Discipline: **MECHANICAL ENGG**	Semester: **4TH**	Name of the Teaching Faculty: BALLA PAWANI
Subject: **MECHANICAL Engineering Lab-2**	No. ofdays/per week classallotted: **4**	SemesterFromdate: 14/02/23 ToDate: 25/05/23 No.of Weeks: 15

Week	Class Day	Theory/Practical Topics
1ST	1ST	Study of 2-S, 4-S petrol & diesel engine
	2ND	Study of 2-S, 4-S petrol & diesel engine
	3RD	Study of 2-S, 4-S petrol & diesel engine
	4TH	Study of 2-S, 4-S petrol & diesel engine
2ND	1ST	Study of 2-S, 4-S petrol & diesel engine
	2ND	Study of 2-S, 4-S petrol & diesel engine
	3RD	Determine the brake thermal efficiency of single cylinder petrol engine.
	4TH	**Determine the brake thermal efficiency of single cylinder petrol engine.**
3RD	1ST	Determine the brake thermal efficiency of single cylinder petrol engine.
	2ND	Determine the brake thermal efficiency of single cylinder petrol engine.
	3RD	Determine the brake thermal efficiency of single cylinder petrol engine.
	4TH	Determine the brake thermal efficiency of single cylinder petrol engine.
4TH	1ST	Determine the brake thermal efficiency of single cylinder diesel engine.
	2ND	Determine the brake thermal efficiency of single cylinder diesel engine.
	3RD	Determine the brake thermal efficiency of single cylinder diesel engine.
	4TH	Determine the brake thermal efficiency of single cylinder diesel engine.
5TH	1ST	Determine the brake thermal efficiency of single cylinder diesel engine.
	2ND	Determine the brake thermal efficiency of single cylinder diesel engine.
	3RD	Determine the B.H.P, I.H.P BSFC of a multi cylinder engine by Morse test.
	4TH	Determine the B.H.P, I.H.P BSFC of a multi cylinder engine by Morse test.
6TH	1ST	Determine the B.H.P, I.H.P BSFC of a multi cylinder engine by Morse test.
	2ND	Determine the B.H.P, I.H.P BSFC of a multi cylinder engine by Morse test.
	3RD	Determine the B.H.P, I.H.P BSFC of a multi cylinder engine by Morse test.
	4TH	**Determine the B.H.P, I.H.P BSFC of a multi cylinder engine by Morse test.**
7TH	1ST	Determine the mechanical efficiency of an air Compressor.
	2ND	Determine the mechanical efficiency of an air Compressor.
	3RD	Determine the mechanical efficiency of an air Compressor.
	4TH	Determine the mechanical efficiency of an air Compressor.
8TH	1ST	Determine the mechanical efficiency of an air Compressor.
	2ND	Determine the mechanical efficiency of an air Compressor.
	3RD	Study of pressure measuring devices (manometer, Bourdon tube pressure gauge)
	4TH	Study of pressure measuring devices (manometer, Bourdon tube pressure gauge)

9TH	1ST	Study of pressure measuring devices (manometer, Bourdon tube pressure gauge)
	2ND	Study of pressure measuring devices (manometer, Bourdon tube pressure gauge)
	3RD	Study of pressure measuring devices (manometer, Bourdon tube pressure gauge)
	4TH	**Study of pressure measuring devices (manometer, Bourdon tube pressure gauge)**
10TH	1ST	Verification of Bernoulli's theorem
	2ND	Verification of Bernoulli's theorem
	3RD	Verification of Bernoulli's theorem
	4TH	Verification of Bernoulli's theorem
11TH	1ST	Verification of Bernoulli's theorem
	2ND	Verification of Bernoulli's theorem
	3RD	**Determination of Cd from venturimeter**
	4TH	Determination of Cd from venturimeter
12TH	1ST	Determination of Cd from venturimeter
	2ND	Determination of Cd from venturimeter
	3RD	Determination of Cd from venturimeter
	4TH	Determination of Cd from venturimeter
13TH	1ST	Determination of Cc, Cv, Cd from orifice meter
	2ND	Determination of Cc, Cv, Cd from orifice meter
	3RD	Determination of Cc, Cv, Cd from orifice meter
	4TH	**Determination of Cc, Cv, Cd from orifice meter**
14TH	1ST	Determination of Cc, Cv, Cd from orifice meter
	2ND	Determination of Cc, Cv, Cd from orifice meter
	3RD	Determine of Darcy's coefficient from flow through pipe
	4TH	Determine of Darcy's coefficient from flow through pipe
15TH	1ST	Determine of Darcy's coefficient from flow through pipe
	2ND	Determine of Darcy's coefficient from flow through pipe
	3RD	Determine of Darcy's coefficient from flow through pipe
	4TH	Determine of Darcy's coefficient from flow through pipe

Signature of The Faculty

Signature of The HOD

Signature of The Academic Coordinator

Signature of The Principal