaborations where applicable.

5.5 Maximum Units Allowed

The maximum number of units permitted in a single semester is 48. Students in the Accelerated Program will typically be registered for this maximum load. Students wishing to take more than the prescribed number of units for their study plan must receive special permission from their academic advisor.

5.6 Retaking Modules

If a student fails a required module, they should take another module to meet the unit requirement for graduation. Retaking the same module is generally not advised. All grades are recorded on the transcript and count toward the cumulative Quality Point Average (QPA).

5.7 Auditing Modules

Auditing a module means attending class but not obtaining academic units or a letter grade. Students who are present in a classroom but are not receiving academic units must officially audit the module to continue attending. To do so, students must:

1. Register for the module.
2. Obtain permission from the instructor by having them sign the course audit approval form.
3. Submit the signed form to their academic advisor for clearance.

After an audit request is approved, the declaration cannot be overturned. The deadline for submitting this form can be found on the Academic Calendar.

The module instructor must arrange and authorize the extent of the student's participation. Auditors are typically expected to attend class as if they were regular class members. Students who do not attend regularly may not receive an audit grade. Otherwise, the student obtains an audit grade of 'O,' which will appear on the transcript.

Audited module units count toward the maximum semester course load but not toward degree requirements. An audited module is billed in the same way as ordinary modules.

5.8 Pass/No Pass Modules

Students who wish to take a module on a Pass/No Pass basis must register for it and submit a Pass/No Pass approval form to their academic advisor for approval. If approved, the form will be sent to the academic advisor's office for processing.

After a Pass/No Pass approval form is submitted, no letter grade ('A'-'R') will be issued for the module, and this declaration cannot be overturned. Passing work (letter grades 'A' through 'C') is recorded on the student's academic record as 'P' (passing) or 'S' (satisfactory), with both grades meaning the same. Work graded 'C-' or lower will not receive units and will be recorded as 'N' (not passing) on the student's academic record. No quality points will be granted for 'P'/'S' or 'N' grades, and their units will not be counted into the student's QPA.

The deadline for submitting this form can be found on the Academic Calendar. Students will not be allowed to request the option to take a module on a Pass/No Pass basis after the deadline. Pass/No Pass units count toward the maximum semester course load but may not be used to fulfill core degree requirements.

6. Registering for Courses

6.1 Module Load

Students are advised to adhere to the module load outlined in their chosen study plan (Regular or Accelerated). We acknowledge, however, that our student body is unique, and this includes how each student manages their course load. Students who are uncertain about their module load should meet with their academic advisor to develop a plan to carefully manage their time during the semester.

6.2 Adding Modules

Students can add modules to their schedule beginning at their allocated registration time and continuing until the add/drop deadline. If students wish to be added to a module after the add/drop deadline, they must fill out the Module Add Request Form and have it signed by the module instructor. The form must then be submitted to the students' academic advisor and CUBE for approval.

6.3 Module Locations

Modules will take place at various buildings and room locations across CMKL University as assigned each academic semester. Please refer to the module schedule and detail on the module syllabus.

6.4 Dropping Modules

Students can drop modules from their schedule beginning at their allocated registration time and continuing until the add/drop deadline. When you drop a module before the drop deadline, it does not appear on your transcript. As a courtesy to others, students should drop a module as soon as they decide not to take it. This allows a waitlisted student to enroll while minimizing disturbance to any team-based tasks.

6.5 Withdrawing from Modules

Each semester, students should drop a module before the drop deadline. If a student wishes to withdraw from a module after the drop deadline, the student must do so in writing and should check with their advisor. To withdraw from a module after the drop deadline but before the end of the semester, students must complete and submit the Module Withdrawal Request form signed by their academic advisor and send it to CUBE for processing. Withdrawals receive a "W" grade on their record; this "W" grade is not counted into the QPA, but the module units count towards the maximum units.

6.6 Modules with Time Conflicts

In general, students are not permitted to enroll in two modules that are scheduled at the same time. Registration may be possible with the permission of both instructors, allowing for a conflict or attendance at a different time. In order to register for conflicting modules, students must receive permissions from the instructors and notify their academic advisor of their decision.

6.7 Prerequisites

While the university may enable you to register for modules without having completed a listed prerequisite, it is the duty of the student to have the appropriate background knowledge to be successful in the succeeding module. This prior knowledge could be from another module, your undergraduate university, or other work/research experience. Students should check with the instructors, as it is up to them if prerequisite modules can be waived or whether it is possible for students to catch up with the content throughout the module through self-study.

6.8 Final Exams

Any final exams or other final evaluation activities organized by individual module instructors must be attended by all M.S. in Aii students. Students must directly communicate with the instructor if there is a potential time conflict with another module. Attendance at the final evaluation activity is ultimately the student's responsibility. Please bear this in mind while planning travel; purchasing airline tickets is not an acceptable reason for skipping a final exam.

7. Research Assistant & Teaching Assistant Positions

7.1 Research Assistant for Pay

Students may pursue paid research opportunities in any department/program. Students should contact faculty members individually to enquire about possible opportunities and offer background information. More information on payroll procedures can be obtained from the supervising faculty.

7.2 Teaching Assistant Positions

Teaching assistant positions are available at various levels for M.S. in Aii students. Please seek guidance and counsel from the academic adviser for detailed information.

8. Enrollment and Degree Certification

8.1 Enrollment Verifications

The CUBE Office is the main point of contact for students and alumni who need a transcript, enrollment verification, or other information about their experience in the M.S. in Aii program. The program may provide a letter to verify some limited information, which may be appropriate for specific purposes, such as confirming skills students gained through the M.S. in Aii program. For more information, please contact your academic advisor.

8.2 Leave of Absence

Students may need to take a break from their studies for a variety of reasons (financial, academic, or personal). Students who wish to take a leave of absence must first consult with their adviser to discuss their goals while away and to iron out any conditions that may be required for a successful return to CMKL.

A student may depart CMKL by either withdrawing from the university (leaving with no intention of returning) or taking a leave of absence (leaving the university temporarily, with the firm and stated intention of returning). All students requesting a leave of absence must fill out a Leave of Absence Form. Going on a Leave of Absence does incur a fee to maintain a student's records and technological services. All students who are withdrawing must complete a Withdrawal Form. Notifying instructors or no longer attending classes does not complete the process.

The CUBE website has forms available. Tuition will be charged to the midway point of the semester or the last date the student attended an academically related activity (such as an exam, tutorial, or study group), or the final day a student turned in a class assignment if the leave form is not completed.

8.3 Returning from a Leave of Absence

Students on leave who want to return to CMKL to finish their degree can do so under certain conditions. Students must complete the Return from Leave of Absence form signed by their academic advisor and file it with CUBE for processing. Students must clearly state their intended semester of return. The form must be submitted at least one month prior to the start of the intended semester of return. Graduate students are eligible to return to the M.S. in Aii program within two years. Students who return after two years are subject to space limits and an academic performance review.

Students on leave are not able to live in university accommodation, attend classes, or work as students at CMKL while their leave is in force, according to university policy. It should also be noted that international students who take a leave of absence will lose their Educational Visa and will have to leave Thailand.

8.4 Degree Certification Process and Commencement

Students will be awarded a **Master of Science in Artificial Intelligence Innovation** degree.

To be eligible for degree certification, students must fulfill all degree requirements, including the successful completion of the AI Innovation Project, and record a minimum of 3.0 QPA in the courses applied toward the needed 96 units from CMKL. In addition, to receive their degree, students must have no outstanding balance in their CMKL tuition account. Students must submit the request to graduate form to CUBE for final degree requirement verification at the start of the intended semester of graduation. CMKL Commencement occurs only once a year. Students who satisfy the degree requirement after the annual event will be invited to the following commencement ceremony.

Before graduating, students should update their contact information with CUBE, such as their mailing address and email address. Students should also double-check the information displayed on the student account, such as the spelling of their name, to ensure correct information on their degree certificate.

9. Academic Standards

9.1 Grades

Below are the policies surrounding grades for students in the M.S. in Aii program.

University Policy on Grades

The university policy on grading offers details concerning university grading principles for students studying in the program and covers the specifics of assigning and changing grades, grading options, drop/withdrawals, and module repeats. It also defines the graduate standards.

Grading Policy

The M.S. in Aii program follows the following letter grade scale: 'A' (highest), 'A-', 'B+', 'B', 'B-', 'C+', 'C', 'C-', 'D+', 'D', and 'R' (lowest). Grades lower than 'C', meaning C- or below, are considered failing in the M.S. in Aii program and will not count toward degree requirements.

9.2 Academic Performance

Quality Points Average

In order to graduate, each student must have a Quality Point Average (QPA) of at least 3.0 in the modules being used towards the required 96 units. Module or project units with a grade lower than 'C' will not be considered toward graduate degree requirements. However, they will be calculated into the student's cumulative QPA.

Academic Probation

In the event that a student's semester or cumulative QPA falls below a 3.0, that student will be considered to be on academic probation and will receive a letter from the department alerting them. While on probation, students must meet with their academic advisor and comply with their recommendations. Once a student's semester and cumulative QPA increase above 3.0, the student is automatically removed from probation.

9.3 Academic Integrity

Students at CMKL are engaged in preparation for professional activity of the highest standards. Each profession constrains its members with both ethical responsibilities and disciplinary limits. To assure the validity of the learning experience, a university establishes clear standards for student work.

The M.S. in Aii program adheres to CMKL's policies on academic integrity and all students are expected to review these policies prior to their arrival at CMKL.

In any presentation, creative, artistic, or research work, it is the ethical responsibility of each student to identify the conceptual sources of the work submitted. Failure to do so is dishonest and is the basis for a charge of cheating or plagiarism, which is subject to disciplinary action.

The active, project-based learning focus of the M.S. in Aii program places even more stringent demands on students' integrity. Since students will demonstrate mastery largely via the creation of designs, strategies, and systems, they will need to rely on external sources and information. It is critical that students identify what work is their own and what work is derived from other sources. Furthermore, students must adhere to instructors' guidelines regarding what types of external sources are permitted.

Finally, some work at CMKL will be done in teams, while other work will be individual. Students should note that an individual assignment must be solely their own work. Copying of any sort on an individual assignment is a violation of ethical standards and will be subject to severe penalties.

Penalties for Violating Academic Integrity

Instructors are responsible for defining academic integrity for students in their modules, including student performance expectations and attendance requirements. Students are responsible for understanding and abiding by the instructor's academic integrity policies. Policies may vary from instructor to instructor, and students should seek further guidance from a faculty member if they have specific questions about a module's academic integrity policy.

Should an instructor believe that an academic integrity violation has occurred, he or she may consult with the Office of the Dean of Student Affairs, who will assist the faculty member in handling a possible academic integrity violation and, if a student is found responsible for violating academic integrity policies, determining possible sanctions. Sanctions may include being required to redo work, losing credit, and/or public admissions of guilt.

If a student is found to have violated the academic integrity policy for a second time, the student will be dropped from the M.S. in Aii program at the end of the semester in which the infraction has occurred. Students have the right to appeal an academic integrity decision.

10. M.S. in Aii Degree Requirements

All students in the M.S. in Aii program must satisfy the following requirements before the degree is awarded. A total of **96 units** of graduate-level work is required for graduation, broken down as follows:

- **36 units of Aii Core Modules**
  — Aii Pillar (CMKL 42-5XX)
  — 12 units from each of the three pillars (AI Core, Models & Data Fundamentals, Business & Strategy)
- **48 units of CMKL Elective Modules**
  — Aii (CMKL 42-6XX), AiCE (CMKL 41-XXX), ECE (CMKL 18-XXX)
- **12 units for the AI Innovation Project**

Students must choose one out of three study tracks to complete these requirements: the **Paced Track**, **Regular Track** or the **Accelerated Track**. The requirements for each track are described below.

10.1 Paced Four-Semester Track (2 Years)

This track is designed for students who wish to complete the program over four part-time semesters. It allows for a more paced exploration of the curriculum while balancing other professional commitments.

Sample Study Plan: Paced Track
Note: This is a sample plan. The actual sequence and selection of electives may vary based on module availability and student preference.

- **Semester 1.1**
  — CMKL 42-501: Foundations of Artificial Intelligence

— CMKL 42-531: Machine Learning and Deep Learning Models
- **Semester 1.2**
  — CMKL 42-532: Strategic Decision Frameworks
  — CMKL 42-502: AI & Digital Transformation
- **Semester 2.1**
  — CMKL 42-562: AI Ethics & Data Governance
  — CMKL 42-601: Agentic AI
- **Semester 2.2**
  — CMKL 42-561: Sustainable AI Innovation
  — CMKL 42-631: Data Modeling & Management
- **Semester 3.1**
  — Elective Module (e.g., CMKL 42-603: Scalable AI Architectures)
  — CMKL 42-900: AI Innovation Project (starts)
- **Semester 3.2**
  — CMKL 42-654: IP & Regulatory Frameworks
  — CMKL 42-900: AI Innovation Project (continues)
- **Semester 4.1**
  — Elective Module (e.g., CMKL 42-604: AI Security & Privacy)
  — CMKL 42-900: AI Innovation Project (continues)
- **Semester 4.2**
  — Elective Module (e.g., CMKL 42-656: Global AI Strategies)
  — CMKL 42-900: AI Innovation Project (concludes)

10.2 Regular Three-Semester Track (1.5 Years)

This track is designed for students who wish to complete the program over three semesters, or for students who have credit transfers accredited by CMKL academic standards. It allows for a paced exploration of the curriculum while balancing professional commitments.

Sample Study Plan: Regular Track
Note: This is a sample plan. The actual sequence and selection of electives may vary based on module availability and student preference.

- **Semester 1.1**
  — CMKL 42-501: Foundations of Artificial Intelligence
  — CMKL 42-651: AI Venture Development
  — CMKL 42-652: Innovation & Creative Problem-Solving
- **Semester 1.2**
  — CMKL 42-502: AI & Digital Transformation
  — CMKL 42-531: Machine Learning and Deep Learning Models
  — CMKL 42-601: Agentic AI
- **Semester 2.1**
  — CMKL 42-561: Sustainable AI Innovation
  — CMKL 42-604: AI Security & Privacy
  — CMKL 42-631: Data Modeling & Management
  — CMKL 42-900: AI Innovation Project (starts)
- **Semester 2.2**

- — CMKL 42-562: AI Ethics & Data Governance
- — CMKL 42-632: Data Collection & Societal Analysis
- — CMKL 42-653: AI Marketing & Communication
- — CMKL 42-900: AI Innovation Project (continues)
- **Semester 3.1**
  - — CMKL 42-532: Strategic Decision Frameworks
  - — Elective Module (e.g., CMKL 42-603: Scalable AI Architectures)
  - — CMKL 42-900: AI Innovation Project (continues)
- **Semester 3.2**
  - — CMKL 42-654: IP & Regulatory Frameworks
  - — Elective Module (e.g., CMKL 42-656: Global AI Strategies)
  - — CMKL 42-900: AI Innovation Project (concludes)

10.3 Accelerated Two-Semester Track (1 Year)

This intensive track is designed for students who wish to complete the program in two semesters. It is ideal for those able to dedicate themselves to a rigorous and fast-paced academic schedule. Credit transfer from CMKL accredited professional training courses allowed.

Sample Study Plan: Accelerated Track
Note: This is a sample plan. The actual sequence and selection of electives may vary based on module availability and student preference.

- **Semester 1.1**
  - — CMKL 42-501: Foundations of Artificial Intelligence
  - — CMKL 42-532: Strategic Decision Frameworks
  - — CMKL 42-651: AI Venture Development
  - — CMKL 42-652: Innovation & Creative Problem-Solving
  - — CMKL 42-900: AI Innovation Project (starts)
- **Semester 1.2**
  - — CMKL 42-502: AI & Digital Transformation
  - — CMKL 42-531: Machine Learning and Deep Learning Models
  - — CMKL 42-601: Agentic AI
  - — CMKL 42-654: IP & Regulatory Frameworks
  - — CMKL 42-900: AI Innovation Project (continues)
- **Semester 2.1**
  - — CMKL 42-561: Sustainable AI Innovation
  - — CMKL 42-604: AI Security & Privacy
  - — CMKL 42-631: Data Modeling & Management
  - — CMKL 42-900: AI Innovation Project (continues)
- **Semester 2.2**
  - — CMKL 42-562: AI Ethics & Data Governance
  - — CMKL 42-632: Data Collection & Societal Analysis
  - — CMKL 42-653: AI Marketing & Communication
  - — CMKL 42-900: AI Innovation Project (concludes)

10.4 AI Innovation Project

The **AI Innovation Project (CMKL 42-900)** is the culmination of the M.S. in Aii program. This mandatory, 12-credit practicum is designed to be taken during your final two semesters, serving as the ultimate synthesis of your academic journey. In this course, you will take the technical knowledge and theories acquired throughout the M.S. in Aii curriculum and apply them to a concrete, real-world venture.

- **Focus: The Business of AI:** While the solutions developed are technical in nature, the primary focus of this course is **business thinking and market application**. Students are expected to independently manage the technical execution of their ideas, whether by leveraging their own skills or securing external technical partners. This autonomy allows the course instruction to focus exclusively on the strategic aspects of innovation: business modeling, value creation, and the complexities of real-world deployment.
- **Instructor as Strategic Mentor:** Moving away from traditional lecturing, the instructor serves as a **Business Mentor**. Their role is to guide teams through the commercialization lifecycle, helping to navigate the gap between a working prototype and a deployable product. The mentor provides critical feedback on strategy, operations, and market fit, ensuring the project is not just technically sound, but commercially viable.
- **Program Design & Logistics**
  - **Practicum-Based Learning:** A hands-on environment where students transition from learners to practitioners, developing projects with the intent to launch.
  - **Timeline:** Spanning the **final two semesters** of study, allowing for a deep, sustained focus on product development and launch strategy.
  - **Project Scope:** Projects may be derived from a student's current company or developed as new independent ventures.
  - **The Outcome:** The course aims to nurture an entrepreneurial mindset and sense of ownership, preparing students to launch their project in the real world immediately upon graduation.
- **Legal & IP Compliance:** To ensure professional integrity and protect all parties, students are required to sign a disclaimer prior to the start of the course. This agreement certifies that the student possesses the legitimate rights to use all data, intellectual property, and materials involved in their project, and that their work does not violate any employment contracts or third-party agreements.

10.5 Professional Training Pathway (PTP)

The Professional Training Pathway (PTP) offers a dedicated route for individuals who have successfully completed accredited CMKL professional training courses to earn a **Master of Science in Artificial Intelligence Innovation (M.S. in Aii)**. This pathway is specifically designed to recognize prior learning, allowing students who have completed accredited CMKL courses to transfer eligible training credit toward their graduate degree requirements. This credit transfer enables qualified students to participate in **Accelerated Track (1 Year)**. The PTP empowers working professionals to accelerate their degree completion by complementing their strong foundation in AI strategy, business, and innovation with prior CMKL-accredited training. Students seeking this pathway must submit their professional training documentation for review during the admission process and declare their intention for the Accelerated Track or Regular Track. The **transfer of credit is subject to review during admission and declaration of track, and requires final approval by the Graduate Study Committee**. A maximum of 24-credit transfer is allowed to the M.S. in Aii from PTP.

10.6 Integrated B.Eng. in AiCE / M.S. in Aii

The Integrated Master's/Bachelor's (IMB) program offers a unique pathway for academically excellent students in the Bachelor of Engineering (B.Eng.) in AiCE program to earn a **Master of Science in Artificial Intelligence Innovation (M.S. in Aii)**. This integrated track allows technically-focused undergraduate students to complement their engineering expertise with a strong foundation in AI strategy, business, and innovation without a separate application process. This means no additional application fees, no letters of recommendation, and no requirement for the GRE (Graduate Record Exam).

Eligible students begin by completing their B.Eng. in AiCE degree and can complete the M.S. in Aii degree concurrently or over the following semesters. If a module is eligible for the M.S. degree but must be used to complete the B.Eng. degree, the B.Eng. degree takes priority. The M.S. in Aii cannot be granted until all requirements for the B.Eng. are fulfilled and the undergraduate degree is conferred.

Eligibility and Admission

Undergraduate AiCE students with a 3.00 QPA or above automatically become eligible for the IMB program in the second semester of their junior year, once they have completed at least 270 units. To be officially admitted, students must attend an IMB information session and sign a declaration form. These sessions are offered twice per semester, and all juniors and seniors will be notified via email.

Undergraduate students with a 2.50 to 2.99 QPA may petition to enter the IMB program in their final semester. These students must obtain the approval of their undergraduate advisor and attend an IMB information session. The petition form can be obtained from their undergraduate academic advisor and must be submitted by the specified deadline each semester. Students with a QPA below 2.50 are not eligible for this IMB program.

Degree requirements

The graduate-level requirements for the integrated program are the same as for the standalone M.S. in Aii degree, requiring a total of 96 units. All requirements for the M.S. in Aii degree are in addition to the requirements for the B.Eng. in AiCE. No requirements for the M.S. degree may be used in any way toward the B.Eng. degree. Students will be committed to the M.S. in Aii curriculum requirements that exist at the time they sign their declaration form. Once a student in the IMB program has completed all the requirements for the B.Eng. degree, they may officially become a graduate (Master's) student. To do this, the student's undergraduate degree is certified, and the student officially graduates with the B.Eng. degree. After this certification, no more courses may be applied toward the B.Eng. degree. To determine the most appropriate time to transition to graduate student status, an undergraduate student should consult with CUBE to consider financial aid implications and with their academic advisor to plan their module schedule.

11. Post-Matriculation Guidelines

11.1 Return of University Property

M.S. in Aii students must return all borrowed university materials, such as software, manuals, library books/materials, or any other CMKL University property, prior to their departure from the program.

11.2 Career Services Employment Outcomes

M.S. in Aii students are asked to complete and return a survey for Career Services, updating CMKL on their employment outcomes after graduation. Information about the survey is communicated in the students' final semester.

11.3 "Grandfather" Clause

When policies are changed, it is because the program believes the new rules offer an improvement; any such changes will be communicated to students. In case degree requirements are changed and certain modules are no longer offered, the program will try to find a reasonable compromise that allows those students to satisfy the original requirements.

12. Tuition and Fees

Unless scholarship and financial-aid packages are arranged and approved in advance, M.S. in Aii students are considered full-time and will be charged full-time tuition for the M.S. in Aii program. The total charges for a period of attendance and an estimated schedule of total charges for the entire educational program can be found on the financial services website: `https://www.cmkl.ac.th/cube/financial-services/overview`.

All charges incurred at the university are reflected in the student's account. Charges include tuition and fees and may include health insurance, technology fees, transportation fees, student activities fees, and other miscellaneous charges. Miscellaneous charges may include, but are not limited to, library fines, parking fines, or emergency loans.

The university also offers need-based assistance for financial aid as well as merit-based scholarships. Interested students are advised to designate their interest in the application form.

12.1 Tuition Billing and Payments

The tuition rate for students entering the M.S. in Aii program is set in the spring for the class entering the following fall semester. Tuition for subsequent semesters will likely increase in accordance with the university's standard tuition increase of approximately 3% per academic year.

Students will be charged tuition per semester for each semester in which they are enrolled. The tuition and required fee billing are handled centrally by the CMKL University finance department.

Student account invoices are produced on the last day of each month. Invoices detail all transactions processed in the month, as well as any charges due in the future. Students will receive an email notification to their CMKL email account when an invoice is ready for viewing. Payments for amounts due from a monthly invoice must be received by the 15th of the next calendar month. Any amounts not paid by the stated due date are subject to a 10% interest charge per year, or 0.83% per month, until the balance is paid in full.

13. Conclusion

CMKL University is ready to welcome promising and proactive leaders who want to prepare themselves for the challenges of tomorrow. We hope that this handbook has answered your questions about our philosophy, policies, and curriculum for the Master of Science in Artificial Intelligence Innovation. Should you have any questions or concerns, please do not hesitate to contact us at +66-65-878-5000 or info@cmkl.ac.th.

Appendices

A. List of Program Courses

The following modules are offered at CMKL University for the M.S. in Aii program (additional modules may be added later). All modules are 6 units unless otherwise specified.

A.1 Pillar 1: AI Core

Core Modules

Foundations of Artificial Intelligence (CMKL 42-501) – 6 Units Gain a comprehensive introduction to artificial intelligence by tracing its evolution from symbolic reasoning systems to contemporary machine learning and neural networks, while studying foundational algorithms, knowledge representation, and search strategies. The module emphasizes not only the theoretical underpinnings of AI but also the practical application of AI frameworks and tools to real business challenges. Students will critically evaluate AI solutions through case studies, examining the impact of AI adoption across various industries. Ethical, legal, and societal implications - such as bias, fairness, and responsible innovation - are explored, alongside strategies for effectively communicating AI concepts to non-technical stakeholders. Assignments focus on assessing the suitability of AI methods for organizational goals and proposing actionable solutions aligned with business needs.

AI & Digital Transformation (CMKL 42-502) – 6 Units Investigate how artificial intelligence is reshaping digital transformation by blending technical foundations with strategic leadership. The module covers the integration of AI technologies—such as machine learning, natural language processing, and automation—into business models and processes, focusing on both the technical implementation and the development of actionable AI roadmaps aligned with organizational strategy. Attention is given to challenges like legacy system integration, data readiness, and workforce adaptation. Through case studies and group projects, assess organizational readiness, identify high-impact opportunities, and design transformation initiatives that balance innovation with risk and ethical considerations. The course culminates in the ability to lead and communicate both technical and strategic value in scaling AI-driven transformation within an organization.

Elective Modules

Agentic AI (CMKL 42-601) – 6 Units Explore the core concepts and strategic applications of autonomous AI agents, focusing on identifying high-value use cases ranging from supply chain automation and robotics to personalized customer service and complex negotiations. The curriculum digs into agent architectures, reinforcement learning, and multi-agent coordination, while also examining the business models, operational efficiencies, and ethical challenges associated with deploying autonomous systems. Through group projects and real-world scenarios, students will evaluate integration strategies and develop leadership skills for guiding agentic AI adoption, emphasizing risk management, stakeholder communication, and solution design that aligns with organizational objectives.

AI Development Lifecycle & Operations (CMKL 42-602) – 6 Units Develop a managerial perspective on the end-to-end lifecycle of AI initiatives, beginning with defining business needs and progressing through solution delivery and ongoing value realization. The course empha-

sizes aligning AI projects with organizational strategy, conducting stakeholder analysis, and setting measurable objectives and success criteria. Students will learn to structure and lead cross-functional teams, prioritize use cases based on business impact and feasibility, and ensure regulatory and ethical compliance. Best practices in data governance, project planning, risk management, and change management are explored, with a focus on supporting effective AI adoption. Case studies and solution prototyping are used to reinforce skills in monitoring project progress, measuring ROI, and driving continuous improvement to ensure AI solutions deliver sustainable business value and adapt to evolving organizational goals.

Scalable AI Architectures (CMKL 42-603) – 6 Units Study the design and implementation of scalable, enterprise-grade AI systems, with a focus on cloud-native deployment and distributed computing. The module covers microservices, containerization, serverless architectures, and orchestration tools such as Kubernetes, along with distributed training and data parallelism. Students will analyze strategies for optimizing latency, cost, and fault tolerance in large-scale AI deployments, and examine real-world case studies of resilient and flexible AI infrastructure. Assignments emphasize developing solution proposals for scaling AI in enterprise environments and communicating architectural decisions to both technical and non-technical audiences.

AI Security & Privacy (CMKL 42-604) – 6 Units Address the unique security and privacy challenges associated with AI systems, including threats such as data poisoning, adversarial attacks, and model inversion. Students will learn about implementing defense mechanisms like differential privacy, homomorphic encryption, and secure multi-party computation, as well as navigating regulatory frameworks such as GDPR and CCPA. The course integrates risk assessment, audit protocols, and compliance strategies, and uses case studies and practical exercises to develop expertise in designing and maintaining secure, privacy-preserving AI solutions that build business trust and meet legal and ethical standards.

A.2 Pillar 2: Models & Data Fundamentals

Core Modules

Machine Learning and Deep Learning Models (CMKL 42-531) – 6 Units Focus on the practical application of machine learning and deep learning models to solve real-world business problems by learning to frame business challenges as machine learning tasks, select appropriate algorithmic approaches, and evaluate model performance for business impact. The course covers foundational concepts in supervised, unsupervised, and deep learning—including neural networks—and emphasizes understanding the capabilities of different models and interpreting their results for actionable insights. Students will analyze case studies of ML impact in business, participate in group projects to develop solution prototypes, and practice communicating technical findings to decision-makers for strategic implementation.

Strategic Decision Frameworks (CMKL 42-532) – 6 Units Combine game theory, behavioral economics, and decision science to provide a comprehensive framework for strategic planning and decision-making in AI contexts. Students will model competitive and cooperative scenarios, predict agent and human behaviors, and optimize outcomes in uncertain and dynamic environments. The module covers Nash equilibria, decision trees, utility theory, and applications in AI-driven negotiations and resource allocation. Through practical exercises and simulations, students apply theoretical concepts to real-world strategic challenges, emphasizing stakeholder communication and the development of solution strategies for complex business environments.

Elective Modules

Data Modeling & Management (CMKL 42-631) – 6 Units Gain in-depth coverage of the data life-cycle, from acquisition and preprocessing to storage, management, and retirement, with a strong emphasis on data quality and governance. The curriculum includes advanced feature engineering, data versioning, and the implementation of robust data governance frameworks, as well as distributed data processing systems and best practices for data security. Students will explore model interpretability techniques such as SHAP and LIME, and examine the relationship between data quality and model performance. Assignments focus on building data governance frameworks and communicating data-driven insights to stakeholders in support of organizational objectives.

Data Collection & Societal Analysis (CMKL 42-632) – 6 Units Explore advanced methods for data collection, survey design, and societal impact analysis, with a focus on ethical considerations and business application. Students will learn to design and implement effective surveys, analyze data for social patterns, and address bias mitigation and data ethics. The curriculum covers advanced sampling techniques, data cleaning, and the use of data to inform policy and business decisions. Assignments include conducting data-driven studies that reflect societal trends and communicating findings to stakeholders for informed decision-making.

Large-Scale Data Processing (CMKL 42-633) – 6 Units Examine the challenges and solutions for processing massive datasets using distributed computing frameworks such as Apache Spark and Hadoop. Students will implement parallel and stream processing, optimize resource utilization, and ensure fault tolerance in large-scale environments. The course covers cluster management, data sharding, and real-time analytics, preparing students to build and manage scalable data infrastructure for AI applications. Group projects and case studies focus on technology selection, resource allocation, and scaling AI solutions in real-world business contexts.

A.3 Pillar 3: Business & Strategy

Core Modules

Sustainable AI Innovation (CMKL 42-561) – 6 Units Develop AI solutions that are both profitable and socially responsible by conducting lifecycle assessments, designing circular economy models, and measuring the carbon footprint of AI systems. Students will engage in stakeholder analysis, sustainable business model innovation, and the integration of sustainability metrics into AI development processes. The module includes case studies on balancing profitability with long-term societal and environmental impact, and assignments focus on reporting, communicating, and optimizing sustainability outcomes in AI initiatives.

AI Ethics & Data Governance (CMKL 42-562) – 6 Units Integrate ethical frameworks and strategic data governance to establish a holistic model for AI systems and the data that powers them. Students will explore fairness audits, bias mitigation techniques, transparency and explainability standards, and accountability systems, with a focus on compliance with regulations such as PDPA and GDPR. The curriculum emphasizes stakeholder engagement, policy development, and the creation of unified organizational policies for responsible AI use. Topics also include data quality, security, lifecycle management, and real-world case analysis to develop governance models tailored to diverse enterprise contexts.

Elective Modules

AI Venture Development (CMKL 42-651) – 6 Units Gain a comprehensive overview of entrepreneurship and venture creation in the AI sector, including business model development, fundraising strategies, and financial management tailored to AI-driven ventures. Students will create pitch decks, valuation models, investor negotiation tactics, and go-to-market strategies, and participate in simulations and industry engagement to acquire practical skills necessary to launch and grow successful AI startups.

Innovation & Creative Problem-Solving (CMKL 42-652) – 6 Units Develop creative thinking and systematic problem-solving skills using methodologies such as design thinking and TRIZ. Students will engage in ideation exercises, rapid prototyping, and creative facilitation in team environments, with an emphasis on generating innovative solutions to complex, ambiguous problems and translating ideas into actionable projects. The module builds a toolkit for fostering innovation within organizations and driving AI-powered change.

AI Marketing & Communication (CMKL 42-653) – 6 Units Cover the unique challenges and strategies for marketing and communicating AI products and services, including product positioning, crafting compelling messaging, and measuring adoption metrics. Students will create go-to-market plans, customer education materials, and technical sales collateral, while exploring ethical considerations in AI marketing and best practices for building trust with diverse audiences.

IP & Regulatory Frameworks (CMKL 42-654) – 6 Units Examine the landscape of intellectual property (IP), regulatory compliance, and industry standards relevant to AI innovation. Students will learn about patent strategies, open-source licensing, and the impact of global regulatory regimes on AI development and commercialization. The course covers standards development, risk management, and legal considerations in deploying AI solutions across jurisdictions, with practical exercises in drafting IP protection strategies and compliance plans.

Social Impact Assessment (CMKL 42-655) – 6 Units Learn frameworks and methodologies for assessing the societal consequences of AI deployments, conducting impact assessments, developing mitigation strategies for negative outcomes, and designing inclusive AI systems that address the needs of diverse communities. The curriculum covers stakeholder analysis, ethical impact evaluation, community engagement approaches, and measuring, reporting, and optimizing the social impact of AI initiatives.

Global AI Strategies (CMKL 42-656) – 6 Units Analyze the international AI ecosystem, exploring cross-cultural challenges, regulatory diversity, and partnership models for global AI deployment. Students will develop market entry strategies, assess geopolitical risks, and study the role of international organizations in AI standardization and collaboration. Case studies examine multinational AI projects and strategies for adapting AI solutions to varied cultural and regulatory environments.

A.4 AI Innovation Project Requirement

AI Innovation Project (CMKL 42-900) – 12 Units Work in teams to identify a real-world business or societal challenge and develop an AI-powered solution, service, or product to address it. The project encompasses all stages of innovation, including problem identification, market and technical feasibility analysis, solution design, prototyping, and business modeling. Students will prepare a comprehensive pitch, including technical architecture, go-to-market strategy, and financial projections, and present it to a panel of faculty and industry experts. The project emphasizes interdisciplinary integration, entrepreneurial thinking, stakeholder engagement, and the practical application of skills acquired throughout the program, ensur-

ing graduates are prepared to deliver both technical and business/managerial execution in real-world contexts.