

## LESSON PLAN

| Period | Date Tentative | Topic                                 | Unit No | Teaching Methodology | Remarks | Corrective Action Upon Review |
|--------|----------------|---------------------------------------|---------|----------------------|---------|-------------------------------|
| 1      | 25/08/14       | Integrated circuits                   | I       | B.D                  |         |                               |
| 2      | 26/08/14       | Differential amplifier                |         | "                    |         |                               |
| 3      | 27/08/14       | DC and AC analysis                    |         | "                    |         |                               |
| 4      | 28/08/14       | DTB O/P configuration                 |         | "                    |         |                               |
| 5      | 1/9/14         | DLU O/P configuration                 |         | "                    |         |                               |
| 6      | 2/9/14         | DC coupling                           |         | "                    |         |                               |
| 7      | 3/9/14         | Cascade Differential amplifier stages |         | "                    |         |                               |
| 8      | 4/9/14         | Level translator                      |         | "                    |         |                               |
| 9      | 5/9/14         | Characteristics of op-Amps            | II      | "                    |         |                               |
| 10     | 8/9/14         | Integrated circuits types             |         | "                    |         |                               |
| 11     | 9/9/14         | classification, Package types         |         | "                    |         |                               |
| 12     | 10/9/14        | op-amp Block diagram                  |         | "                    |         |                               |
| 13     | 11/9/14        | Ideal and practical op amp.           |         | "                    |         |                               |
| 14     | 12/9/14        | DC and AC characteristics             |         | "                    |         |                               |
| 15     | 15/9/14        | 741 op-amp                            |         | "                    |         |                               |
| 16     | 16/9/14        | op-amp parameters and measurements    |         | "                    |         |                               |
| 17     | 17/9/14        | Slew rate, CMRR, PSRR, F.C. technique |         | "                    |         |                               |
| 18     | 18/9/14        | Linear Applications                   | III     | "                    |         |                               |
| 19     | 19/9/14        | of op-amp.                            |         | "                    |         |                               |
| 20     | 22/9/14        | Inverting amplifier                   |         | "                    |         |                               |

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| 21     | 23/9/14        | Non Inverting                        |         | "                    |
| 22     | 24/9/14        | Integrator                           |         | "                    |
| 23     | 25/9/14        | Differentiator                       |         | "                    |
| 24     | 26/9/14        | Instrument amplifier                 |         | "                    |
| 25     | 30/9/14        | AC amplifier                         |         | "                    |
| 26     | 1/10/14        | V to I, I to V, Converters, Buffers  |         | "                    |
| 27     | 06/10/14       | Non Linear applications              | IV      | "                    |
| 28     | 7/10/14        | Nonlinear function generation        |         | "                    |
| 29     | 8/10/14        | Comparators                          |         | "                    |
| 30     | 9/10/14        | Multivibrators                       |         | "                    |
| 31     | 10/10/14       | Triangular and square wave generator |         | "                    |
| 32     | 20/10/14       | Log and anti log amplifier           |         | "                    |
| 33     | 21/10/14       | Precision rectifier                  |         | "                    |
| 34     | 22/10/14       | Active filters                       | V       | "                    |
| 35     | 23/10/14       | Butterworth filter                   |         | "                    |
| 36     | 24/10/14       | 2nd order                            |         | "                    |
| 37     | 27/10/14       | LPF                                  |         | "                    |
| 38     | 28/10/14       | HPF                                  |         | "                    |
| 39     | 29/10/14       | BPF, BRF                             |         | "                    |
| 40     | 30/10/14       | All pass filter                      |         | "                    |

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| 41     | 3/10/14        | Pinch and phase locked loop                | V1      | "                    |         |                               |
| 42     | 05/11/14       | 555 Timer                                  |         | "                    |         |                               |
| 43     | 06/11/14       | monostable operates                        |         | "                    |         |                               |
| 44     | 05/11/14       | astable operation                          |         | "                    |         |                               |
| 45     | 06/11/14       | Schmitt trigger                            |         | "                    |         |                               |
| 46     | 07/11/14       | PLL - Block Diagram                        |         | "                    |         |                               |
| 47     | 10/11/14       | Freq multipliers                           |         | "                    |         |                               |
| 48     | 11/11/14       | Freq translation AM, FM & FSK Demodulators |         | "                    |         |                               |
| 49     | 14/11/14       | D/A and A/D                                | V11     | "                    |         |                               |
| 50     | 13/11/14       | Basic DAC techniques                       |         | "                    |         |                               |
| 51     | 14/11/14       | Weighted resistor DAC                      |         | "                    |         |                               |
| 2      | 17/11/14       | R-2R ladder DAC                            |         | "                    |         |                               |
| 3      | 18/11/14       | Inverted R-2R DAC                          |         | "                    |         |                               |
| 4      | 19/11/14       | PC 1408 DAC                                |         | "                    |         |                               |
| 5      | 20/11/14       | Counter type ADC                           |         | "                    |         |                               |
| 6      | 21/11/14       | S-A - ADC                                  |         | "                    |         |                               |
| 7      | 24/11/14       | Dual slope ADC                             |         | "                    |         |                               |
| 8      | 25/11/14       | AD 574 12bit ADC                           |         | "                    |         |                               |
| 9      | 25/11/14       | Analog multiplier                          | V12     | "                    |         |                               |
| 10     | 26/11/14       | and modulators                             |         | "                    |         |                               |
| 11     | 27/11/14       | Four quadrant multiplier                   |         | "                    |         |                               |

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| 61     | 28/11/14       | Balanced modulator           |         | "                    |         |                               |
| 62     | 1/12/14        | PC 1496                      |         | "                    |         |                               |
| 63     | 2/12/14        | Application of analog switch |         | "                    |         |                               |
| 64     | 7/12/14        | and Multipliers              |         | "                    |         |                               |
| 65     | 2/12/14        | Sample and Hold circuit      |         | "                    |         |                               |

with tentative dates  
taken from 11/1/14