



**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](http://www.egspec.org) Ph: 04365-251112

M.E. Computer Science Engineering | E.G.S. Pillay Engineering College (Autonomous) Regulations 2021 | Approved in VI Academic Council Meeting held on 06.03.2021

**SEMESTER I**

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	2101CP101	Advanced Mathematics for Scientific Computing	FC	3	2	0	5	4
2.	2102CP102	Advanced Data Structures and Algorithms	PCC	3	0	0	3	3
3.		Program Elective-I	PEC	3	0	0	3	3
4.		Program Elective-II	PEC	3	0	0	3	3
5.	2101RMX01	Research Methodology and IPR	RMC	3	0	0	3	3
6.		Audit Course-I	AC	2	0	0	2	0
<b>PRACTICALS</b>								
7.	2102CP103	Advanced Data Structures and Algorithms Laboratory	PCC	0	0	4	4	2
8.	2102CP104	Networking Technologies Laboratory	PCC	0	0	4	4	2
<b>TOTAL</b>				<b>17</b>	<b>02</b>	<b>08</b>	<b>27</b>	<b>20</b>

**SEMESTER II**

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	2102CP201	Machine Learning Techniques	PCC	3	0	0	3	3
2.	2102CP202	Compiler Optimization Techniques	PCC	3	0	0	3	3
3.	2102CP203	Software Project Management and Testing	PCC	3	0	0	3	3
4.		Program Elective-III	PEC	3	0	0	3	3
5.		Program Elective-IV	PEC	3	0	0	3	3
6.		Audit Course-II	AC	2	0	0	2	0
<b>PRACTICALS</b>								
7.	2102CP204	Machine Learning Techniques Laboratory	PCC	0	0	4	4	2
8.	2102CP205	Database Technology Laboratory	PCC	0	0	4	4	2
9.	2104CP206	Mini Project with Seminar	EEC	0	0	4	4	2
<b>TOTAL</b>				<b>17</b>	<b>00</b>	<b>12</b>	<b>29</b>	<b>21</b>

**ATTESTED**

**Dr. S. RAMABALAN, M.E., Ph.D.,**  
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 Thethi, Nagore - 611 002.  
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**SEMESTER III**

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.		Program Elective-V	PEC	3	0	0	3	3
2.		Open Elective	OEC	3	0	0	3	3
<b>PRACTICALS</b>								
4.	2104CP301	Project Work-Phase - I	EEC	0	0	20	20	10
<b>TOTAL</b>				<b>06</b>	<b>00</b>	<b>20</b>	<b>26</b>	<b>16</b>

**SEMESTER IV**

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
<b>PRACTICALS</b>								
1.	2104CP401	Project Work-Phase II	EEC	0	0	32	32	16
<b>TOTAL</b>				<b>00</b>	<b>00</b>	<b>32</b>	<b>32</b>	<b>16</b>

**PROGRAM ELECTIVE COURSES (PEC)**

**SEMESTER - I, ELECTIVE - I**

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	2103CP001	Ad-hoc Wireless Sensor Networks	PEC	3	0	0	3	3
2.	2103CP002	Networking Technologies	PEC	3	0	0	3	3
3.	2103CP003	Advanced Storage Area Network	PEC	3	0	0	3	3
4.	2103CP004	Mobile Applications and Pervasive Computing	PEC	3	0	0	3	3

**SEMESTER - I, ELECTIVE-II**

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	2103CP005	Advanced Operating Systems	PEC	3	0	0	3	3
2.	2103CP006	Semantic Web	PEC	3	0	0	3	3
3.	2103CP007	Advanced Computer Architecture	PEC	3	0	0	3	3
4.	2103CP008	Software Architecture Patterns	PEC	3	0	0	3	3

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**SEMESTER - II, ELECTIVE –III**

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	2103CP009	Cyber Security	PEC	3	0	0	3	3
2.	2103CP010	Advanced Database Technology	PEC	3	0	0	3	3
3.	2103CP011	Applied Cryptography	PEC	3	0	0	3	3
4.	2103CP012	Biometric Technologies	PEC	3	0	0	3	3

**SEMESTER - II, ELECTIVE –IV**

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	2103CP013	Soft Computing	PEC	3	0	0	3	3
2.	2103CP014	Internet Of Things	PEC	3	0	0	3	3
3.	2103CP015	Cloud Computing	PEC	3	0	0	3	3
4.	2103CP016	Deep Learning	PEC	3	0	0	3	3


**SEMESTER - III, ELECTIVE –V**

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	2103CP017	Big Data Analytics	PEC	3	0	0	3	3
2.	2103CP018	Information Retrieval Techniques	PEC	3	0	0	3	3
3.	2103CP019	Foundation of Data Science	PEC	3	0	0	3	3
4.	2103CP020	Data Warehousing and Data Mining	PEC	3	0	0	3	3

**OPEN ELECTIVE COURSES [OEC]**

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	2103CP014	Internet of Things	OEC	3	0	0	3	3
2.	2103CP017	Big Data Analytics	OEC	3	0	0	3	3
3.	2103CP021	Social Network Analysis	OEC	3	0	0	3	3
4.	2103CP022	Cyber Forensics	OEC	3	0	0	3	3
5.	2103CP023	Social Media Web Analysis	OEC	3	0	0	3	3
6.	2103CP024	Knowledge Engineering and Management	OEC	3	0	0	3	3

**AUDIT COURSES (AC)**

**ATTESTED**  
  
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SL. NO	COURSE CODE	COURSE TITLE	PERIODS PER WEEK			CREDITS
			L	T	P	
1.	2101AU001	English for Research Paper Writing	2	0	0	0
2.	2101AU002	Disaster Management	2	0	0	0
3.	2101AU003	Sanskrit for Technical Knowledge	2	0	0	0
4.	2101AU004	Value Education	2	0	0	0
5.	2101AU005	Constitution of India	2	0	0	0
6.	2101AU006	Pedagogy Studies	2	0	0	0
7.	2101AU007	Stress Management by Yoga	2	0	0	0
8.	2101AU008	Personality Development Through Life Enlightenment Skills	2	0	0	0
9.	2101AU009	Unnat Bharat Abhiyan	2	0	0	0

**SUMMARY**

M.E.COMPUTER SCIENCE AND ENGINEERING						
	Subject Area	Credits Per Semester				Credits Total
		I	II	III	IV	
1.	FC	04	00	00	00	04
2.	PCC	07	13	00	00	20
3.	PEC	06	06	03	00	15
4.	RMC	03	00	00	00	03
5.	OEC	00	00	03	00	03
6.	EEC	00	02	10	16	28
7.	Non Credit/Audit Courses	✓	✓	00	00	00
	<b>Total Credit</b>	<b>19</b>	<b>19</b>	<b>19</b>	<b>16</b>	<b>73</b>

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