A brief report on training module of Analog Electronics Lab.

(During 4th to 12th January 2020)

Day -1 (04/01/2021)/ Analog Electronics Lab/ 3EE4-21:

- Introduction to the schedule of the training module and explanation of **Experiment No. 1** ***(Plot gain-frequency characteristics of BJT amplifier with and without negative feedback in the emitter circuit and determine bandwidths, gain bandwidth products and gains at 1 kHz with and without negative feedback.).***
- Experiment No. 1 is performed by all the attendees in the presence of Mr. Prem Prakash Sharma and other Instructors.
- Calculations done as per the lab manuals and checked by instructors.

Day -2 (05/01/2021)/ Analog Electronics Lab/ 3EE4-21:

- Explanation of **Experiment No. 2** ***(Study of series and shunt voltage regulators and measurement of line and load regulation and ripple factor.)***
- Experiment No. 2 is performed by all the attendees in the presence of Mr. Prem Prakash Sharma and other Instructors.
- Calculations done as per the lab manuals and checked by instructors.

Day -3 (06/01/2021)/ Analog Electronics Lab/ 3EE4-21:

- Explanation of **Experiment No. 3** ***(Plot and study the characteristics of small signal amplifier using FET.).***
- Experiment No. 3, performed by all the attendees in the presence of Mr. Prem Prakash Sharma and other Instructors.
- Calculations done as per the lab manuals and checked by instructors.

Day -4 (07/01/2021)/ Analog Electronics Lab/ 3EE4-21:

- Explanation of **Experiment No. 4** ***(Study of push pull amplifier. Measure variation of output power & distortion with load.).***
- Experiment No. 4, performed by all the attendees in the presence of Mr. Prem Prakash Sharma and other Instructors.
- Calculations done as per the lab manuals and checked by instructors.

Day -5 (08/01/2021)/ Analog Electronics Lab/ 3EE4-21:

- Explanation of **Experiment No. 5** ***(Study Wein bridge oscillator and observe the effect of variation in R & C on oscillator frequency.).***

- Experiment No. 5, performed by all the attendees in the presence of Mr. Prem Prakash Sharma and other Instructors.
- Calculations done as per the lab manuals and checked by instructors.

Day -6 (09/01/2021)/ Analog Electronics Lab/ 3EE4-21:

- Explanation of **Experiment No. 6** ***(Study transistor phase shift oscillator and observe the effect of variation in R & C on oscillator frequency and compare with theoretical value.).***
- Experiment No. 6, performed by all the attendees in the presence of Mr. Prem Prakash Sharma and other Instructors.
- Calculations done as per the lab manuals and checked by instructors.

Day -7 (11/01/2021)/ Analog Electronics Lab/ 3EE4-21:

- Explanation of **Experiment No. 7** ***(To study conversion of three-phase supply to two-phase supply using Scott Connection and To perform Hopkinson's test on two similar DC shunt machines and hence obtain their efficiencies at various loads).***
- Experiment No. 7, performed by all the attendees in the presence of Mr. Prem Prakash Sharma and other Instructors.
- Calculations done as per the lab manuals and checked by instructors.

Day -8 (12/01/2021)/ Analog Electronics Lab/ 3EE4-21:

- Explanation of ***Experiment No. 8(Study the following oscillators and observe the effect of variation of C on oscillator frequency: (a) Hartley (b) Colpitts.)***
- Experiment No. 8 is performed by all the attendees in the presence of Mr. Prem Prakash Sharma and other Instructors.
- Calculations done as per the lab manuals and checked by instructors.

Faculty members: Mr. Jinendra Rahul, Mr. Md. Yusuf Sharif and Mr. Jitendra Singh

Technical staff: Mr. Premprakash Sharma

Attendance sheet:

Date →		**04/01**	**05/01**	**06/01**	**07/01**	**08/01**	**09/01**	**11/01**	**12/01**
S. No.	**Name of Trainee**	**(9-11) am**	**(9-11) am**	**(9-11) am**	**(9-11) am**	**(9-11) am**	**(9-11) am**	**(9-11) am**	**(9-11) am**
1	**Mr. Mahesh Kr. Rathodiya**	P	P	P	P	P	P	P	P
2	**Mrs. Reshma Sharma**	P	P	P	P	P	P	P	P
3	**Mr. Bansi Lal**	P	P	P	P	P	A	P	P
4	**Mr. Kulwant Singh**	P	P	P	A	P	P	P	P
5	**Mrs. Anita Bagaria**	P	P	P	P	P	P	P	P

Some Images of training programe: