MANIPAL INSTITUTE OF TECHNOLOGY
Manipal University, Manipal
Karnataka -576104

COURSE PLAN

Department : Information & Communication Technology

Course Name & code : Business Intelligence[ICT 4101]

Semester & branch : VII Semester , Information Technology

Name of the faculty : Swathi B.P, Anju R

No of contact hours/week: 4

ASSESSMENT PLAN:

1. In Semester Assessments - **50 %**

   - Written tests : 30

   - Assignment/Quiz/ : 20
     Seminar

2. End Semester Examination - **50 %**

   - Written examination of 3 hours duration (Max. Marks: 50)

| Portions for Assignment/Quiz/Seminar etc.... ||
Sl. no.	Topics/Lessons
1	L1-L15
2	L16-L32
3	Group Work
4	
5	
Portions for Sessional Test	
Test no.	Topics/Lessons
1	L1-L20
2	L21-L35

(Page 1 of 5)

Course Outcomes (COs)

At the end of this course, the student should be able to:

		No. of Contact Hours	Program Outcomes (POs) addressed
CO1:	Understand the importance and challenges of business intelligence	4	6
CO2:	Design data warehouse for a given business intelligence application	11	3
CO3:	Apply the relevant data mining technique for a particular business application.	8	5
CO4:	Apply fundamental principles of business intelligence systems and technologies to given problems	25	1,2,5,10,11
CO5:			
CO6:			

Course Plan

L. No.	Topics	Course Outcome Addressed
L0	Introduction to the course	
L1	Business Intelligence and its impacts	CO 1
L2	Business Intelligence Capabilities	CO 1
L3	The Major Theories and Characteristics of Business Intelligence	CO 1
L4	Successful Business Intelligence Implementation	CO 1
L5	Data Warehousing Definitions and Concepts	CO 2
L6	Data Warehousing Process Overview	CO 2
L7	Data Warehousing Architectures	CO 2
L8	Data Integration and the Extraction, Transformation, and Load (ETL) Processes	CO 2
L9	Data Warehouse Development	CO 2
L 10	Data Warehouse Development	CO 2
L11	Real-Time Data Warehousing	CO 2
L12	Data Warehouse Administration and Security issues	CO 2

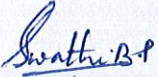| L. No.	Topics	Course Outcome Addressed
L 13	The Business Analytics (BA) Field: An Overview	CO 4
L 14	Online Analytical Processing (OLAP), Reports and Queries	CO 2
L 15	Online Analytical Processing (OLAP), Reports and Queries	CO 2
L16	Multidimensionality	CO 2
L 17	Advanced Business Analytics, Data Visualization	CO 4
L18	Geographic Information Systems (GIS)	CO 4
L19	Real-Time Business Intelligence, Automated Decision Support (ADS), and Competitive Intelli-gence	CO 4
L 20	Real-Time Business Intelligence, Automated Decision Support (ADS), and Competitive Intelli-gence	CO 4
L 21	Business Analytics and the Web: Web Intelligence and Web Analytics	CO 4
L 22	Usage, Benefits and Success of Business Analytics	CO 4
L23	Usage, Benefits and Success of Business Analytics	CO 4
L 24	Data Mining Concepts and Applications	CO 3
L25	Data Mining Concepts and Applications	CO 3
L 26	Data Mining Techniques and Tools	CO 3
L27	Data Mining Techniques and Tools	CO 3
L 28	Data Mining Techniques and Tools	CO 3
L29	Data Mining Project Processes	CO 3
L 30	Text Mining- flying through text	CO 3
L31	Web Mining-caught in the web	CO 3
L32	Technologies Enabling organizational memory	CO 4
L33	Technologies Enabling organizational memory	CO 4
L 34	Technologies Enabling organizational memory	CO 4
L 35	Technologies Enabling Information Integration	CO 4
L 36	Technologies Enabling Information Integration	CO 4
L 37	Technologies Enabling Insights and decisions	CO 4
L38	Technologies Enabling Insights and decisions	CO 4

MIT/GEN/F-01/R0

L. No.	Topics	Course Outcome Addressed
L 39	Technologies Enabling Insights and decisions	CO 4
L40	Technologies Enabling presentations	CO 4
L41	Technologies Enabling presentations	CO 4
L42	Business Intelligence tools and vendors	CO 4
L43	Business Intelligence tools and vendors	CO 4
L44	Development of Business Intelligence	CO 4
L45	Development of Business Intelligence	CO 4
L46	Management of Business Intelligence	CO 4
L47	The future of business intelligence	CO 4
L48	The future of business intelligence	CO 4

References:

1. Rajiv Sabherwal, Irma Becerra Fernandez, "Business Intelligence- Practices, Technologies and Management", Wiley Publications, 2011.

2. Efraim Turban, Ramesh Sharda, Jay E. Aronson, David King, "Business Intelligence- A Managerial Approach",Second Edition, Prentice Hall.

3. CindiHowson, "Successful Business Intelligence", Second Edition, McGraw Publications

4.

5.

6.

7.

MIT/GEN/F-01/R0

Submitted by: Swathi B.P   Anju R

(Signature of the faculty)

Date: 27-07-2017

Approved by: Dr. Balachandra

Dr. Balachandra
Professor & Head
Dept. of Information &
Communication Technology
M.I.T., Manipal - 576 104

27/7/17

(Signature of HOD)

Date: 27-07-2017

FACULTY MEMBERS TEACHING THE COURSE (IF MULTIPLE SECTIONS EXIST):

FACULTY	SECTION	FACULTY	SECTION
Swathi B.P	A	Anju R	B

****