

Centre for Energy Studies

Energy Laboratories ESP 713 (3credits 0-0-6)

List of M. Tech. Energy Studies Laboratory Experiments (Morning Batch)

Cycle II 2 p.m. to 5.00 p.m. on Mondays and Thursdays

Introduction will be in the V 320

Introduction & Lab Visit

March 12th 2018, Monday

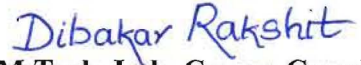
Prof. Ashu Verma	2:15 PM to 2:45 PM
Prof. S.K. Tyagi	2:45 PM to 3:00 PM
Prof. Viresh Dutta	3:00 PM to 3:30 PM
Prof. R. Narayanan	3:30 PM to 3:45 PM
Prof. Dibakar Rakshit	3:45 PM to 4:15 PM
Prof. K. Ravi Kumar	4:15 PM to 4:45 PM

S. No.	Name of Experiments	Faculty & Room No.	Technical Staff Lab. No.
1.	Heat pipe heat exchanger and its efficiency	Prof. S. K. Tyagi (V-414)	Mr. Rupinder Pal Singh WS-206 (Extn: 6465)
2.	Performance study of heat pump system		Mr. Saket Verma WS-207 (Extn: 6465)
3.	Determination of light pipe efficiency under sunny sky conditions. Study of internal illumination distribution with a light-pipe in a test room.	Prof. Dibakar Rakshit (V-348)	Mr. Abdus Salam Azad Ms. Sana Fatima Ali WS-105 (Extn: 6488)
4.	Photovoltaic-Roof Top on Synergy Building	Prof. V. Dutta (V-337)	Mr. Naresh Gosain Mr. Kuldeep kumar PV Lab (V-350) (Ph: 8448209839)
5.	Study of power factor efficiency and THD in a single phase transformer	Prof. Ashu Verma Prof. T. S. Bhatti (V-336)	Mr. Rahul Virmani (V-151) (Extn: 6462) (Ph: 9999537617)
6.	Draw the characteristics of induction generation based wind energy conversion system		Mr. Suamya das (V-151) (Extn:6462) (Ph: 7053917852)
7.	Study of plasma parameters using a single langmuir probe	Prof. Ramesh Narayanan (V-350A)	Ms. Anshu Verma Ms. Shweta Sharma M. Tech. Lab (V-412 A) (Extn: 6531)
8.	Determination of first figure of merit (F_1) of a box type solar cooker	Prof. K Ravi Kumar (V-413)	Mr. L.D. Kala Mr. Dhani Singh
9.	Determination of second figure of merit (F_2) of a box type solar cooker		Mr. Anish Malan Mr. Ram Kumar Pal
10.	Determination of heat loss factor of a cooking pot (used with paraboloid solar concentrator)		M. Tech. Lab (V-412 A) (Extn: 6413)

- (i) The laboratory schedule for doing experiments will be circulated during the presentation.
- (ii) Viva-voce/ Quizzes of all the experiments will be intimated by respective faculties.



Head, CES, IIT Delhi



M.Tech. Lab. Course Coordinator

Centre for Energy Studies

Course Code: ESP-713

Course Description: ENERGY LABORATORY Slot: P

S.No	Entry ID	Name	15/03/2018 (2 30 pm to 5 pm)	19/03/2018 (2 30 pm to 5 pm)	22/03/2018 (2 30 pm to 5 pm)	02/04/2018 (2 30 pm to 5 pm)	05/04/2018 (2 30 pm to 5 pm)	09/04/2018 (2 30 pm to 5 pm)	12/04/2018 (2 30 pm to 5 pm)	16/04/2018 (2 30 pm to 5 pm)	19/04/2018 (2 30 pm to 5 pm)	23/04/2018 (2 30 pm to 5 pm)
			Experiment Schedule									
1	2017JES2167	MOHIT SINGH CHAUDHARY	1	3	4	5	8	2	6	7	9	10
2	2017JES2168	SUBHASH	1	3	4	5	8	2	6	7	9	10
3	2017JES2169	PRERNA	1	3	4	5	8	2	6	7	9	10
4	2017JES2170	DIKSHA KUMARI	3	4	5	8	1	6	7	9	10	2
5	2017JES2171	AMIT KUMAR KUSHWAHA	3	4	5	8	1	6	7	9	10	2
6	2017JES2173	ANURAG CHANDELIA	3	4	5	8	1	6	7	9	10	2
7	2017JES2174	ASHIMA VERMA	4	5	8	1	3	7	9	10	2	6
8	2017JES2178	HIMANSHU SINGH	4	5	8	1	3	7	9	10	2	6
9	2017JES2180	ABHISHEK PALI	4	5	8	1	3	7	9	10	2	6
10	2017JES2181	EVANEET KAUR	5	8	1	3	4	9	10	2	6	7
11	2017JES2182	AMIT SINGH	5	8	1	3	4	9	10	2	6	7
12	2017JES2183	ASHISH KUMAR	5	8	1	3	4	9	10	2	6	7
13	2017JES2629	JAY OJHA	8	1	3	4	5	10	2	6	7	9
14	2017JES2630	YUGAL KISHOR	8	1	3	4	5	10	2	6	7	9