

## A Stable Mullivibrator Ming 555. TIMER

Aim: To design and implement an astable multivibrator sulling 555. Timer for a given ferguency and duty eyele.

lapacifor of 0.1 MF, engulated power supply

CRO.

Theory: Multiviblator is a form of oscillator, which has a now sinusoidal output The output wantorm is restaugular. The mulliferator are classified as Astable | few running, monostable or our shot multivibrator, bistable multivibrators

Allable [free running multivibrator: It alternates automatically between two states (low and high for a furtangular contput) and runains in each state for a time dependent upon the refusit sonstants. It is just an oscillator as it requires no entornal pulse for its operation.

Monostable pour shot multivibrator: It has one stable
state and one quasi stable. The application of an
input pulse thinggers the likewish time constants
After a place of time decermined by the time
sonetant, the insured surveyors to its intial stable
what The process is repeated upon the
application of lace trigger pulse.

Bistable Multivibrators: It has both stable states. It non particular of an Internal triggering pulse to sharing the output from one section to other





