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		Semester-I					
S No	Sub Code	Subject Name	L	T	P	Hrs.	Credits
1	BSMA-401	Engineering Mathematics I	3	1	0	4	4
2	BSPH-401	Applied Physics	3	1	0	4	4
3	ESEE-401	Elements of Electrical Engineering	2	1	0	3	3
4	ESCS-401	Elements of Computer Engineering	2	0	0	2	2
5	ESEC-401	Elements of Electronics Engineering	2	0	0	2	2
6	BSPH-402	Applied Physics Lab	0	0	2	2	1
7	ESEE-402	Elements of Electrical Engineering Lab	0	0	2	2	1
8	ESCS-402	Elements of Computer Engineering Lab	0	0	4	4	2
9	ESEC-402	Elements of Electronics Engineering Lab	0	0	2	2	1
		Total	12	3	10	25	20

		Semester-II A					
S No	Sub Code	Subject Name	L	T	P	Hrs.	Credits
1	BSMA-402	Engineering Mathematics II	3	1	0	4	4
2	BSCH-401	Applied Chemistry	3	1	0	4	4
3	ESME-401	Elements of Mechanical Engineering	2	1	0	3	3
4	ESME-402	Workshop Technology and Practice	1	0	0	1	1
5	HSMC-401	English Communication and Soft Skills	1	0	0	1	1
6	BSCH-402	Applied Chemistry Lab	0	0	2	2	1
7	ESME-403	Elements of Mechanical Engineering Lab	0	0	2	2	1
8	ESME-404	Engineering Drawing	0	0	4	4	2
9	ESME-405	Workshop Technology and Practice Lab	0	0	4	4	2
10	HSMC-402	English Communication and Soft Skills Lab	0	0	2	2	1
11	MCCH-401	Environmental Studies	3	0	0	3	0
		Total	13	3	14	30	20

		Semester-IIB					
1	TPIN-421	Practical Training During Summer Vacations (In-house) 02 weeks				40	1 (S/US)
2	TPIN-422	Technical Competency				40	1 (S/US)

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S No	Sub Code	Subject Name	L	T	P	Hrs.	Credits
		Semester-III					
1	BSMA-501	Numerical and Statistical Methods	3	0	0	3	3
2	PCCS-511	Digital Electronics	3	0	0	3	3
3	PCCS-512	Object Oriented Programming	2	1	0	3	3
4	PCCS-513	Data Structures	2	1	0	3	3
5	BSBL-501	Biology for Engineers	2	0	0	2	2
6	BSMA-502	Numerical and Statistical Methods Lab	0	0	2	2	1
7	PCCS-514	Digital Electronics Lab	0	0	2	2	1
8	PCCS-515	Object Oriented Programming Lab	0	0	4	4	2
9	PCCS-516	Data Structures Lab	0	0	4	4	2
		Total	**12**	**2**	**12**	**26**	**20**

S No	Sub Code	Subject Name	L	T	P	Hrs.	Credits
		Semester-IVA					
1	ESME-501	Engineering Mechanics	3	1	0	4	4
2	PCCS-521	Computer Organization and Architecture	3	0	0	3	3
3	PCCS-522	Operating System	3	0	0	3	3
4	PCCS-523	Database Management System	2	1	0	3	3
5	HSMC-501	Principles of Management	3	0	0	3	3
6	PCCS-524	Operating System Lab	0	0	4	4	2
7	PCCS-525	Database Management System Lab	0	0	4	4	2
8	MCMH-501	Indian Constitution	3	0	0	3	0
		Total	**17**	**2**	**8**	**27**	**20**

		Semester-IVB					
1	TPID-521	Industrial Training 02 weeks				40	1 (S/US)
2	EAA-521+	Fractional credit course/Extra Academic Activity + GROUP A/B/C				40	1 (S/US)

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		Semester-VA					
S No	Sub Code	Subject Name	L	T	P	Hrs.	Credits
1	PCCS-611	Discrete Mathematics	2	1	0	3	3
2	PCCS-612	Computer Networks	2	1	0	3	3
3	OECS-611	Open Elective-1	3	0	0	3	3
4	OECS-612	Open Elective-2	3	0	0	3	3
5	PECS-611	Professional Elective-1	3	0	0	3	3
6	HSMC-601	Technical Communication	2	0	0	2	2
7	MCUG-601	Universal Human Values-II: Understanding Harmony	3	0	0	3	3
8	PCCS-613	Computer Networks Lab	0	0	4	4	2
9	HSMC-602	Technical Communication Lab	0	0	2	2	1
		Total	18	2	6	26	23

		Semester-V B					
1	EAA-611+	Fractional credit course/Extra Academic Activity +GROUP A/B/C				40	1 (S/US)

		Semester-VI A					
S No	Sub Code	Subject Name	L	T	P	Hrs.	Credits
1	PCCS-621	Design and Analysis of Algorithm	2	1	0	3	3
2	PCCS-622	Automata Theory and Formal Languages	2	1	0	3	3
3	OECS-621	Open Elective-3	3	0	0	3	3
4	OECS-622	Open Elective-4	3	0	0	3	3
5	PECS-621	Professional Elective-2	3	0	0	3	3
6	HSMC-603	Engineering Economics and Entrepreneurship	3	0	0	3	3
7	PCCS-623	Design and Analysis of Algorithm Lab	0	0	4	4	2
		Total	16	2	4	22	20

		Semester-VI B					
1	TPID-621	Industrial Training 04 weeks				40	2 (S/US)
2	EAA-622+	Fractional credit course/Extra Academic Activity + GROUP A/B/C				40	1 (S/US)

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\multicolumn{8}{c}{Semester-VII}
S No	**Sub Code**	**Subject Name**	**L**	**T**	**P**	**Hrs.**	**Credits**
1	PCCS-711	Internet Programming	2	1	0	3	3
2	PCCS-712	Compiler Design	3	1	0	4	4
3	PECS-711	Professional Elective-3	3	0	0	3	3
4	PECS-712	Professional Elective-4	3	0	0	3	3
5	OECS-711	Open Elective-5	3	0	0	3	3
6	PCCS-713	Internet Programming Lab	0	0	4	4	2
7	PRCS-711	Project Stage I and Seminar	0	0	4	4	2
		Total	**14**	**2**	**8**	**24**	**20**

Semester-VIII							
S No	**Sub Code**	**Subject Name**	**L**	**T**	**P**	**Hrs.**	**Credits**
1	PECS-721	Professional Elective-5	3	0	0	3	3
2	PECS-722	Professional Elective-6	3	0	0	3	3
3	PRCS-721	Project Stage II	0	0	12	12	6
		Total	**6**	**0**	**12**	**18**	**12**
**OR**							
S No	**Sub Code**	**Subject Name**	**L**	**T**	**P**	**Hrs.**	**Credits**
1	INID-721	Internship in Industry					6
2	PRCS-721	Project Stage II	0	0	12	12	6
		Total	**0**	**0**	**12**	**12**	**12**

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S. No	Sub. Code	Subject Name	L	T	P	Hrs.	Credits
LIST OF OPEN ELECTIVES							
1		**Open Elective-I**	3	0	0	3	3
	OECS-611A	Software Engineering	3	0	0	3	3
	OECS-611B	Enterprise Resource Planning	3	0	0	3	3
	OECS-611C	Cyber Laws and Ethics	3	0	0	3	3
	OECS-611D	Programming Methodology	3	0	0	3	3
	OECS-611E	Data Preparation and Analysis	3	0	0	3	3
2		**Open Elective-II**	3	0	0	3	3
	OECS-612A	Software Project Management	3	0	0	3	3
	OECS-612B	Decision Support System	3	0	0	3	3
	OECS-612C	Computer Networks	3	0	0	3	3
	OECS-612D	Object Oriented Programming	3	0	0	3	3
	OECS-612E	Database Management System	3	0	0	3	3
3		**Open Elective-III**	3	0	0	3	3
	OECS-621A	Requirement Engineering	3	0	0	3	3
	OECS-621B	Management Information System	3	0	0	3	3
	OECS-621C	System Installation and Troubleshooting	3	0	0	3	3
	OECS-621D	Internet Programming	3	0	0	3	3
	OECS-621E	Database Integrity and Security	3	0	0	3	3
4		**Open Elective-IV**	3	0	0	3	3
	OECS-622A	Object Oriented Analysis and Design	3	0	0	3	3
	OECS-622B	E-Commerce	3	0	0	3	3
	OECS-622C	Computer Network Security	3	0	0	3	3
	OECS-622D	Computer Graphics	3	0	0	3	3
	OECS-622E	Data Analytics	3	0	0	3	3

5		**Open Elective-V**	3	0	0	3	3
	OECS-711A	Software Reliability and Testing	3	0	0	3	3
	OECS-711B	Human Resource Management	3	0	0	3	3
	OECS-711C	Client Server Architecture	3	0	0	3	3
	OECS-711D	Multimedia and Animation	3	0	0	3	3
	OECS-711E	Data Mining	3	0	0	3	3

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Sr.No	Sub. Code	Subject Name	L	T	P	Hrs.	Credits
		LIST OF PROFESSIONAL ELECTIVES					
1		**Professional Elective-I**					
	PECS-611A	Computer Graphics	3	0	0	3	3
	PECS-611B	Data Mining	3	0	0	3	3
	PECS-611C	Cyber Security	3	0	0	3	3
	PECS-611D	Software Engineering	3	0	0	3	3
	PECS-611E	Enterprise Resource Planning	3	0	0	3	3
	PECS-611F	Network Operating System	3	0	0	3	3
2		**Professional Elective-II**					
	PECS-621A	Multimedia and Animation	3	0	0	3	3
	PECS-621B	Artificial Intelligence	3	0	0	3	3
	PECS-621C	Mobile Communication	3	0	0	3	3
	PECS-621D	Software Project Management	3	0	0	3	3
	PECS-621E	Decision Support System	3	0	0	3	3
	PECS-621F	Advanced Computer Architecture	3	0	0	3	3
3		**Professional Elective-III**					
	PECS-711A	Image Processing	3	0	0	3	3
	PECS-711B	Soft Computing	3	0	0	3	3
	PECS-711C	Cyber Forensics	3	0	0	3	3
	PECS-711D	Requirement Engineering	3	0	0	3	3
	PECS-711E	Management Information System	3	0	0	3	3
	PECS-711F	Distributed System	3	0	0	3	3
4		**Professional Elective-IV**					
	PECS-712A	Simulation and Modeling	3	0	0	3	3
	PECS-712B	Machine Learning	3	0	0	3	3
	PECS-712C	Adhoc and Wireless Sensor Networks	3	0	0	3	3

	PECS-712D	Object Oriented Analysis and Design	3	0	0	3	3
	PECS-712E	E-Commerce	3	0	0	3	3
	PECS-712F	Parallel Computing	3	0	0	3	3
5		**Professional Elective-V**					
	PECS-721A	Digital Signal Processing	3	0	0	3	3
	PECS-721B	Neural Networks and Deep Learning	3	0	0	3	3
	PECS-721C	Cyber Threat Intelligence	3	0	0	3	3
	PECS-721D	Software Reliability and Testing	3	0	0	3	3
	PECS-721E	Business Management System	3	0	0	3	3
	PECS-721F	Cloud Computing	3	0	0	3	3
6		**Professional Elective-VI**					
	PECS-722A	Parallel Algorithms	3	0	0	3	3
	PECS-722B	Computer Vision	3	0	0	3	3
	PECS-722C	High Speed Communication Networks	3	0	0	3	3
	PECS-722D	Software Quality Assurance	3	0	0	3	3
	PECS-722E	Human Resource Management	3	0	0	3	3
	PECS-722F	Embedded Systems	3	0	0	3	3

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S No	Sub Code	Subject Name	L	T	P	Hrs.	Credits
Semester-V							
1	HDCS-611	Data Analytics	3	1	0	4	4
2	HDCS-612	Internet of Things	3	1	0	4	4
		Total	**6**	**2**	**0**	**8**	**8**

S No	Sub Code	Subject Name	L	T	P	Hrs.	Credits
Semester-VI							
1	HDCS-621	Optimization Techniques	3	1	0	4	4
		Total	**3**	**1**	**0**	**4**	**4**

S No	Sub Code	Subject Name	L	T	P	Hrs.	Credits
Semester-VII							
1	HDCS-711	Cryptography and Network Security	3	1	0	4	4
		Total	**3**	**1**	**0**	**4**	**4**

S No	Sub Code	Subject Name	L	T	P	Hrs.	Credits
Semester-VIII							
1	PHCS-721	Project Hon's	0	0	08	08	4
		Total	**0**	**0**	**08**	**08**	**4**