



PSN College of Engineering and Technology

(An Autonomous Institution)

Melathediyoor, Tirunelveli – 627 152

Department of Computer Science and Engineering

UG - Curriculum – 3rd to 8th Semester

Regulation – 2014- (B.E. – CSE)

(Applicable to the students admitted to first year B.E. from the academic year 2014-2015 onwards)

III – Semester

Sl. No	Subject Code	Subject Name	L	T	P	C
Theory						
1	201001	Applied Mathematics – II	4	0	0	4
2	203001	Computer Organization and Architecture	3	0	0	3
3	203002	OOPs and Data Structures	3	0	0	3
4	203003	Database Management Systems	3	0	0	3
5	203004	Operating Systems	3	0	0	3
6	203005	Digital Principles and System Design	3	0	0	3
Practical						
7	203101	OOPs & Data Structures Lab	0	0	3	2
8	203102	Data Base Management Systems Lab	0	0	3	2
Total			19	0	8	23
Mandatory Course						
9	201801	Environmental Studies – For Lateral Entry and Students admitted in the academic year 2015-16 onwards	2	0	0	2

IV – Semester

Sl. No	Subject Code	Subject Name	L	T	P	C
1		Applied Mathematics – III	4	0	0	4
2		Computer Networks	3	0	0	3
3		Design and Analysis of Algorithms (Practical Component Paper)	3	0	2	4
4		Software Engineering	3	0	0	3
5		Electrical Engineering and Control System	3	0	0	3
6		Microcontroller and Embedded Systems	3	0	0	3
Practical						
7		Computer Networks Lab	0	0	3	2
8		Microcontroller and Embedded Systems Lab	0	0	3	2
Total			19	0	8	24

V – Semester

Sl. No	Subject Code	Subject Name	L	T	P	C
Theory						
1		Probability and Statistics	4	0	0	4
2		Data Warehousing and Data Mining(Practical Component Paper)	3	0	2	4
3		Cryptography & Information Security	3	0	0	3
4		System Software	3	0	0	3
5	OE*	Open Elective – I	4	0	0	4
6		Digital Signal Processing	3	1	0	4
Practical						
7		Network Security Lab	0	0	3	2
8		Digital and Signal Processing Lab	0	0	3	2
Total			20	1	8	26
Mandatory Course						
Value Education, Human Rights and Legislative Procedure			2	0	0	2

VI – Semester

Sl. No	Subject Code	Subject Name	L	T	P	C
Theory						
1		Discrete Mathematics	4	0	0	4
2		Cloud Computing	3	1	0	4
3		Compiler Design(Practical Component Paper)	3	0	2	4
4		Object Oriented Analysis and Design	3	0	0	3
5		Internet Programming	3	0	0	3
6	OE*	Open Elective – II	4	0	0	4
Practical						
7		Internet Programming Lab	0	0	3	2
8		Object Oriented Analysis & Design Lab	0	0	3	2
Total			20	1	8	26

VII – Semester

Sl. No	Subject Code	Subject Name	L	T	P	C
Theory						
1		Engineering Economics & Financial Accounting	3	0	0	3
2		Computer Graphics (Practical Component)	3	0	2	4
3		Mobile Computing	3	0	0	3
4		C# and .NET Programming	3	0	0	3
5	CS*	Elective I	3	0	0	3
6	CS*	Elective II	3	0	0	3
Practical						
7		Mobile Computing Lab	0	0	3	2
8		C# and .NET Programming Lab	0	0	3	2
Total			19	0	8	23
Mandatory Course						
Technical Communication and Soft Skills			2	0	0	2

VIII – Semester

Sl. No	Subject Code	Subject Name	L	T	P	C
Theory						
1	CS*	Elective III	3	0	0	3
2	CS*	Elective IV	3	0	0	3
3	CS*	Elective V	3	0	0	3
Practical						
4		Project Work	0	0	18	6
Total			9	0	18	15

Total Credits: 137

List of Electives

Semester – VII – (CS Electives 1)

Sl. No	Subject Code	Subject Name	L	T	P	C
1		Soft Computing Techniques	3	0	0	3
2		Big Data	3	0	0	3
3		Multimedia Networks	3	0	0	3
4		Graph Theory	3	0	0	3
5		Wireless Networks	3	0	0	3

Semester – VII – (CS Electives 2)

Sl. No	Subject Code	Subject Name	L	T	P	C
1		Advanced Computer Architecture	3	0	0	3
2		Software Testing	3	0	0	3
3		User Interface Design	3	0	0	3
4		UNIX Internals	3	0	0	3
5		Digital Image Processing	3	0	0	3

Semester – VIII – (CS Electives 3)

Sl. No	Subject Code	Subject Name	L	T	P	C
1		Advanced Operating Systems	3	0	0	3
2		Software Project Management	3	0	0	3
3		High Speed Networks	3	0	0	3
4		Real Time Systems	3	0	0	3
5		Semantic Web	3	0	0	3

Semester – VIII – (CS Electives 4)

Sl. No	Subject Code	Subject Name	L	T	P	C
1		Enterprise and Resource Planning	3	0	0	3
2		Advanced Database Technology	3	0	0	3
3		Parallel Computing	3	0	0	3
4		Theory of Computation	3	0	0	3
5		Human Computer Interface	3	0	0	3

Semester – VIII (CS Electives 5)

Sl. No	Subject Code	Subject Name	L	T	P	C
1		Bio Informatics	3	0	0	3
2		Distributed Systems	3	0	0	3
3		Security in Computing	3	0	0	3
4		Software Quality Assurance	3	0	0	3
5		Information Retrieval Techniques	3	0	0	3

Open Electives (OE)

Sl. No	Subject Code	Subject Name	L	T	P	C
1		Software Quality Management	4	0	0	4
2		Cloud Computing	4	0	0	4
3		Pattern Recognition	4	0	0	4
4		Pervasive Computing	4	0	0	4
5		Wireless Networks	4	0	0	4
6		Embedded Systems	4	0	0	4
7		Data Structures	4	0	0	4
8		Object Oriented Programming	4	0	0	4
9		Java Programming	4	0	0	4
10		Operating Systems	4	0	0	4

