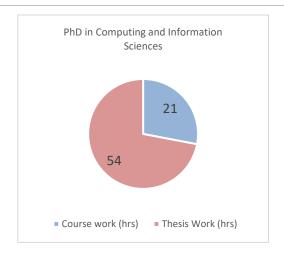
Doctor of Philosophy in Computing and Information Sciences

Program Components

CRD
75
75



Detailed Study Plan

Year 1 - Semester 1

Course Code	Course Title	Course Hours			Course Hours		Course Hours		Course	Pre	Major
	Course Title	LEC	PRAC	CRD	Type	requisite	GPA				
ITCIS791	Research Methods	3	0	3	MR	NONE	YES				
ITCIS792	Statistics Techniques	3	0	3	MR	NONE	YES				
ITCIS714	Advanced Topics in Al	3	0	3	MR	NONE	YES				

Year 1 - Semester 2

Course Code	Course Title	Course Hours		Course		Course Hours		Course	Pre	Major
	Course Title	LEC	PRAC	CRD	Type	Type requisite	GPA			
ITCIS715	Advanced Topics in Applied Computing and Information Sciences	3	0	3	MR	NONE	YES			
ITCIS716	Advanced Topics in Theoretical Computing and Information Sciences	3	0	3	MR	NONE	YES			
ITCIS793	Graduate Seminar	3	0	3	MR	NONE	YES			

Year 2 - Semester 3

Course Code	Course Title	Course Hours			Course Pre		Major
	Course Title	LEC	PRAC	CRD	Type	requisite	GPA
ITCIS717	Selected Advanced Topics in Computing and Information Sciences	3	0	3	MR	NONE	YES
ITCIS795	PhD Thesis I	-	18	6	MR	Pass 18 credits	YES

Year 2 - Semester 4

Course Code	Course Title	Course Hours Course Pre			Pre	Major	
	Course ritte	LEC	LEC PRAC CRD	Type requisit	requisite	GPA	
ITCIS796	PhD Thesis II	0	36	12	MR	ITCIS795	YES

Year 3 - Semester 5

Course Code	Course Title	Course Hours	Course	Pre	Major			
	Course Title	LEC	PRAC	CRD	Туре	requisite	GPA	
IT	CIS797	PhD Thesis III	0	36	12	MR	ITCIS796	YES

Year 3 - Semester 6

Course Code	Course Title		Course Hours Course Pre		Course Hours		Pre	Major
	Course Title	LEC	PRAC	CRD	Туре	requisite	GPA	
ITCIS798	PhD Thesis IV	0	36	12	MR	ITCIS797	YES	

Year 4 - Semester 7

Course Code	Course Title	Course Hours		Course	Pre	Major	
Course Code	Course Title	LEC	PRAC	CRD	Type	requisite	GPA
ITCIS799	PhD Thesis V	0	36	12	MR	ITCIS798	YES

Course Description

Course Code: ITCIS 714 Course Title: Advanced Topics in AI

This course explores cutting-edge research and developments in the field of AI. This course delves into advanced theories, methodologies, and applications of AI, providing a comprehensive understanding of the latest trends and challenges in the discipline.

Course Code: ITCIS 717 **Course Title:** Selected Advanced Topics in Computing and Information Sciences This course covers any advanced level course proposed by the instructor and gets approval from the department committee.

Course Code: ITCIS 791 Course Title: Research Methods

This course provides an in-depth exploration of advanced research methodologies and techniques. It includes qualitative and quantitative research designs, data collection and analysis methods, statistical techniques, experimental design, survey methods, case study approaches, mixed-methods research, data visualization, and ethical considerations in research.

Course Code: ITCIS 792 **Course Title:** Statistics Techniques

This course provides an advanced understanding of statistical methods and their applications in computational research. The course includes probability theory, hypothesis testing, regression analysis, multivariate analysis, Bayesian statistics, time series analysis, non-parametric methods, statistical computing, and data visualization techniques.

Course Code: ITCIS 793 **Course Title:** Graduate Seminar

This course provides a platform for PhD students to present and discuss their research work, engage with contemporary issues in their field, and receive constructive feedback from peers and faculty. The course includes research presentations, guest lectures from experts, critical analysis of current literature, collaborative discussions, and the development of a research proposal for the thesis.

Course Code: ITCIS 795 Course Title: PhD Thesis I

This course is a research-focused requirement where it focuses on independent, original research under faculty supervision. It involves identifying a research problem, reviewing literature, designing methodology, collecting and analyzing data, and presenting findings in a formal thesis.

Course Code: ITCIS 796 Course Title: PhD Thesis II

This course is a research-focused requirement where it focuses on independent, original research under faculty supervision. It involves identifying a research problem, reviewing literature, designing methodology, collecting and analyzing data, and presenting findings in a formal thesis.

Course Code: ITCIS 797 Course Title: PhD Thesis III

This course is a research-focused requirement where it focuses on independent, original research under faculty supervision. It involves identifying a research problem, reviewing literature, designing methodology, collecting and analyzing data, and presenting findings in a formal thesis.

Course Code: ITCIS 798 Course Title: PhD Thesis IV

This course is a research-focused requirement where it focuses on independent, original research under faculty supervision. It involves identifying a research problem, reviewing literature, designing methodology, collecting and analyzing data, and presenting findings in a formal thesis.

Course Code: ITCIS 799 **Course Title:** PhD Thesis V

This course is a research-focused requirement where it focuses on independent, original research under faculty supervision. It involves identifying a research problem, reviewing literature, designing methodology, collecting and analyzing data, and presenting findings in a formal thesis.