**Title of Course: Business Intelligence Analyst**

**Class: MSc I DS**                    **DURATION: Three Months**

**Name of Co-ordinator:  Mr.Waghamare R P**

## Department of Computer Science (Entire)

1. Title:  Business Intelligence Analyst

2.  Year of implementation:2022

### Structure of Skill Development Course

| Duration | Theory Hours | Practical Hours | Total Hours | Credits | No. of students in batch |
|---|---|---|---|---|---|
| 3 Month | 20 | 30 | 50 | 03 | 30 |

**Syllabus**

**Learning Objectives:**

1. Introduce the concepts and components of Business Intelligence (BI)

2. Evaluate the technologies that make up BI (data warehousing, OLAP)

3. Define how BI will help an organization and whether it will help yours

4. Identify the technological architecture that makes up BI systems

5. Plan the implementation of a BI system

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**Theory Syllabus (20 Hrs)**

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- **Unit I – Roles and responsibility (10)**

Introduction Business Intelligence Analyst, Requirement of BIA ,Working of BIA in company, Role of BIA, Responsibilities of BIA,

- **Unit II- Tools and Techniques (10)**

Data Warehouse, Enterprise Resource Planning, Business Intelligence and Financial Information, CRM, Strategic and Tactical Business Intelligence, Business Intelligence Dashboards, OLAP, OLTP, Business Intelligence Project Plan, Risk Management

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**Practical Syllabus (30 Hrs)**

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List of Experiments:---------------------------------------24 hr

1. Case study on Amazon
2. Case study on Uber
3. OLAP and OLTP
4. CRM case study on Phone pay
5. Case study on Risk management in Business
6. Design a Business Intelligence plan for Business

**Learning Outcomes:**

By successfully completing this course, students will be able to:

1. Business Intelligence illuminates all areas of your organization helps you to readily
2. Identify areas for improvement and allow you to be prepared instead of reactive.
3. Actionable Information: An effective Business Intelligence system serves as a means to identify key organizational patterns and trends.
4. Understand and critically apply the concepts and methods of business analytics
5. Identify, model and solve decision problems in different settings
6. Interpret results/solutions and identify appropriate courses of action for a given managerial situation whether a problem or an opportunity
7. Create viable solutions to decision making problems

**Recommended Books:**

1. Data Strategy: How To Profit From A World Of Big Data, Analytics And The Internet Of Things" by Bernard Marr
2. Data Analytics For Beginners: Your Ultimate Guide To Learn And Master Data Analysis. Get Your Business Intelligence Right – Accelerate Growth And Close More Sales" by Victor Finch
3. Data Science For Business: What You Need To Know About Data Mining And Data-Analytic Thinking" by Foster Provost & Tom Fawcett
4. Business Intelligence For Dummies" by Swain Scheps

**BOS Sub Committee:**

1. Prin. Dr. B. T. Jadhav

2. Mr. R.P. Waghamare

3. Mr. S. B. Khandagale

4. Ms. Jadhav S.P.

Academic Expert:

1. Mr. Mehul Jadhav


Industrial Expert:

1. Mr. Vijayendra Shinde