

Kafrelsheikh University
Faculty of Engineering
Electrical Engineering Department
First Year (Electrical Engineering)
Course: Electronic Circuits (ECE1001)

إختار مشروع واحد من موضوعات المشاريع البحثية الثلاثة الآتية:-

المشروع البحثي الأول (1) Research Project

Title: Bipolar Junction Transistor (BJT)

The report should cover but not limited to the following points:

Physical Structure, Modes of Operation, BJT Configuration, BJT Biasing, BJT Design and different Applications.

المشروع البحثي الثاني (2) Research Project

Title: Field Effect Transistor (FET)

The report should cover but not limited to the following points:

Basic Structure, Basic Operation, JFET Characteristics and Parameters, JFET Biasing, JFET Design and different Applications.

المشروع البحثي الثالث (3) Research Project

Title: Metal Oxide Semiconductor Field Effect Transistors (MOSFETs)

The report should cover but not limited to the following points:

Basic Structure, Basic Operation, MOSFET Characteristics and Parameters, MOSFET Biasing, MOSFET Design and different Applications.