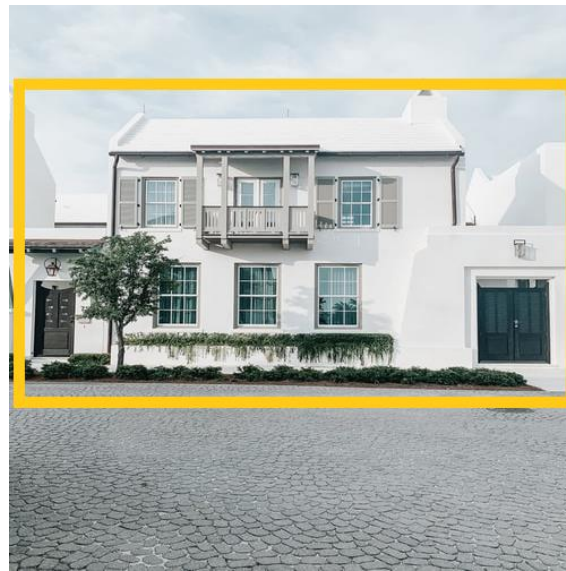


Theis title: **Building Infrastructure Classification and Detection**

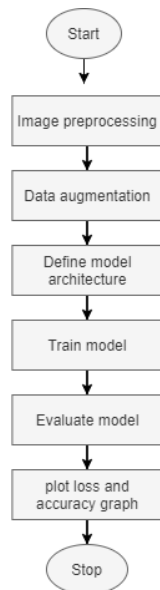
Group member: **Faisal Ahmed (1607048) and Md. Mahmudul Islam (1607052)**

Building infrastructure image classification and detection is an active area of research. There are different types of buildings such as houses, mosques, temples, shopping malls, etc. we are proposing a deep convolutional neural network architecture to classify those images. We also detect the region of interest from the image. In our working procedure, we introduce a new dataset for building infrastructure. In the future, we will increase the categories. Now, the dataset contains four categories are building-house, mosque, temple and tin shed house.

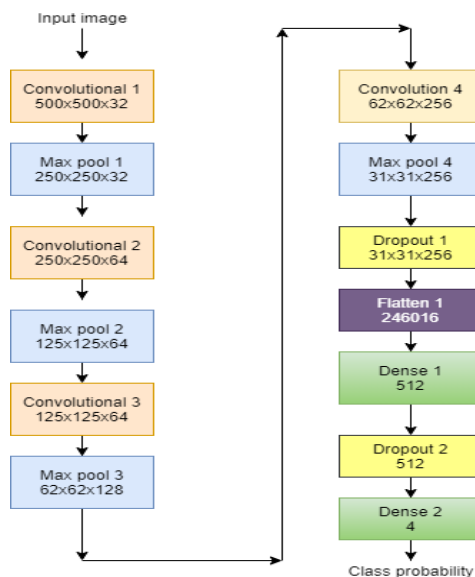


Input: building image

Output: building house



Flow chart



Proposed CNN architecture for classification