



PSN College of Engineering and Technology

(An Autonomous Institution Affiliated to Anna University, Chennai)

Melathediyoor, Tirunelveli - 627 152

Department of Computer Science and Engineering

PG - Curriculum & Syllabus

M.E. (CSE)

CURRICULUM (SEMESTER I TO SEMESTER IV)

SYLLABUS (SEMESTER I & II)

(R-2018)

(Applicable to the students admitted to first year M.E. from the

Academic year 2018-2019 onwards)



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ME (CSE) Curriculum (R-2018)

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I – Semester

Sl. No	Subject Code	Subject Name	L	T	P	C	Total Periods
Theory							
1.	524001	Applied Mathematics for Computer Engineers	3	1	0	4	60
2.	524002	Advanced Computer Architecture	3	0	0	3	45
3.	524003	Advanced Data Structures and Algorithms	3	0	0	3	45
4.	524004	Advanced Networks Engineering and Management	3	0	0	3	45
5.	524005	Advanced Operating Systems	3	0	0	3	45
6.	524006	Advanced Software Engineering	3	0	0	3	45
Practical							
7.	524101	Advanced Data Structures and Algorithms Lab	0	0	3	2	45
8.	524102	Advanced Networks Lab	0	0	3	2	45
Total			18	1	6	23	375

II – Semester

Sl. No	Subject Code	Subject Name	L	T	P	C	Total Periods
Theory							
1.	524007	Advanced Network Security	3	0	0	3	45
2.	524008	Advanced Digital Image Processing	3	0	0	3	45
3.	524009	Advanced Databases	3	0	0	3	45
4.	524010	Current Trends in Web Technology	3	0	0	3	45
5.		Elective-I	3	0	0	3	45
6.		Elective-II	3	0	0	3	45
Practical							
7.	524103	Image Processing Lab (Using MAT LAB)	0	0	3	2	45
8.	524104	Web Technology Lab	0	0	3	2	45
Total			19	0	6	22	360

III – Semester

Sl. No	Subject Code	Subject Name	L	T	P	C	Total Periods
Theory							
1.		Elective-III	3	0	0	3	45
2.		Elective-IV	3	0	0	3	45
3.		Elective-V	3	0	0	3	45
Practical							
4.	524301	Project Work – Phase I	0	0	15	6	225
Total			9	0	15	15	360

IV – Semester

Sl. No	Subject Code	Subject Name	L	T	P	C	Total Periods
Practical							
1.	524302	Project Work – Phase II	0	0	24	12	360
Total			0	0	24	12	360

Total Credits: 72

List of Electives

Elective – I

Sl. No	Subject Code	Subject Name	L	T	P	C	Total Periods
1.	524201	Fuzzy Logic and its Applications	3	0	0	3	45
2.	524202	Information Storage Management	3	0	0	3	45
3.	524203	Service Oriented Architecture	3	0	0	3	45
4.	524204	Software Reliability and Metrics	3	0	0	3	45
5.	524205	XML and Web Services	3	0	0	3	45

Elective – II

Sl. No	Subject Code	Subject Name	L	T	P	C	Total Periods
1.	524206	Agent Based Systems	3	0	0	3	45
2.	524207	Cloud Computing	3	0	0	3	45
3.	524208	Data Mining Techniques	3	0	0	3	45
4.	524209	E-Commerce	3	0	0	3	45
5.	524210	Mobile and Pervasive Computing	3	0	0	3	45

Elective – III

Sl. No	Subject Code	Subject Name	L	T	P	C	Total Periods
1.	524211	Formal Model and Software Systems	3	0	0	3	45
2.	524212	Mobile Application Development	3	0	0	3	45
3.	524213	Parallel Computing	3	0	0	3	45
4.	524214	Research Methodologies	3	0	0	3	45
5.	524215	Soft Computing Techniques	3	0	0	3	45

Elective – IV

Sl. No	Subject Code	Subject Name	L	T	P	C	Total Periods
1.	524216	Bio-informatics	3	0	0	3	45
2.	524217	Real Time System	3	0	0	3	45
3.	524218	Robotics	3	0	0	3	45
4.	524219	Software Project Management	3	0	0	3	45
5.	524220	Web Mining	3	0	0	3	45
6.	524221	Wireless Sensor Networks	3	0	0	3	45

Elective – V

Sl. No	Subject Code	Subject Name	L	T	P	C	Total Periods
1.	524222	Ad-hoc Networks	3	0	0	3	45
2.	524223	Computer Vision	3	0	0	3	45
3.	524224	Grid Computing	3	0	0	3	45
4.	524225	Multimedia and Compression Techniques	3	0	0	3	45
5.	524226	Remote Sensing	3	0	0	3	45
6.	524227	Software Quality Assurance	3	0	0	3	45
7.	524228	Internet of Things	3	0	0	3	45
8.	524229	Big Data Analytics	3	0	0	3	45