i	**Introduction to data science:**functional programming,JSON and XML in python.	1
2	Numpy with python,pandas	1
	Sample experiments	
1	Python program to check whether a JSON string contains complex object or not.	3
2	Python program to demonstrate numpy arrays creation using array() function.	
3	Python program to demonstrate use of ndim,shape,size,dtype.	
4	Python program to demonstrate basic slicing,integer and Boolean indexing.	2
5	Python program to find min,max,sum,cumulative sum of array.	
6	Create a dictionary with at least five keys and each key represent value as a list where this list contains at least ten values and convert this dictionary as a pandas data frame and explore the data through the data frame as fallows: A.apply head() function to the pandas data frame B.perform various data selection operations on data frame.	
7	Select any two colomns from the above data frame,and observe the change in one attribute with respect to other attribute with scatter and plot operations in matplotlib.	
	CUMULATIVE PROPOSED PERIODS	55

		Name	Signature with Date
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ii.	Module Coordinator	Mr.A.S.N.V Bhogesh	
iii.	Programme Coordinator	Dr. RVVSV Prasad	

Principal

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