

Department of Economics

Business Analyst Certification Program (BACP)

Course code: CPCC01

Learning Outcomes:

Students are trained to

- Identify organisational requirements and assess solutions
- Get identified as an elite member of BA community
- Possess thorough understanding of the 6 knowledge areas of BABOK Ver3

Students will be able to clear CBAP

Syllabus:

Business analyst roles and responsibilities

Requirement gathering

Prototype requirement gathering

Functional requirement gathering

Non functional requirement gathering

SDLC

AGILE / SCRUM

User stories

Business strategy management

Unified Modeling Language UML

Business Documentation BRD,SRS FRD RTM

Business Analysis tools and techniques

JADsessions

Business Writing-

building an effective business case

Business Manual

Analytical techniques

Strategic planning

Critical thinking

Negotiation of Application features

Projects and Internship certificate

PROJECT1

User end (FUNCTIONAL) requirement gathering for:-

1. Payroll software
2. School management system
3. eCommerce software – online shopping
4. Inventory management ERP
5. Billing
6. Hospitality
7. Insurance

PROJECT 2

Admin end and system end (NON FUNCTIONAL) requirement gathering for:-

1. Payroll software
2. School management system
3. eCommerce software – online shopping
4. Inventory management ERP
5. Billing
6. Hospitality
7. Insurance

#PROJECT 3

Business flow or activity diagram for:-

1. Payroll software
2. School management system
3. eCommerce software – online shopping
4. Inventory management ERP
5. Billing
6. Hospitality
7. Insurance

#PROJECT 4

User stories for:-

1. Payroll software
2. School management system
3. eCommerce software – online shopping
4. Inventory management ERP
5. Billing
6. Hospitality
7. Insurance

#PROJECT 5

Sequence diagram and Use case diagram for

1. Payroll software
2. School management system
3. eCommerce software – online shopping
4. Inventory management ERP
5. Billing
6. Hospitality

7. Insurance

Other services:

Professional resume building, Resume Marketing

Interview guidelines, and mock sessions

GD skills



DEPARTMENT OF ECONOMICS CERTIFICATE COURSE DETAILS

NAME OF THE COURSE

Business Analyst Certification Program (BACP)

COURSE CODE

CPCC01

COURSE DETAILS

Duration: 6 months Total hours: 40 Fees: 5000/-

COURSE COORDINATOR

Jean Maria George

PARTNERSHIP WITH

Elm Institute of Business Studies, Bangalore www.elmibs.org

ABOUT COLLEGE

Christ College (Autonomous), Irinjalakuda established in the year 1956 by CMI fathers has always been a place where young generations are moulded towards a bright future. College has excellent infrastructure, with state of the art laboratories, seminar rooms and lecture halls. The campus is Wi-Fi enabled. Presently College is home for 4500+ students, 200 teaching staff and 45 supporting staff. The strength of the College lies in its hardworking and tech savvy teachers who are eager to involve in all matters of students. The lush green campus with gardens and open gym is moving towards the next phase on education both offline and online.

WHAT IS THE COURSE?

Business Analysis is the set of tasks, knowledge, and techniques required to identify business needs and determine solutions to enterprise business problems. Although, the general definition is similar, the practices and procedures may vary in various industries.

Business Analyst: A business analyst is someone who analyzes an organization or business domain (real or hypothetical) and documents its business processes, or systems, assessing the business model or its integration with technology. However, organizational titles vary such as analyst, business analyst, business systems analyst or maybe systems analyst.

Er. P. J. Andrews
In-charge of Public
Relations
Christ College (Autonomous)
Irinjalakuda

SCOPE OF THE COURSE

Business analysis helps teams create a roadmap for moving from the current state to the desired state.

Business analysis helps stakeholders achieve a shared understanding of the organization's needs. This, in turn, helps the team make data driven solutions, ultimately, puts the organization in a position to:-

- Move forward with the best set of recommendations
- To move an organization toward efficiency, productivity, and profitability.
- To define, analyze and document requirements evolve from a business need.
- To uncover unknown risks and requirements

LEARNING OUTCOMES

Students are trained to

- Identify organisational requirements and assess solutions
- Get identified as an elite member of BA community
- Possess thorough understanding of the 6 knowledge areas of BABOK Ver3
- Students will be able to clear CBAP

COURSE OUTLINE

The course gives 35+ lectures, learning materials, projects and mock interviews required for IIBA CBAP examination and BA career

- Understand what business does and how it does
- Determine how to improve existing business processes
- Identify the steps or tasks to support the implementation of new features
- Design the new features to implement
- Analyze the impact of implementing new features
- Implement the new features
- Building an effective business case

COURSE MODULES

Module 1- Business Analyst Role
Module 2- SDLC (Systems (Software) Development Life Cycle)
Module 3- Business Strategy Management
Module 4- Analytical Techniques
Module 5- UML (Unified Modeling Language)
Module 6- Business Analysis - Tools and Techniques
Module 7- JAD (Joint Application Development) Session
Module 8 – Requirement Gathering Techniques

Module 9 – BA use cases
Module 10 – Requirement Management
Module 11 – Planning good requirement RTM
Module 12 – Documents, BRD, URS, SRS, DS
Module 13- Business Analysis competencies (personal skills)
Excel skills – pivot table
PROJECTS

Contact : jeanmariageorge@gmail.com



BACP
(Value Added Certificate Course)

Course Code: CPCCo1 -

Summary Report 2022-23

During the academic year 2022-23, the course was started on 23rd November,2022. There were 35 students for the course. All the students completed the course. The course was of 30 hrs duration.

Course Outcome:

Students are trained to

- **Handle different situations in a professional and an analyst perspective.**
- **Equip themselves as a trained business analyst**
- **Get identified as an elite member of BA community**
- **Possess thorough understanding of the 6 knowledge areas of BABOK Ver3**

Coordinator: Dr. Jean Maria George

BACP
(Value Added Certificate Course)

Course Code: CPCC01-

Teacher Coordinator Report 2022-23

Number of students	35
Date of examination	28-02-2023
Total students who passed exam	35
Total course duration	30 hrs

Feedback analysis:

- **The job oriented nature of the course were very much appreciated by the students**
- **Most of the students suggested the course for coming batches**

Coordinator: Dr. Jean Maria George

BACP
Value Added Certificate Course
Assessment Procedure 2022-23

Course Code: CPCC01

Students' evaluations are determined through a combination of practice quizzes, project submissions, and interview sessions. A weightage of 20% is assigned to the project component. The assigned project entails the task of creating a resume using LaTeX. Only students who have successfully submitted their projects are eligible to participate in the final interview sessions.

During the interview sessions, a set of 10 questions from an interview question bank and 5 general questions are administered to each student. These interviews are graded out of a total of 150 marks. The top-performing responses to the 10 questions from the interview question bank are chosen as the final evaluation criteria.

Some sample questions are :

I.

1. Which of the following need not be considered in the learning technique
 - a. Visual
 - b. Auditory
 - c. Kinesthetic
 - d. None of the above

Answer d page 190 BABOK GUIDE

2. Who makes sure that the product meets expectations before the product is released and identifies new opportunities that add value to the business

- a. Business analyst
- b. Project manager
- c. Agile team
- d. None of the above

Answer a. page 380 of BABOK GUIDE

3. Which of the following are the major assumptions in place in agile environment?
- a. Change requirements are welcome even late in development
 - b. The business problems can be reduced to a set of needs that can be met using some combination of technology and process change
 - c. Agile initiatives have fully engaged customers and SMEs with complete buy- in to the agile approach
 - d. All the above

Answer d page 371 BABOK GUIDE

4. It is a technique to review the existing organizational assets that might assist in planning stakeholder engagement. Which of the following technique is correct to the statement
- a. Busine rule analysis
 - b. Brain storming
 - c. Document analysis
 - d. None of the above

Answer c. page 35 BABOK GUIDE

5. Which of the following factors would not affect the timing of the business analysis activity

- a. Availability of the resources
- b. Priority and/or the urgency of the initiatives
- c. Constraints such as contract terms or regulatory deadlines
- d. None of the above

Answer d page 28 BABOK GUIDE

6. It is a type of interview where interviewer has a predefined set of questions, which of the following is valid with respect to this statement
- a. Structured interview
 - b. Unstructured interview
 - c. Virtual interview
 - d. None of the above

Answer a. page 290 of BABOK guide

7. It's a high level estimate, generally based on limited information, which may have a wide confidence interval. Which of the following estimating method is valid with respect to the given statement?
- a. Top down
 - b. Rough order of the magnitude
 - c. PERT
 - d. None of the above

Answer b. page 272 BABOK guide

8. Which of the following are considered as the core competencies of analytical thinking and problem solving

- a. Creative thinking
- b. Learning
- c. System thinking
- d. All the above

Answer d. page 1881 of BABOK

9. The core competencies related to behavioral characteristics include
- a. Ethics
 - b. Personal accountability
 - c. Adaptability
 - d. All the above

Answer d. page 194 of BABOK GUIDE

II. General questions

1. Tell me about yourself.
2. How would you describe yourself?
3. What makes you unique?
4. Why do you want to work here?
5. What interests you about this role?
6. What motivates you?
7. What are you passionate about?
8. Why are you leaving your current job?
9. What are your greatest strengths?
10. What are your greatest weaknesses?

11. What are your goals for the future?

12. Where do you see yourself in five years?

13. Can you tell me about a difficult work situation and how you overcame it?

14. What is your salary range expectation?

15. Why should we hire you?

16. Do you have any questions?

17. Tell me about yourself/ brief your CV

18. Explain the projects you were involved in the previous company

19. What are the key strength of a business analyst according to you

BA is an evolving profession so a BA should have skills for success. Technical as well non tech

20. What is the importance of a flow chart

Flow charts are used to show the complete flow of system through symbols and diagrams. Importance is it makes the system easy to understand for the developers and all concerned people

21. What are the key differentiating factors that you have that make you eligible?

22. What is a use case model? explain in brief.

23. Do you know SDLC

It denotes the software development life cycle. Sometime it is also called as system development life cycle, /application development life cycle. It is used to describe the process for planning, creating, testing and deploying an information system. It includes 5 phases planning, analysing, design, implementation and maintenance

24. Do you know QA or testing cycle

25. Name the skills which business analyst should have?

ANALYTICAL SKILLS, LISTENING SKILLS, problem solving approach, quick learner, tech savy, think beyond box, critical thinking, communication skills

26. What are roles and responsibilities of business analyst

Organize requirement and document it in clear format

Make sure cordiantion between the client and development team

27.What is called UML modelling?

UML stands for unified modelling language. To visualize, document and construct various components of a system

28.What is the importance of an activity diagram?

To show different activities taking place in defferent departments of an organisation

29.How many types of diagrams you know?

30.What is alternative flow in use case?

Alternative solution or activity in use case that should be followed in case any failure in the system.

31.What is exception flow in use case?

Unaccepted situations or results in an application

32.What is extends and includes in use case?

Actions that must take place in use case

33.What are different documents relate to use case?

FRD (Functional Requirement Document)

SDD(System Design Document)

34.What documents you have created?

I have worked on Functional Specification Documents, business requirement documents, Use Case Diagrams etc.

35.Stages required to develop a product from an idea?

Perform market analysis, competitor analysis, swot analysis, personas, strategic vision and feature set, prioritize features, use cases, SDLC, story boards, test cases, monitoring, scalability.

36.Have you heard about personas?

Basically social roles performed by any actor or director (group of customers/ end users). Used instead of real users that assist developers and technical team to judge user behaviour in different scenarios, more clearly.

37.SaaS?

SOFTWARE AS A SERVICE. Related to cloud computing, you don't need these types of softwares to be installed in your system. All you need is an internet connection and a web browser to use it

38.OLTP systems?

Online transaction processing

Systems are capable to perform database transactions and are meant to provide good speed for transactions

39.Pugh matrix?

To decide Most optimal and alternative solutions

Part of six sigma technique

40.FMEA ?

Failure Mode and Effect Analysis

Failure analysis used in product development, system engineering and operations management

41.100-point method?

To assign priority to different steps in a process

Each group member is supposed to assign points to different steps. At the end points for each step will be calculated and steps will be prioritised.

42.8- omega?

Business framework adopted by firms and organisations

Key factors are strategy, people process and technology

43.Mis –use case?

What kind of wrong activities can be performed by an actor that may result in system failure

44. Square?

Security quality requirement engineering. One of the software engineering steps that focus on documenting the security requirements

45. Pareto analysis?

Decision making technique also known as 80/20 rule

Used for quality control and defect resolution

46. Agile manifesto?

Guide for software developers about the development principles to ensure iterative solutions

47. BPMN?

Business process model notation

Graphical representation of process of a business

48. Bpmn gateway? 5 categories in bpmn?

49. Data base transaction?

When we perform an activity in a data base like addition, deletion, modification or searching, it is said to be a data base transaction

50. Kano analysis, have you ever used it?

Course Coordinator: Dr. Jean Maria George

Sl.No.	Name	Department	Phone Number	Name of the holder of account from which payment was made (Eg: if you have made payment from your parent's account give parent's name)	Date of 1 st Transaction	fees	2nd instalment
1	Devikrishna B.R		7510307825	Devikrishna B.R	23-04-2022	1000	
2	CHRIS RICHARD ANTONY		9207053842	CHRIS RICHARD ANTONY	23-04-2022	5000	
3	Sreelakshmi		9539787447	Sreelakshmi Sreeloos	23-04-2022	5000	
4	Sethulakshmi m s	BBA	9846739456	Sreelakshmi M S	23-04-2022	5000	
5	Christina Titus	BBA	8848131574	Christina Titus	24-04-2022	1000	
6	Zahera A A	BBA	9745863686	Zeenath	25-04-2022	5000	
7	Malavika I	BBA	8281786614	Hridya Sunny	25-04-2022	1000	
8	JOE MOL K G	B.Com	8590405311	JOEMOL K G	25-04-2022	1000	4000
9	Karthika Sathyan	Bcom	7994683172	Karthika Sathyan	25-04-2022	1000	2000
10	Anusree P.T	B.A Economics	8281688511	Ajitha T.D	28-04-2022	1000	
11	Merin Joseph	BA Economics	7902948472	Merin Joseph Thekkuden	28-04-2022	5000	2000
12	Aaliya Parvin A M	Economics	8089241497	Aaliya Parvin A M	01-05-2022	1000	1000