

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



PORCES IN 3D (HORCES IN SPACE) out of a Horse: Moment of Force about a point no moment M of a Force F with respect to a plat o is the cross product tx = (Not = +x+) the Fi the position weeter relative to point gat any point pon the line of action of 7. or Moment of represent the teadency of the Force F, to rotate a body on which it act, about an axis called moment axis . The moment axis a passing through or pspendicular to the plane containing the Force For the posthon weton it was the moment weeker is weally denoted by a double line asser (F) or by a curred arrow about the moment axis as shown in figure of medicable of to Face glown, about y g a recur. 7. xi+yj+zk, 0 . 4 . M. . 4 . M. . 4 . M. M. T. F. T. T. Mait My in Make The Original and



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





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



pent p may be taken any where on the line of of moment about any arbitary point B, in case, B acting at A is required, the relative of Bound of A, with respect to B should position we do of A, with respect to B should position Ou (i) when position vector A&B are known, MB = THB XF CO 36 (Fon Jose) XF bu (ii)