The Board of Trustees of the

Asian Institute of Technology

On the Recommendation of the Academic Senate
Has Conferred Upon

JANNET COLUBIO BENCURE

The Degree of

Doctor of Philosophy

With all of its Privileges and Obligations

Given this twenty-second day of May 2020

Dr. Eden Woon
President of the Institute

Dr. Tongchat Hongladarompp
Chairman of the Board

Certified true copy
Joan Carla C. Gonzales
Acting Director
Office of Student Affairs

For verification, please check from URL: https://certificates.ait.ac.th/035b19ef-7b01-4113-6486-6d5f4479f1cf

ASIAN INSTITUTE OF TECHNOLOGY

OFFICIAL TRANSCRIPT

Issue Date: 29 Jul. 2020

Name Ms. Jannet Colubio Bencure	Previous Degree/Institution M.Eng. Asian Institute of Technology, Thailand
Date of Birth 26 June 1980	Country Philippines
Registration No. 118901	Date Admitted to AIT 04 August 2016
School School of Engineering and Technology	Degree Awarded Doctor of Philosophy
Department Department of Information & Communication Technologies	Date of Graduation / Completion 22 May 2020
Academic Program Remote Sensing and Geographic Information Systems	Notes

Year Awarded	Advancement to Candidacy	Final Examination
2010	30 October 2017	27 February 2020

Course No.	Descriptive Course Title	Total Hours Lab.	Total Hours Lec.	Credits	Grade	GPA	Cumulative GPA
	August Semester 2016						
CE74.31	Coastal and Estuarine Processes	0	45	3.0	B+		
AT76.9026	Selected Topic: Introduction to Spatial Information Engineering	0	15	1.0	A		
AT76.9021	Selected Topic: WebGIS Technology	45	15	2.0	B+		
AT60.993A	Special Study: Automatic Coastline Extraction Techniques Using Landsat Imager for Coastal Morphology Change Analysis			3.0	I		
				6		3.58	3.58
	January Semester 2017						
AT76.9036	Selected Topic: Geospatial Modeling for Environment	45	15	2.0	B+		
AT76.18	Advance Mapping Techniques	0	30	2.0	A		
AT76.15	Microwave Remote Sensing	0	30	2.0	A		
CE74.71	EIA and GIS Applications in Water Resources	45	30	3.0	A		
AT60.993A	Special Study: Automatic Coastline Extraction Techniques Using Landsat Imager for Coastal Morphology Change Analysis			3.0	B+		
				12		3.79	3.72
	Coursework Credits Gained:			18.0			3.72
	Dissertation Credits Gained:			66.0			
	Total Number of Credits Gained:			84.0			

Certified true copy

Joan Carla C. Gonzales

Acting Director
Office of Student Affairs

Title of Dissertation: GEOSPATIAL LAND VALUATION MODELING USING THE INTEGRATED MULTIVARIATE ANALYSIS AND AHP

Program Committee:
1 Prof. Nitin Kumar Tripathi (Chairperson)
2 Dr. Hiroyuki Miyazaki (Co-chairperson)
3 Dr. Sarawut Ninsawat (Member)
4 Dr. Sohee Minsun Kim (Member)

External Examiner: Name: Prof. Vit Vozenilek

Affiliation: Department of Geoinformatics, Faculty of Science, Palacky University Olomouc, Czech Republic

Official transcript not valid without signature and seal of the Institute

Joan Carla C. Gonzales
Acting Director, Office of Student Affairs

GRADING SYSTEM FOR GRADUATE PROGRAMS

Course Grade	Definition	Grade Points
A	***Excellent.*** Thorough knowledge and mastery of concepts and/or techniques together with a high degree of skill and/or great originality in satisfying the requirements of a piece of work or course.	4.00
B+	***Very Good.*** Thorough knowledge and mastery of concepts and/or techniques together with a fairly high degree of skill in the use of those concepts and techniques in satisfying the requirements of a piece of work or course.	3.50
B	***Good.*** Good level of knowledge or mastery of concepts and/or techniques with a considerable skill in using them in satisfying the requirements of a piece of work or course.	3.00
C+	***Near Competent.*** Level of knowledge or mastery of concepts and/or techniques requires more efforts to satisfy the requirements of a piece of work or course.	2.50
C	***Deficient.*** Level of knowledge or mastery of concepts and/or techniques requires intensive efforts to satisfy the requirements of a piece of work or course.	2.00
D	***Highly Deficient.*** Knowledge or mastery of concepts and/or techniques and understanding of the subject matter is unacceptably low.	1.00
F	***Failing.*** Very poor with very limited knowledge or limited mastery and understanding of concepts and/or techniques; comprehension of the subject matter is very limited.	0
I	***Incomplete.*** Course may be completed at a later time without prejudice.	-
Pass/Fail	A "passing" grade refers to any grade above "1" and a "failing" grade refers to grade equal to "1" or below.	

A thesis (22 credits), research study (10 - 12 credits) or project (6 credits) which is judged to be satisfactory, is accorded one of the following grades:

Grade	Definition
Excellent	An excellent grade marks an exceptionally skillful and innovative piece of research. The work clearly and explicitly has significance in the respective field on a national and international level. The knowledge of previous research and theoretical discussion is comprehensive, the concepts relevant and derived skillfully from prior discourse in the respective field. Due to scientific or practical merits, the work could be published as such or as an abridged version in a scientific or - in case of a project - practitioner's journal or a similar reviewed publication in the field.
Very Good	Overall, the work indicates the author's independent, critical and innovative research method, ability to analyze theoretically substantial bodies of knowledge and problems or the skill to implement solutions to significant practical assignments. The research goals, concepts and terminology and research problems are well-determined and skillfully combined into a theoretical framework. The research methodology is well chosen and argued, and the gathering and analysis of material has been done with insight.
Good	The work demonstrates, while not on a high level, the author's ability to accurately conduct research or – in case of a project - prepare solutions to practical problems. The topic and approach chosen may be conventional. The methodical choices have been accounted for, if only narrowly. Theories and research results related to the research subject have been discussed, but on the whole the approach may be mechanical, merely listing the relevant research bases. The language range used may be limited.
Fair	The research work is acceptable but there are shortcomings on several aspects. Research goal and the terminology used may be unclear. The scientific or practical background may be either too narrow or badly delimited. Analysis of the material may be incomplete and the presentation of the results not fully convincing.

Note: Internships are graded Excellent, Very Good, Good or Fair.

Grades received for all courses are used in the computation of cumulative averages, but only course grades of C or higher can be counted to satisfy the credit requirement.

A student must repeat a required course if the grade awarded was not considered satisfactory (grade "D" or "F"). A student may choose to repeat any course. When a course is repeated, only final grade is recorded on the final transcript, along with no. of attempts noted. Students who repeat courses are not eligible for awards based on CGPA. Students are charged for repeating courses at the standard rate per credit hour.

An audit course cannot be given grades or credit as the student is not required to take examinations, but may participate in class discussions at the discretion of the course instructor.

English is the language of all Institutes' academic and administrative communication.

AIT Degree requirements can be obtained by contacting registry@ait.ac.th.

Contact Address: Registry Unit, Office of Student Affairs (OSA), Asian Institute of Technology, P.O. Box 4, Klong Luang, Pathumthani 12120, Thailand
Tel: (66-2) 524-5034-36, 6322, 6325; E-mail: registry@ait.ac.th; Homepage: www.ait.ac.th

For verification, please check from URL: https://certificates.ait.ac.th/035b19ef-7b01-4113-6486-6d5f4479f1cf

GP