



**E.G.S. PILLAY ENGINEERING COLLEGE**  
(An Autonomous Institution, Affiliated to Anna University, Chennai)  
Nagore Post, Nagapattinam – 611 002, Tamilnadu.

## M.E. Manufacturing Engineering

**1.1.3** Average Percentage of courses focusing on Employability/ Entrepreneurship / Skill Development

Sl.no	Name of the course	Course code	Activities /content with direct bearing on Employability	Activities /content with direct bearing on Entrepreneurship	Activities /content with direct bearing on skill Development	Year of introduction
1.	Advanced Optimization Techniques	1701MF10 1	✓			2017-2018
2.	Polymers and Composite Materials	1702MF10 2	✓	✓		2017-2018
3.	Materials Testing and Mechanical Characterization	1702MF10 3	✓	✓		2017-2018
4.	Industrial Automation and Mechatronics	1702MF10 4	✓			2017-2018
5.	Robot Design and Programming	1702MF10 5	✓			2017-2018
6.	Micro electrical mechanical systems and Nano technology	1703MF00 3	✓			2017-2018
7.	CAD /CAM LAB	1704MF10 6	✓	✓		2017-2018
8.	Industrial automation lab and mechatronics lab	1704MF10 7	✓	✓		2017-2018
9.	Communication Skills Lab I	1704MF10 8			✓	2017-2018

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

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10.	Advanced Machining Technology	1701MF20 1	✓				2017-2018
11.	Flexible Tooling and Automated Inspection	1702MF20 2	✓				2017-2018
12.	Theory of Metal Forming	1702MF20 3	✓				2017-2018
13.	Advances in Casting and Welding	1702MF20 4	✓				2017-2018
14.	Precision Machining	1702MF20 5	✓				2017-2018
15.	Flexible Manufacturing Systems	1703MF00 2	✓				2017-2018
16.	Metal Forming Lab	1704MF20 6	✓				2017-2018
17.	Technical Seminar	1704MF20 7				✓	2017-2018
18.	Communication Skills Lab II	1704MF20 8				✓	2017-2018
19.	Fluid Power Automation	MN8005	✓				2013-2014
20.	Non Destructive Evaluation	MN8073	✓				2013-2014
21.	METAL CUTTING THEORY AND PRACTICE	MN8010	✓				2013-2014
22.	Project Work Phase I	MN8311	✓	✓		✓	2013-2014
23.	Project Work Phase II	MN8411	✓	✓		✓	2013-2014

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### 1.1.3 Average Percentage of courses focusing on Employability/ Entrepreneurship / Skill Development

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1.	Advanced Optimization Techniques	1701MF101	✓			2017-2018
2.	Polymers and Composite Materials	1702MF102	✓	✓		2017-2018
3.	Materials Testing and Mechanical Characterization	1702MF103	✓	✓		2017-2018
4.	Industrial Automation and Mechatronics	1702MF104	✓			2017-2018
5.	Robot Design and Programming	1702MF105	✓			2017-2018
6.	Micro electrical mechanical systems and Nano technology	1703MF003	✓			2017-2018
7.	CAD /CAM LAB	1704MF106	✓	✓		2017-2018
8.	Industrial automation lab and mechatronics lab	1704MF107	✓	✓		2017-2018
9.	Communication Skills Lab I	1704MF108			✓	2017-2018
10.	Advanced Machining Technology	1701MF201	✓			2017-2018
11.	Flexible Tooling and Automated Inspection	1702MF202	✓			2017-2018

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

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Thattai Nagore - 611 002,  
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12	Theory of Metal Forming	1702MF203	✓				2017-2018
13	Advances in Casting and Welding	1702MF204	✓				2017-2018
14	Precision Machining	1702MF205	✓				2017-2018
15	Flexible Manufacturing Systems	1703MF002	✓				2017-2018
16	Metal Forming Lab	1704MF206	✓				2017-2018
17	Technical Seminar	1704MF207				✓	2017-2018
18	Communication Skills Lab II	1704MF208				✓	2017-2018
19	Rapid Prototyping	1703MF011	✓				2017-2018
20	Heat Treatment	1703MF016	✓				2017-2018
21	Industrial Waste Management	1703EV017	✓				2017-2018
22	Project Work Phase-I	1704MF301	✓	✓		✓	2017-2018
23	Project Work (Phase II)	1704MF401	✓	✓		✓	2017 2018

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1.	Advanced Optimization Techniques	1701MF101	✓			2017-2018
2.	Polymers and Composite Materials	1702MF102	✓	✓		2017-2018
3.	Materials Testing and Mechanical Characterization	1702MF103	✓	✓		2017-2018
4.	Industrial Automation and Mechatronics	1702MF104	✓			2017-2018
5.	Robot Design and Programming	1702MF105	✓			2017-2018
6.	Micro electrical mechanical systems and Nano technology	1703MF003	✓			2017-2018
7.	CAD /CAM LAB	1704MF106	✓	✓		2017-2018
8.	Industrial automation lab and mechatronics lab	1704MF107	✓	✓		2017-2018
9.	Communication Skills Lab I	1704MF108			✓	2017-2018
10	Advanced Machining Technology	1701MF201	✓			2017-2018
11	Flexible Tooling and Automated Inspection	1702MF202	✓			2017-2018

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12	Theory of Metal Forming	1702MF203	✓				2017-2018
13	Advances in Casting and Welding	1702MF204	✓				2017-2018
14	Precision Machining	1702MF205	✓				2017-2018
15	Flexible Manufacturing Systems	1703MF002	✓				2017-2018
16	Metal Forming Lab	1704MF206	✓				2017-2018
17	Technical Seminar	1704MF207				✓	2017-2018
18	Communication Skills Lab II	1704MF208				✓	2017-2018
19	Rapid Prototyping	1703MF011	✓				2017-2018
20	Heat Treatment	1703MF016	✓				2017-2018
21	Industrial Waste Management	1703EV017	✓				2017-2018
22	Project Work Phase-I	1704MF301	✓	✓		✓	2017-2018
23	Project Work (Phase II)	1704MF401	✓	✓		✓	2017-2018

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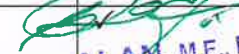
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1.	Advanced Optimization Techniques	1701MF101	✓			2017-2018
2.	Polymers and Composite Materials	1702MF102	✓	✓		2017-2018
3.	Materials Testing and Mechanical Characterization	1702MF103	✓	✓		2017-2018
4.	Industrial Automation and Mechatronics	1702MF104	✓			2017-2018
5.	Robot Design and Programming	1702MF105	✓			2017-2018
6.	Micro electrical mechanical systems and Nano technology	1703MF003	✓			2017-2018
7.	CAD /CAM LAB	1704MF106	✓	✓		2017-2018
8.	Industrial automation lab and mechatronics lab	1704MF107	✓	✓		2017-2018
9.	Communication Skills Lab I	1704MF108				2017-2018
10.	Advanced Machining Technology	1701MF201	✓			2017-2018
11.	Flexible Tooling and Automated Inspection	1702MF202	✓			2017-2018

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12	Theory of Metal Forming	1702MF203	✓				2017-2018
13	Advances in Casting and Welding	1702MF204	✓				2017-2018
14	Precision Machining	1702MF205	✓				2017-2018
15	Flexible Manufacturing Systems	1703MF002	✓				2017-2018
16	Metal Forming Lab	1704MF206	✓				2017-2018
17	Technical Seminar	1704MF207				✓	2017-2018
18	Communication Skills Lab II	1704MF208				✓	2017-2018
19	Rapid Prototyping	1703MF011	✓				2017-2018
20	Heat Treatment	1703MF016	✓				2017-2018
21	Industrial Waste Management	1703EV017	✓				2017-2018
22	Project Work Phase-I	1704MF301	✓	✓		✓	2017-2018
23	Project Work (Phase II)	1704MF401	✓	✓		✓	2017-2018

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1.	Probability and Statistics in Manufacturing	2101MF101	✓			2021-2022
2.	Modern Manufacturing Processes	2102MF102	✓			2021-2022
3.	Theory of Metal Forming	2103MF001	✓			2021-2022
4.	Advanced Welding Technology	2103MF007	✓	✓		2021-2022
5.	Research Methodology and IPR	2101RMX01	✓		✓	2021-2022
6.	Audit Courses- English For Research Paper Writing	2101AU001			✓	2021-2022
7.	Computer Aided Manufacturing Lab	2102MF103	✓	✓		2021-2022
8.	Metal Forming and Metal Testing Laboratory	2102MF104	✓			2021-2022
9.	Industrial Automation and Mechatronics	2102MF201	✓			2021-2022
10	Robot Design and Programming	2102MF202	✓			2021-2022

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11	Materials Technology	2102MF203	✓				2021-2022
12	Program Elective – III(Production and Operations Management)	2103MF012	✓				2021-2022
13	Program Elective – IV(Processing of Polymers And Composites)	2103MF013	✓				2021-2022
14	Audit Course – II(DISASTER MANAGEMENT)	2101AU002	✓				2021-2022
15	Industrial Automation and Mechatronics Laboratory	2102MF204	✓				2021-2022
16	Modeling and Simulation Laboratory	2102MF205	✓				2021-2022
17	MINI PROJECT WITH SEMINAR	2104MF206	✓	✓		✓	2021-2022
18	Elective III - Rapid Prototyping	1703MF011	✓				2017-2018
19	Elective IV - Heat Treatment	1703MF016	✓				2017-2018
20	Elective V - Industrial Waste Management	1703EV017	✓				2017-2018
21	Project Work Phase-I	1704MF301	✓	✓			2017-2018
22	Project Work (Phase II)	1704MF401	✓	✓			2017-2018

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