

SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)

Coimbatore- 35

DEPARTMENT OF MECHATRONICS ENGINEERING

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- The Zero Moment Point(ZMP) is defined as the point on the ground about which the sum of all the moments of the active forces equals zero.
- A zero moment point is the point where the reaction force at the contact of a humanoid robot's foot with the ground does not produce any moment in the horizontal direction
- If the ZMP is within the convex hull of all contact points between the feet and the ground, the biped robot is possible to walk.

