- a) MEMS (Micro Electromechanical System).
- A) systems which combine electrical and mechanical components like microssensors, microactuators and signal tranduction elements are knowns m EMS.
- * Size : Micro meters to millimeterlevel.
- * It is interface with electrical and non-electrical signals.
- * Sensing and actuation one possible.
- * MFMS are used to Sense, controls
 activate mechanical probless on the
 micro scale.

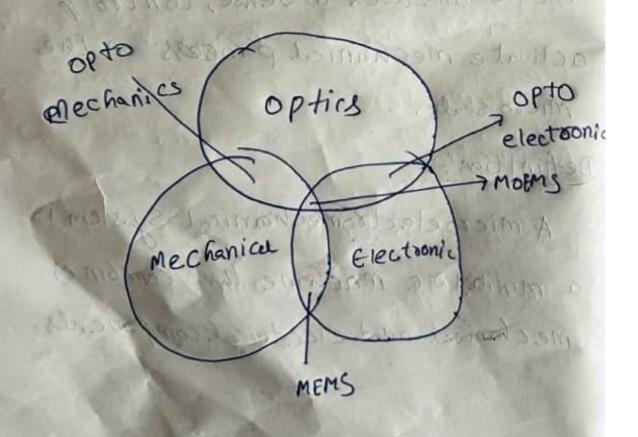
Definition :.

a miniature machine that combines mechanical and electrical components.

* Material used: Silican, polymers, metal etc.

components of MEMS:

- * Micro sensors and micro autuators convert energy from one form to another form.
- devices that combine mechanical and electrical componets.
- * These devices have ability to sense, control and actuate on the microscale.



working;

MEMS consist of micro sensors, micro actuators and micro electronics all are integrated onto the same silicon chip

Microsensors: de etect changes in the system en knomment.

micro electronic: process this information and signel.

Micro actuators: react and create

Some shanges to the envinoment.

Application!

- 1) Biomedical
- 2) Military
- 3) telecon
- 4) Optical
- 5) Adrospace.