**FUNCTIONAL REQUIREMENTS:**

|  |  |  |  |
| --- | --- | --- | --- |
| **FR.NO** | **FUNCTIONAL REQUIREMENTS** | **SUB REQUIREMENTS** | |
| FR-1 | Model Creation | Get access the MNIST dataset | |
| Analyze the dataset | |
| Define a CNN model | |
| Train and Test the Model | |
| FR-2 | Application Development | Create a website to let the user recognize handwritten digits. | |
| Create a home page to upload images | |
| Create a result page to display the results | |
| Host the website to let the users use it from anywhere | |
| FR-3 | Input Image Upload | Let users upload images of various formats. | |
| Let users upload images of various size | |
| Prevent users from uploading unsupported image formats | |
| Pre-Process the image to use it on the model | |
| Create a database to store all the input images | |
| FR-4 | Display Results | Display the result from the model | |
| Display input image | |
| Display accuracy the result | |
| Display other possible predictions with their respective accuracy | |
|  |