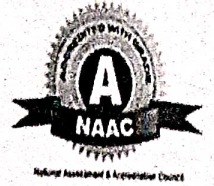




**SETHU INSTITUTE OF TECHNOLOGY**  
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PULLOOR, KARIAPATTI – 626 115.



**DEPARTMENT OF BIOMEDICAL ENGINEERING**  
**Semiconductor Devices and Circuits (19UBM305)**  
**Activity Supports Employability/Skill Development**

The following activities are conducted in the course for the students to support Employability and Skill Development,

- Flipped classroom is a pedagogical approach in which direct instruction moves from the group learning space to the individual learning space, and the resulting group space is transformed into a dynamic, interactive learning environment where the faculty guides students as they apply concepts and engage creatively in the subject matter. A flipped classroom is an instructional strategy and a type of blended learning, which aims to increase student engagement and learning by having pupils complete readings at home and work on live problem-solving during class time.
- Z-A Technique, in which the application of the content will be discussed then the concept will be explained clearly. This activity promotes the real time application ideology among the students. This is given in designing of pulse circuits. The students are practiced to work with real time applications to provide the designing procedure for the pulse circuits given to them. Working in industry and programming skills are developed during this activity.

*R. Vasantharani*  
Prepared by

*R. Arangasamy*  
HoD / BME

**Dr.R.Arangasamy**  
Dean, Professor & Head  
Department of Biomedical Engineering  
**SETHU INSTITUTE OF TECHNOLOGY**  
An Autonomous Institution  
Pulloor, Kariapatti – 626 115  
Virudhunagar District  
Email : hodbme@sethu.ac.in