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| Course Number and Name | | | | | | | | | | | | |
| BEE042 & Electronic Integrated Circuits | | | | | | | | | | | | |
| Credits and Contact Hours | | | | | | | | | | | | |
| 3 & 45 | | | | | | | | | | | | |
| Course Coordinator's Name | | | | | | | | | | | | |
| Mrs.Sherine | | | | | | | | | | | | |
| Course Objectives | | | | | | | | | | | | |
| To master the various biasing techniques, small and large signal analysis and design, wave shaping, regulating and rectification using electronics devices. This will help you to gain knowledge in the electronic integrated circuits | | | | | | | | | | | | |
| Prerequisites | | | | | | Co-requisites | | | | | | |
| Linear Integrated Circuits | | | | | | Nil | | | | | | |
| required, elective, or selected elective (as per Table 5-1) | | | | | | | | | | | | |
| Required | | | | | | | | | | | | |
| Course Outcomes (COs) | | | | | | | | | | | | |
| CO1: To understand the biasing techniques of various electronics devices. | | | | | | | | | | | | |
| CO2: To learn the small signal low frequency analysis and design of various electronic devices. | | | | | | | | | | | | |
| CO3: To analyze various large signal amplifier and to study their design | | | | | | | | | | | | |
| CO4: To understand the principle of various wave shaping, triggering and oscillating circuits | | | | | | | | | | | | |
| CO5: To learn the fundamentals of rectification, filter design and regulating power supplies | | | | | | | | | | | | |
| Student Outcomes (SOs) from Criterion 3 covered by this Course | | | | | | | | | | | | |
| COs/SOs | a | b | c | d | e | f | g | h | i | j | k | l |
| CO1 | M | M | M | H | M | M | M | H | | H | L | M |
| CO2 | H | M | M | H | H | | M | H | H | H | L | M |
| CO3 | L | H | | H | H | M | L | H | H | H | L | H |
| CO4 | L | H | M | H | H | M | L | M | H | L | H | H |
| CO5 | H | M | M | H | H | | M | | | L | L | L |