



E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai
(Accredited by NAAC with 'A' Grade and NBA)

principal@egspec.org, website: www.egspec.org Ph: 04365-251112

M.E. Computer Science and Engineering | E.G.S. Pillay Engineering College | Regulations 2017 Approved
in I Academic Council Meeting held on 16-07-2017

SEMESTER I

SL. No	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1	1701CP101	Applied Probability and Statistics	3	2	0	4
2	1702CP102	Advanced Data Structures and Algorithms	4	0	0	4
3	1702CP103	Advanced Computer Architecture	3	0	0	3
4	1702CP104	Advanced Operating System	3	0	0	3
5	1702CP105	Design and Management of Computer Networks	3	0	2	4
6		Elective I	3	0	0	3
PRACTICAL						
7	1704CP106	Advanced Data Structures Laboratory	0	0	4	2
8	1704CP107	Case Study – Operating Systems Design	0	0	2	1
9	1704CP108	Communication Skill Lab-I	0	0	2	1
TOTAL			19	2	10	25

SEMESTER II

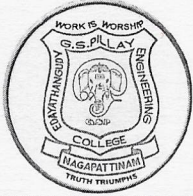
SL. No	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1	1701CP201	Software Process and Project Management	3	0	0	3
2	1702CP202	Security In Computing	3	0	0	3
3	1702CP203	Internet of Things	3	0	2	4
4	1702CP204	Advanced Databases	3	0	0	3
5	1702CP205	Machine Learning Techniques	3	0	0	3
6		Elective II	3	0	0	3
PRACTICAL						
7	1704CP206	Advanced Database Laboratory	0	0	4	2
8	1704CP207	Technical Seminar	0	0	2	1
9	1704CP208	Communication Skill Lab-II	1	0	2	2
TOTAL			19	0	10	24

SEMESTER III

SL. No	COURSE CODE	COURSE TITLE	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						
4	1704CP301	Project Work (Phase I)			12	6
TOTAL					12	15

ATTESTED

Dr. S. RAMABALAN, M.E.
PRINCIPAL
 E.G.S. Pillay Engineering College
 Thethi Nagore
 Nagapattinam (Dist)



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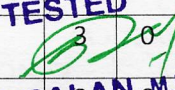
SEMESTER IV

SL. No	COURSE CODE	COURSE TITLE	L	T	P	C
PRACTICAL						
1	1704CP401	Project Work (Phase II)	0	0	24	12
TOTAL			0	0	24	12

TOTAL CREDITS TO BE EARNED FOR THE AWARD OF THE DEGREE = 76

LIST OF ELECTIVES FOR M.E. COMPUTER SCIENCE AND ENGINEERING

L. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	1703CP001	Big Data Analytics	PE	3	3	0	0	3
2.	1703CP002	Advanced Graph Theory	PE	3	3	0	0	3
3.	1703CP003	Image Processing and Analysis	PE	3	3	0	0	3
4.	1703CP004	Cloud Computing	PE	3	3	0	0	3
5.	1703CP005	Data Mining Techniques	PE	3	3	0	0	3
6.	1703CP006	Real Time Systems	PE	3	3	0	0	3
7.	1703CP007	Mobile and Pervasive Computing	PE	3	3	0	0	3
8.	1703CP00	Parallel Programming Paradigms	PE	3	3	0	0	3
9.	1703CP009	Information Retrieval Techniques	PE	3	3	0	0	3
10.	1703CP010	Network and Information Security	PE	3	3	0	0	3
11.	1703CP011	Performance Analysis of Computer Systems	PE	3	3	0	0	3
12.	1703CP012	Language Technologies	PE	3	3	0	0	3
13.	1703CP013	Computer Vision	PE	3	3	0	0	3
14.	1703CP014	Speech Processing and Synthesis	PE	3	3	0	0	3
15.	1703CP015	Software Quality Assurance and	PE	3	3	0	0	3

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		Testing						
16.	1703CP016	Ad hoc Mobile Wireless Networks	PE	3	3	0	0	3
17.	1703CP017	Embedded Software Development	PE	3	3	0	0	3
18.	1703CP018	Social Network Analysis	PE	3	3	0	0	3
19.	1703CP019	Bio-inspired Computing	PE	3	3	0	0	3
20.	1703CP020	Compiler Optimization Techniques	PE	3	3	0	0	3
21.	1703CP021	Data Visualization Techniques	PE	3	3	0	0	3
22.	1703CP022	Reconfigurable Computing	PE	3	3	0	0	3
23.	1703CP023	Mobile Application Development	PE	3	3	0	0	3
24.	1703CP024	Bio Informatics	PE	3	3	0	0	3
25.	1703CP025	Information Storage Management	PE	3	3	0	0	3
26.	1703CP026	Design And Management Of Computer Networks	PE	3	3	0	0	3
27.	1703CP027	Design And Analysis Of Parallel Algorithms	PE	3	3	0	0	3
28.	1703CP028	Research Methodology	PE	3	3	0	0	3

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