

TCET/FRM/IP-02/09

Revision: A

Technology based Bridge Course (TBC) Plan

Mongo DB Basics with Cluster Administration

Semester: VI

Class: TE-CMPN(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	Fundamentals of MongoDB	Whiteboard, Marker, PPT	31/01/2019	1.1,2.1	Direct
2		L 3.2	Connecting to a MongoDB Cluster, using MongoDB Compass	Whiteboard, Marker, PPT	07/02/2019	1.1,2.1	Direct
3	Module 2	L 3.3	Exercise to setup a connection using MongoDB compass	Whiteboard, Marker, PPT	14/02/2019	1.1,2.1	CL
4		L 3.4	MongoDB's document storage model and principles of flexible schema design,	Whiteboard, Marker, PPT	21/02/2019	1.1,2.1	Direct
5		L 4.1	Basic architecture of MongoDB clusters, CRUD operations	Whiteboard, Marker, PPT	28/02/2019	1.1,2.1	CL
6		L 4.2	Exercise on CRUD Operation-CREATE,READ	Whiteboard, Marker, PPT	07/03/2019	1.1,2.1	CL
7	Module 3	L 4.3	Exercise on CRUD Operation-UPDATE, DELETE	Whiteboard, Marker, PPT	07/03/2019	1.1,2.1	CL
8		L 4.4	Introduction to Mongo DB Atlas	Whiteboard, Marker, PPT	14/02/2019	1.1,2.1	Direct
9		L 5.1	Create Sandbox in MongoDB Atlas	Whiteboard, Marker, PPT	14/02/2019	1.1,2.1	Direct
10		L 5.2	Test		16/02/2019		
11	Module 4	L 8.1	Exercise to set up connection between MongoDB compass and Mongo DB Atlas	Whiteboard, Marker, PPT	28/03/2019	1.2	CL
12		L 8.2	Configure Mongo Shell	Whiteboard, Marker, PPT	28/03/2019	1.2,2.1	Direct
13		L 10.1	Exercise - run query on Mongo shell	Whiteboard, Marker, PPT	30/03/2019	1.2	SL

14	Module 5	L 10.2	Introduction to Cluster Administration	Whiteboard, Marker, PPT	30/03/2019	1.2,2.1,2.2	Direct
15		L 10.3	The Mongod	Whiteboard, Marker, PPT	04/04/2019	1.2,2.1,2.2	Direct
16		L 10.4	Replication	Whiteboard, Marker, PPT	04/04/2019	1.2,2.1,2.2	Direct
17		L 11.1	Sharding	Whiteboard, Marker, PPT	11/04/2019	1.2,2.1,2.2	Direct
18	Module 6	L 11.2	Exercise on data set		11/04/2019	1.2,2.1,2.2	CL
19		L 12.1	Exercise-Project using MongoDB as Back End		11/04/2019	1.2,2.1,2.2	SL
20		L 12.2	Test		18/04/2019		
Remark: Course:		Syllabus Coverage:		Practice Session:		Beyond Syllabus:	
No. of (lectures planned)/(lectures taken):20/							

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.

1. Text Books:

1. MongoDB: The Definitive Guide.
2. MongoDB in Action by Kyle Banker.

2. Digital Reference:

- 2.1 <http://www.tutorialspoint.com/MongoDB/>
2. <https://university.mongodb.com/courses/M103/>

Sd/-

Mrs. Anupriya Babbar

Name & Signature of Faculty

Date:

Sd/-

Dr. Sheetal Rathi

Signature of HOD

Date:

Sd/-

Dr.R.R.Sedamkar

Signature of Principal/Dean(Academic)

Date: