

GYAN SAGAR COLLEGE OF ENGINEERING

DEPARTMENT OF CIVIL ENGINEERING

ADVANCE SURVEYING LAB

LIST OF EXPERIMENT

- 1. Measurement of Distance by Chaining and Ranging.**
- 2. Locating Various Objects by Chain or Cross-Staff Surveying.**
- 3. Measurement of bearings of sides of traverse with prismatic compass and computation of correct included angle.**
- 4. Determination of elevation of various points with dumpy level by collimation plane method and rise & fall method.**
- 5. Fixing bench mark with respect to temporary bench mark with dumpy level by fly levelling and check levelling.**
- 6. Measurement of vertical angles with theodolite.**
- 7. Determination of horizontal distance between two inaccessible points with theodolite.**
- 8. Locating given building by theodolite traversing**
- 9. To perform complete survey with Total Station.**