



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

2018-19

1.2.1. Percentage of new courses introduced of the total number of courses across all programs offered during the last five years.

S.No	Programme Name	Course code	Name of the Course
21	B.E-Mechanical Engineering	1701MA301	Engineering Mathematics III
		1702ME301	Engineering Thermodynamics
		1702ME302	Engineering Materials and Metallurgy
		1702ME303	Fluid Mechanics and Machinery
		1702ME304	Strength of Materials
		1702ME305	Manufacturing Technology – I
		1702ME351	Machine Drawing- I
		1702ME352	Manufacturing Technology Laboratory – I
		1704ME353	Technical Seminar I
		1702ME354	Fluid Mechanics and Machinery Lab
		1704GE351	Life Skills: Soft Skills
		1702MA403	Numerical Methods and Statistics
		1702ME401	Thermal Engineering
		1702ME402	Measurements and Metrology
		1702ME403	Kinematics of Machines
		1702ME404	Design of Machine Elements
		1702ME405	Manufacturing Technology –II
		1702ME451	Thermal Engineering Laboratory
		1702ME452	Manufacturing Technology Laboratory – II
		1704ME453	Technical Seminar II
		1704GE451	Life Skills: Verbal Ability
4	M.E Manufacturing Engineering	1703MF011	Elective III - Rapid Prototyping
		1703MF016	Elective IV - Heat Treatment
		1703EV017	Elective V - Industrial Waste Management
5	B.E-Civil Engineering	1701LE202	Language Elective
		1701GE451	Life Skills: Verbal Ability
		1702CE654	Industrial Visit / Presentation
		1704GE751	Competitive exams Preparation
		1702CE754	In plant Training / Internship Presentation
3	B.E-Electrical and Electronics Engineering	1701MA301	Engineering Mathematics-III
		1704EE453	Technical Seminar II
		1704GE451	Life Skills: Verbal Ability
19	B.E-Electronics and Communication Engineering	1701MA301	Linear Algebra and Partial Differential Equations
		1702CS304	Data Structures and C++
		1702EC301	Network Analysis and Synthesis
		1702EC302	Engineering Electromagnetics
		1702EC303	Digital Circuits and Systems
		1702EC304	Electronics Circuits
		1702EC351	Digital Electronics Laboratory
		1702EC352	Electronic Circuits Laboratory
		1702CS351	Data Structures Laboratory
		1704GE351	Life Skills: Business English
		1701MA403	Probability and Random Processes
		1702EC402	Signals and Systems
		1702EC403	Analog Integrated Circuits
		1702EC404	Microprocessors and Microcontrollers
		1702EC405	Transmission Lines and Waveguides
		1702EC406	Control Systems
1702EC451	Analog Integrated Circuits Laboratory		
1702EC452	Microprocessors and Microcontrollers		

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 Dr. S. RAMABALAN, M.E., Ph.D.
 PRINCIPAL
 E.G.S. Pillay Engineering College,
 Thethi, Nagore - 611 002,
 Nagapattinam (Dt) Tamil Nadu.

			Laboratory
		1704GE451	Life Skills: Verbal Ability
18	B.E-Computer Science and Engineering	1701MA301	Engineering Mathematics III
		1702CS301	Data Structures
		1702CS302	Computer Organization and Architecture
		1702CS303	Software Engineering
		1702CS304	Digital Systems
		1702CS305	Operating Systems
		1702CS351	Data Structures Laboratory
		1702CS352	Operating Systems Laboratory
		1704GE351	Life Skills: Soft Skills
		1701MA401	Probability and Queuing Theory
		1702CS401	Computer Networks
		1702CS402	Programming Paradigms
		1702CS403	Design and Analysis of Algorithms
		1702CS404	Microprocessors and Microcontrollers
		1702CSX02	Database Management Systems
		1702CS451	Networks Laboratory
		1702CSX52	Database Management Systems Laboratory
42	B.Tech -Information Technology	1702IT301	Data Structures and Algorithms
		1702IT302	Digital Principles and Design
		1702IT303	Principles of Communication
		1704GE351	Life Skills: Soft Skills
		1702IT401	Software Engineering and Project Management
		1702IT402	Java Programming
		1702IT403	Internet of Things
		1702IT451	Networks Lab
		1704GE451	Life Skills: Verbal Ability
		1702IT502	Distributed Computing
		1704GE551	Life Skills: Aptitude I
		1704IT552	Technical Seminar
		1703IT004	Theory of Computation
		1703IT005	Software Testing Methods and Tools
		1703IT006	Multicore Programming
		1703IT009	Embedded Systems
		1703IT010	Mainframe Computing
		1702IT604	Wireless Communication
		1704IT651	Mobile Application Development (Mini Project II)
		1704GE651	Life Skills: Aptitude II
		1704IT652	Industrial Visit Presentation
		1703MG002	Principles of Management
		1703IT012	Open Source Programming
		1703IT014	Computer Vision
		1702IT701	Data Analytics
		1702IT702	Security in Computing
		1702IT703	Cloud Infrastructure and Computing
		1703IT015	Information Management
		1704IT751	Software Development (Mini project III)
		1704GE751	Life Skills: Competitive Exam Preparation
		1704IT752	In Plant / Internship Training Presentation
		1703IT016	Data Centre and Virtualization
		1703IT017	Software Configuration Management
		1703IT018	Enterprise Resource Planning
		1703IT020	Robot Programming
		1703IT021	Natural Language Processing
		1703IT022	Service Oriented Architecture
		1703MG003	Human Rights
		1703IT026	Game Programming
		1703MG004	Intellectual Property Rights
		1703IT027	Deep Learning
		1703IT029	Visualization Techniques
		1703CP026	Design And Management of Computer Networks

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

S.S. Pillay Engineering College,
Thothu, Navare - 611 007,
Nagapattinam (Dt) Tamil Nadu.

M.E - Computer Science

	and Engineering	1703CP027	Design And Analysis of Parallel Algorithms
		1703CP028	Research Methodology
3	M.E — Power Electronics and Drives	1703PE018	Elective III- Optimization Techniques
		1703PE001	Elective IV - Recent trends in power conversion Technology
		1703EV020	Elective V-Environmental Engineering and Pollution Control
23	M.E — Communication Systems	1701CO101	Applied Engineering Mathematics
		1702CO102	Advanced Digital Signal Processing
		1702CO103	High Speed Communication Networks
		1702CO104	Advanced Digital Communication
		1702CO105	Wireless Communication Engineering
		1704CO106	Signals Processing and Communication Laboratory
		1704CO107	Wireless Communication Networks Lab
		1704CO108	Communication Skills Laboratory - I
		1702CO201	FPGA Based Communication System Design
		1702CO202	Microwave Integrated Circuits
		1702CO203	Optical Switching and Networking
		1702CO204	Information Theory and Coding
		1704CO205	RF System Design Laboratory
		1704CO206	Technical Seminar
		1704CO207	Communication Skills Laboratory -II
		1702CO301	Electromagnetic Interference and Compatibility in System Design
		1703CO024	Elective IV - Machine Learning Algorithms
		1703CP017	Elective V - Embedded Software Development
		1704CO302	Project Work Phase-I
		1703CO033	Wireless Sensor Networks
1703CO034	Optical Signal Processing		
1703CO035	High Speed Switching Architecture		
1703CO036	Network Engineering and Management		
	M.E — Environmental Engineering	Nil	Nil
4	MBA - Master of Business Administration	1704BA107	Managerial Communication I
		1704BA109	Life Skills I
		1704BA210	Life Skills II
		1703BA009	International Trade Finance
		1703BA014	Entrepreneurship Development
	MCA - Master of Computer Application	Nil	Nil

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