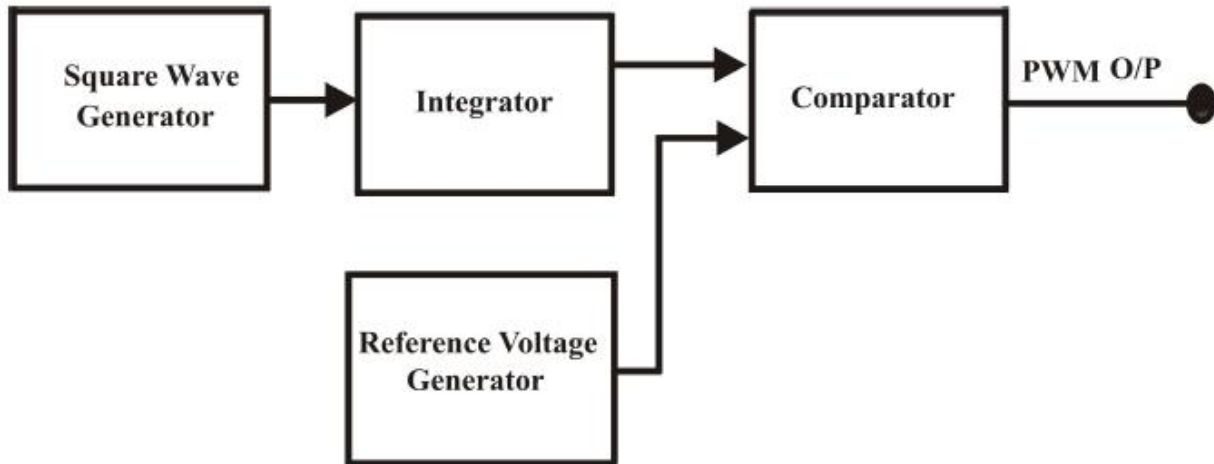


## Introduction of Chopper Firing Scheme

Following block diagram illustrates the triangular firing scheme.



**Triangular Firing Scheme**

From the above figure it is clear that the square wave is generated by using square wave generator. Basically a square wave generator is nothing but a comparator whose inverting input is at 0V and noninverting terminal with a voltage from positive feedback results in square wave. Now this square wave is converted into the triangular wave by an integrator. This triangular wave is compared with some reference voltage which results into the generation of pulse width modulated wave with variable duty cycle from 0-90% for step down chopper and 0-50% duty cycle for step up chopper.