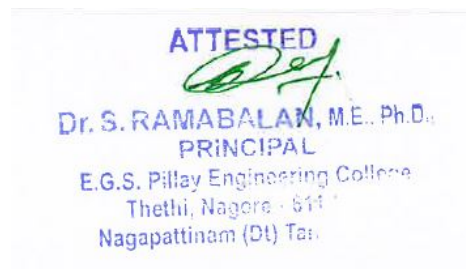


E.G.S. PILLAY ENGINEERING COLLEGE

(Autonomous)

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NAGAPATTINAM – 611 002



M.E. POWER ELECTRONICS AND DRIVES

Full Time Curriculum and Syllabus

First Year – First Semester

Course Code	Course Name	L	T	P	C	Maximum Marks		
						CA	ES	Total
Theory Course								
1701PE101	Applied Mathematics for Electrical Engineers	2	2	0	3	40	60	100
1702PE102	Power Semiconductor Devices and Recent Advancements	3	0	0	3	40	60	100
1702PE103	Analysis of Power Converters	3	2	0	4	40	60	100
1702PE104	Analysis of Inverters	3	2	0	4	40	60	100
1702PE105	Modelling and Analysis of Electrical Machines	3	2	0	4	40	60	100
	Elective-I	3	0	0	3	40	60	100
Laboratory Course								
1704PE106	Power Electronic Circuits Laboratory	0	0	2	1	50	50	100
1704PE107	Power Electronics Simulation Laboratory	0	0	2	1	50	50	100
1704PE108	Communication Skills Lab I	0	0	2	1	100	0	100

L – Lecture | T – Tutorial | P – Practical | C – Credit | CA – Continuous Assessment | ES – End Semester

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ATTESTED

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

M.E. POWER ELECTRONICS AND DRIVES

Full Time Curriculum and Syllabus

First Year – Second Semester

Course Code	Course Name	L	T	P	C	Maximum Marks			
						CA	ES	Total	
Theory Course									
1701PE201	Research Methodology	3	0	0	3	40	60	100	
1702PE202	Solid State DC Drives	3	0	0	3	40	60	100	
1702PE203	Solid State AC Drives	3	0	0	3	40	60	100	
1702PE204	Power Quality Issues and Solutions	3	0	0	3	40	60	100	
1702PE205	Modelling and Design of SMPS	3	0	0	3	40	60	100	
	Elective-II	3	0	0	3	40	60	100	
Laboratory Course									
1704PE206	Electrical Drives Laboratory	0	0	2	1	50	50	100	
1704PE207	Technical Seminar	0	0	2	1	100	0	100	
1704PE208	Communication Skills Lab II	0	0	2	1	100	0	100	

L – Lecture | T – Tutorial | P – Practical | C – Credit | CA – Continuous Assessment | ES – End Semester

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M.E. POWER ELECTRONICS AND DRIVES

Full Time Curriculum and Syllabus

Second Year – Third Semester

Course Code	Course Name	L	T	P	C	Maximum Marks		
						CA	ES	Total
Theory Course								
	Elective III	3	0	0	3	40	60	100
	Elective IV	3	0	0	3	40	60	100
	Elective V	3	0	0	3	40	60	100
Laboratory Course								
1704PE301	Project Work Phase-I	0	0	12	6	50	50	100

L – Lecture | T – Tutorial | P – Practical | C – Credit | CA – Continuous Assessment | ES – End Semester

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M.E. POWER ELECTRONICS AND DRIVES

Full Time Curriculum and Syllabus

Second Year – Fourth Semester

Course Code	Course Name	L	T	P	C	Maximum Marks			
						CA	ES	Total	
Laboratory Course									
1704PE401	Project Work Phase-II	0	0	24	12	50	50	100	

L – Lecture | T – Tutorial | P – Practical | C – Credit | CA – Continuous Assessment | ES – End Semester

ATTESTED

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