

## **The techniques**

**It's difficult for the people that not studied history to understand everything inside the temples and the hieroglyphic text so,**

**We provide AI model based on computer vision, NLP and pattern recognition**

**For Karnack temple as a guide for the visitor To clarify the features of the temple just using the mobile camera by scanning it to the feature only and after that will appear to him all the information he wants to know about this statue if it was or about the meaning of the hieroglyphic text if it was ,**

**In our model we will use many technique as the following**

- 1- “OpenCV” , “Dlib” ,”Flandmarks” and “theano” python libraries for face detection and recognition**
- 2- “Tesseract” python library for text detection (for the hieroglyphic text)**
- 3- “Googletrans”, “Textblob” and “langdetect” and that is NLP libraries for translate the hieroglyphic text into English**

**In our mobile application there are many pages as the following**

**1- Login page: This page has the user name and password, and it also has a button for the registration page if the user is not registered.**

**2-Registration page: A page that enables the user to register, to be able to use the application**

**After login the user will find the following pages**

**1-Scan QR code page: for the features :and here the user scan the feature using the mobile camera after that will appear every thing about the features**

**2-temple map page: and that page show the map of the Karnack temple**

**3-the user history page : and here the user will find the history of the features that he scanned it before**

**4-log out page : and that for log out**