

	Course Code	
2	Course Title	Business Intelligence
3	Credits	
4	Contact Hours	
5	Course Objective	<p>Learn the basics of Business Intelligence.</p> <ul style="list-style-type: none"> • Learn dashboards design by utilizing key performance indicators that managers can use to improve day-to-day business operations. • To learn how to plan and implement BI development projects. • To know the administrative and deployment scenarios & issues in BI space.
6	Course Outcomes	<p>Understand & appreciate the use of analytical skills and business principles in operational and strategic decision-making by means of BI.</p> <ul style="list-style-type: none"> • Design and develop dashboards. • Learn the best practices to work on BI projects. • Use IBM Cognos BI tool to develop, implement and administrate wide range of BI artifacts.
7	Prerequisite	
8	Course Contents	
8.01	Unit A	Introduction to Business Intelligence
8.02	Unit A Topic 1	Business Intelligence (BI), Scope of BI solutions and their fitting into existing infrastructure, BI Components and architecture, BI Components, Future of Business Intelligence, SaaS and Cloud computing techniques, Functional areas of BI tools, End user assumptions
8.03	Unit A Topic 2	, Setting up data for BI, Data warehouse, OLAP and advanced analytics, Supporting the requirements of senior executives including performance management,
8.04	Unit A Topic 3	Glossary of terms and their definitions specific to the field of BI and BI systems.
8.05	Unit B	Elements of Business Intelligence Solutions
8.06	Unit B Topic 1	Business Query and Reporting, Reporting,).
8.07	Unit B Topic 2	Dashboards and Scorecards Development, Development, Scorecards,
8.08	Unit B Topic 3	Metadata models, Automated Tasks and Events, Mobile Business Intelligence, Software development kit (SDK)
8.09	Unit C	Building BI Project
8.10	Unit C Topic 1	Stages of Business Intelligence Projects, Project Tasks

8.11	Unit C Topic 2	, Risk Management and Mitigation, Cost justifying BI solutions and measuring success.
8.12	Unit C Topic 3	, BI Design and Development
8.13	Unit D	Report Authoring
8.14	Unit D Topic 1	Building Reports, Building a Report ,
8.15	Unit D Topic 2	Drill-up,
8.16	Unit D Topic 3	Drill-down Capabilities.
8.17	Unit E	BI Deployment, Administration and Security
8.18	Unit E Topic 1	Centralized versus Decentralized Architecture, Phased and Incremental BI road map, Setting early expectations and measuring the results, EPM (Enterprise performance Management.
8.18	Unit E Topic 2), End-User Provisos, OLAP Implementation, Implementation, Data Warehouse Architecture, Predictive Analysis, Text Mining , Authentication, Authorization, Access Permissions,
8.20	Unit E Topic 3	Group and Roles, Single Sign-on (SSO), Data Backup and Restoring
10	Reading Content	
9.1	Text book*	
9.2	other references	