



# 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)

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

## 3.1 List of Courses offered across all programmes during 2019–2020

Sl.No.	Program name	Course code	Course name
1.	Bio Medical Engineering	1901MA104	Engineering Mathematics –I (Linear Algebra, Calculus and Partial differentiation)
2.	Bio Medical Engineering	1901CH103	Chemistry for Biomedical Engineering
3.	Bio Medical Engineering	1901GEX03	Programming for Problem Solving
4.	Bio Medical Engineering	1901ENX01	English for Engineers
5.	Bio Medical Engineering	1901GEX52	Computer Programming Lab
6.	Bio Medical Engineering	1901GEX51	Engineering Intelligence I
7.	Bio Medical Engineering	1901CHX51	Engineering Chemistry Lab
8.	Bio Medical Engineering	1901HS151	Communication Skills
9.	Bio Medical Engineering	1901MA204	Engineering Mathematics–II(Calculus, Ordinary Differential Equations and Complex Variable)
10.	Bio Medical Engineering	1901PH202	Semiconductor Physics and Optoelectronics
11.	Bio Medical Engineering	1901GEX01	Basic Electrical and Electronics Engineering
12.	Bio Medical Engineering	1901GEX02	Engineering Graphics
13.	Bio Medical Engineering	1901GE201	Engineering Exploration
14.	Bio Medical Engineering	1901GE254	Computer Hardware and IT Essentials Lab
15.	Bio Medical Engineering	1901GE252	Engineering Intelligence - II
16.	Bio Medical Engineering	1901GEX51	CAD Lab
17.	Bio Medical Engineering	1901GEX53	Basic Electrical and Electronics Engineering Lab
18.	Bio Medical Engineering	1901PHX51	Engineering Physics Lab
19.	ENVIRONMENTAL ENGINEERING	17EV101	Statistics For Environmental Engineers
20.	ENVIRONMENTAL ENGINEERING	17EV102	Environmental Chemistry
21.	ENVIRONMENTAL ENGINEERING	17EV103	Environmental Microbiology
22.	ENVIRONMENTAL ENGINEERING	17EV104	Transport of Water and Waste Water
23.	ENVIRONMENTAL ENGINEERING	17EV105	Principles and Design of Physico-Chemical Treatment Systems
24.	ENVIRONMENTAL ENGINEERING	17EV005	Environmental Policies and Legislation
25.	ENVIRONMENTAL ENGINEERING	17EV106	Environmental Chemistry Laboratory
26.	ENVIRONMENTAL ENGINEERING	17EV107	Environmental Microbiology Laboratory
27.	ENVIRONMENTAL ENGINEERING	17EV108	Communication Skills Lab I
28.	ENVIRONMENTAL ENGINEERING	17EV201	Principles and Design of Biological Treatment Systems
29.	ENVIRONMENTAL ENGINEERING	17EV202	Air Pollution Monitoring and Control

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	ENGINEERING		
30.	ENVIRONMENTAL ENGINEERING	17EV203	Industrial Waste Management
31.	ENVIRONMENTAL ENGINEERING	17EV204	Solid and Hazardous Waste Management
32.	ENVIRONMENTAL ENGINEERING	17EV205	Environmental Impact Assessment
33.	ENVIRONMENTAL ENGINEERING	17EV005	Environmental Policies and Legislation
34.	ENVIRONMENTAL ENGINEERING	17EV206	Unit Operations and Processes Laboratory
35.	ENVIRONMENTAL ENGINEERING	17EV207	Communication Skills Lab II
36.	ENVIRONMENTAL ENGINEERING	17EV208	Technical Seminar
37.	ENVIRONMENTAL ENGINEERING	17EV008	Membrane Technologies for Water and Waste Water Treatment
38.	ENVIRONMENTAL ENGINEERING	17EV009	Remote Sensing and GIS Applications in Environmental Management
39.	ENVIRONMENTAL ENGINEERING	17EV301	Project Work (Phase I)
40.	ENVIRONMENTAL ENGINEERING	17EV401	Project Work (Phase II)
41.	Civil Engineering	1701MA301	Engineering Mathematics - III
42.	Civil Engineering	1702CE301	Engineering Surveying I
43.	Civil Engineering	1702CE302	Solid Mechanics I
44.	Civil Engineering	1702CE303	Fluid Mechanics
45.	Civil Engineering	1702CE304	Engineering Geology
46.	Civil Engineering	1702CE305	Building Materials And Management
47.	Civil Engineering	1702CE351	Surveying Lab I
48.	Civil Engineering	1702CE352	Strength of Materials Lab
49.	Civil Engineering	1704CE353	Technical Seminar - I
50.	Civil Engineering	1704GE351	Life Skills: Soft skills
51.	Civil Engineering	1701MA403	Numerical Methods And Statistics
52.	Civil Engineering	1702CE401	Engineering Surveying II
53.	Civil Engineering	1702CE402	Solid Mechanics II
54.	Civil Engineering	1702CE403	Applied Hydraulic Engineering
55.	Civil Engineering	1702CE404	Geotechnical Engineering I
56.	Civil Engineering	1702CE405	Transportation Engineering
57.	Civil Engineering	1702CE451	Hydraulic Engineering Lab
58.	Civil Engineering	1702CE452	Geotechnical Engineering Lab
59.	Civil Engineering	1702CE453	Surveying Lab II
60.	Civil Engineering	1704CE454	Technical Seminar - II
61.	Civil Engineering	1704GE451	Life Skills: Verbal Ability
62.	Civil Engineering	1702CE501	Structural Analysis I

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*[Signature]*  
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63.	Civil Engineering	1702CE502	Concrete Structures I
64.	Civil Engineering	1702CE503	Concrete Technology
65.	Civil Engineering	1702CE504	Geotechnical Engineering II
66.	Civil Engineering	1703CE001	Remote Sensing And GIS (Elective I)
67.	Civil Engineering	1703CE006	Solid Waste Management (Elective II)
68.	Civil Engineering	1702CE551	Computer Aided Building And Drawing Lab
69.	Civil Engineering	1702CE552	Survey Camp*
70.	Civil Engineering	1704CE553	Mini Project I
71.	Civil Engineering	1704GE551	Life Skills: Aptitude - I
72.	Civil Engineering	1702CE601	Structural Analysis II
73.	Civil Engineering	1702CE602	Concrete Structures II
74.	Civil Engineering	1702CE603	Design Of Steel Structures
75.	Civil Engineering	1702CE604	Water Supply Engineering
76.	Civil Engineering	1703CE009	Ground Water Engineering (Elective III)
77.	Civil Engineering	1702CE651	Concrete And Highway Engineering Lab
78.	Civil Engineering	1702CE652	Environmental And Irrigation Design And Drawing
79.	Civil Engineering	1704GE651	Life Skills: Aptitude - II
80.	Civil Engineering	1702CE653	Mini Project II
81.	Civil Engineering	1702CE654	Industrial Visit / Presentation
82.	Civil Engineering	CE6701	Structural Dynamics and Earthquake Engineering
83.	Civil Engineering	CE6702	Prestressed Concrete Structures
84.	Civil Engineering	CE6703	Water Resources and Irrigation Engineering
85.	Civil Engineering	CE6704	Estimation and Quantity Surveying
86.	Civil Engineering	CE6006	Traffic Engineering and Management
87.	Civil Engineering	EN6501	Municipal Solid Waste Management
88.	Civil Engineering	MG6851	Principles of Management
89.	Civil Engineering	CE6016	Prefabricated Structures
90.	Civil Engineering	CE6021	Repair and Rehabilitation of Structures
91.	Civil Engineering	CE6811	Project work
92.	Civil Engineering	1901MA101	Engineering Mathematics – I (Matrices and Calculus)
93.	Civil Engineering	1901PH101	Introduction to Mechanics
94.	Civil Engineering	1901GEX01	Basic Electrical and Electronics Engineering
95.	Civil Engineering	1901GEX02	Engineering Graphics
96.	Civil Engineering	1901GEX51	CAD Lab
97.	Civil Engineering	1901GEX52	Basic Electrical and Electronics Engineering Lab
98.	Civil Engineering	1901PHX51	Engineering Physics Lab
99.	Civil Engineering	1901HS151	Communication Skills
100.	Civil Engineering	1901MA201	Engineering Mathematics – II (Differential equations)
101.	Civil Engineering	1901CH201	Water Technology and Green Chemistry
102.	Civil Engineering	1901GEX03	Programming for Problem Solving
103.	Civil Engineering	1901ENX01	English for Engineers
104.	Civil Engineering	1901GE201	Engineering Exploration
105.	Civil Engineering	1901CHX51	Engineering Chemistry Lab

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106.	Civil Engineering	1901GE553	Basic Workshop Lab
107.	Civil Engineering	1901GEX52	Computer Programming Lab
108.	Civil Engineering	1901HSX51	Communication Skill Lab
109.	Civil Engineering	1901GE552	Engineering Intelligence - II
110.	Computer Science and Business System	1901MA105	Discrete Mathematics
111.	Computer Science and Business System	1901MA106	Probability and Statistics
112.	Computer Science and Business System	1901GE102	Principles of Electrical Engineering
113.	Computer Science and Business System	1901PH103	Fundamentals of Physics
114.	Computer Science and Business System	1901EN101	Business Communication and Value Science
115.	Computer Science and Business System	1901GE103	Fundamentals of Computer Science
116.	Computer Science and Business System	1901MA205	Linear Algebra
117.	Computer Science and Business System	1901MA206	Statistical Modeling
118.	Computer Science and Business System	1901GE202	Data Structures and Algorithms
119.	Computer Science and Business System	1901GE203	Principles of Electronics
120.	Computer Science and Business System	1901HS201	Fundamentals of Economics
121.	Computer Science and Business System	1901EN201	Business Communication and Value Science - II
122.	Computer Science and Engineering	1701CP101	Applied Probability and Statistics
123.	Computer Science and Engineering	1702CP102	Advanced Data Structures and Algorithms
124.	Computer Science and Engineering	1702CP103	Advanced Computer Architecture
125.	Computer Science and Engineering	1702CP104	Advanced Operating System
126.	Computer Science and Engineering	1702CP105	Design and Management of Computer Networks
127.	Computer Science and Engineering	1703CP003	Image Processing & Analysis
128.	Computer Science and Engineering	1704CP106	Advanced Data Structures Laboratory
129.	Computer Science and Engineering	1704CP107	Case Study – Operating Systems Design
130.	Computer Science and	1704CP108	Communication Skill Lab I

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	Engineering		
131.	Computer Science and Engineering	1701CP201	Software Process and Project Management
132.	Computer Science and Engineering	1702CP202	Security In Computing
133.	Computer Science and Engineering	1702CP203	Internet of Things
134.	Computer Science and Engineering	1702CP204	Advanced Databases
135.	Computer Science and Engineering	1702CP205	Machine Learning Techniques
136.	Computer Science and Engineering	1703CP016	Adhoc Mobile Wireless Networks
137.	Computer Science and Engineering	1704CP206	Advanced Database Laboratory
138.	Computer Science and Engineering	1704CP207	Technical Seminar
139.	Computer Science and Engineering	1704CP208	Communication Skill Lab II
140.	Computer Science and Engineering	1703CP004	Elective III - Cloud Computing
141.	Computer Science and Engineering	1703CP010	Elective IV - Network And Information Security
142.	Computer Science and Engineering	1703CO036	Elective V - Network Engineering And Management
143.	Computer Science and Engineering	1704CP301	Project Work Phase-I
144.	Computer Science and Engineering	1704CP401	Project Work Phase-II
145.	Computer Science and Engineering	1901MA102	Engineering Mathematics –I (Calculus and Linear Algebra)
146.	Computer Science and Engineering	1901CH104	Applied Chemistry in Informatics
147.	Computer Science and Engineering	1901GEX03	Programming for Problem Solving
148.	Computer Science and Engineering	1901ENX01	English for Engineers
149.	Computer Science and Engineering	1901GEX52	Computer Programming Lab
150.	Computer Science and Engineering	1901GE151	Engineering Intelligence I
151.	Computer Science and Engineering	1901CHX51	Engineering Chemistry Lab
152.	Computer Science and Engineering	1901HSX51	Communication Skills Lab
153.	Computer Science and Engineering	1901MA202	Engineering Mathematics II (Probability and

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	Engineering		Statistics)
154.	Computer Science and Engineering	1901PH201	Physics for Information Science
155.	Computer Science and Engineering	1901GEX01	Basic Electrical and Electronics Engineering
156.	Computer Science and Engineering	1901GEX02	Engineering Graphics
157.	Computer Science and Engineering	1901GE201	Engineering Exploration
158.	Computer Science and Engineering	1901GE254	Computer Hardware and IT Essentials Lab
159.	Computer Science and Engineering	1901GE252	Engineering Intelligence - II
160.	Computer Science and Engineering	1901GEX51	CAD Lab
161.	Computer Science and Engineering	1901GEX53	Basic Electrical and Electronics Engineering Lab
162.	Computer Science and Engineering	1901PHX51	Engineering Physics Lab
163.	Computer Science and Engineering	1701MA301	Engineering Mathematics III
164.	Computer Science and Engineering	1702CS301	Data Structures
165.	Computer Science and Engineering	1702CS302	Computer Organization and Architecture
166.	Computer Science and Engineering	1702CS303	Software Engineering
167.	Computer Science and Engineering	1702CS304	Digital Systems
168.	Computer Science and Engineering	1702CS305	Operating Systems
169.	Computer Science and Engineering	1702CS351	Data Structures Lab
170.	Computer Science and Engineering	1702CS352	Operating Systems Lab
171.	Computer Science and Engineering	1704GE351	Life Skills: Business English
172.	Computer Science and Engineering	1701MA401	Probability and Queuing Theory
173.	Computer Science and Engineering	1702CS401	Computer Networks
174.	Computer Science and Engineering	1702CS402	Programming Paradigms
175.	Computer Science and Engineering	1702CS403	Design & Analysis of Algorithms
176.	Computer Science and	1702CS404	Microprocessors and Microcontrollers

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	Engineering		
177.	Computer Science and Engineering	1702CSX02	Database Management Systems
178.	Computer Science and Engineering	1702CS451	Networks Lab
179.	Computer Science and Engineering	1702CSX52	Database Management Systems Lab
180.	Computer Science and Engineering	1704CS452	Technical Seminar II
181.	Computer Science and Engineering	1704GE451	Life Skills: Verbal Ability
182.	Computer Science and Engineering	1701MA501	Discrete Mathematics
183.	Computer Science and Engineering	1702CS501	Object Oriented Analysis and Design
184.	Computer Science and Engineering	1702CS502	Theory of Computation
185.	Computer Science and Engineering	1702CS503	Computer Graphics and Multimedia
186.	Computer Science and Engineering	1703CS002	Software Testing (Elective I)
187.	Computer Science and Engineering	1703CS006	Mobile Computing(Elective II)
188.	Computer Science and Engineering	1702CS551	Computer Graphics and Multimedia Lab
189.	Computer Science and Engineering	1704CS552	CASE Tools Laboratory (Mini Project I)
190.	Computer Science and Engineering	1704CS553	Technical Seminar
191.	Computer Science and Engineering	1704GE551	Life Skills: Aptitude-I
192.	Computer Science and Engineering	1701MGX01	Professional Ethics
193.	Computer Science and Engineering	1702CS601	Web Technology
194.	Computer Science and Engineering	1702CS602	Artificial Intelligence
195.	Computer Science and Engineering	1702CS603	Distributed Systems
196.	Computer Science and Engineering	1703CS012/ 1703MG008	Data Warehousing and Data Mining/ Human Rights
197.	Computer Science and Engineering	1703CE032 / 1703EC020 / 1703ME011	Global Warming and Climate Change/ Soft Computing /Industrial Robotics
198.	Computer Science and Engineering	1702CS651	Web Technology Laboratory

  
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199.	Computer Science and Engineering	1704CS652	Mobile Application Development Laboratory
200.	Computer Science and Engineering	1704CS653	Industrial Visit Presentation
201.	Computer Science and Engineering	1704GE651	Life Skills: Aptitude-II
202.	Computer Science and Engineering	CS6701	Cryptography and Network Security
203.	Computer Science and Engineering	CS6702	Graph Theory and Applications
204.	Computer Science and Engineering	CS6703	Grid and Cloud Computing
205.	Computer Science and Engineering	CS6704	Resource Management Techniques
206.	Computer Science and Engineering	IT6801	Service Oriented Architecture
207.	Computer Science and Engineering	EC6703	Embedded and Real Time Systems
208.	Computer Science and Engineering	CS6711	Security Laboratory
209.	Computer Science and Engineering	CS6712	Grid and Cloud Computing Laboratory
210.	Computer Science and Engineering	CS6801	Multi – Core Architectures and Programming
211.	Computer Science and Engineering	CS6010	Social Network Analysis
212.	Computer Science and Engineering	MG6088	Software Project Management
213.	Computer Science and Engineering	CS6811	Project Work
214.	Communication Systems	1701CO101	Applied Engineering Mathematics
215.	Communication Systems	1702CO102	Advanced Digital Signal Processing
216.	Communication Systems	1702CO103	High Speed Communication Networks
217.	Communication Systems	1702CO104	Advanced Digital Communication
218.	Communication Systems	1702CO105	Wireless Communication Engineering
219.	Communication Systems	1704CO106	Signals Processing and Communication Laboratory
220.	Communication Systems	1704CO107	Wireless Communication Networks Lab
221.	Communication Systems	1704CO108	Communication Skills Laboratory - I
222.	Communication Systems	1702CO001	Electromagnetic Interference and compatibility in system design
223.	Communication Systems	1702CO201	FPGA Based Communication System Design
224.	Communication Systems	1702CO202	Microwave Integrated Circuits
225.	Communication Systems	1702CO203	Optical Switching and Networking
226.	Communication Systems	1702CO204	Information Theory and Coding

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227.	Communication Systems	1704CO205	RF System Design Laboratory
228.	Communication Systems	1704CO206	Technical Seminar
229.	Communication Systems	1704CO207	Communication Skills Laboratory -II
230.	Communication Systems	1703CO001	ADVANCED DIGITAL IMAGE PROCESSING
231.	Communication Systems	1703CO017	MOBILE AD HOC NETWORKS
232.	Communication Systems	1702CO301	Electromagnetic Interference and Compatibility in System Design
233.	Communication Systems	1703CO024	Elective IV - Machine Learning Algorithms
234.	Communication Systems	1703CP017	Elective V - Embedded Software Development
235.	Communication Systems	1704CO302	Project Work Phase-I
236.	Communication Systems	1703CO033	Wireless Sensor Networks
237.	Communication Systems	1703CO034	Optical Signal Processing
238.	Communication Systems	1703CO035	High Speed Switching Architecture
239.	Communication Systems	1703CO036	Network Engineering And Management
240.	Electronics and Communication Engineering	1901MA104	Engineering Mathematics –I (Linear Algebra, Calculus and Partial differentiation)
241.	Electronics and Communication Engineering	1901CH102	Chemistry for Electronic Engineers
242.	Electronics and Communication Engineering	1901GEX03	Programming for Problem Solving
243.	Electronics and Communication Engineering	1901ENX01	English for Engineers
244.	Electronics and Communication Engineering	1901GEX52	Computer Programming Laboratory
245.	Electronics and Communication Engineering	1901GE151	Engineering Intelligence I
246.	Electronics and Communication Engineering	1901CHX51	Engineering Chemistry Laboratory
247.	Electronics and Communication Engineering	1901HSX51	Communication Skill Laboratory
248.	Electronics and Communication Engineering	1901MA204	Engineering Mathematics –II(Calculus, Ordinary Differential Equations and Complex Variable)
249.	Electronics and Communication Engineering	1901PH202	Semiconductor Physics and Optoelectronics
250.	Electronics and Communication	1901GEX01	Basic Electrical and Electronics Engineering

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	Engineering		
251.	Electronics and Communication Engineering	1901GEX02	Engineering Graphics
252.	Electronics and Communication Engineering	1901GE201	Engineering Exploration
253.	Electronics and Communication Engineering	1901GE254	Computer Hardware and IT Essentials Laboratory
254.	Electronics and Communication Engineering	1901GE252	Engineering Intelligence II
255.	Electronics and Communication Engineering	1901GEX51	CAD Laboratory
256.	Electronics and Communication Engineering	1901GEX53	Basic Electrical and Electronics Engineering Laboratory
257.	Electronics and Communication Engineering	1901PHX51	Engineering Physics Laboratory
258.	Electronics and Communication Engineering	1704EC050	Application of Neural Network and Fuzzy Logic
259.	Electronics and Communication Engineering	1702EC501	Analog Communication
260.	Electronics and Communication Engineering	1702EC502	Antenna and Wave Propagation
261.	Electronics and Communication Engineering	1702EC503	Digital Signal Processing
262.	Electronics and Communication Engineering	1702EC504	Computer Networks
263.	Electronics and Communication Engineering	1703EC601	Information Theory and Coding
264.	Electronics and Communication Engineering	1703EC602	Digital Control Engineering
265.	Electronics and Communication Engineering	1703EC603	Network Security

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266.	Electronics and Communication Engineering	1703EC604	Real Time Operating Systems
267.	Electronics and Communication Engineering	1703EC605	Soft Computing
268.	Electronics and Communication Engineering	1703EC813	Cloud Computing
269.	Electronics and Communication Engineering	1703EC814	Internet of Things (IoT)
270.	Electronics and Communication Engineering	1703EC815	Big Data Analytics
271.	Electronics and Communication Engineering	1703EC816	Introduction to Web Technology
272.	Electronics and Communication Engineering	1703EC817	Grid Computing
273.	Electronics and Communication Engineering	1703EC004	Professional Elective – I (Bio Medical Engineering)
274.	Electronics and Communication Engineering	1703EC008	Professional Elective – II (Measurement and Instrumentation)
275.	Electronics and Communication Engineering	1702EC551	Analog Communication Laboratory
276.	Electronics and Communication Engineering	1702EC552	Digital Signal Processing Laboratory
277.	Electronics and Communication Engineering	1704EC553	Technical Seminar
278.	Electronics and Communication Engineering	1704GE551	Life Skills: Aptitude – I
279.	Electronics and Communication Engineering	1701MGX01	Professional Ethics
280.	Electronics and Communication Engineering	1702EC601	VLSI Design
281.	Electronics and	1702EC602	Digital Communication

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	Communication Engineering		
282.	Electronics and Communication Engineering	1702EC603	Wireless Networks and Standards
283.	Electronics and Communication Engineering	1703EC601	Information Theory and Coding
284.	Electronics and Communication Engineering	1703EC602	Digital Control Engineering
285.	Electronics and Communication Engineering	1703EC603	Network Security
286.	Electronics and Communication Engineering	1703EC604	Real Time Operating Systems
287.	Electronics and Communication Engineering	1703EC605	Soft Computing
288.	Electronics and Communication Engineering	1703EC813	Cloud Computing
289.	Electronics and Communication Engineering	1703EC814	Internet of Things (IoT)
290.	Electronics and Communication Engineering	1703EC815	Big Data Analytics
291.	Electronics and Communication Engineering	1703EC816	Introduction to Web Technology
292.	Electronics and Communication Engineering	1703EC817	Grid Computing
293.	Electronics and Communication Engineering	EC6711	Embedded Laboratory
294.	Electronics and Communication Engineering	EC6712	Optical and Microwave Laboratory
295.	Electronics and Communication Engineering	EC6801	Wireless Communication
296.	Electronics and Communication	EC6802	Wireless Networks

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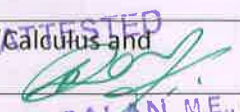
# E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

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

	Engineering		
297.	Electronics and Communication Engineering	EC6811	Project Work
298.	Power Electronics and Drives	1701PE101	Applied Mathematics for Electrical Engineers
299.	Power Electronics and Drives	1701PE102	Power Semiconductor Devices and Recent Advancements
300.	Power Electronics and Drives	1701PE103	Analysis of Power Converters
301.	Power Electronics and Drives	1701PE104	Analysis of Inverters
302.	Power Electronics and Drives	1701PE105	Modelling and Analysis of Electrical Machines
303.	Power Electronics and Drives	1704PE106	Power Electronic Circuits Laboratory
304.	Power Electronics and Drives	1704PE107	Power Electronics Simulation Laboratory
305.	Power Electronics and Drives	1704PE108	Communication Skills Lab I
306.	Power Electronics and Drives	1701PE201	Research Methodology
307.	Power Electronics and Drives	1701PE202	Solid State DC Drives
308.	Power Electronics and Drives	1701PE203	Solid State AC Drives
309.	Power Electronics and Drives	1701PE204	Power Quality Issues and Solutions
310.	Power Electronics and Drives	1701PE205	Modelling and Design of SMPS
311.	Power Electronics and Drives	1701PE206	Electrical Drives Laboratory
312.	Power Electronics and Drives	1701PE207	Technical Seminar
313.	Power Electronics and Drives	1703PE018	Elective III- Optimization Techniques
314.	Power Electronics and Drives	1703PE001	Elective IV - Recent trends in power conversion Technology
315.	Power Electronics and Drives	1703EV020	Elective V-Environmental Engineering and Pollution Control
316.	Power Electronics and Drives	1704PE301	Project Work Phase-I
317.	Power Electronics and Drives	1704PE401	Project Work Phase-II
318.	Electrical and Electronics Engineering	1901MA103	Engineering Mathematics – I (Calculus and Differential Equations)

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319.	Electrical and Electronics Engineering	1901PH102	Wave, Optics and Electromagnetism
320.	Electrical and Electronics Engineering	1901GE101	Electric Circuit Analysis
321.	Electrical and Electronics Engineering	1901GEX02	Engineering Graphics
322.	Electrical and Electronics Engineering	1901GEX51	CAD Lab
323.	Electrical and Electronics Engineering	1901GEX53	Basic Electrical and Electronics Engineering Lab
324.	Electrical and Electronics Engineering	1901PHX51	Engineering Physics Lab
325.	Electrical and Electronics Engineering	1901GE151	Engineering Intelligence-I
326.	Electrical and Electronics Engineering	1901MA203	Engineering Mathematics – II (Linear Algebra, Transform Calculus and Numerical Methods)
327.	Electrical and Electronics Engineering	1901CH202	Applied Chemistry
328.	Electrical and Electronics Engineering	1901GEX03	Programming for Problem Solving
329.	Electrical and Electronics Engineering	1901ENX01	English for Engineers
330.	Electrical and Electronics Engineering	1901GE201	Engineering Exploration
331.	Electrical and Electronics Engineering	1901CHX51	Engineering Chemistry Lab
332.	Electrical and Electronics Engineering	1901GE253	Basic Workshop Lab
333.	Electrical and Electronics Engineering	1901GEX52	Computer Programming Lab
334.	Electrical and Electronics Engineering	1901HSX51	Communication Skill Lab
335.	Electrical and Electronics Engineering	1901GE252	Engineering Intelligence – II
336.	Electrical and Electronics Engineering	1701MA301	Engineering Mathematics-III
337.	Electrical and Electronics Engineering	1702EE301	Electron Devices and Circuits
338.	Electrical and Electronics Engineering	1702EE302	Digital Electronics
339.	Electrical and Electronics Engineering	1702EE303	Electromagnetic Theory
340.	Electrical and Electronics Engineering	1702EE304	Power Plant Engineering
341.	Electrical and Electronics Engineering	1702EE305	Electrical Machinery-I

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342.	Electrical and Electronics Engineering	1702EE351	Electrical Machinery Laboratory-I
343.	Electrical and Electronics Engineering	1702EE352	Electron Devices and Circuits Laboratory
344.	Electrical and Electronics Engineering	1704EE353	Technical Seminar I
345.	Electrical and Electronics Engineering	1704GE351	Life Skills: Soft Skills
346.	Electrical and Electronics Engineering	1701MA403	Numerical Methods and Statistics
347.	Electrical and Electronics Engineering	1702EE401	Measurements and Instrumentation
348.	Electrical and Electronics Engineering	1702EE402	Linear Integrated Circuits
349.	Electrical and Electronics Engineering	1702EE403	Transmission and Distribution
350.	Electrical and Electronics Engineering	1702EE404	Electrical Machinery-II
351.	Electrical and Electronics Engineering	1702EC406	Communication Engineering
352.	Electrical and Electronics Engineering	1702EE451	Electrical Machinery Laboratory-II
353.	Electrical and Electronics Engineering	1702EE452	Analog And Digital Integrated Circuits Laboratory
354.	Electrical and Electronics Engineering	1704EE453	Technical Seminar II
355.	Electrical and Electronics Engineering	1704GE451	Life Skills: Verbal Ability
356.	Electrical and Electronics Engineering	1702EE501	Electrical Machine Design
357.	Electrical and Electronics Engineering	1702EE502	Linear Control Systems
358.	Electrical and Electronics Engineering	1702EE503	Power Electronics
359.	Electrical and Electronics Engineering	1703EE001	SPECIAL ELECTRICAL MACHINES
360.	Electrical and Electronics Engineering	1703EE002	ELECTRICAL SAFETY AND MANAGEMENT
361.	Electrical and Electronics Engineering	1702CS504	Object Oriented Programming
362.	Electrical and Electronics Engineering	1702CS554	Object Oriented Programming Laboratory
363.	Electrical and Electronics Engineering	1702EE551	Measurement and Control Laboratory
364.	Electrical and Electronics Engineering	1704EE552	Mini Project – I

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*[Signature]*  
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365.	Electrical and Electronics Engineering	1704GE551	Life Skills: Aptitude-I
366.	Electrical and Electronics Engineering	1701MGX02	Industrial Economics
367.	Electrical and Electronics Engineering	1702EE601	Solid State Drives
368.	Electrical and Electronics Engineering	1702EE602	Power System Analysis
369.	Electrical and Electronics Engineering	1702EE603	Microprocessor, Microcontroller and its Applications
370.	Electrical and Electronics Engineering	1703EE009	Power System Transient
371.	Electrical and Electronics Engineering	Elective-VI	Elective-VI (Open Elective)
372.	Electrical and Electronics Engineering	1702EE651	Power Electronics and Drives Laboratory
373.	Electrical and Electronics Engineering	1702EE652	Microprocessor, Microcontroller and its Applications Laboratory
374.	Electrical and Electronics Engineering	1704EE653	Mini Project – II
375.	Electrical and Electronics Engineering	1704EE654	Industrial Visit Presentation
376.	Electrical and Electronics Engineering	1704GE651	Life Skills: Aptitude – II
377.	Electrical and Electronics Engineering	EE6701	High Voltage Engineering
378.	Electrical and Electronics Engineering	EE6702	Protection and Switchgear
379.	Electrical and Electronics Engineering	EE6703	Special Electrical Machines
380.	Electrical and Electronics Engineering	MG6851	Principles of Management
381.	Electrical and Electronics Engineering	1701MGX01	Professional Ethics
382.	Electrical and Electronics Engineering	1702EE701	Protection and Switchgear
383.	Electrical and Electronics Engineering	EE6711	Power System Simulation Laboratory
384.	Electrical and Electronics Engineering	EE6712	Comprehension
385.	Electrical and Electronics Engineering	EE6801	Electric Energy Generation, Utilization and Conservation
386.	Electrical and Electronics Engineering	EE6009	Power Electronics for Renewable Energy Systems
387.	Electrical and Electronics Engineering	GE6075	Professional Ethics in Engineering

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388.	Electrical and Electronics Engineering	EE6811	Project Work
389.	Information Technology	1701MA301	Engineering Mathematics III
390.	Information Technology	1702IT301	Data Structures and Algorithms
391.	Information Technology	1702CS302	Computer Organization and Architecture
392.	Information Technology	1702IT302	Digital Principles and Design
393.	Information Technology	1702IT303	Principles of Communication
394.	Information Technology	1702CSX02	Database Management Systems
395.	Information Technology	1702CSX52	Database Management Systems Lab
396.	Information Technology	1704GE351	Life Skills: Soft Skills
397.	Information Technology	1701MA401	Probability And Queuing Theory
398.	Information Technology	1702IT404	Operating Systems
399.	Information Technology	1702CS401	Computer Networks
400.	Information Technology	1702IT401	Software Engineering And Project Management
401.	Information Technology	1702IT402	Java Programming
402.	Information Technology	1702IT403	Internet of Things
403.	Information Technology	1702CS451	Networks Lab
404.	Information Technology	1704GE451	Life Skills: Verbal Ability
405.	Information Technology	1702IT501	Object Oriented Analysis And Design
406.	Information Technology	1702IT502	Distributed Computing
407.	Information Technology	1702IT503	Computer Graphics And Multimedia
408.	Information Technology	1702IT504	Web Programming
409.	Information Technology	1703IT003	Artificial Intelligence
410.	Information Technology	1703IT006	Multi core Architecture
411.	Information Technology	1704IT551	Case Tools (Mini Project I)
412.	Information Technology	1704GE551	Life Skills: Aptitude I
413.	Information Technology	1704IT552	Technical Seminar
414.	Information Technology	1702IT601	C# and .NET
415.	Information Technology	1702IT602	Mobile Computing
416.	Information Technology	1702IT603	Data Warehousing and Data Mining
417.	Information Technology	1702IT604	Wireless Communication
418.	Information Technology	1703IT013	Software Architecture (Elective)
419.	Information Technology	1901HS003	Start up Entrepurnership
420.	Information Technology	IT6701	Information Management
421.	Information Technology	CS6701	Cryptography and Network Security
422.	Information Technology	IT6702	Data Ware Housing and Data Mining
423.	Information Technology	CS6703	Grid and Cloud Computing
424.	Information Technology	IT6004	Software Testing (Elective)
425.	Information Technology	IT6711	Data Mining Laboratory
426.	Information Technology	IT6712	Security Laboratory
427.	Information Technology	IT6713	Grid and Cloud Computing Laboratory
428.	Information Technology	IT6801	Service Oriented Architecture
429.	Information Technology	GE6075	Professional Ethics in Engineering (Elective – III)
430.	Information Technology	CS6004	Cyber Forensics (Elective – IV)
431.	Information Technology	MG6088	Software Project Management (Elective – V)

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432.	Information Technology	IT6811	Project Work
433.	Information Technology	1901MA102	Engineering Mathematics –I (Calculus and Linear Algebra)
434.	Information Technology	1901CH104	Applied Chemistry in Informatics
435.	Information Technology	1901GEX03	Programming for Problem Solving
436.	Information Technology	1901ENX01	English for Engineers
437.	Information Technology	1901GEX52	Computer Programming Lab
438.	Information Technology	1901GE151	Engineering Intelligence - I
439.	Information Technology	1901CHX51	Engineering Chemistry Lab
440.	Information Technology	1901HSX51	Communication Skill Lab
441.	Information Technology	1901MA202	Engineering Mathematics –II (Probability and Statistics)
442.	Information Technology	1901PH201	Physics for Information Science
443.	Information Technology	1901GEX01	Basic Electrical and Electronics Engineering
444.	Information Technology	1901GEX02	Engineering Graphics
445.	Information Technology	1901GE201	Engineering Exploration
446.	Information Technology	1901GE254	Computer Hardware and IT Essentials Lab
447.	Information Technology	1901GE252	Engineering Intelligence - II
448.	Information Technology	1901GEX51	CAD Lab
449.	Information Technology	1901GEX53	Basic Electrical and Electronics Engineering Lab
450.	Information Technology	1901PHX51	Engineering Physics Lab
451.	Master of Business Administration	1701BA101	Principles of Management
452.	Master of Business Administration	1701BA102	Statistics for Management
453.	Master of Business Administration	1701BA103	Economic Analysis for Business
454.	Master of Business Administration	1701BA104	Organizational Behaviour
455.	Master of Business Administration	1701BA105	Accounting for Management
456.	Master of Business Administration	1701BA106	Legal Aspects of Business
457.	Master of Business Administration	1704BA107	Managerial Communication
458.	Master of Business Administration	1701BA108	Software Skills Lab I
459.	Master of Business Administration	1704BA109	Life Skills I
460.	Master of Business Administration	1702BA201	Operations Management
461.	Master of Business Administration	1702BA202	Financial Management
462.	Master of Business Administration	1702BA203	Marketing Management

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463.	Master of Business Administration	1702BA204	Human Resource Management
464.	Master of Business Administration	1702BA205	Information Management
465.	Master of Business Administration	1702BA206	Applied Operations Research
466.	Master of Business Administration	1702BA207	Business Research Methods
467.	Master of Business Administration	1704BA208	Managerial Communication II
468.	Master of Business Administration	1702BA209	Software Skills Lab II
469.	Master of Business Administration	1704BA109	Life Skills II
470.	Master of Business Administration	1702BA301	International Business Management
471.	Master of Business Administration	1702BA302	Strategic Management
472.	Master of Business Administration	1703BA007	Security Analysis and Portfolio Management
473.	Master of Business Administration	1703BA008	Merchant Banking and Financial Services
474.	Master of Business Administration	1703BA010	Corporate Finance
475.	Master of Business Administration	1703BA013	Managerial Behavior and Effectiveness
476.	Master of Business Administration	1703BA016	Industrial Relations & Labour Welfare
477.	Master of Business Administration	1704BA303	Summer Training
478.	Master of Business Administration	1703BA009	International Trade Finance
479.	Master of Business Administration	1703BA014	Entrepreneurship Development
480.	Master of Business Administration	1703BA015	Organisational Theory, Design and Development
481.	Master of Business Administration	1704BA401	Project Work
482.	Master of Computer Application	1701CA101	Mathematical Foundations of Computer Applications
483.	Master of Computer Application	1702CA102	Problem Solving and C Programming
484.	Master of Computer Application	1702CA103	Database Management Systems
485.	Master of Computer Application	1702CA104	Data Structures

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486.	Master of Computer Application	1702CA105	Computer Organization and Design
487.	Master of Computer Application	1702CA106	Data structures and Programming Laboratory
488.	Master of Computer Application	1702CA107	Database Management Systems Laboratory
489.	Master of Computer Application	1704CA108	Life Skill I - Business English
490.	Master of Computer Application	1702CA201	Computer Communications and Networks
491.	Master of Computer Application	1702CA202	Operating System Concepts
492.	Master of Computer Application	1702CA203	Software Engineering Methodologies
493.	Master of Computer Application	1702CA204	Design and Analysis of Algorithms
494.	Master of Computer Application	1702CA205	Object Oriented Programming
495.	Master of Computer Application	1702CA206	OOP and Algorithms Laboratory
496.	Master of Computer Application	1702CA207	OS and Network Programming Laboratory
497.	Master of Computer Application	1704CA208	Life Skill II- Verbal Ability
498.	Master of Computer Application	1701CA301	Resource Management Techniques
499.	Master of Computer Application	1702CA302	Data Mining Techniques
500.	Master of Computer Application	1702CA303	Object Oriented Analysis and Design
501.	Master of Computer Application	1702CA304	Web Programming
502.	Master of Computer Application	1703CA001	Service Oriented Architecture (Elective I)
503.	Master of Computer Application	1702CA305	Web Programming Laboratory
504.	Master of Computer Application	1702CA306	CASE Tools Laboratory
505.	Master of Computer Application	1704CA307	Technical Seminar and Report Writing
506.	Master of Computer Application	1704CA308	Life Skill III-Aptitude I
507.	Master of Computer Application	1702CA401	Advanced Java Programming
508.	Master of Computer Application	1702CA402	Cryptography and Network Security

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509.	Master of Computer Application	1702CA403	Mobile Computing
510.	Master of Computer Application	1703CA011	Internet of Things (Elective III)
511.	Master of Computer Application	1703CA016	Big Data Analytics (Elective III)
512.	Master of Computer Application	1702CA404	Advanced Java Programming Laboratory
513.	Master of Computer Application	1702CA405	Mobile Application Development Laboratory
514.	Master of Computer Application	1704CA406	Soft Skills Development Laboratory
515.	Master of Computer Application	1704CA407	Life Skill IV-Aptitude II
516.	Master of Computer Application	1702CA501	Software Testing
517.	Master of Computer Application	1702CA502	Virtualization and Cloud Computing
518.	Master of Computer Application	1702CA503	Python Programming
519.	Master of Computer Application	1703CA024	Intelligent Data Analysis (ELECTIVE IV)
520.	Master of Computer Application	1703CA026	Human Resources Management (ELECTIVE V)
521.	Master of Computer Application	1702CA504	Software Testing Laboratory
522.	Master of Computer Application	1702CA505	Python Programming Laboratory
523.	Master of Computer Application	1704CA506	Mini Project using .NET
524.	Master of Computer Application	1704CA507	Life Skill V- Competitive Exam Preparation
525.	Master of Computer Application	1704CA601	Project Viva Voce
526.	Manufacturing Engineering	1701MF101	Advanced Optimization Techniques
527.	Manufacturing Engineering	1702MF102	Polymers and Composite Materials
528.	Manufacturing Engineering	1702MF103	Materials Testing and Mechanical Characterization
529.	Manufacturing Engineering	1702MF104	Industrial Automation and Mechatronics
530.	Manufacturing Engineering	1702MF105	Robot Design and Programming
531.	Manufacturing Engineering	1703MF003	Micro Electro Mechanical Systems and Nano Technology

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532.	Manufacturing Engineering	1704MF106	CAD/CAM Lab
533.	Manufacturing Engineering	1704MF107	Automation and Mechatronics Lab
534.	Manufacturing Engineering	1704MF108	Communication Skills Lab I
535.	Manufacturing Engineering	1701MF201	Advanced Machining Technology
536.	Manufacturing Engineering	1702MF202	Flexible Tooling and Automated Inspection
537.	Manufacturing Engineering	1702MF203	Theory of Metal Forming
538.	Manufacturing Engineering	1702MF204	Advances in Casting and Welding
539.	Manufacturing Engineering	1702MF205	Precision Machining
540.	Manufacturing Engineering	1703MF002	Flexible Manufacturing Systems
541.	Manufacturing Engineering	1704MF206	Metal Forming Lab
542.	Manufacturing Engineering	1704MF207	Technical Seminar
543.	Manufacturing Engineering	1704MF208	Communication Skills Lab II
544.	Manufacturing Engineering	1703MF011	Elective III - Rapid Prototyping
545.	Manufacturing Engineering	1703MF016	Elective IV - Heat Treatment
546.	Manufacturing Engineering	1703EV017	Elective V - Industrial Waste Management
547.	Manufacturing Engineering	1704MF301	Project Work Phase-I
548.	Manufacturing Engineering	170MF401	Project Work (Phase II)
549.	Mechanical Engineering	1901MA104	Engineering Mathematics-I
550.	Mechanical Engineering	1901PH101	Introduction to Mechanics
551.	Mechanical Engineering	1901GEX01	Basic Electrical and Electronics Engineering
552.	Mechanical Engineering	1901GEX02	Engineering Graphics
553.	Mechanical Engineering	1901GEX51	CAD Lab
554.	Mechanical Engineering	1901GEX52	Basic Electrical and Electronics Engineering Lab
555.	Mechanical Engineering	1901PHX51	Engineering Physics Lab
556.	Mechanical Engineering	1901HSX51	Communication Skills
557.	Mechanical Engineering	1901MA204	Engineering Mathematics – II
558.	Mechanical Engineering	1901CH203	Materials Chemistry
559.	Mechanical Engineering	1901GEX03	Programming for Problem Solving

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560.	Mechanical Engineering	1901ENX01	English for Engineers
561.	Mechanical Engineering	1901GE201	Engineering Exploration
562.	Mechanical Engineering	1901CHX51	Engineering Chemistry Lab
563.	Mechanical Engineering	1901GE253	Basic Workshop Lab
564.	Mechanical Engineering	1901GEX52	Computer Programming Lab
565.	Mechanical Engineering	1901HSX51	Communication Skill Lab
566.	Mechanical Engineering	1901GE252	Engineering Intelligence - II
567.	Mechanical Engineering	1701MA301	Engineering Mathematics III
568.	Mechanical Engineering	1702ME301	Engineering Thermodynamics
569.	Mechanical Engineering	1702ME302	Engineering Materials and Metallurgy
570.	Mechanical Engineering	1702ME303	Fluid Mechanics and Machinery
571.	Mechanical Engineering	1702ME304	Strength of Materials
572.	Mechanical Engineering	1702ME305	Manufacturing Technology – I
573.	Mechanical Engineering	1702ME351	Machine Drawing- I
574.	Mechanical Engineering	1702ME352	Manufacturing Technology Laboratory - I
575.	Mechanical Engineering	1704ME353	Technical Seminar I
576.	Mechanical Engineering	1702ME354	Fluid Mechanics and Machinery Lab
577.	Mechanical Engineering	1704GE351	Life Skills: Soft Skills
578.	Mechanical Engineering	1702MA401	Numerical Methods and Statistics
579.	Mechanical Engineering	1702ME401	Thermal Engineering
580.	Mechanical Engineering	1702ME402	Measurements and Metrology
581.	Mechanical Engineering	1702ME403	Kinematics of Machines
582.	Mechanical Engineering	1702ME404	Design of Machine Elements
583.	Mechanical Engineering	1702ME405	Manufacturing Technology -II
584.	Mechanical Engineering	1702ME451	Thermal Engineering Laboratory
585.	Mechanical Engineering	1702ME452	Manufacturing Technology Laboratory – II
586.	Mechanical Engineering	1704ME453	Technical Seminar II
587.	Mechanical Engineering	1704GE451	Life Skills: Verbal Ability
588.	Mechanical Engineering	1701MA502	Operations Research
589.	Mechanical Engineering	1702ME501	Heat and Mass Transfer
590.	Mechanical Engineering	1702ME502	Computer Aided Design
591.	Mechanical Engineering	1702ME503	Design of Transmission Systems
592.	Mechanical Engineering	1703ME001	Non - Traditional Machining Processes
593.	Mechanical Engineering	1703ME006	WELDING TECHNOLOGY
594.	Mechanical Engineering	1702ME551	Heat Transfer Laboratory
595.	Mechanical Engineering	1702ME552	Computer Aided Design Laboratory
596.	Mechanical Engineering	1704ME553	Mini Project I (Design and Fabrication)
597.	Mechanical Engineering	1704GE551	Life Skills: Aptitude I
598.	Mechanical Engineering	1701MGX01	Professional Ethics
599.	Mechanical Engineering	1702ME601	Finite Element Analysis
600.	Mechanical Engineering	1702ME602	Gas Dynamics and Jet Propulsion
601.	Mechanical Engineering	1702ME603	Dynamics of Machines
602.	Mechanical Engineering	1703ME007	Process Planning And Cost Estimation
603.	Mechanical Engineering	1703ME026	Safety Engineering
604.	Mechanical Engineering	1702ME651	Dynamics of Machines Laboratory

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## 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)

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

605.	Mechanical Engineering	1702ME652	Computer Aided Analysis Laboratory
606.	Mechanical Engineering	1704ME653	Mini Project II
607.	Mechanical Engineering	1704ME654	Industrial Visit Presentation
608.	Mechanical Engineering	1704GE651	Life Skills: Aptitude II
609.	Mechanical Engineering	ME6701	Power Plant Engineering
610.	Mechanical Engineering	ME6702	Mechatronics
611.	Mechanical Engineering	ME6703	Computer Integrated Manufacturing
612.	Mechanical Engineering	GE6757	Total Quality Management
613.	Mechanical Engineering	ME6005	Process Planning and Cost Estimation
614.	Mechanical Engineering	ME6010	Robotics
615.	Mechanical Engineering	ME6711	Simulation and Analysis Laboratory
616.	Mechanical Engineering	ME6712	Mechatronics Laboratory
617.	Mechanical Engineering	ME6713	Comprehension
618.	Mechanical Engineering	MG6863	Engineering Economics
619.	Mechanical Engineering	IE6605	Production Planning and Control
620.	Mechanical Engineering	ME6016	Advanced I.C. Engines
621.	Mechanical Engineering	ME6811	Project Work

ATTESTED

  
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