



**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY

## DEPARTMENT OF CIVIL ENGINEERING

**Name of the Lab-** Survey practical II laboratory

### List of Experiments

1. Study of theodolite and measurement of horizontal angle by repetition method.
2. Measurement of horizontal angle by reiteration method.
3. Determine the distance and heights of the objects using Stadia tacheometric method.
4. Determine the distance and heights of the objects using tangential tacheometric method.
5. Find the gradient between two points using stadia and tangential tacheometric principle.
6. Find the distance and elevation of the inaccessible (single) object by single plane method.
7. Find the distance and elevation of the inaccessible (single) object by double plane method.
8. Find the elevation of the inaccessible (double) object by double plane method.
9. Determine the elevation of the given point using subtense bar.
10. Measurement of horizontal, sloping and vertical distances of the object using Total station.
11. Setting out a circular curve using Total Station.
12. Using profile levelling, plot the longitudinal section and cross section of road

  
**HoD/Civil Engg.**