



- 1 – Wagon Body (M_c – mass, J_c – inertial moment),
- 2 – Secondary Suspension (K_{sc} – stiffness coefficient, C_{sc} – damping coefficient),
- 3 – Bogie (M_b – mass, J_b – inertial moment),
- 4 – Primary Suspension (K_{pr} – stiffness coefficient, C_{pr} – damping coefficient),
- 5 – Wheelset (M_w – mass),
- 6 – Rail (Timoshenko Beam)
- 7 – Fastener and Pad (K_f , K_p – stiffness coefficients, C_f , C_p – damping coefficients),
- 8 – Sleeper (M_s – mass, K_{sl} – stiffness coefficient, C_{sl} – damping coefficient),
- 9 – Ballast (M_{bl} – mass, K_{bl} – stiffness coefficient, C_{bl} – damping coefficient),
- 10 – Subballast (M_{sb} – mass, K_{sb} – stiffness coefficient, C_{sb} – damping coefficient),
- 11 – Subgrade (K_{sg} – stiffness coefficient, C_{sg} – damping coefficient).