



PSN College of Engineering and Technology

(An Autonomous Institution)

Melathediyoar, Tirunelveli – 627 152

M.Tech - Information Technology (Full Time)

CURRICULAM - REGULATION – 2012

Semester - I

Sl. No	Subject Code	Subject Name	L	T	P	C
Theory						
1	026001	Applied Mathematics for IT Engineers	3	1	0	3
2	026002	Advance Computer Algorithms	3	0	0	3
3	026003	Information Theory and Coding	3	0	0	3
4	026004	Advanced Database Systems	3	0	0	3
5	026005	Advanced Computer Networks	3	0	0	3
6	026006	Embedded System Design	3	0	0	3
Practical						
7	026101	Computer Algorithms Laboratory	0	0	3	2
8	026102	Networks Lab	0	0	3	2
Total			18	1	6	22

Semester – II

Sl. No	Subject Code	Subject Name	L	T	P	C
1	026007	Advanced Computer Architecture and Parallel Processing	3	0	0	3
2	026008	Information System Design	4	0	0	4
3	026009	Information Security and Cryptography	3	0	0	3
4	026010	Distributed Computing	3	0	0	3
5	#	Elective – I	3	0	0	3
6	#	Elective – II	3	0	0	3
Practical						
7	026103	Distributed Computing Lab	0	0	3	2
8	026104	Cryptography Laboratory	0	0	3	2
Total			19	0	6	23

Semester – III

Sl. No	Subject Code	Subject Name	L	T	P	C
Theory						
1	026011	Research Methodology	3	0	0	3
2	#	Elective – III	3	0	0	3
3	#	Elective – IV	3	0	0	3
Practical						
4	026301	Project Work – Phase I	0	0	15	6
Total			9	0	15	15

Semester – IV

Sl. No	Subject Code	Subject Name	L	T	P	C
Practical						
1	026301	Project Work – Phase II	0	0	24	12
Total			0	0	24	12

Total Credits = 22+23+15+12 = 72

List of Electives

Semester – II

Sl. No	Subject Code	Subject Name	L	T	P	C
GROUP A						
1	026201	Bio Informatics	3	0	0	3
2	026202	Data Warehousing and Data Mining	3	0	0	3
3	026203	Soft Computing Techniques	3	0	0	3
4	026204	High Speed Networks	3	0	0	3
5	026205	Digital Image and Video Processing	3	0	0	3
6	024220	Robotics	3	0	0	3
7	026206	Advanced topics in Web Design	3	0	0	3

8	026207	Advanced Computer Graphics using Open GL	3	0	0	3
9	026208	Sensor Networks	3	0	0	3
GROUP B						
1	026209	Software Quality Assurance	3	0	0	3
2	026210	Advanced Software Engineering	3	0	0	3
3	025007	Real Time Operating Systems	3	0	0	3
4	026211	Advanced Component Based Technology	3	0	0	3
5	025003	Advanced Microprocessor and Microcontroller	3	0	0	3
6	020002	Advanced Digital System Design	3	1	0	3
7	023002	Statistical Signal Processing	3	0	0	3
8	023005	Optical Communication Network	3	0	0	3
9	026212	System Modeling and Simulation	3	0	0	3

List of Electives

Semester – III

Sl. No	Subject Code	Subject Name	L	T	P	C
GROUP A						
1	025208	Adhoc Networks	3	0	0	3
2	024219	Pattern recognition	3	0	0	3
3	026213	Multimedia and Virtual Reality	3	0	0	3
4	026214	Biometric Recognition	3	0	0	3
5	023008	Multimedia Compression Techniques	3	0	0	3
6	026215	Computer Forensics and Crime Investigations	3	0	0	3
7	026216	Optimization Techniques	3	0	0	3
8	026217	Cloud Computing	3	0	0	3
GROUP B						
1	026218	Natural Language Processing	3	0	0	3
2	026219	Enterprise Resource Planning	3	0	0	3
3	025008	Embedded Networking	3	0	0	3
4	021210	Avionics Network Technology	3	0	0	3
5	026220	Global Positioning System	3	0	0	3

6	026221	IT Measurement and Audit	3	0	0	3
7	026222	Geographical Information System	3	0	0	3
8	026223	Software Project Management	3	0	0	3
9	026224	Wireless Mobile Communication	3	0	0	3