



Certified Business Intelligence
Professional
VS-1075

Vskills Certifications

Vskills Brochure



Certified Business Intelligence Professional

Certification Code VS-1075

Vskills certification for Business Intelligence assesses the candidate for a company's data analytics and business intelligence needs. The certification tests the candidates on various areas in business intelligence which includes knowledge of planning, designing, implementing and maintaining the organization's data warehouse, data mining, data analytics and data intelligence for better decision making.

Why should one take this certification?

The certification is intended for professionals and graduates wanting to excel in their chosen areas. It is also well suited for those who are already working and would like to take certification for further career progression.

Earning Vskills Business Intelligence Professional Certification can help candidate differentiate in today's competitive job market, broaden their employment opportunities by displaying their advanced skills, and result in higher earning potential.

Who will benefit from taking this certification?

Job seekers looking to find employment in MIS or analytics department of various companies, students generally wanting to improve their skill set and make their CV stronger and existing employees looking for a better role can prove their employers the value of their skills through this certification.

Test Details

- **Duration:** 60 minutes
- **No. of questions:** 50
- **Maximum marks:** 50, Passing marks: 25 (50%)

There is no negative marking in this module.

Fee Structure

Rs. 3,999/- (Excludes taxes)*

*Fees may change without prior notice, please refer <http://www.vskills.in> for updated fees

Companies that hire Vskills Certified Business Intelligence Professional

Business Intelligence professionals are in great demand. Companies specializing in Integration Services are constantly hiring knowledgeable professionals. Various banks, telecom and IT companies also need data analytics and data intelligence professionals for data management and analysis.

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- 2.4 E-commerce and BI

3. Data Management

- 3.1 Data Management
- 3.2 Reporting and Querying
- 3.3 BI and MDM
- 3.4 Knowledge Management

4. OLAP (Online analytical processing)

- 4.1 Evolution, Features and functions
- 4.2 Multidimensional analysis
- 4.3 Data drill-in and drill-up
- 4.4 OLAP Models (ROLAP and MOLAP) and applications

5. Dashboards

- 5.1 EIS
- 5.2 KPI
- 5.3 BI Dashboard

6. Data Warehousing

- 6.1 Dimensional modeling and metadata
- 6.2 ETL

7. Data Analytics

- 7.1 Concepts and terminologies
- 7.2 Techniques used (neural network, statistics, fuzzy logic, genetic algorithms)

8. Value Proposition

- 8.1 Business intelligence economics
- 8.2 Cost Matrix, SLA and ROI
- 8.3 Risk Mitigation

9. Requirement Assessment

- 9.1 Business problem assessment
- 9.2 Focusing pertinent information
- 9.3 Desired outcome specification

10. Design

- 10.1 Data and architecture design
- 10.2 Hardware and Software Selection
- 10.3 Generate data warehouse matrix
- 10.4 Dimensional modeling and ETL

11. Implementation

- 11.1 Physical Design
- 11.2 Physical Storage (SAN, RAID, etc.)
- 11.3 Indexing (B-Tree, Clustered, etc.)
- 11.4 Data partitioning and clustering for performance
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- 12.1 Security Policy, user privileges and security tools
- 12.2 Backup and Recovery
- 12.3 Monitoring and managing data growth

13. Performance Measurement

- 13.1 Observing dashboards
- 13.2 Assessing KPI and scorecard

14. Advanced BI

- 14.1 Future Trends
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Course Outline

Introduction

- ✓ Understanding the evolution, need and benefits of business intelligence
- ✓ Explaining various technical terminologies used with business intelligence

Integration

- ✓ Describing the business intelligence lifecycle and the functions of different management systems in an organization
- ✓ Illustrating the dependability and integration of ERP, SCM and E-commerce with BI

Data Management

- ✓ Detailing the process of data management in an organization
- ✓ Describing the Usage of BI for Reporting and Querying
- ✓ Understanding knowledge management and master data management (MDM) application in BI for data management

OLAP (Online analytical processing)

- ✓ Explaining the evolution, features and functions of OLAP
- ✓ Detailing the multidimensional analysis for OLAP implementation
- ✓ Illustrating the concept of data drill-in and drill-up
- ✓ Describing the various OLAP models as ROLAP and MOLAP and their applications

Dashboards

- ✓ Understanding executive information system (EIS), key performance indicator (KPI) and dashboards for BI management and control

Data Warehousing

- ✓ Describing the process of data design and dimensional modeling in data warehousing
- ✓ Explaining the process of managing metadata and focusing on the upcoming trends
- ✓ Detailing the need and techniques for extract, transform and load (ETL)

Data Analytics

- ✓ Describing the concepts and technical terminologies used in data analytics
- ✓ Detailing the different techniques used for data analytics like neural network, statistics, fuzzy logic, genetic algorithms, etc.

Value Proposition

- ✓ Understanding data mining and warehousing economics and viability derivation
- ✓ Illustrating concepts of cost matrix, SLA and ROI applied to data warehousing
- ✓ Describing the importance of risk mitigation in data mining and warehousing

Requirement Assessment

- ✓ Understanding the process for assessing the business problem
- ✓ Explaining the technique to specify desired outcomes and focus pertinent information

Design

- ✓ Illustrating the data design and architecture design process
- ✓ Describing considerations for hardware and software selection for BI
- ✓ Detailing the steps to generate data warehouse matrix and analyze dimensional modeling and ETL for BI

Implementation

- ✓ Detailing the process of physical design for implementing BI
- ✓ Explaining the various physical storage techniques like SAN, RAID, etc.
- ✓ Describing the different indexing techniques like B-Tree, clustered, etc. for optimization
- ✓ Understanding partitioning of data and clustering for improved performance
- ✓ Illustrating steps to select analytics criteria and usage of OLAP tools with data slicing or dicing in implementing BI in an organization

Post-Implementation

- ✓ Detailing the concepts and implementation of security policy, user privileges and usage of various security tools
- ✓ Describing the process for backup and recovery of data
- ✓ Illustrating the process to monitor and manage data growth in BI

Performance Measurement

- ✓ Explaining the technique for performance management by observing dashboards , assessing key performance indicators and using scorecard

Advanced BI

- ✓ Illustrating the future trends in BI as cloud computing, collaboration, mobility, etc.
- ✓ Detailing various case studies of BI

Sample Questions

1. The term DSS refer to _____.
 - A. Data Supply System
 - B. Decision Support System
 - C. Deducted Services System
 - D. None of the above

2. Partition elimination is used in _____.
 - A. De-duplication
 - B. Range Partitioning
 - C. Round Robin Partitioning
 - D. None of the above

3. The term BPR expands to _____.
 - A. Business Process Research
 - B. Business Practice Research
 - C. Business Process Re-engineering
 - D. None of the above

4. The decision node of a decision tree tests how many attribute values _____.
 - A. Single
 - B. Double
 - C. Triple
 - D. None of the above

5. Back propagation neural network uses _____.
 - A. Feed-forward topology
 - B. Feed-backward topology
 - C. Feed-either topology
 - D. None of the above

Answers: 1 (B), 2 (B), 3 (C), 4 (A), 5 (A)

Certifications

➤ Accounting, Banking and Finance

- Certified AML-KYC Compliance Officer
- Certified Business Accountant
- Certified Commercial Banker
- Certified Foreign Exchange Professional
- Certified GAAP Accounting Standards Professional
- Certified Financial Risk Management Professional
- Certified Merger and Acquisition Analyst
- Certified Tally 9.0 Professional
- Certified Treasury Market Professional
- Certified Wealth Manager

➤ Big Data

- Certified Hadoop and Mapreduce Professional

➤ Cloud Computing

- Certified Cloud Computing Professional

➤ Design

- Certified Interior Designer

➤ Digital Media

- Certified Social Media Marketing Professional
- Certified Inbound Marketing Professional
- Certified Digital Marketing Master

➤ Foreign Trade

- Certified Export Import (Foreign Trade) Professional

➤ Health, Nutrition and Well Being

- Certified Fitness Instructor

➤ Hospitality

- Certified Restaurant Team Member (Hospitality)

➤ Human Resources

- Certified HR Compensation Manager
- Certified HR Staffing Manager
- Certified Human Resources Manager
- Certified Performance Appraisal Manager

➤ Office Skills

- Certified Data Entry Operator
- Certified Office Administrator

➤ Project Management

- Certified Project Management Professional

➤ Real Estate

- Certified Real Estate Consultant

➤ Marketing

- Certified Marketing Manager

➤ Quality

- Certified Six Sigma Green Belt Professional
- Certified Six Sigma Black Belt Professional
- Certified TQM Professional

➤ Logistics & Supply Chain Management

- Certified International Logistics Professional
- Certified Logistics & SCM Professional
- Certified Purchase Manager
- Certified Supply Chain Management Professional

➤ Legal

- Certified IPR & Legal Manager
- Certified Labour Law Analyst
- Certified Business Law Analyst
- Certified Corporate Law Analyst

➤ Information Technology

- Certified ASP.NET Programmer
- Certified Basic Network Support Professional
- Certified Business Intelligence Professional
- Certified Core Java Developer
- Certified E-commerce Professional
- Certified IT Support Professional
- Certified PHP Professional
- Certified Selenium Professional
- Certified SEO Professional
- Certified Software Quality Assurance Professional

➤ Mobile Application Development

- Certified Android Apps Developer
- Certified iPhone Apps Developer

➤ Security

- Certified Ethical Hacking and Security Professional
- Certified Network Security Professional

➤ Management

- Certified Corporate Governance Professional
- Certified Corporate Social Responsibility Professional

➤ Life Skills

- Certified Business Communication Specialist
- Certified Public Relations Officer

➤ Media

- Certified Advertising Manager
- Certified Advertising Sales Professional

➤ Sales, BPO

- Certified Sales Manager
- Certified Telesales Executive

& many more job related certifications

Contact us at :

Vskills

011-473 44 723 or info@vskills.in

www.vskills.com