



ISLAMIC UNIVERSITY OF TECHNOLOGY



PHYSICS LAB REPORT

Experiment No.

Group/Batch No:

Student No:

Course Number:

Name of the Experiment:

DETERMINATION.....

Date of Performance:

Name:

Date of Submission:

Department:

Section:

Partners' Student No:

Theory: Add diagrams here.

Apparatus:

For Slide Calipers, Screw-Gauge & Spherometer

– least count = smallest possible reading

– Vernier count = $\frac{\text{smallest division in main scale}}{\text{number of divisions in vernier scale}}$

Procedure: This was written in the passive voice.

Data Collection:

Table: Table Caption e.g. Data for.....

Draw graphs (where necessary) with appropriate data from the table.

Attach the graph paper (20cm x 25cm) here.

Calculation:

Result:

Error Analysis:

$$\text{percentage error} = \frac{|\text{expected value} - \text{standard value}|}{\text{standard value}}$$

Discussions:

- Focus on difficulties experienced during experiment
- Sources of error
- Precautions taken
- Which parameters of the given formula are important ($r^4 > r^2$)