

## SNS COLLEGE OF TECHNOLOGY (An Autonomous Institution) COIMBATORE-641 035, TAMIL NADU



A Physical quantity which has both magnifule and divideon is called Vector. It must obey parallelogeam loss of addition.

Diplacement, Velocity, acceleration? - Vector force, moment & momenhem. Quantity.

Total of webor.

H- Head of Vector.

CLASSIFICATION OF VECTORS

- or Free Vector
- \* Sleding Vector
- \* Bound on Fixed Vector
  - + Unit Vactor
- \* Negative Vector
  - \* Zero Kector / Neel Vector
- \* Free Vector

It may be moved anywhere in Space, provided it maintains the same direction 4 magnitude. Eg: Couple.

\* SLIDING VECTOR

It is the weeker which may be applied at any point along the line of action.

\* FOXED | BOUND YELTOR

It is the weeker which remains at the rame point of application. By: Homent.

\* UNIT VECTOR THE THE PROPERTY THE

It is the webs of one wit in length

\* NEGATIVE VECTOR

It has the same magnified a inclination but is of the opposite series.

The is obtained when a weeter is subtracted from the A - A = 0.