ICTS Course Structure (2018)

Semester	I.PhD (B.Sc)	I.PhD (B.Tech/ M. Tech/ BS)	Ph.D
Coursework	2.5 years	2 years	1.5 years
I (Aug-Nov)	Classical Mechanics (ICTS) (4)	Classical Mechanics (ICTS) (4)	Classical Mechanics (ICTS) (4)
	Statistical Mechanics 1 (ICTS) (4)	Statistical Mechanics 1 (ICTS) (4)	Advanced Quantum Mechanics (ICTS) (4)
	Quantum Mechanics I (IISc) (4)	Quantum Mechanics I (IISc) (4)	*2 Electives (8)
	*	*	
II (Jan-Apr)	Electromagnetism (ICTS) (4)	Electromagnetism (ICTS) (4)	Electromagnetism (ICTS) (4)
	Mathematical Methods in Physics (ICTS) (4)	Mathematical Methods in Physics (ICTS) (4)	Advanced Statistical Mechanics (ICTS) (4)
	Advanced Statistical Mechanics (ICTS) (4)	Advanced Statistical Mechanics (ICTS) (4)	Advanced Lab (ICTS) (12)
	Quantum Mechanics - II (IISc) (4)	Quantum Mechanics - II (IISc) (4)	
	Basic Lab (ICTS) (8)	Basic Lab (ICTS) (8)	*
Summer (May-July)	Project 1 (8)	Project 1 (8)	Project 1 (8)
III (Aug- Nov)	Advanced Lab (ICTS) (12)	Advanced Lab (ICTS) (12)	Project 2 (8)
	*	*	* Atleast 2 projects plus electives to make up the remaining credits
IV (Jan-Apr)	* Atleast 3 projects plus electives to make up the remaining credits	* Atleast 3 projects plus electives to make up the remaining credits	-
Summer (May-July)			
V (Aug-Nov)		-	
Total credits	**100**	**80**	**60**