

TCET/FRM/IP-02/09

Revision: A

Research Skill Based Bridge Course (RSBB) Plan

R-Programming

Semester: VIII

Class: BE (A+B)

Sr. No	Module No.	Lesson No.	Topics Planned (Technology to be used)	Teaching Aids Required	Planned / Completion Date	Resource Book Reference	Remarks
1	Module 1	L 3.1	R & R-Studio Setup	Whiteboard, Marker	11/1/18	1.1	
2		L 3.2	Variables and Data Structures [Vectors, Matrix, List, Data Frame]	Whiteboard, Marker	18/1/18	1.1	
3	Module 2	L 3.3	Basic Visualization [Bar Plot, Pie Chart, Scatter Plot]	Whiteboard, Marker	25/1/18	1.1,2.1	
4		L 3.4	Hands-On	Whiteboard, Marker	1/2/17	1.1,2.1	
5		L 4.1	Linear Regression	Whiteboard, Marker	8/2/17	1.1,2.1	
6		L 4.2	Logistic Regression	Whiteboard, Marker	15/2/17	1.1	
7	Module 3	L 4.3	Hands-On	Whiteboard, Marker	22/2/17	1.1,2.1	
8		L 4.4	Decision Tree	Whiteboard, Marker	1/3/17	1.1,2.1	
9		L 5.1	Classification and Regression Tree	Whiteboard, Marker	8/3/17	1.1,2.1	
10		L 5.2	Test		8/3/17		
11	Module 4	L 8.1	Hands-On	Whiteboard, Marker	15/3/17	1.1	
12		L 8.2	Apriori algorithm	Whiteboard, Marker	15/3/17	1.1,2.1	
13		L 10.1	Deep Boltzmann Machine	Whiteboard, Marker	22/3/17	1.1	
14	Module 5	L 10.2	Boosting	Whiteboard, Marker	22/3/17	1.1, 1.2	
15		L 10.3	Principal Component Analysis	PPT	29/3/17	1.1, 1.2	

16	Module 6	L 10.4	Bootstrapped Aggregation	PPT	5/4/17	1.1,1.2	
17		L 11.1	Random Forest	PPT	12/4/17	1.1,1.2	
18		L 11.2	Principal Component Regression	PPT	12/4/17	2.2	
19		L 12.1	Partial Least Squares Regression	PPT	19/4/17	2.2	
20		L 12.2	Test		19/4/17		
Remark: Course:		Syllabus Coverage:		Practice Session:		Beyond Syllabus:	
No. of (lectures planned)/(lectures taken):20/							
Reference Book : 1. R for Data Science: Hadley Wickham , Garrett Grolemund 2. R Cookbook, Teetor Paul							
Digital Reference: 1. https://www.coursera.org/learn/r-programming 2. https://www.tutorialspoint.com/r/							
Note: 1. Plan date and completion date should be in compliance. 2. Course are required to be taught with emphasis Text books, digital references etc.							

Sd/-

Name & Signature of Faculty

Date:

Sd/-

Signature of HOD

Date:

Sd/-

Signature of Principal/Dean(Academic)

Date:

