

## Department of Computer Science & Engineering

Final Year B. Tech. (CSE) - I : 2021-22  
4CS462 : PE2 - Data Mining Lab

### Assignment No. 1

Mini-seminar / Presentation / Prototype-demo on topic assigned to each group

Topic Sr.No.	Name of the Topic
1	Python and SQL Intersection in Analytics
2	Seaborn: a data visualization library for Python
3	Basic Python modules for data mining : numpy , scipy , matplotlib
4	Free and Open Source Business Intelligence Tools
5	Freeware Reporting tools for data mining
6	Keras python module
7	Plotly : quintessential graph plotting library for Python
8	SISENSE : BI Tool
9	Python libraries for machine learning
10	Python libraries for data mining
11	Statsmodels : Python module for statistics
12	Pandas : Python Data Analysis Library,
13	Business Intelligence in FinTech
14	Scikit Learn python module
15	TensorFlow python module
16	NetworkX python module for graph analysis
17	Python Libraries for Reporting and Factsheets
18	R-Programming for data mining (freeware/open source)

**Deadline : 28/08/2021 @5pm**

### Allotment of topics

LoginID DM21G	Topic Sr. No.	LoginID DM21G	Topic Sr. No.
01	2	10	17
02	7	11	6
03	10	12	15
04	4	13	1
05	14	14	16
06	18	15	12
07	3	16	9
08	11	17	13
09	8	18	5

### Rubrics

Activity	Marks
Material / literature survey	3
Understanding of topic	3
Presentation	2
Question / Answer	2
<b>Total LA1/1 Marks</b>	<b>10</b>

### Instructions :

1. Each group will do this work independently.
2. For each topic, search on web, download relevant material and study.
3. Give presentation for 10 minutes (including QA) & prepare a write-up/report.
4. All soft copy submission should be uploaded to your respective group login ID on **<http://10.7.1.15/submission>** (within campus) **<http://112.133.242.254/submission>** (outside campus) in “**Assignment 1**” tab. Upload contains all downloaded materials / report / demo s/w etc.
5. **Not uploading of s/w copies on submission portal will treat as NULL ISE (0 marks)**

Dr. B. F. Momin  
Course Teacher