



PSN College of Engineering and Technology

(An Autonomous Institution Affiliated to Anna University, Chennai)
Melathediyoor, Tirunelveli - 627 152

Department of Information Technology

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UG - Curriculum – 3rd to 8th Semester

Regulation – 2014- (B.Tech. – IT)

(Applicable to the students admitted to first year B.Tech. from the academic year 2014 - 15 onwards)

III – Semester

S.No.	Subject Code	Subject Name	L	T	P	C
Theory						
1	210001	Applied Mathematics - II	4	0	0	4
2	207001	Computer Organization and Design	3	0	0	3
3	207002	Signals and Systems	3	1	0	4
4	207003	Data Structures and Algorithms	3	0	0	3
5	207004	Digital Systems	3	0	0	3
6	207005	Object Oriented Concepts using Java	3	0	0	3
Practical						
7	207101	Data Structures and Algorithms Lab	0	0	3	2
8	207102	Object Oriented Programming Lab	0	0	3	2
Total			19	1	6	24
Mandatory Course						
Environmental Studies (Subject code: 201801) - For Lateral Entry and students admitted to first year from the academic year 2015 - 16 onwards			2	0	0	2

IV – Semester

S.No.	Subject Code	Subject Name	L	T	P	C
1		Applied Mathematics – III	4	0	0	4
2		Database Management System	3	0	0	3
3		Operating System	3	0	0	3
4		Software Engineering	3	0	0	3
5		Microcontroller and Embedded Systems	3	0	0	3
6		Principles of Communication	3	0	0	3
Practical						
7		Operating System and Database Management System Lab	0	0	3	2
8		Microcontroller and Embedded Systems Lab	0	0	3	2
Total			19	0	6	23

V – Semester

S.No.	Subject Code	Subject Name	L	T	P	C
Theory						
1		Probability and Statistics	4	0	0	4
2		Computer Networks	3	0	0	3
3		Information Theory and Coding Techniques	3	0	0	3
4		System Software	3	0	0	3
5		Digital Signal Processing	3	1	0	4
6	OE*	Open Elective - I	4	0	0	4
Practical						
7		Computer Networks Lab	0	0	3	2
8		Digital Signal Processing Lab	0	0	3	2
Total			20	1	6	25
Mandatory Course						
Value Education, Human Rights and Legislative Procedure			2	0	0	2

VI – Semester

S. No.	Subject Code	Subject Name	L	T	P	C
Theory						
1		Discrete Mathematics	4	0	0	4
2		Internet Programming	3	0	0	3
3		Object Oriented Analysis and Design	3	0	0	3
4		Service Oriented Architecture (Practical Component)	3	0	2	4
5	OE*	Open Elective - II	4	0	0	4
6		Elective – I	3	0	0	3
Practical						
7		Internet Programming Lab	0	0	3	2
8		Object Oriented Analysis and Design Lab	0	0	3	2
Total			20	0	8	25

VII – Semester

S.No.	Subject Code	Subject Name	L	T	P	C
Theory						
1		Cloud Technologies	3	1	0	4
2		Graphics and Multimedia (Practical Component)	3	0	2	4
3		Cryptography and Information Security	3	0	0	3
4		Mobile Computing	3	0	0	3
5		C# and .NET Programming	3	0	0	3
6		Elective - II	3	0	0	3
Practical						
7		C# and .NET Programming Lab	0	0	3	2
8		Mobile Computing Lab	0	0	3	2
Total			18	1	8	24
Mandatory Course						
Technical Communication and Soft Skills			2	0	0	2

VIII – Semester

S. No.	Subject Code	Subject Name	L	T	P	C
Theory						
1		Elective – III	3	0	0	3
2		Elective - IV	3	0	0	3
3		Elective - V	3	0	0	3
Practical						
3		Project Work	0	0	18	6
Total			9	0	18	15

Total Credits: 24 + 23 + 25 + 25 + 24 + 15 = **136 credits**

List of Electives

Semester – VI – (EC Electives - I)

S.No.	Subject Code	Subject Name	L	T	P	C
1		Biomedical Electronics	3	0	0	3
2		Fiber Optic Communication	3	0	0	3
3		Satellite Communication	3	0	0	3
4		Telecommunication System	3	0	0	3
5		VLSI Design	3	0	0	3

Semester – VII – (IT Electives - II)

S.No.	Subject Code	Subject Name	L	T	P	C
1		Software Testing	3	0	0	3
2		User Interface Design	3	0	0	3
3		Theory of Computation	3	0	0	3
4		Distributed Systems	3	0	0	3
5		Artificial Intelligence	3	0	0	3

Semester – VIII – (IT Electives - III)

S. No.	Subject Code	Subject Name	L	T	P	C
1		Big Data Management	3	0	0	3
2		Compiler Design	3	0	0	3
3		Data Warehousing and Data Mining	3	0	0	3
4		TCP/IP Design and Implementation	3	0	0	3
5		Information Retrieval Techniques	3	0	0	3

Semester – VIII – (IT Electives - IV)

S.No.	Subject Code	Subject Name	L	T	P	C
1		Enterprise Resource Planning	3	0	0	3
2		Computational Intelligence	3	0	0	3
3		Digital Image Processing	3	0	0	3
4		Robotics	3	0	0	3
5		Software Project Management	3	0	0	3

Semester – VIII - (IT Electives - V)

S. No.	Subject Code	Subject Name	L	T	P	C
1		Ad hoc and Wireless Sensor Networks	3	0	0	3
2		Human Computer Interface	3	0	0	3
3		Free and Open Source Software	3	0	0	3
4		Semantic Web	3	0	0	3
5		Social Network Analysis	3	0	0	3

Open Electives (OE) (Except CSE, IT, M.Sc. and MCA Department Students)

S. No.	Subject Code	Subject Name	L	T	P	C
1		Knowledge Management	4	0	0	4

2		Movie Making with Computers	4	0	0	4
3		Web Technologies	4	0	0	4