



SURVEYO-METRY

Aim: To use the surveying and geometric techniques for obtaining ground distances.

Description: In today's world, we are using very fast and efficient techniques for surveying but a few centuries ago, when there were no equipments like Auto-Level or Total Station, engineers were using just compass and tapes and they were very accurate and precise with their surveys. Taj Mahal, Jantar Mantar, are few such examples of their proficiency. Surveyo-metry is an event based on surveying and geometric calculations using these equipments. The problem will be synchronized with points on field and participants will be asked to determine certain distances and angles on field which will lead to determination of final dimensions asked in the problem statement. Team with most accurate survey will be considered as winner.

Procedure

- The event will be held in two stages, PRELIMS and FINALS.
- PRELIMS - In the preliminary stage, there will be a 15-minute pen-and-paper quiz. Teams qualifying to next stage will be announced just after the prelims.
- FINALS – From the prelims, top 6 teams shall qualify for the finals. The final problem statement to be exercised will be given on the spot to the qualifying teams.
- The scope of the competition will require both theoretical and practical knowledge of Surveying and Geometry

Judgement

- The team which completes the task in the given time with most accuracy will be declared winners.
- Points will be deducted from the final score with every additional minute a team takes over the given time period to complete the task.

Rules & Regulations

- One team can have a minimum of 3 and a maximum of 5 participants.
- Cross-college participation is allowed but no two teams can have a same member.
- Both the rounds will take place back-to-back and in case a qualifying team does not abide by the time limits, it will be disqualified and the next top scoring team from the previous stages will be called in.
- Team that damages any instruments provided to them will be disqualified from the competition.



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