

## **MRI Tumor Detection System:**

1. Load MRI Image Dataset
  - Train Data
  - Test Data
2. Data Preprocessing
  - Reading Images
  - Data Augmentation: Rotation, Pixel Value Enhance, Contrasting
  - Label Encoding: Convert Image pixels into Integer numbers
  - Data Generation
3. Model Training: VGG16 (a Version of CNN) / any other
4. Model Evaluation
  - Accuracy vs loss graph
  - Classification Report (Precision, Recall, F1-Score, Support, Accuracy)
5. Confusion Matrix
6. ROC curve (used in Machine learning and deep learning)
7. Deployment with App