



Postgraduate Studies and Research



The Executive Master's Program in

Internet of Things

(4 Semesters)



920005556



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Program Mission

To offer competitive higher education in Internet of Things within a supportive academic environment to prepare qualified internet of things specialists with vital employability skills, make research contributions, promote community engagement, and participate in realizing the Kingdom's Vision 2030.

Program Goals

1. Improve the quality of teaching and learning experiences, the quality of learning resources, and the quality of basic facilities, equipment, and supporting infrastructure.
2. Provide support to students through the improvement of academic, social, psychological, and professional advising, counseling, and supportive services.
3. Enhancement of the performance of faculty members both professionally and academically.
4. Improvement of the program's administrative efficiency and processes and procedures.
5. Preparation of competent and qualified graduates with vital employability skills demanded in the labor market to:
 - Enable graduates to demonstrate core knowledge in IoT using essential technologies, and basic research skills.
 - Enhance students' critical thinking, problem-solving, communication and teamwork skills.
 - Improve students' awareness of ethical values, principles of professional conduct, independence, and autonomy.
6. Contribute to the field of IoT through the production of quality research in alignment with OC and the program's research priorities.
7. Contribute to the local community through services, programs, and consultations.

Expected Career Opportunities for Graduates

For example:

- IoT Business Development Manager.
- IoT Architect.
- IoT Embedded Systems Designer.
- IoT Security Engineer.
- IoT Systems Administrator.
- IoT Network Engineer.

And more.

Program Study Plan

Study Plan (36 Credit Hours)

First Year - First Semester		
Course Code	Course Name	L
MloT 611	Introduction to the Internet of Things	3
MloT 612	Advanced IoT Communications and Networking	3
MloT 613	Embedded Digital Systems for IoT	3
Total Hours		9

First Year - Second Semester		
Course Code	Course Name	L
MloT 621	Cloud and Edge Computing	3
MloT 622	Wireless Sensor Networks	3
MloT 623	Advanced Security of Internet of Things and Cyber-Physical Systems	3
Total Hours		9

Second Year - First Semester		
Course Code	Course Name	L
MloT 631	Network Security	3
MloT 632	Introduction to Software Security	3
MloT 66X	Elective Course	3
Total Hours		9

Second Year - Second Semester		
Course Code	Course Name	L
MloT 699	Research Project	6
MloT 66X	Elective Course	3
Total Hours		9

Elective Courses		
Course Code	Course Name	L
MloT 663	Advanced IoT Analytics with Cloud Services	3
MloT 669	Special Topics in Computing and IoT	3