**FUNCTIONAL REQUIREMENTS:**

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| **FR.NO** | **FUNCTIONAL REQUIREMENTS** | **SUB REQUIREMENTS** |
| **FR-1** | **Model Creation** | * Get access the MNIST dataset. * Analyse 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 datasets. * Let users upload images of various samples. * 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 dataset. * Display accuracy range of the result. * Display other possible predictions with their respective accuracy. |