MOTHER TERESA
INSTITUTE OF SCIENCE AND TECHNOLOGY
Approved by AICTE, Govt. of Telangana , Affiliated to JNTUH & SBTET, Hyderabad
Recognition under Section 2(f) & 12 (B) of the UGC Act, 1956
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ACCREDITED BY NAAC
B - GRADE

DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR: 2021-22

A SUMMARY REPORT

Course Name: SURVEYING AND GEOMATICS

Name of the Resource Person: Mr. D.PRASAD, NAC Academy, Hyderabad.

Gap Identified: Whole Circle Bearing and Quadrant bearings

No. of Students attended: 24 members

Summary: On the first day of the session (i.e 15-11-2021) Mr. D.PRASAD, NAC Academy, Hyderabad. delivered a lecture on the basics of Introduction to the course of the whole circle bearing (WCB) is defined as the bearing of the line at any point which is measured with respect to the Meridian is known as Whole circle bearing. The Whole Circle bearings values range from 0° to 360°.The Whole circle bearing is generally used in the Prismatic compass. The whole circle bearing is used to measure the angle in the clockwise direction from the magnetic North. The Prismatic compass is graduated by Whole circle bearing.

The Quadrant bearing is also known as a reduced bearing**.** Quadrant bearings are generally measured from the North or South direction towards the East or West direction. The quadrant bearing or reduced bearing can be measured either in a clockwise or anticlockwise direction. The quadrant bearing varies from 0° to 90°**.**In the quadrant bearing or reduced bearing system; the bearings are taken either from the magnetic North or the magnetic south direction. It will depend on which one is nearer to that line. In the Quadrant bearing system, magnetic North and magnetic South lines are considered as a reference line.

In the afternoon session, he explained the practical exposure of solve the problems For whole circle bearing (WCB) and Quadrant bearing (QB) measured from the North or South direction towards the East or West direction.