



TECHNOLOGICAL INSTITUTE OF THE PHILIPPINES
363 P. Casal St. Quiapo, Manila

**COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
= ISO 9001 =**

**CURRICULUM LEADING TO THE DEGREE OF
DOCTOR OF PHILOSOPHY IN COMPUTER SCIENCE
EFFECTIVE SECOND SEMESTER OF SY 2020 – 2021**

Catalog	No.	Descriptive Title	Hours/Week		Credit
			Lec	Lab	
SPECIALIZATION COURSES (24 UNITS)					
PHDCS	101	Special Topics in Computer Science Theory: Data Mining and Pattern Recognition	3	0	3
PHDCS	102	Special Topics in Computer Science Theory: Modelling and Simulation	3	0	3
PHDCS	103	Special Topics in Computer Science Theory: Image Processing	3	0	3
PHDCS	104	Special Topics in Computer Science Theory: Intelligent System	3	0	3
PHDCS	105	Special Topics in Computer Science Theory: Affective Computing	3	0	3
PHDCS	106	Formal Language, Automata Theory and Computations	3	0	3
PHDCS	107	Advanced Theory of Computation	3	0	3
DOES	1F3	Distributed Systems	3	0	3
PHDCS	109	Compiler Construction	3	0	3
PHDCS	110	Natural Language and Speech Processing	3	0	3
DOES	1G3	Information Theory	3	0	3
PHDCS	112	Advanced Computer Graphics	3	0	3
DOES	1B3	Neural Network	3	0	3
PHDCS	114	Evolutionary Computing	3	0	3
PHDCS	115	Intellectual Property Issues Regarding Patents and Researches in Computing	3	0	3
PHDCS	116	Seminars and Special Topics in the Latest Trends and Development in Computing	3	0	3
PHDCS	117	Advanced Design and Analysis of Algorithms	3	0	3
DOES	193	Artificial Intelligence	3	0	3
DITCC	107	Scientific Writing and Communication	3	0	3
DITCC	108	Special Topics	3	0	3
DISSERTATION COURSES (12 UNITS)					
DISWR	201	Dissertation 1	3	0	3
DISWR	202	Dissertation 2	3	0	3
DISWR	203	Dissertation 3	3	0	3
DISWR	204	Dissertation 4	3	0	3
			TOTAL = 36 UNITS		