



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

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

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

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2019-20.

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
31	B.E-Mechanical Engineering	1901PH101	Introduction to Mechanics
		1901GEX51	CAD Lab
		1901GEX52	Basic Electrical and Electronics Engineering Lab
		1901HSX51	Communication Skills
		1901GEX03	Programming for Problem Solving
		1901ENX01	English for Engineers
		1901GE201	Engineering Exploration
		1901GE253	Basic Workshop Lab
		1901HSX51	Communication Skill Lab
		1901GE252	Engineering Intelligence – II
		1701MA502	Operations Research
		1702ME501	Heat and Mass Transfer
		1702ME502	Computer Aided Design
		1702ME503	Design of Transmission Systems
		1703ME001	Non - Traditional Machining Processes
		1703ME006	WELDING TECHNOLOGY
		1702ME551	Heat Transfer Laboratory
		1702ME552	Computer Aided Design Laboratory
		1704ME553	Mini Project I (Design and Fabrication)
		1704GE551	Life Skills: Aptitude I
		1701MGX01	Professional Ethics
		1702ME601	Finite Element Analysis
		1702ME602	Gas Dynamics and Jet Propulsion
		1702ME603	Dynamics of Machines
		1703ME007	Process Planning And Cost Estimation
		1703ME026	Safety Engineering
		1702ME651	Dynamics of Machines Laboratory
		1702ME652	Computer Aided Analysis Laboratory
		1704ME653	Mini Project II
		1704ME654	Industrial Visit Presentation
		1704GE651	Life Skills: Aptitude II
	M.E Manufacturing Engineering	nil	nil
17	B.E-Civil Engineering	1901PH101	Introduction to mechanics
		1901GEX02	Engineering Graphics
		1901GEX53	Basic Electrical & Electronics Engineering Lab
		1901GE151	Engineering Intelligence I
		1901GE201	Engineering Exploration
		1901GE252	Engineering Intelligence II
		1901CE405	Biology For Engineers
		1902MCX02	Constitution Of India
		1902CE553	Mini Project
		1902MCX03	Essence of Indian Traditional Knowledge
		1902CE603	Hydrology And Water Resources Engineering
		1902CE604	Global Warming and Climate Change
		1901MGX07	Universal Human Values and Ethics
		1903CE033	Water Pollution and Management
		1901HS002	Intellectual Property Rights for engineers

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		1901HS006	Design Thinking for Innovation
		1904GE751	Life skills - Comprehensive Viva
22	B.E-Electrical and Electronics Engineering	1901MA103	Engineering Mathematics – I (Calculus and Differential Equations)
		1901PH102	Wave, Optics and Electromagnetism
		1901GEX51	CAD Lab
		1901GEX53	Basic Electrical and Electronics Engineering Lab
		1901PHX51	Engineering Physics Lab
		1901GE151	Engineering Intelligence-I
		1901MA203	Engineering Mathematics – II (Linear Algebra, Transform Calculus and Numerical Methods)
		1901ENX01	English for Engineers
		1901GE201	Engineering Exploration
		1901GE252	Engineering Intelligence – II
		1703EE002	ELECTRICAL SAFETY AND MANAGEMENT
		1701GEX51	Programming in C Laboratory
		1701HS251	Physics and Chemistry Laboratory -II
		1704EE552	Mini Project – I
		1704GE551	Life Skills: Aptitude-I
		1701MGX02	Industrial Economics
		1703EE009	Power System Transient
		Elective-VI (Open Elective)	Elective-VI (Open Elective)
		1702EE651	Power Electronics and Drives Laboratory
		1704EE653	Mini Project – II
		1704EE654	Industrial Visit Presentation
		1704GE651	Life Skills: Aptitude – II
50	B.E-Electronics and Communication Engineering	1901MA104	Engineering Mathematics –I (Linear Algebra, Calculus and Partial differentiation)
		1901CH102	Chemistry for Electronic Engineers
		1901GEX03	Programming for Problem Solving
		1901ENX01	English for Engineers
		1901GEX52	Computer Programming Lab
		1901GEX51	Engineering Intelligence I
		1901CHX51	Engineering Chemistry Lab
		1901HS151	Communication Skills
		1901MA204	Engineering Mathematics –II (Calculus, Ordinary Differential Equations and Complex Variable)
		1901PH202	Semiconductor Physics and Optoelectronics
		1901GEX01	Basic Electrical and Electronics Engineering
		1901GEX02	Engineering Graphics
		1901GE201	Engineering Exploration
		1901GE254	Computer Hardware and IT Essentials Lab
		1901GE252	Engineering Intelligence - II
		1901GEX51	CAD Lab
		1901GEX53	Basic Electrical and Electronics Engineering Lab
		1901PHX51	Engineering Physics Lab
		1702EC501	Analog Communication
		1702EC502	Antenna and Wave Propagation
		1702EC503	Digital Signal Processing
		1702EC504	Computer Networks
1702EC551	Analog Communication Laboratory		
1702EC552	Digital Signal Processing Laboratory		
1703EC501	Nano Electronics		
1703EC502	Automotive Electronics		
1703EC503	Micro Electronics		
1703EC504	Biomedical Engineering		

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		1703EC505	Robotic Vision
		1703EC506	Computer Architecture and Organization
		1703EC507	Advanced Microcontrollers
		1703EC508	Measurement and Instrumentation
		1703EC509	Virtual Instrumentation
		1702CSX01	Operating Systems
		1701MGX01	Professional Ethics
		1702EC601	VLSI Design
		1702EC602	Digital Communication
		1702EC603	Wireless Networks and Standards
		1702EC651	VLSI Design Laboratory
		1702EC652	Communication and Networks Laboratory
		1703EC601	Information Theory and Coding
		1703EC602	Digital Control Engineering
		1703EC603	Network Security
		1703EC604	Real Time Operating Systems
		1703EC605	Soft Computing
		1703EC813	Cloud Computing
		1703EC814	Internet of Things (IoT)
		1703EC815	Big Data Analytics
		1703EC816	Introduction to Web Technology
		1703EC817	Grid Computing
		1901MA102	Engineering Mathematics –I
		1901ENX01	English for Engineers
		1901GE151	Engineering Intelligence I
		1901MA202	Engineering Mathematics –II
		1901PH201	Physics for Information Science
		1901GEX02	Engineering Graphics
		1901GE201	Engineering Exploration
		1901GE254	Computer Hardware and IT Essentials Lab
		1901GE252	Engineering Intelligence - II
		1901GEX51	CAD Lab
		1901GEX53	Basic Electrical and Electronics Engineering Lab
		1701MA501	Discrete Mathematics
		1702CS501	Object Oriented Analysis and Design
		1702CS502	Theory of Computation
		1702CS503	Computer Graphics and Multimedia
		1703CS002	Software Testing (Elective I)
		1703CS006	Mobile Computing (Elective II)
		1702CS551	Computer Graphics and Multimedia Laboratory
		1704CS552	CASE Tools Laboratory
		1704CS553	Technical Seminar
		1704GE551	Life Skills: Aptitude-I
		1701MGX01	Professional Ethics
		1702CS601	Web Technology
		1702CS602	Artificial Intelligence
		1702CS603	Distributed Systems
		1703CS012/ 1703MG008	Data Warehousing and Data Mining/Human Rights
		1702CS651	Web Technology Laboratory
		1704CS652	Mobile Application Development Laboratory
		1704CS653	Industrial Visit Presentation
		1704GE651	Life Skills: Aptitude-II
		1901MA102	Engineering Mathematics – i (calculus and linear algebra)
		1901CH101	Applied Chemistry in Informatics
		1901ENX01	English for Engineers
		1901GE151	Engineering Intelligence 1
		1901MA202	Engineering Mathematics –II
		1901PH201	Physics for Information Science
		1901GE201	Engineering Exploration
		1901GE254	Computer Hardware and IT Essentials Lab
		1901GE252	Engineering Intelligence - II
		1901GEX51	CAD Lab
30	B.E-Computer Science and Engineering		
11	B.Tech - Information Technology		

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		1901GEX53	Basic Electrical and Electronics Engineering Lab
	M.E - Computer Science and Engineering	Nil	Nil
	M.E — Power Electronics and Drives	Nil	Nil
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
5	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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