```python
from keras.models import Sequential

from keras.layers import Conv2D, MaxPooling2D

from keras.layers import Activation, Dropout, Flatten, Dense


class KerasModel:

    def get_model(self, img_width, img_height):

        model = Sequential()

        model.add(Conv2D(32, (3, 3), input_shape=(3,img_width, img_height)))

        model.add(Activation('relu'))

        model.add(MaxPooling2D(pool_size=(2, 2)))


        model.add(Conv2D(32, (3, 3)))

        model.add(Activation('relu'))

        model.add(MaxPooling2D(pool_size=(2, 2)))

        model.add(Dropout(0.35))


        model.add(Conv2D(64, (3, 3)))

        model.add(Activation('relu'))

        model.add(MaxPooling2D(pool_size=(2, 2)))

        model.add(Dropout(0.35))


        model.add(Conv2D(128, (3, 3)))

        model.add(Activation('relu'))

        model.add(MaxPooling2D(pool_size=(2, 2)))

        model.add(Dropout(0.35))


        model.add(Conv2D(256, (3, 3)))

        model.add(Activation('relu'))

        model.add(MaxPooling2D(pool_size=(2, 2)))

        model.add(Dropout(0.35))
```

```python
model.add(Conv2D(512, (3, 3)))
model.add(Activation('relu'))
model.add(MaxPooling2D(pool_size=(2, 2)))
model.add(Dropout(0.35))

model.add(Flatten())
model.add(Dense(256))
model.add(Activation('relu'))
model.add(Dropout(0.5))
model.add(Dense(1))
model.add(Activation('softmax'))
return model
```