Data Sheet

EWCE 341: Soil Mechanics Sessional

Group No. Student ID: 202330044 Date: 19/06/2025

Expt. No. 1: Field Identification Test of Soil
(Visual Manual Procedure)

1. **Preliminary Classification**: (Coarse/Fine Grained Soils)

Results:

2. **Identification of Peat** (Highly Organic Soil):

Results: Peat (Yes/No)

If yes, not subjected to Field Identification Procedures.

3. **Identification of Inorganic Fine Grained Soils (Silts and clays)**

Field Identification Test of Inorganic Silts and Clays:

a. **Color and Odor Test:**

Results-Color and Odor Test:

Sample/Group No.	Test Observation		Result
	Color	Odor	

b. **Dry Strength Test**:

Results – Dry Strength Test:

Sample/Group No.	Test Observation	Result

c. **Dilatancy Test:**

Results – Dilatancy Test:

Sample	Test Observation	Result

d. **Toughness or Plasticity Test**:

Results – Toughness Test:

Sample/Group No.	Test Observation	Result

Results – Plasticity Test:

Sample/Group No.	Test Observation	Result

e. **Dispersion Test:**

Results – Dispersion Test:

Sample	Dispersion Time	Remark/Result

Final Result: Field Identification of Fine-grained Soils (Sample):

Serial No.	Observation/Test	Sample/Group No.:……
1.	Organic/Inorganic	
2.	Dry Strength	
3.	Dilatancy	
4.	Toughness	
5.	Plasticity	
6.	Dispersion	

Typical Name: Sample 1:

Student:…… Faculty……