



# PSN College of Engineering and Technology

Melathediyoor, Tirunelveli – 627 152

(Autonomous Institution)

## Department of Computer Science and Engineering

UG - Curriculum – 3<sup>rd</sup> to 8<sup>th</sup> Semester

Regulation – 2013- (B.E. – CSE)

(Applicable to the students admitted to first year B.E. from the academic year 2013-2014 onwards)

### III – Semester

Sl. No	Subject Code	Subject Name	L	T	P	C	Total Periods
<b>Theory</b>							
1	101001	Transformation Techniques	4	0	0	4	60
2	103001	Computer Organization and Architecture	3	0	0	3	45
3	103002	Data Structures	4	0	0	4	60
4	103003	Object Oriented Programming	3	1	0	3	60
5	103004	Operating Systems	3	0	0	3	45
6	103005	Digital Principles and Systems Design	3	0	0	3	45
<b>Practical</b>							
7	103101	Data Structures Lab	0	0	3	2	45
8	103102	Object Oriented Programming Lab	0	0	3	2	45
9	103103	Digital Lab	0	0	3	2	45
<b>Total</b>			<b>20</b>	<b>1</b>	<b>9</b>	<b>26</b>	<b>450</b>

### IV – Semester

Sl. No	Subject Code	Subject Name	L	T	P	C	Total Periods
<b>Theory</b>							
1	103006	Probability and Queuing Theory	4	0	0	4	60
2	103007	Database Management Systems	3	0	0	3	45
3	103008	Design and Analysis of Algorithms	4	0	0	4	60
4	103009	Java Programming	3	1	0	3	60
5	103010	Software Engineering	3	0	0	3	45
6	103011	Microprocessors and Microcontrollers	3	0	0	3	45
<b>Practical</b>							
7	103104	Data Base Management Systems Lab	0	0	3	2	45
8	103105	Java Programming Lab	0	0	3	2	45
9	103106	Microprocessor Lab	0	0	3	2	45
<b>Total</b>			<b>20</b>	<b>1</b>	<b>9</b>	<b>26</b>	<b>450</b>

**V – Semester**

Sl. No	Subject Code	Subject Name	L	T	P	C	Total Periods
<b>Theory</b>							
1	103012	Discrete Mathematics	4	0	0	4	60
2	103013	Computer Networks	4	0	0	4	60
3	103014	Interactive Programming	3	0	0	3	45
4	103015	Internet Programming	3	1	0	3	60
5	103016	System Software	3	0	0	3	45
6	103017	Digital Signal Processing	3	0	0	3	45
<b>Practical</b>							
7	103107	Interactive Programming Lab	0	0	3	2	45
8	103108	Network Lab	0	0	3	2	45
9	102108	Communication and Skills Lab	0	0	3	2	45
<b>Total</b>			<b>20</b>	<b>1</b>	<b>9</b>	<b>26</b>	<b>450</b>

**VI – Semester**

Sl. No	Subject Code	Subject Name	L	T	P	C	Total Periods
<b>Theory</b>							
1	103018	Numerical Methods	4	0	0	4	60
2	103019	Compiler Design	4	1	0	4	75
3	103020	Object Oriented Analysis and Design	3	0	0	3	45
4	103021	Web Technology	3	0	0	3	45
5	#	Elective – I	3	0	0	3	45
6	#	Elective – II	3	0	0	3	45
<b>Practical</b>							
7	103109	Web Technology Lab	0	0	3	2	45
8	103110	Compiler Lab	0	0	3	2	45
9	103111	Object Oriented Analysis & Design Lab	0	0	3	2	45
<b>Total</b>			<b>20</b>	<b>1</b>	<b>9</b>	<b>26</b>	<b>450</b>

### VII – Semester

Sl. No	Subject Code	Subject Name	L	T	P	C	Total Periods
<b>Theory</b>							
1		Engineering Economics & Financial Accounting	3	1	0	3	60
2		Artificial Intelligence	4	1	0	4	75
3		Computer Graphics	4	1	0	4	75
4		C# and .NET Programming	3	1	0	3	60
5		Elective III	3	0	0	3	45
6		Elective IV	3	0	0	3	45
<b>Practical</b>							
7		C# and .NET Programming Lab	0	0	3	2	45
8		Graphics Lab	0	0	3	2	45
<b>Total</b>			<b>20</b>	<b>4</b>	<b>6</b>	<b>24</b>	<b>450</b>

### VIII – Semester

Sl. No	Subject Code	Subject Name	L	T	P	C	Total Periods
<b>Theory</b>							
1		Elective V	3	0	0	3	45
2		Elective VI	3	0	0	3	45
<b>Practical</b>							
3		Project Work	0	0	24	6	360
<b>Total</b>			<b>6</b>	<b>0</b>	<b>24</b>	<b>12</b>	<b>450</b>

## List of Electives

### Semester – VI – Elective – I & II

Sl. No	Subject Code	Subject Name	L	T	P	C	Total Periods
1	103201	Advanced Computer Architecture	3	0	0	3	45
2	103202	Advanced Database Technology	3	0	0	3	45
3	103203	Agent Based Intelligent Systems	3	0	0	3	45
4	103204	ATM Networks	3	0	0	3	45
5	103205	Cryptography and Network Security	3	0	0	3	45
6	103206	Parallel Computing	3	0	0	3	45
7	103207	Programming Paradigm	3	0	0	3	45
8	103208	Software Project Management	3	0	0	3	45
9	103209	TCP/IP	3	0	0	3	45
10	103210	Theory of Computation	3	0	0	3	45
11	103211	UNIX Internals	3	0	0	3	45

### Semester – VII – Elective – III & IV

Sl. No	Subject Code	Subject Name	L	T	P	C	Total Periods
1		Advanced Operating Systems	3	0	0	3	45
2		Data Warehousing and Data Mining	3	0	0	3	45
3		Digital Image Processing	3	0	0	3	45
4		Embedded Systems	3	0	0	3	45
5		High Speed Networks	3	0	0	3	45
6		Mobile Computing	3	0	0	3	45
7		Multimedia Systems	3	0	0	3	45
8		Real Time Systems	3	0	0	3	45
9		Semantic Web	3	0	0	3	45
10		Software Testing	3	0	0	3	45
11		Total Quality Management	3	0	0	3	45
12		User Interface Design	3	0	0	3	45
13		Visual C++	3	0	0	3	45
14		Wireless Networks	3	0	0	3	45

**Semester – VIII – Elective – V & VI**

<b>Sl. No</b>	<b>Subject Code</b>	<b>Subject Name</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>	<b>Total Periods</b>
1		ASP.NET	3	0	0	3	45
2		Bio Informatics	3	0	0	3	45
3		Cloud Computing	3	0	0	3	45
4		Component Based Technology	3	0	0	3	45
5		Distributed Systems	3	0	0	3	45
6		Information Security	3	0	0	3	45
7		J2ME	3	0	0	3	45
8		Natural Language Processing	3	0	0	3	45
9		Network Simulator	3	0	0	3	45
10		Pervasive Computing	3	0	0	3	45
11		PHP Programming	3	0	0	3	45
12		Professional Ethics in Engineering	3	0	0	3	45
13		Soft Computing	3	0	0	3	45
14		Software Quality Assurance	3	0	0	3	45
15		Software Quality Management	3	0	0	3	45
16		Text Mining	3	0	0	3	45
17		Windows Internals	3	0	0	3	45
18		Wireless Application Protocol	3	0	0	3	45