**AUTOMATIC TRANSMISSION CONTROLLER**

Automatic transmission controller is a part of the drivetrain module. This helps in controlling the speed of the vehicle using effective gear shifting. The figure below shows the power flow in an automotive drivetrain.

*Throttle*

**Engine**

**Vehicle**

**Dynamics**

**Transmission Gear Ratio**

**Torque**

**Converter**

*Brake*

**Transmission**

**Control Unit (Stateflow**)

We implement the model as per the basic block diagram above.We will be going for a 4 speed automatic transmission.