AGILE IT TECH

BUSINESS ANALYST COURSE

CURRICULUM

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Highlights of our result-oriented curriculum and placement assistance includes but not limited to:

1. Instructor-led interactive Live / Online classes.
2. Role-based targeted courses.
3. Winning combination of theory classes and practical assignments.
4. Recording of class videos for review later.
5. Course material and 'Blog' access for assignments, assessments, and offline Q & A.
6. E-Books, articles, and papers for in-depth knowledge and understanding.
7. Practical real-time case studies.
8. 24 x 7, on-demand support.
9. Certificate of completion and guidance for Certification Technical evaluation and mentoring
10. Assistance with structured resume preparation and submissions.
11. Mock calls interview preparation.

SECTION 1: Understanding Business Analysis and Essentials of a Business Analyst
SECTION 2: Corporate and IT Project Structure
SECTION 3: Strategic Planning Process
SECTION 4: SDLC Life-cycle
SECTION 5: Software Development Methodologies
SECTION 6: Understanding and Analyzing Business Needs
SECTION 7: Elicitation of Requirements
SECTION 8: Requirements Process – Business Process Modeling and Documentation
SECTION 9: Quality Assurance and Software Testing
SECTION 10: SQL and Database Management

The Detailed Course Curriculum is as Below:

SECTION 1: Understanding Business Analysis and Essentials of a Business Analyst

1. Introduction and understanding of business analysis
2. Effective 'Business Analysis' for desired results
3. Need and role of a Business Analyst in an IT project
4. Essentials to be a successful Business Analyst
5. Deliverables by a Business Analyst in an IT project
6. Demand and the current market for the job profile of a 'Business Analyst'
7. Growth prospects

SECTION 2: Corporate and IT Project Structure

1. Types of organizations – What is a company / client / stakeholder?
2. Structure, decision-making, and communication process of a company / client / stakeholder
3. Structure of an IT project team
4. Positioning of a Business Analyst

SECTION 3: Strategic Planning Process

1. Understanding strategic analysis
2. Components of strategy analysis and strategic planning
3. Identifying stakeholders and structure/resources of the IT project team
4. Understanding the business need and identifying the scope of the process involved
5. Identifying goals and deliverables
6. Business rule analysis
7. Techniques and tools for analysis
8. SWOT (Strengths, Weaknesses, Opportunities, and Threats)
9. PEST (Political, Economic, Social, and Technological analysis)

SECTION 4: SDLC Lifecycle – Understanding All Phases of the Complete Software Development Life Cycle

1. Eliciting and analyzing the requirement
2. Planning
3. Design – Architectural design for the software
4. Development of the software
5. Testing the deliverable as per the acceptance criteria
6. Integration
7. Deployment and Training.

SECTION 5: Software Development Methodologies

1. Understanding the software project, structure, and capabilities
2. Important and common methodologies for software development
3. Benefits and limitations of various methodologies
4. Popular software development methodologies
5. Iterative and Agile methodology (Scrum, Kanban)
6. Role of a Business Analyst in different methodologies

SECTION 6: Understanding and Analyzing Business Needs

1. Understand the scope
2. Know the stakeholders
3. Analyze current strategy, determine goals, future performance; understanding internal & external environment for evaluation of strategic alternatives
4. Feasibility study
5. Risk assessment

SECTION 7: Elicitation of Requirements

1. Types of business requirements
2. Functional
3. Non-functional
4. Categories of business requirements
5. Architectural requirements
6. Structural requirements
7. Performance requirements
8. Design requirements
9. Performance parameters
10. Operational resources
11. Environmental factors
12. Requirement work plan
13. Approach to requirement planning
14. Analytical / Investigative approach
15. Iterative approach
16. Identifying questions for requirement elicitation
17. Elicitation techniques
18. Identify the stakeholders to provide the relevant information
19. Determine the focus groups
20. Organize brainstorming sessions

21. Joint Application Development (JAD) meetings.
22. One on one interviews.
23. Prototype.
24. Business rules.
25. Collaboration with different teams.
26. Document analysis

SECTION 8: Requirements process – Business process modeling and documentation

1. Understanding and modeling business process.
2. Model exist process, identify potential improvements and design to-be process.
3. Requirement prioritization.
4. Types of required documents and templates.
5. Use case document.
6. User story.
7. Use case Vs User story.
8. Business requirement document.
9. Functional requirement document.
10. Systems requirements document.
11. UML Diagrams and process flow diagrams.
12. Structure diagrams.
13. Behavior diagrams.
14. Interaction overview diagrams.
15. Wireframe diagrams.
16. Verify and validate requirement.

SECTION 9: Quality Assurance and software testing.

1. Types of testing.
2. Manual.
3. Automation.
4. Testing tools.
5. Test Strategy.
6. Test case/test steps.
7. Testing methods.
8. Defect management life cycle.
9. Attributes.
10. Template.

11. Documentation.
12. Role of BA in the testing phase

SECTION 10: SQL and Database management
1. SQL – Basics.
2. Data modeling –Entity, attributes, and relationships.
3. Basic concepts of Database management

SECTION 11: Metrics
1. Metric s – Purpose and usability.
2. Burn-down charts.
3. Understanding Burn-down charts –Activity.
4. Requirementtraceabilitymatrix –Purpose and significance

Thank You