­­­­­­­­­­­­­­Unit – 1

* Semiconductor Devices
* Energy Bands

## Introductions

The electrons of an isolated atom are acted upon only by the forces within the atom.

## Knowledge about Semiconductor

Under these conditions, the energy levels may be occupied by electrons merge into bands of energy levels.

## Types of Semiconductor

This energy gap is termed as forbidden energy gap (or forbidden gap).

* Valence Band & Conduction Band
* Valence Band

## Drift Current

The energy band of interest is the highest energy band valance band.

## Diffusion Current

## If sufficient amount of energy is given to an electron in the valance band, the electron is freed from the atomic structure.

## Intrinsic

Such an electron is said to possess enough energy to be in the c conduction band, where it can take part in electric current flow.

* Office Automation Tool - 1
* MS Word
* MS Word is used to create,edit and read a documents.

## Creating

We are with the help of MS word Create a Document as per our needs.

## Editing

We are Edit the Document with the help of MS Word.

## Application

With the help of MS Word we can Editing, Creating, Document with the help of images and spelling and grammar checking.

* Office Automation Tool - 2
* MS Excel
* MS Excel is used to make spreadsheet and edit them.

## Creating

We are with the help of MS Excel Create a Sheets as per our needs.

## Editing

We are Edit the Spredsheet with the help of MS Excel.

## Application

We can easily made a Spreadsheet with the help of MS Excel.