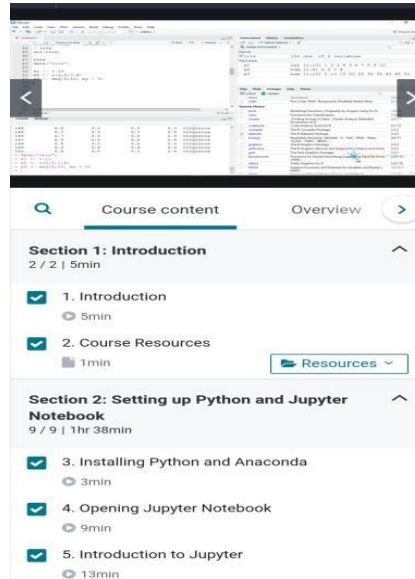
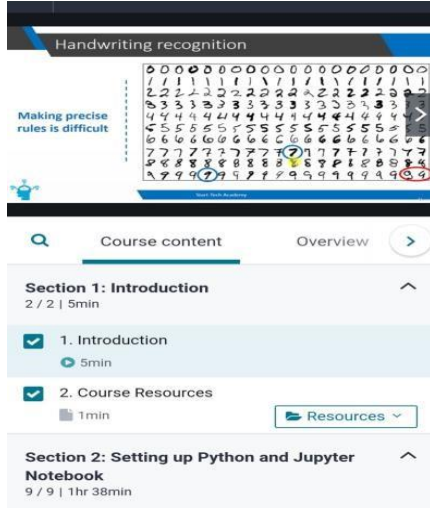


ISE CERTIFICATION COURSE DETAILS

NAME:	NIKSHITA	USN:	4AL16IS033
SEMESTER:	8	MENTOR:	MS. Vanyashree
COURSE NAME:	Deep Learning with Keras and TensorFlow in Python & R	DATE:	20-5-2020

SCREENSHOT:



BRIEF REPORT: (POINT-WISE)

1). Introduction to understand deep learning and build neural networks using TensorFlow 2.0 and keras in Python and R. Neural networks creates own complex pattern recognition rules.

***Setting up Python and Anaconda notebook: - about installing anaconda and how to use jupyter notebook. Python basics, Syntaxes, Strings, Lists, Tuples and Directories.**

2). Working with Libraries: NumPy: - This library consists Multidimensional array objects and a collection of routines for processing those arrays. Using NumPy, mathematical and logical operations on array can be performed.

***Pandas: -used for data manipulation and analysis. This will help us to organize data and manipulate the data by putting it in a tabular form.**

***Seaborn: -used for making statistical graphics in python.**

***Introduction to R and its basics.**

3). Method to Input data from inbuilt datasets of R (Ex: iris dataset which contains data of sepal length, sepal width, petal length and petal width for 50 flowers from each of different species).

***Method to Input data by manually entering data. (by using concatenating i.e.: c () or sequence i.e.: seq () or scan ()).**

***Importing from csv or text files, about creating bar plots and histogram of different data from dataset in R.**