Name of the course with course code	No.of	No.		Tota
	Hrs/	of	1	Hrs
	week	cred it	Total Credits	SEM
16P1PHYT01:Mathematical Methods in Physics- I	4	4		72
16P1PHYT02: Classical Mechanics	4	4	+	72
ASSESSING SECTION OF THE SECTION OF	4		_	7.
16P1PHY103: Electrodynamics	4	4	15	72
16P1PHYT04: Electronics	3	3		54
16P1PHYP01: General Physics Practical	10	**	_	180
16P2PHYT05: Mathematical Methods in Physics- II	4	4		72
16P2PHYT06: Quantum Mechanics - I	4	4	1	72
16P2PHYT07: Condensed Matter Physics	4	4	1	72
			23	
16P2PHYT08: Thermodynamics and Statistical Mechanics	3	3		54
16P2PHYP02: Electronics Practical General Physics Practical	10	4 4		180
16P3PHYT09: Quantum Mechanics - II	4	4	1	72
16P3PHYT10: Computational Physics	4	4	1	72
16P3PHYT11: Microelectronics and Semiconductor Devices.	4	4	15	72
16P3PHYT12: Integrated Electronics and Digital	_	2		_
	3	3	-	54
	10	***		180
16P4PHYT13: Atomic and Molecular Physics	4	4		72
16P4PHYT14: Nuclear and Particle Physics	4	4	1	72
16P4PHYT15: Optoelectronics			27	7'
16P4PHYT16: Instrumentation and Communication	3	3	1	54
Electronics 16P4PHYP04: Advanced Electronics Practical	10	4	-	180
Computational Physics Practical		4	_	Ni
16P4PHYCV: Comprehensive Viva Voce	Nil	2		Ni
redits			80	· .
	16P1PHYT02: Classical Mechanics 16P1PHYT03: Electrodynamics 16P1PHYT04: Electronics 16P1PHYT05: General Physics Practical 16P2PHYT05: Mathematical Methods in Physics - II 16P2PHYT06: Quantum Mechanics - I 16P2PHYT07: Condensed Matter Physics 16P2PHYT08: Thermodynamics and Statistical Mechanics 16P2PHYT09: Electronics Practical General Physics Practical 16P3PHYT09: Quantum Mechanics - II 16P3PHYT10: Computational Physics 16P3PHYT11: Microelectronics and Semiconductor Devices. 16P3PHYT12: Integrated Electronics and Digital Signal Processing 16P3PHYT13: Atomic and Molecular Physics 16P4PHYT13: Atomic and Particle Physics 16P4PHYT14: Nuclear and Particle Physics 16P4PHYT15: Optoelectronics 16P4PHYT16: Instrumentation and Communication Electronics 16P4PHYT16: Instrumentation and Communication Electronics 16P4PHYT16: Computational Physics Practical Computational Physics Practical 16P4PHYT16: Project/Dissertation 16P4PHYPT: Project/Dissertation	16P1PHYT01: Mathematical Methods in Physics - I 4 16P1PHYT02: Classical Mechanics	16P1PHYT01:Mathematical Methods in Physics- 4 4 16P1PHYT02: Classical Mechanics 4 4 16P1PHYT03: Electrodynamics 4 4 16P1PHYT03: Electronics 3 3 16P1PHYT04: Electronics 3 3 16P1PHYT05: Mathematical Methods in Physics- 1 4 4 16P2PHYT05: Mathematical Methods in Physics- 1 4 4 16P2PHYT06: Quantum Mechanics - 4 4 16P2PHYT07: Condensed Matter Physics 4 4 16P2PHYT07: Condensed Matter Physics 4 4 16P2PHYT08: Thermodynamics and Statistical 3 3 Mechanics 16P2PHYT09: Electronics Practical 10 4 4 16P3PHYT09: Quantum Mechanics - 1 4 4 16P3PHYT09: Quantum Mechanics - 1 4 4 16P3PHYT10: Computational Physics 4 4 16P3PHYT11: Microelectronics and Semiconductor 4 4 16P3PHYT12: Integrated Electronics and Digital Signal Processing 3 3 16P3PHYT03: Computational Physics Practical 10 16P3PHYT13: Atomic and Molecular Physics 4 4 16P4PHYT14: Nuclear and Particle Physics 4 4 16P4PHYT15: Optoelectronics 4 4 16P4PHYT16: Instrumentation and Communication 3 3 16P4PHYT16: Instrumentation and Communication 4 16P4PHYT175: Optoelectronics 4 16P4PHYT16: Instrumentation and Communication 5 16P4PHYT175: Optoelectronics 4 16P4PHYT175: Optoelect	Meek Cred it Credits Credits

^{**} Examination will be conducted at the end of the second semester.

 $[\]ensuremath{^{***}}$ Examination will be conducted at the end of the fourth semester

Extra Credits

Study visit to a research lab / industry	1
For undergoing a training with a minimum duration of 40	
hours in nonconventional energy sources/energy	2
management	Total extra credits = 3