

JALPAIGURI GOVERNMENT ENGINEERING COLLEGE

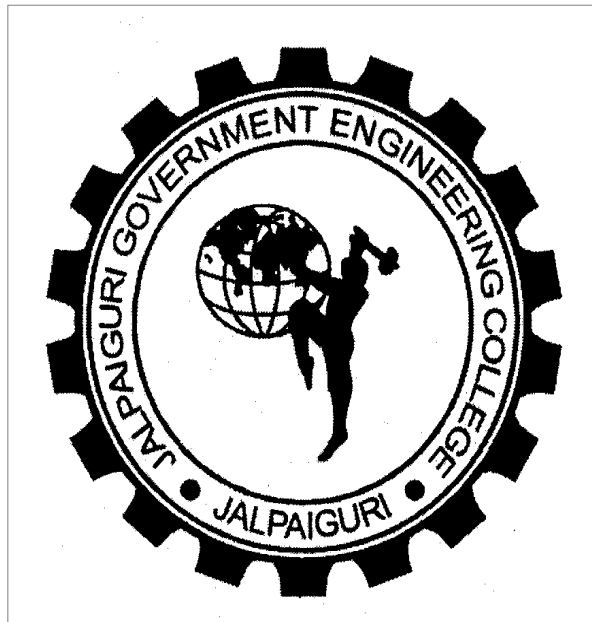
JALPAIGURI- 735 102

(AN AUTONOMOUS GOVERNMENT COLLEGE)

**COURSE STRUCTURE AND SYLLABUS
FOR**

M.TECH. IN MECHANICAL ENGINEERING

(Implemented from the Academic Year 2013-14 -for the new batch only)



www.jgec.ac.in

**Phone: 03561 – 255131 (Principal), Fax: 03561 – 256143
255465 (EPABX)- 105(EE)**

Code	Sub.	Contact Hrs./Week		Code	Sub.	Contact Hrs./Week	
		L-T-P-TO	Cr.			L-T-P-TO	Cr.
MM(ME)-101	Advanced engineering Mathematics	3-1-0-4	4	PTM-201	Automation in Manufacturing system & Process	4-0-0-4	4
PTM-101	Production Management	4-0-0-4	4	PTM-202	Non Traditional machining Processes	4-0-0-4	4
PTM-102	Production planning & Control	4-0-0-4	4	PTM-203	Quality assessment & Control	4-0-0-4	4
PTM-103	Theory of Machining	4-0-0-4	4	PTM-204	Elective-II	4-0-0-4	4
PTM-104	Elective -I	4-0-0-4	4	PTM-205	Elective - III	4-0-0-4	4
PTM-191	Computer Aided design Lab.	0-0-4-4	2	PTM-281	Seminar – II	0-0-2-2	1
PTM-192	Computer Aided Manufacturing Lab.	0-0-4-4	2	PTM-291	Manufacturing System& Process Lab.	0-0-4-4	2
PTM-181	Seminar- I	0-0-2-2	1	PTM-282	Comprehensive Exam (Viva-Voce)	0-0-0-0	4
		19-01-10-30	25			20-00-06-26	27
PTM-381	Pre-Submission Defense of dissertation	0-0-0-0	4	PTM-481	Dissertation (Completion)	0-0-24-24	18
PTM-382	Dissertation (Progress)	0-0-24-24	18	PTM-482	Post submission Defense of Dissertation	0-0-0-0	6
		0-0-24-24	22			0-0-24-24	24

List of Elective Subjects

PTM-104: Elective-I:a.Operations Research b. Management Information system c. Production Planning & Material Management

PEM-204- Elective-II: a. Robot Application & Design b. Computer Aided Design & Manufacturing c. Industrial Tribology

PEM-205- Elective-III: a. Energy Management & Audit b. Supply Chain Management