



GOVERNMENT POLYTECHNIC COLLEGE, PERUMBAVOOR
MAJOR PROJECT INTERIM EVALUATION RUBRICS (SPECTRA)

CO	DESCRIPTION	LEVEL
CO1	Apply housekeeping standards as part of lean manufacturing for workplace maintenance.	Applying
CO2	Plan procedures for maintenance and preventive maintenance of equipment, tools, machineries, etc.	Applying
CO3	Choose methods for calibration of measuring and test equipment.	Analyzing
CO4	Employ skills acquired to solve problems of social significance or to simplifying day to day tasks. 1	Understanding

CO-PO MAPPING

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	3		3			3	3
CO2	3				3		
CO3	3						
CO4					3		3

Program Outcomes (POs)

1. **Basic and Discipline specific knowledge:** Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.
2. **Problem analysis:** Identify and analyse well-defined engineering problems using codified standard methods.
3. **Design/ development of solutions:** Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.
4. **Engineering Tools, Experimentation and Testing:** Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.
5. **Engineering practices for society, sustainability, and environment:** Apply appropriate technology in context of society, sustainability, environment and ethical practices.
6. **Project Management:** Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.
7. **Life-long learning:** Ability to analyse individual needs and engage in updating in the context of technological changes.

CO	DESCRIPTION	LEVEL
CO1	Employ skills acquired to solve problems of social significance or to simplifying day to day tasks. 1 PO5 and PO7.	Applying
Evaluation Parameter (EP)		
<p>EP1: Involvement in Spectra 24. (PO7)</p> <ol style="list-style-type: none"> 1. The student is absent for one or more sessions (0 mark) 2. The student is present for all sessions (1 mark). 		
<p>EP2: Ability for self learning. (PO7)</p> <ol style="list-style-type: none"> 1. The student is not attentive or creating disturbance during the program (0 mark) 2. The student is actively listening to sessions (1 mark). 		
<p>EP3: Ability to respond positively to opputunities. (PO7)</p> <ol style="list-style-type: none"> 1. No questions asked during question and answer sessions or questions asked are not sensible or irrelevant. (0 mark) 2. The student had asked at least one question related with the discussion. (1 mark). 		