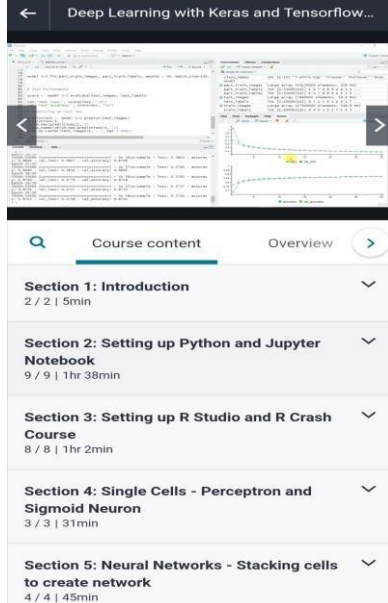
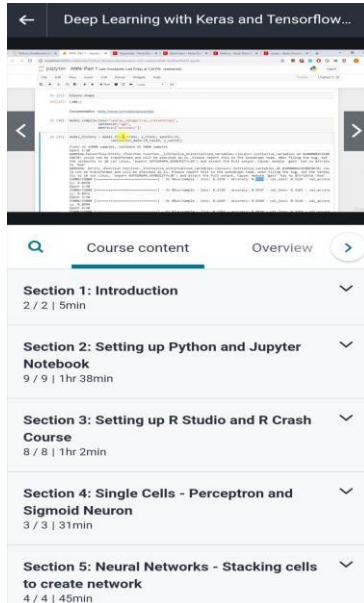


ISE CERTIFICATION COURSE DETAILS

NAME:	NIKSHITA	USN:	4AL16IS033
SEMESTER:	8	MENTOR:	MS. Vanyashree
COURSE NAME:	Deep Learning with Keras and TensorFlow in Python & R	DATE:	21-5-2020

SCREENSHOT:



BRIEF REPORT: (POINT-WISE)

1). Working of Perceptron model and activation functions.

- * How to build a small perceptron model using python (single perceptron).
- * Basic terminologies to stack the single cells to create network of cells.
- * Gradient descent algorithm and back propagation and forward propagation algorithm.

2). Understanding the use of activation function and how to apply it to the neural network.

- *Classification hyper parameters, regression hyper parameters and to decide how many neurons are required for the model.
- *About keras and tensor flow, how to install in python and R and how to use with neural network.
- *Classification problem: creating an image classifier for 10 different categories.

3). Different ways to create ANN and Building the neural network using keras. (python)

- *compiling and training the neural network and evaluating performance and predicting using keras. (python)
- * Building and training model in R.
- *Evaluating and predicting in R.

