

RS and GIS practical

Lab. 5

Digitizing

- Add **georeferenced** image
 - **R-click** on **data frame** and set the **coordinate system** on **Projected_UTM**
 - Click on **ArcCatalog**
 - Make a **New Folder**
 - **R-click** on **New Folder** then select **New** then **shapefile**
 - Choose a **name** and **type** and **coordinate system** (Projected_UTM) for the shapefile
 - Add the recently made **shapefile**
 - Call the **Editor Toolbar**
 - And **click** on **Editor** and select **start editing**
 - **Click** on **create feature** on the **editor toolbar** and select the interested **shapefile**
 - Now you can draw any feature shape you want
 - **Repeat** those **steps** to make more than one shapefile for different purpose
 - For **polygon** type shapefile **click** on **interested** places to add **vertices (vertex)** and after finish the drawing **R-click** and select **finish sketch** or (F2) to end drawing
- Note: if you choose finish sketch the polygon becomes independent with a certain row in the attribute table, while, if you choose finish part it will be merged in the attribute table with the next drawing until you choose finish sketch**
- **Vertices (vertex):** are the points added while drawing through out clicking.
 - For **editing** the drawn features **select** the **feature** and click on **Edit Vertices** icon on editor toolbar
 - Now a new **small toolbar** has been added named **Edit Vertices**, now you can **move** any vertex and also **add** and **remove** them, to **finish** this editing click on **finish sketch** ON EDIT VERTICES TOOLBAR.
 - Now edit feature **symbol** by clicking on the **its symbol under the layer_Or_** **R-click** on layer and select **properties** then **symbolology** tab.
 - Click on **Editor** menu on **editor toolbar** and select **save changes** then **stop editing**

- Now, **save** the entire job as a **project** to be ready for the next lab, **file** then **save as**, give a **name** and a **destination**.