



Iqra National University

Department of CIVIL ENGINEERING

Assignment

Geotechnical & Foundation Engineering

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Section: A

Program: B.Sc Civil Engineering

Semester: 6th

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Different software which are used in geotechnical engineering are

1) SAP SOFTWARE

It is used for effective business operation

It is used for supply chain and product of life cycle.

2) SLOPE STABILITY

This program is used to perform slope stability analysis. The slip surface consider as circular.

3) Z-SOIL

A window based tool offering a unified approach to a numerical stimulation of soil and rock mechanics above and underground structure, excavation, and underground flow.

4) ABCUS SOFTWARE

A standard abcus is used for Addition, subtraction, multiplication and division.it is an effective mechanical device used for counting.

5) ALL PILE

All pile is window based analysis program that handle virtually all type of piles including steel pipes, H pile and pre cast concrete etc.

6) CLARA- W

It is program for geotechnical slope stability analysis in three or three dimensions.

7) X- STABL

It provided an integrated environment for performing slope stability.