

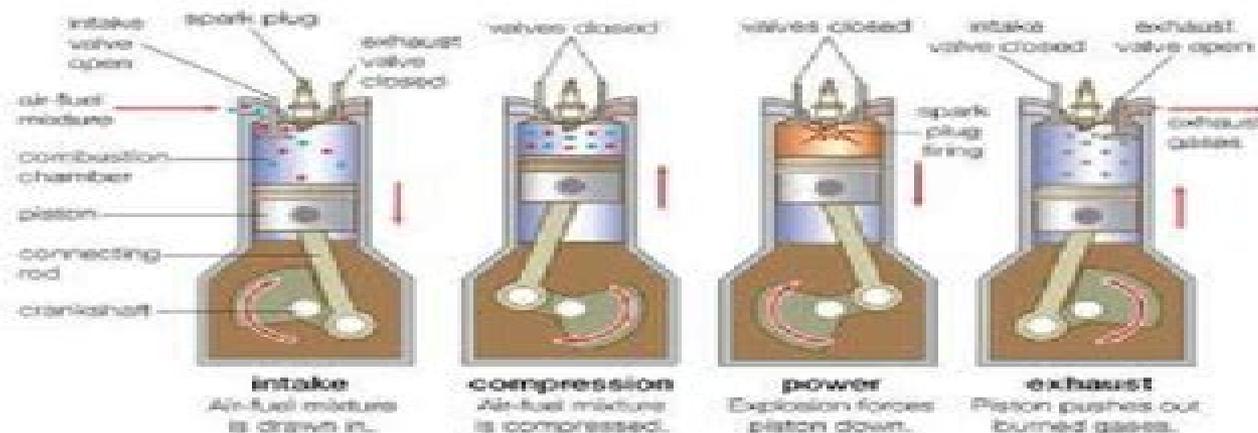
# BASIC CONCEPT OF AUTOMOBILES

## IC (INTEGRATED CIRCUIT) ENGINE:

### PARTS OF ENGINE:

CYLINDER, PISTON, CONECTING ROD(CONNECT CRANK SHAFT WITH PISTON), VALVES(INLET OR OUTLET), SPARK PLUG

### FOUR STORKE PETROL ENGINE:



**Intake(suction) Stroke:** Suction of air and petrol mixture from carburetor through inlet valve to the combustion chamber when piston comes from top dead centre to bottom dead centre and crank moves its half rotation and outlet valve is closed.

**Compression Stroke:** Compression of air and petrol mixture when both valves are closed. The piston moves from B.D.C to T.D.C and the crank comes to its original position.

# Understanding The Automobile

**Jianjun Gao**



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