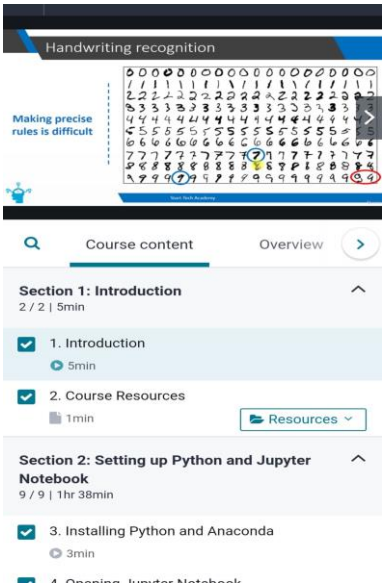
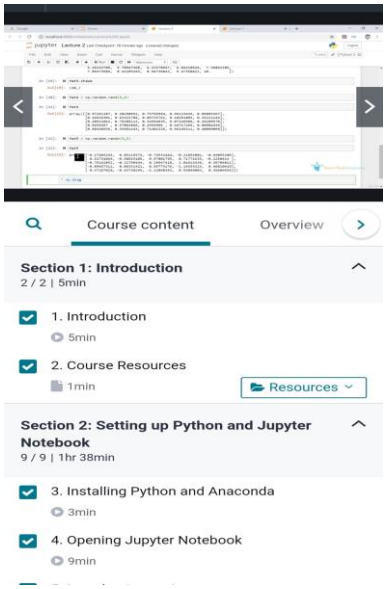
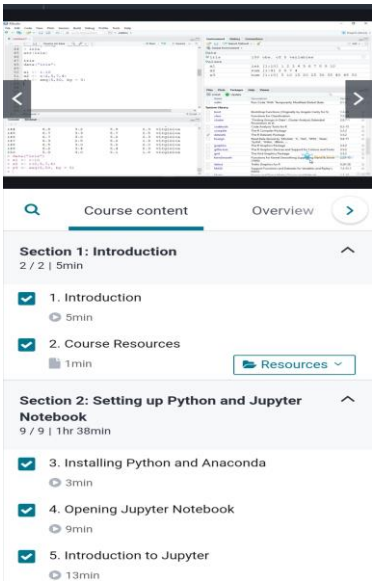
ISE CERTIFICATION COURSE DETAILS			
NAME:	**DHEERAJ SHETTY**	**USN:**	**4AL16IS013**
SEMESTER:	**8**	**MENTOR:**	**MR. SHARAN L PAIS**
COURSE NAME:	**Deep Learning with Keras and Tensorflow in Python & R**	**DATE:**	**20-5-2020**

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. To understand about different datasets.
***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. It is built on top of matplotlib and closely integrated with pandas data structure.**
***Introduction to R and its basics. Different Packages in R.**

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 barplots and histogram of different data from dataset in R.**