

# ENGINEERING MECHANICS BAA1113

## TUTORIAL 1 (CO1)

by

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# TUTORIAL 1

T1) With the aid of appropriate diagram, briefly discuss all the following:

- a) Force resultant of the beam structure.
- b) Application of couple moment on the steering wheels
- c) A car is considered as equilibrium although it is moving in the constant velocity

# TUTORIAL 1

T2) Briefly describe the difference between First, Second and Third of Newton's Law

T3) Based on your understanding, identify the type of Newton's Law for each cases:

- a) When a bus suddenly starts, the passengers sitting or standing in the bus tend to fall backward.
- b) A boy is pulling upon a rope that is attached to a wall
- c) A car moving in a straight line with constant velocity of 40km/hour