

Name: M Kamran

IDNO : 7888

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## Plaxis 3D:

It is a 3D software which uses finite element method of analysis to calculate stability deformation, and settlements.

\* It is widely used to get technical engineering in various applications such as tunneling, mining, embankments and excavation and rock mechanics.

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## 2 Geo Studio:

In Geo studio there are two software.

### ⇒ Slope Ws-

It is used to analyse and slope stability of different types of soils and rocks under different loading and pore water pressure conditions.

It can also solve both simple and complex problems and by using different theories and it will give you the factor of safety and it will clearly indicate

Date: \_\_\_\_\_

⇒ Deep Soil

It is 1D site  
response analysis which  
can perform both.

\* Linear and Non Linear  
analysis -

\* Equivalent linear analysis:

# BRT

Bus rapid transport also called a busway or a transit way in a bus-based public transport system designed to improve capacity and reliability relative to conventional bus systems typically BRT systems includes roadway that are dedicated to buses and gives priority to buses to intersections where buses may interact with other traffic along side design features to reduce delays caused

by passengers boarding or  
leaving bus or purchasing  
fares-

BRT aims to

combine the capacity and  
speed of a metro  
with flexibility, lower  
cost and simplicity  
of a buses system-

# Trans PESHAWAR

Trans peshawar or Peshawar Rapid Transport is a bus rapid transit system currently under construction by PESHAWAR department Authority - (PDA) in Peshawar capital of Pakistan's Khyber Pakhtunkhwa (KPK) province. Divide into two separate phases -

The first phases of the trans peshawar BRT system will encompass an east - west corridor to be served by 30 stations with an initial 220 buses out of which

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# 155 are 12 meter  
long buses while 65  
are 18 meter long  
buses 88% of  
funding is being  
provided by the Asian  
Development Bank.

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