Department of Vocational Studies

Pavanatma College, Murickassery

Idukki-685604

Curriculum Framework

B.Voc DTP and Printing Technology

Table of Contents

Course – I   Semester – I

Listening and speaking skills in English

1.1 Course Overview

1	Course	Core
2	Course Type	Theory
3	Course Code	BOCG101
4	Credit	4
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	72
9	Hours per Week	4
10	Number of Modules	5
Distribution of Internal Marks		
11	Attendance	5
12	Assignment/Seminar	5
13	Assessment Test	$10\ (2 \times 5 = 10)$

1.2 Curriculum Structure

Module	Module Title	Delivery Methods	Total hours
1	Pronunciation and neutralisation of accent	Lecturing	10
2	Listening skills	Lecturing	20
3	Speaking skills	interactive talk	20
4	Fluency	Lecturing	12
5	Reading skills	Lecturing	10

1.3 Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Assignments	Internal Assessment
3	Seminar	Internal Assessment
4	University Examination	External Assessment

1.4 Course Outcome

CO-1	Understand the process of communication and its effect on giving and receiving information
CO-2	Apply effective communication skills in a variety of public and interpersonal settings
CO-3	Discover the impact of changing communication methods on society
CO-4	Develop analytical, research, and organizational skills

1.5   CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	0	0	2	0	0	0	0	0	0	0
CO-2	1	0	0	0	3	0	0	0	0	0
CO-3	0	0	2	0	0	0	0	0	0	0
CO-4	2	0	0	0	0	0	0	0	0	0

1.6   CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	3	0	0	0	0
CO-2	0	2	2	0	0	0
CO-3	0	2	1	0	0	0
CO-4	0	2	2	0	0	0

Course – II   Semester – & I

IT for business(P)

2.1   Course Overview

1	Course	Core
2	Course Type	Practical
3	Course Code	BOCG102
4	Credit	4
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	144
9	Hours per Week	3
10	Number of Experiments	15
11	Total Week to complete	27
Distribution of Internal Marks		
12	Attendance	2
13	Record	4
14	Assessment Test	4 ($1 \times 4 = 1$)

2.2 Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Practical Record	Internal Assessment
3	Exprimental Skill	Internal Assessment
4	University Examination	External Assessment

2.3 Course Outcome

CO-1	Understand the meaning of life and its challenges.
CO-2	Develop oneâĂŹs self understanding.
CO-3	Provided with skills and knowledge needed to cope with lifeâĂŹs problems and challenges.
CO-4	Develop critical thinking skills so participants learn a number of alternatives in dealing with a difficult situation.

2.4 CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	2	0	0	0	0	0	0	0	0	0
CO-2	0	0	2	0	0	0	0	0	0	0
CO-3	1	0	0	0	3	0	0	0	0	0
CO-4	0	0	2	0	0	0	0	0	0	0

2.5   CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	0	0	2	0	0
CO-2	0	0	2	0	0	0
CO-3	3	0	0	0	0	0
CO-4	0	0	0	0	3	0

Course – III   Semester – I

Basic concepts of computer

3.1   Course Overview

1	Course	Core
2	Course Type	Theory
3	Course Code	DBOC103
4	Credit	6
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	72
9	Hours per Week	5
10	Number of Modules	5
Distribution of Internal Marks		
11	Attendance	5
12	Assignment/Seminar	5
13	Assessment Test	10 ($2 \times 5 = 10$)

3.2 Curriculum Structure

Module	Module Title	Delivery Methods	Total hours
1	Computer Fundamentals	Lecturing	10
2	computer langugage	Lecturing	20
3	operating systems	interactive talk	12
4	internet	Lecturing	20
5	cyber security	Lecturing	10

3.3 Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Assignments	Internal Assessment
3	Seminar	Internal Assessment
4	University Examination	External Assessment

3.4 Course Outcome

CO-1	Microsoft WordÂăis a sophisticatedÂăwordÂăprocessing application program
CO-2	To create just about any kind ofÂăbusinessÂădocument, including companyÂăreports, presentations.
CO-3	To create text documents that can be saved electronically, printed on paper or saved as PDF files.
CO-4	understand functioning of OS

3.5   CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	0	0	2	0	0	0	0	0	0	0
CO-2	1	0	0	0	3	0	0	0	0	0
CO-3	0	0	2	0	0	0	0	0	0	0
CO-4	3	0	0	0	0	0	0	0	0	0

3.6   CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	2	2	0	0	0
CO-2	0	2	1	0	0	0
CO-3	0	2	2	0	0	0
CO-4	0	0	0	2	0	0

Course – IV   Semester – I

Life skill

4.1   Course Overview

1	Course	Core
2	Course Type	Theory
3	Course Code	PBOC104
4	Credit	4
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	72
9	Hours per Week	3
10	Number of Modules	5
Distribution of Internal Marks		
11	Attendance	5
12	Assignment/Seminar	5
13	Assessment Test	10 ($2 \times 5 = 10$)

4.2 Curriculum Structure

Module	Module Title	Delivery Methods	Total hours
1	Restructuring oneâĞs own life story:	Workshop	10
2	Self acceptance, Self esteem, Self concept	Erudite lecture	10
3	Positive thinking. Definition of personality,	Personal counselling	20
4	Motivation	Seminars	12
5	Planning for life:	Personal counselling	20

4.3 Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Assignments	Internal Assessment
3	Seminar	Internal Assessment
4	University Examination	External Assessment

4.4   Course Outcome

CO-1	Understand the meaning of life and its challenges.
CO-2	Develop oneâĂŹs self understanding.
CO-3	Provided with skills and knowledge needed to cope with lifeâĂŹs problems and challenges.
CO-4	Develop critical thinking skills so participants learn a number of alternatives in dealing with a difficult situation.

4.5   CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	0	0	0	0	0	0	0	0	2	0
CO-2	0	0	0	0	0	0	0	0	0	1
CO-3	2	0	0	0	0	0	0	0	0	0
CO-4	0	0	0	3	0	0	0	0	0	0

4.6   CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	0	2	0	0	0
CO-2	0	2	2	0	0	0
CO-3	0	2	1	0	0	0
CO-4	0	2	2	0	0	0

Course – V   Semester – I

Fundamentals of dtp

5.1   Course Overview

1	Course	Core
2	Course Type	Theory
3	Course Code	DBOC105
4	Credit	6
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	72
9	Hours per Week	5
10	Number of Modules	5
Distribution of Internal Marks		
11	Attendance	5
12	Assignment/Seminar	5
13	Assessment Test	$10 \ (2 \times 5 = 10)$

5.2   Curriculum Structure

Module	Module Title	Delivery Methods	Total hours
1	Desk Top Publishing	Lecturing, questioning	10
2	Typography	Lecturing, questioning	20
3	Paper Introduction and preparation	Presentation, Practising	20
4	Concept of layout	Presentation, Practising	12
5	Networking Concept, Printing Process	Lecturing, questioning	10

5.3   Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Assignments	Internal Assessment
3	Seminar	Internal Assessment
4	University Examination	External Assessment

5.4   Course Outcome

CO-1	To Âăcreation of documents usingÂăpage layoutÂăsoftwareÂăon a personal computer
CO-2	To support for Numerous Project Types
CO-3	To recognize the paper sizes and its weight/thickness
CO-4	To create any type of DTP works within the programmes.

5.5 CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	0	0	0	0	0	0	3	2	0	0
CO-2	0	0	0	1	0	0	0	0	0	1
CO-3	1	0	0	0	0	0	0	2	0	0
CO-4	3	0	0	0	0	0	0	0	0	0

5.6 CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	0	0	2	0	0
CO-2	0	0	2	0	0	0
CO-3	0	0	0	0	3	0
CO-4	0	2	2	0	0	0

Course – VI   Semester – & I

Basic platform of pagelayout(P)

6.1   Course Overview

1	Course	Core
2	Course Type	Practical
3	Course Code	DBOC106
4	Credit	6
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	144
9	Hours per Week	5
10	Number of Experiments	15
11	Total Week to complete	18
Distribution of Internal Marks		
12	Attendance	2
13	Record	4
14	Assessment Test	4 ($1 \times 4 = 1$)

6.2 Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Practical Record	Internal Assessment
3	Exprimental Skill	Internal Assessment
4	University Examination	External Assessment

6.3 Course Outcome

CO-1	To create professional-quality publications for their personal or business needs.
CO-2	To become composition skills and typography skills
CO-3	To provide working with graphics
CO-4	To enhance Creating simple single and multipage publications in English and Malayalam languages.

6.4 CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	0	0	0	0	0	0	0	0	2	0
CO-2	0	0	0	0	0	0	0	0	0	1
CO-3	2	0	0	0	0	0	0	0	0	0
CO-4	3	0	0	0	0	0	0	0	0	0

6.5   CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	2	1	0	0	0
CO-2	0	2	2	0	0	0
CO-3	0	0	0	2	0	0
CO-4	0	0	2	0	0	0

Course – VII   Semester – II

Academic Writing and Presentation Skills in English

7.1   Course Overview

1	Course	Core
2	Course Type	Theory
3	Course Code	BOCG201
4	Credit	4
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	72
9	Hours per Week	4
10	Number of Modules	5
Distribution of Internal Marks		
11	Attendance	5
12	Assignment/Seminar	5
13	Assessment Test	10 (2 × 5 = 10)

7.2 Curriculum Structure

Module	Module Title	Delivery Methods	Total hours
1	Letter Writing	Lecturing	10
2	Academic and business Communication	Lecturing	20
3	Presentation Skills	Chalk and talk	20
4	Non-verbal communication	Lecturing	12
5	NIL	Erudite lectures	10

7.3 Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Assignments	Internal Assessment
3	Seminar	Internal Assessment
4	University Examination	External Assessment

7.4 Course Outcome

CO-1	To create professional-quality publications for their personal or business needs.
CO-2	To become composition skills and typography skills
CO-3	To provide working with graphics
CO-4	To enhance Creating simple single and multipage publications in English and Malayalam languages.

7.5   CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	0	0	0	0	0	0	0	0	2	0
CO-2	0	0	0	0	0	0	0	0	0	1
CO-3	2	0	0	0	0	0	0	0	0	0
CO-4	3	0	0	0	0	0	0	0	0	0

7.6   CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	0	2	0	0	0
CO-2	0	0	0	0	3	0
CO-3	0	2	2	0	0	0
CO-4	0	2	1	0	0	0

Course – VIII   Semester – I & II

Data Processing through MS Excel (P)

8.1   Course Overview

1	Course	Core
2	Course Type	Practical
3	Course Code	PBOC202
4	Credit	6
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	144
9	Hours per Week	6
10	Number of Experiments	15
11	Total Week to complete	15
Distribution of Internal Marks		
12	Attendance	2
13	Record	4
14	Assessment Test	4 ($1 \times 4 = 1$)

8.2 Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Practical Record	Internal Assessment
3	Exprimental Skill	Internal Assessment
4	University Examination	External Assessment

8.3 Course Outcome

CO-1	Engage in formality to ensure better quality and professionalism in works
CO-2	Tied with intellectual powers and ability to cognitively analyse ideologies
CO-3	Be able to use the new mediaâĂŹs of communication to gather knowledge at will
CO-4	Opportunities in the fields of mass communication

8.4 CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	0	0	0	0	0	0	0	0	2	0
CO-2	0	0	0	0	0	0	0	0	0	1
CO-3	2	0	0	0	0	0	0	0	0	0
CO-4	0	0	2	0	0	0	0	0	0	0

8.5   CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	2	2	0	0	0
CO-2	0	0	0	2	0	0
CO-3	0	0	2	0	0	0
CO-4	0	0	2	0	0	0

Course – IX   Semester – II

Binding and finishing Technology

9.1   Course Overview

1	Course	Core
2	Course Type	Theory
3	Course Code	DBOC203
4	Credit	4
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	72
9	Hours per Week	4
10	Number of Modules	5
Distribution of Internal Marks		
11	Attendance	5
12	Assignment/Seminar	5
13	Assessment Test	10 (2 × 5 = 10)

9.2 Curriculum Structure

Module	Module Title	Delivery Methods	Total hours
1	Bookbinding,	Lecturing, questioning	10
2	Modern commercial binding	Lecturing, questioning	10
3	Perfect binding	Chalk and talk, ICT	20
4	Periodical/Journal Binding,	Lecturing	12
5	Conservation and restoration of books	Lecturing	20

9.3 Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Assignments	Internal Assessment
3	Seminar	Internal Assessment
4	University Examination	External Assessment

9.4   Course Outcome

CO-1	To set up, operate, and maintain the machines that perform these various tasks, while bookbinders perform highly skilled operations
CO-2	To enhance to shape book bodies with presses and trimming machines and reinforce them with glued fabric strips.
CO-3	To build strength into aÂăbook, subjected to the rigorous and abuses of library usage.
CO-4	Understand the practical aspects in paper cutting machines, its operations

9.5   CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	1	0	0	0	3	0	0	0	0	0
CO-2	0	0	2	0	0	0	0	0	0	0
CO-3	0	0	0	0	0	0	0	0	2	0
CO-4	0	0	0	0	0	1	0	0	0	0

9.6   CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	0	2	0	0	0
CO-2	0	0	2	0	0	0
CO-3	0	0	2	0	0	0
CO-4	0	0	2	0	0	0

Course – X   Semester – I & II

Image editing for printing(P)

10.1   Course Overview

1	Course	Core
2	Course Type	Practical
3	Course Code	DBOC204
4	Credit	6
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	144
9	Hours per Week	6
10	Number of Experiments	15
11	Total Week to complete	15
Distribution of Internal Marks		
12	Attendance	2
13	Record	4
14	Assessment Test	$4 (1 \times 4 = 1)$

10.2 Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Practical Record	Internal Assessment
3	Exprimental Skill	Internal Assessment
4	University Examination	External Assessment

10.3 Course Outcome

CO-1	To create a full, rich experience for the reader or customer to enhance the customer experience visually.Âă
CO-2	To create graphics designers, professional photographers, and even hobbyists to edit graphics as well as create and manipulate images.
CO-3	To develop their skills in editing and altering photographs for through a basic understanding of the tool bar, layers, and the adjustments panel.
CO-4	To improve their aesthetic qualities by creating a new designÂăand thereby attracting readers to them.

10.4 CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	0	0	0	0	0	0	0	0	0	3
CO-2	1	0	0	0	0	0	0	0	0	2
CO-3	0	0	0	3	0	0	0	0	0	0
CO-4	0	0	0	0	0	0	3	2	0	0

10.5   CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	0	2	0	0	0
CO-2	0	0	2	0	0	0
CO-3	0	0	2	0	0	0
CO-4	3	0	0	0	0	0

Course – XI   Semester – II

Fundamentals of graphic desgn

11.1   Course Overview

1	Course	Core
2	Course Type	Theory
3	Course Code	DBOC205
4	Credit	4
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	72
9	Hours per Week	5
10	Number of Modules	5
Distribution of Internal Marks		
11	Attendance	5
12	Assignment/Seminar	5
13	Assessment Test	10 ($2 \times 5 = 10$)

11.2   Curriculum Structure

Module	Module Title	Delivery Methods	Total hours
1	Basic elements and cocepts of Visual Design	Lecture,workshop,demonstration	10
2	Principles of Design	Presentation, workshop	20
3	Digital image pixels	Demonstration,	20
4	Introduction to Colour classificatiom	Demonstration,	12
5	Introduction to typography	Demonstration,	10

11.3   Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Assignments	Internal Assessment
3	Seminar	Internal Assessment
4	University Examination	External Assessment

11.4   Course Outcome

CO-1	To provide the students with initial information on designing what is seen in future
CO-2	to understand basic elements and principles in design
CO-3	To understand designing in raster graphics application
CO-4	To understand image editing or enhancing techniques

11.5 CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	0	0	0	1	0	0	0	0	0	1
CO-2	0	0	0	4	0	0	0	0	0	0
CO-3	0	0	0	0	0	0	3	2	0	0
CO-4	0	0	0	1	0	0	0	0	0	1

11.6 CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	0	0	0	3	0
CO-2	0	0	2	0	0	0
CO-3	3	0	0	0	0	0
CO-4	0	0	0	0	3	0

Course – XII   Semester – I & II

NIL(P)

12.1   Course Overview

1	Course	Core
2	Course Type	Practical
3	Course Code	DBOC206
4	Credit	6
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	144
9	Hours per Week	1
10	Number of Experiments	15
11	Total Week to complete	75
Distribution of Internal Marks		
12	Attendance	2
13	Record	4
14	Assessment Test	4 ($1 \times 4 = 1$)

12.2   Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Practical Record	Internal Assessment
3	Exprimental Skill	Internal Assessment
4	University Examination	External Assessment

12.3   Course Outcome

CO-1	ability to understand the practical aspects in a professional design studio
CO-2	Accure a minimum of two years experience in designing field
CO-3	Ability to produce print designs
CO-4	Work in a printing press or flex printing press

12.4   CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	1	0	0	0	0	0	0	2	0	0
CO-2	0	0	0	0	0	0	0	0	2	0
CO-3	0	0	0	0	0	1	0	0	0	0
CO-4	0	0	0	0	0	0	0	0	0	3

12.5   CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	0	0	0	3	0
CO-2	0	0	2	0	0	0
CO-3	0	0	2	0	0	0
CO-4	0	0	2	0	0	0

Course – XIII   Semester – III

Principles of Management

13.1   Course Overview

1	Course	Core
2	Course Type	Theory
3	Course Code	BOCG301
4	Credit	4
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	72
9	Hours per Week	4
10	Number of Modules	5
Distribution of Internal Marks		
11	Attendance	5
12	Assignment/Seminar	5
13	Assessment Test	10 ($2 \times 5 = 10$)

13.2 Curriculum Structure

Module	Module Title	Delivery Methods	Total hours
1	Nature and Process of Management	Workshop	10
2	Planning: Objectives	Erudite lecture	20
3	Organising	Personal counselling	20
4	Staffing	Seminars	12
5	Directing and Controlling	Personal counselling	10

13.3 Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Assignments	Internal Assessment
3	Seminar	Internal Assessment
4	University Examination	External Assessment

13.4 Course Outcome

CO-1	Able to understand the role of management in daily life
CO-2	Imparts planning and organizing skills
CO-3	Obtain clear idea about the behaviour of human beings
CO-4	Able to find various techniques of communications and motivation

13.5 CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	1	0	0	0	0	0	0	0	0	2
CO-2	0	0	0	0	0	0	0	0	2	0
CO-3	0	0	0	0	0	1	0	0	0	0
CO-4	0	0	0	0	0	0	0	0	0	3

13.6 CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	0	2	0	0	0
CO-2	0	0	2	0	0	0
CO-3	0	0	2	0	0	0
CO-4	3	0	0	0	0	0

Course – XIV   Semester – III

Planning for print production.

14.1   Course Overview

1	Course	Core
2	Course Type	Theory
3	Course Code	DBOC302
4	Credit	4
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	72
9	Hours per Week	5
10	Number of Modules	5
Distribution of Internal Marks		
11	Attendance	5
12	Assignment/Seminar	5
13	Assessment Test	10 ($2 \times 5 = 10$)

14.2   Curriculum Structure

Module	Module Title	Delivery Methods	Total hours
1	Print Planning	Lecturing, questioning	12
2	Paper. Main classes of paper	Lecturing, questioning	20
3	Offset inks	Presentation, Practising	20
4	Paper coatings	Presentation, Practising	10
5	Availability of various paper types	Lecturing, questioning	10

14.3   Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Assignments	Internal Assessment
3	Seminar	Internal Assessment
4	University Examination	External Assessment

14.4 Course Outcome

CO-1	The students will be having the detailed knowledge of different conventional and non conventional materials
CO-2	To understand the concept of various finishing techniques, Finishing materials and different forms of packaging.
CO-3	Able to conclude about Modern Printing Systems and various perspectives associated with it.
CO-4	Along with their identification and testing techniques and they will able to implement their knowledge for printing.

14.5 CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	2	0	0	0	0	0	0	0	0	0
CO-2	0	0	0	0	2	0	0	0	0	0
CO-3	0	0	0	0	0	0	0	0	0	3
CO-4	0	0	0	0	0	0	0	0	3	0

14.6 CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	0	0	0	3	0
CO-2	3	0	0	0	0	0
CO-3	0	0	0	0	3	0
CO-4	0	2	2	0	0	0

Course – XV   Semester – II & III

Vector Graphics Editor(P)

15.1   Course Overview

1	Course	Core
2	Course Type	Practical
3	Course Code	DBOC303
4	Credit	6
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	144
9	Hours per Week	6
10	Number of Experiments	15
11	Total Week to complete	15
Distribution of Internal Marks		
12	Attendance	2
13	Record	4
14	Assessment Test	4 ($1 \times 4 = 1$)

15.2   Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Practical Record	Internal Assessment
3	Exprimental Skill	Internal Assessment
4	University Examination	External Assessment

15.3   Course Outcome

CO-1	To collects and analyzes, develops a logo designÂăin various forms to be able to offer to the client.
CO-2	It isÂăused primarily for marketing and advertising businesses, particularly those that specialize in print advertising development.
CO-3	It is a vector basedÂădesigning softwareÂăwhich is used for creating logos, flexes, brochures, invitation cards and any kind of vector designing.
CO-4	Ability to create and edit blends envelops

15.4   CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	0	0	2	0	0	0	0	0	0	0
CO-2	1	0	0	0	3	0	0	0	0	0
DBO-3	0	0	2	0	0	0	0	0	0	0
CO-4	2	0	0	0	0	0	0	0	0	0

15.5   CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	2	1	0	0	0
CO-2	0	2	2	0	0	0
CO-3	0	0	0	2	0	0
CO-4	0	0	2	0	0	0

Course – XVI   Semester – II & III

Art of Illustrations(P)

16.1   Course Overview

1	Course	Core
2	Course Type	Practical
3	Course Code	DBOC304
4	Credit	6
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	144
9	Hours per Week	6
10	Number of Experiments	15
11	Total Week to complete	15
Distribution of Internal Marks		
12	Attendance	2
13	Record	4
14	Assessment Test	4 (1 × 4 = 1)

16.2 Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Practical Record	Internal Assessment
3	Exprimental Skill	Internal Assessment
4	University Examination	External Assessment

16.3 Course Outcome

CO-1	Creative and imaginative with an eye for color, balance, and layout
CO-2	Able to create a drawing that expresses an idea or concept
CO-3	Creativity and imagination
CO-4	To enjoy creative work

16.4 CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	2	0	0	0	0	0	0	0	0	0
CO-2	0	0	2	0	0	0	0	0	0	0
CO-3	1	0	0	0	3	0	0	0	0	0
CO-4	0	0	2	0	0	0	0	0	0	0

16.5 CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	2	2	0	0	0
CO-2	0	0	0	2	0	0
CO-3	0	0	2	0	0	0
CO-4	0	2	2	0	0	0

Course – XVII   Semester – III

Offset printng techonoly

17.1   Course Overview

1	Course	Core
2	Course Type	Theory
3	Course Code	DBOC305
4	Credit	4
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	72
9	Hours per Week	4
10	Number of Modules	5
Distribution of Internal Marks		
11	Attendance	5
12	Assignment/Seminar	5
13	Assessment Test	$10\ (2 \times 5 = 10)$

17.2 Curriculum Structure

Module	Module Title	Delivery Methods	Total hours
1	Principles of lithography	Lecturing, questioning	12
2	Printing unit configuration	Lecturing	10
3	Introduction to Blankets rollers	Chalk and talk, ICT	20
4	Printing and inline operations	Chalk and talk, ICT	10
5	Metal printing	Chalk and talk, ICT	20

17.3 Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Assignments	Internal Assessment
3	Seminar	Internal Assessment
4	University Examination	External Assessment

17.4 Course Outcome

CO-1	To understand the principles of lithography.
CO-2	To analyse and understand the various aspects of print unit configuration
CO-3	To understand the aspects of Blankets rollers.
CO-4	To analyse and understand various aspects in printing and inline operations

17.5   CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	2	0	0	0	0	0	0	0	0	0
CO-2	0	0	2	0	0	0	0	0	0	0
CO-3	1	0	0	0	3	0	0	0	0	0
CO-4	0	0	2	0	0	0	0	0	0	0

17.6   CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	0	3	0	0	0
CO-2	0	0	3	0	1	0
CO-3	0	0	0	0	2	0
CO-4	0	0	0	0	3	0

Course – XVIII   Semester – II & III

NIL(P)

18.1   Course Overview

1	Course	Core
2	Course Type	Practical
3	Course Code	DBOC306
4	Credit	6
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	144
9	Hours per Week	1
10	Number of Experiments	15
11	Total Week to complete	75
Distribution of Internal Marks		
12	Attendance	2
13	Record	4
14	Assessment Test	4 ($1 \times 4 = 1$)

18.2   Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Practical Record	Internal Assessment
3	Exprimental Skill	Internal Assessment
4	University Examination	External Assessment

18.3   Course Outcome

CO-1	ability to understand the practical aspects in a professional design studio
CO-2	Accure a minimum of two years experience in designing field
CO-3	Ability to produce print designs
CO-4	Work in a printing press or flex printing press

18.4   CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	2	0	0	0	0	0	0	0	0	0
CO-2	0	2	0	0	0	0	0	0	0	0
CO-3	0	0	0	3	0	0	0	0	0	0
CO-4	0	0	0	0	0	2	0	0	0	0

18.5   CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	2	0	0	0	0
CO-2	1	0	0	0	0	0
CO-3	0	0	0	2	0	0
CO-4	1	0	0	0	0	0

Course – XIX   Semester – IV

Soft Skills and Presentation

19.1   Course Overview

1	Course	Core
2	Course Type	Theory
3	Course Code	BOCG401
4	Credit	4
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	72
9	Hours per Week	4
10	Number of Modules	5
Distribution of Internal Marks		
11	Attendance	5
12	Assignment/Seminar	5
13	Assessment Test	10 ($2 \times 5 = 10$)

19.2   Curriculum Structure

Module	Module Title	Delivery Methods	Total hours
1	Personal Skills	Lecturing	10
2	Social Skills	Lecturing	10
3	Personality Development	interactive talk	20
4	Presentation skills	Lecturing	12
5	Professional skills	Lecturing	20

19.3   Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Assignments	Internal Assessment
3	Seminar	Internal Assessment
4	University Examination	External Assessment

19.4   Course Outcome

CO-1	Improves the personal skills
CO-2	Development of the overall personality
CO-3	Improve presentation skills
CO-4	Build professional skills

19.5   CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	2	0	0	0	0	0	0	0	0	0
CO-2	0	0	2	2	0	0	0	0	0	0
CO-3	2	0	0	0	0	3	0	0	3	3
CO-4	2	0	0	0	0	0	0	0	0	3

19.6   CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	0	0	2	0	0
CO-2	0	0	2	0	0	0
CO-3	0	2	2	0	0	0
CO-4	0	0	0	2	0	0

Course – XX   Semester – IV

Digital Printing

20.1   Course Overview

1	Course	Core
2	Course Type	Theory
3	Course Code	DBOC402
4	Credit	4
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	72
9	Hours per Week	4
10	Number of Modules	5
Distribution of Internal Marks		
11	Attendance	5
12	Assignment/Seminar	5
13	Assessment Test	10 ($2 \times 5 = 10$)

20.2 Curriculum Structure

Module	Module Title	Delivery Methods	Total hours
1	Digital Printing Introduction	Lecture,workshop,demonstration	10
2	Combine the works of various designing and drawing software	Presentation, workshop	10
3	Digital Printing	Demonstration,	20
4	Process of Digital Printing	Demonstration,	12
5	Skills and Proficiencies required for a printing machine operator	Demonstration,	20

20.3 Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Assignments	Internal Assessment
3	Seminar	Internal Assessment
4	University Examination	External Assessment

20.4 Course Outcome

CO-1	Top-notch image quality
CO-2	Cost-effective for high volume prints
CO-3	Wide variety of colors are available such as foils, Pantone,Âăfluorescence, varnish
CO-4	Special inks can be added for effects

20.5 CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	2	0	0	0	0	0	0	0	0	0
CO-2	0	2	0	0	0	0	0	0	0	0
CO-3	0	0	0	3	0	0	0	0	0	0
CO-4	2	0	0	0	0	0	0	0	0	0

20.6 CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	0	2	0	0	0
CO-2	0	2	2	0	0	0
CO-3	0	0	3	0	0	0
CO-4	0	0	3	0	1	0

Course – XXI   Semester – IV

Graphic reproduction

21.1   Course Overview

1	Course	Core
2	Course Type	Theory
3	Course Code	DBOC403
4	Credit	4
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	72
9	Hours per Week	5
10	Number of Modules	5
Distribution of Internal Marks		
11	Attendance	5
12	Assignment/Seminar	5
13	Assessment Test	10 ($2 \times 5 = 10$)

21.2 Curriculum Structure

Module	Module Title	Delivery Methods	Total hours
1	Basic steps involved in planning a layout	Lecturing	10
2	Color and Color theory	Lecturing	10
3	Prepress color proofing	interactive talk	20
4	Planographic plates:	Lecturing	12
5	Sensitized photo polymerization	Lecturing	20

21.3 Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Assignments	Internal Assessment
3	Seminar	Internal Assessment
4	University Examination	External Assessment

21.4 Course Outcome

CO-1	The process of color separation can be accomplished photographically, electronically, or on the desktop.
CO-2	The gray axis of the image should be preserved.
CO-3	MaximumÂă luminance contrastÂă(black to white) is desirable.
CO-4	Few colors should lie outside the destination gamut.

21.5   CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	0	2	0	0	0	0	0	0	0	0
CO-2	0	0	0	3	0	0	0	0	0	0
CO-3	0	0	0	0	0	2	0	0	0	0
CO-4	2	0	0	0	0	0	0	0	0	0

21.6   CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	0	0	0	2	0
CO-2	0	0	0	0	3	0
CO-3	0	2	0	0	0	0
CO-4	1	0	0	0	0	0

Course – XXII   Semester – IV

Xerox Scanning and Image generation

22.1   Course Overview

1	Course	Core
2	Course Type	Theory
3	Course Code	DBOC404
4	Credit	6
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	72
9	Hours per Week	6
10	Number of Modules	5
Distribution of Internal Marks		
11	Attendance	5
12	Assignment/Seminar	5
13	Assessment Test	$10 \ (2 \times 5 = 10)$

22.2 Curriculum Structure

Module	Module Title	Delivery Methods	Total hours
1	History of photocopying	Lecture,workshop,demonstration	10
2	Copying of image and documents	Presentation, workshop	10
3	Principle of scanning	Demonstration,	20
4	Reading of color strip	Demonstration,	12
5	Color management	Demonstration,	20

22.3 Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Assignments	Internal Assessment
3	Seminar	Internal Assessment
4	University Examination	External Assessment

22.4 Course Outcome

CO-1	Understand the theoretical basic of areas of Electric current
CO-2	Acquire the skill to use Drive motor, solid state speed control of D.C.
CO-3	Able to work as an electrical operator
CO-4	Acquire the skills and proficiencies required for an electrical operator .

22.5   CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	0	2	0	0	0	0	0	0	0	0
CO-2	0	0	0	3	0	0	0	0	0	0
CO-3	0	0	0	0	0	2	0	0	0	0
CO-4	0	0	2	0	0	0	0	0	0	0

22.6   CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	0	0	2	0	0
CO-2	1	0	0	0	0	0
CO-3	1	0	0	0	0	0
CO-4	0	2	2	0	0	0

Course – XXIII   Semester – III & IV

Enhancing text and typography(P)

23.1   Course Overview

1	Course	Core
2	Course Type	Practical
3	Course Code	DBOC405
4	Credit	6
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	144
9	Hours per Week	6
10	Number of Experiments	15
11	Total Week to complete	15
Distribution of Internal Marks		
12	Attendance	2
13	Record	4
14	Assessment Test	$4 (1 \times 4 = 1)$

23.2   Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Practical Record	Internal Assessment
3	Exprimental Skill	Internal Assessment
4	University Examination	External Assessment

23.3   Course Outcome

CO-1	QuarkXPress allows users to easily share content across media and output to print,
CO-2	The package provides the basic functionality of font,
CO-3	To provide its users with professional typesetting options such asÂăkerning, curving text along a line, andÂăligatures.
CO-4	Ability to set up pages change document set up layout

23.4   CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	1	0	0	0	3	0	0	0	0	0
CO-2	0	0	2	0	0	0	0	0	0	0
CO-3	0	0	0	0	0	0	0	0	2	0
CO-4	0	0	0	0	0	1	0	0	0	0

23.5   CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	0	3	0	0	0
CO-2	0	0	3	0	1	0
CO-3	0	0	0	0	2	0
CO-4	0	0	0	0	3	0

Course – XXIV   Semester – III & IV

NIL(P)

24.1   Course Overview

1	Course	Core
2	Course Type	Practical
3	Course Code	DBOC406
4	Credit	6
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	144
9	Hours per Week	1
10	Number of Experiments	15
11	Total Week to complete	75
Distribution of Internal Marks		
12	Attendance	2
13	Record	4
14	Assessment Test	4 ($1 \times 4 = 1$)

24.2   Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Practical Record	Internal Assessment
3	Exprimental Skill	Internal Assessment
4	University Examination	External Assessment

24.3   Course Outcome

CO-1	ability to understand the practical aspects in a professional design studio
CO-2	Accure a minimum of two years experience in designing field
CO-3	Ability to produce print designs
CO-4	Work in a printing press or flex printing press

24.4   CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	0	0	0	0	0	0	0	0	0	3
CO-2	1	0	0	0	0	0	0	0	0	2
CO-3	0	0	2	0	0	0	0	0	0	0
CO-4	2	0	0	0	0	0	0	0	0	0

24.5   CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	2	0	0	0	0
CO-2	1	2	0	0	0	0
CO-3	0	2	0	2	0	0
CO-4	1	2	0	0	0	0

Course – XXV   Semester – V

Enviornmental studies

25.1   Course Overview

1	Course	Core
2	Course Type	Theory
3	Course Code	BOCG501
4	Credit	4
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	72
9	Hours per Week	4
10	Number of Modules	4
Distribution of Internal Marks		
11	Attendance	5
12	Assignment/Seminar	5
13	Assessment Test	10 (2 × 5 = 10)

25.2   Curriculum Structure

Module	Module Title	Delivery Methods	Total hours
1	Introduction to Environment Science	Lecturing	10
2	Concept of an ecosystem	Lecturing	12
3	Environmental Pollution	Chalk and talk	20
4	Silent spring	Lecturing	15

25.3   Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Assignments	Internal Assessment
3	Seminar	Internal Assessment
4	University Examination	External Assessment

25.4   Course Outcome

CO-1	Understand key concepts from economic, political, and social analysis as they pertain to the design .
CO-2	Appreciate concepts and methods from ecological and physical sciences and their application in environmental problem solving.
CO-3	Appreciate the ethical, cross-cultural, and historical context of environmental issues and the links between human and natural systems.
CO-4	Reflect critically about their roles and identities as citizens, consumers and environmental actors in a complex, interconnected world.

25.5   CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	0	0	2	0	0	0	0	0	0	0
CO-2	1	0	0	0	3	0	0	0	0	0
CO-3	0	0	2	0	0	0	0	0	0	0
CO-4	2	0	0	0	0	0	0	0	0	0

25.6   CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	3	0	0	0	0
CO-2	0	2	2	0	0	0
CO-3	0	2	1	0	0	0
CO-4	0	2	2	0	0	0

Course – XXVI   Semester – V

Offset plate making

26.1   Course Overview

1	Course	Core
2	Course Type	Theory
3	Course Code	DBOC502
4	Credit	4
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	72
9	Hours per Week	4
10	Number of Modules	5
Distribution of Internal Marks		
11	Attendance	5
12	Assignment/Seminar	5
13	Assessment Test	10 $(2 \times 5 = 10)$

26.2   Curriculum Structure

Module	Module Title	Delivery Methods	Total hours
1	Offset- Lithography	Lecturing, questioning	10
2	CTcP (Computer to Conventional Plate	Lecturing	12
3	Computer-to-Plate	Chalk and talk, ICT	20
4	Plate Materials,	Chalk and talk, ICT	15
5	Relationship between Plate Sensitivity and Imaging Power	Chalk and talk, ICT	15

26.3   Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Assignments	Internal Assessment
3	Seminar	Internal Assessment
4	University Examination	External Assessment

26.4   Course Outcome

CO-1	Understand the theoretical base of areas of printing, its types, its working etc.
CO-2	Acquire the skill to Combine the works of various designing and drawing software.
CO-3	Able to work as an press operator
CO-4	Acquire the skills and proficiencies required for a printing machine operator.

26.5   CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	0	0	0	0	0	0	0	0	0	0
CO-2	2	0	0	0	0	0	0	0	0	0
CO-3	0	0	2	0	0	0	0	0	0	0
CO-4	1	0	0	0	3	0	0	0	0	0

26.6   CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	0	0	2	0	0
CO-2	0	0	2	0	0	0
CO-3	3	0	0	0	0	0
CO-4	0	0	0	0	3	0

Course – XXVII   Semester – V

Web offset technology

27.1   Course Overview

1	Course	Core
2	Course Type	Theory
3	Course Code	DBOC503
4	Credit	4
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	72
9	Hours per Week	5
10	Number of Modules	5
Distribution of Internal Marks		
11	Attendance	5
12	Assignment/Seminar	5
13	Assessment Test	10 ($2 \times 5 = 10$)

27.2   Curriculum Structure

Module	Module Title	Delivery Methods	Total hours
1	Different types of Web-Offset Printing Presses	Chalk and talk, ICT	10
2	Receiving shipping	Lecturing	12
3	Typical settings to be done on a sheet	Chalk and talk, ICT	20
4	Materials control	Chalk and talk, ICT	15
5	Preparation of impositions for web offset printing	Chalk and talk, ICT	15

27.3   Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Assignments	Internal Assessment
3	Seminar	Internal Assessment
4	University Examination	External Assessment

27.4   Course Outcome

CO-1	Understand the theoretical base of Web-Offset Printing Presses, areas of, its types, its working etc.
CO-2	Acquire the knowledge in. web offset printing like Typical settings to be done on a sheet- fed and web press machine
CO-3	Preparation of impositions for web offset printing.
CO-4	Facility specification in Web offset printing.

27.5   CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	0	0	2	0	0	0	0	0	0	0
CO-2	2	0	0	0	0	0	0	0	0	0
CO-3	0	0	0	0	0	2	0	0	0	0
CO-4	2	0	0	0	0	0	0	0	0	0

27.6   CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	2	2	0	0	0
CO-2	0	2	1	0	0	0
CO-3	0	2	2	0	0	0
CO-4	0	0	0	2	0	0

Course – XXVIII   Semester – IV & V

Technical and scientific documentation(P)

28.1   Course Overview

1	Course	Core
2	Course Type	Practical
3	Course Code	DBOC504
4	Credit	6
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	144
9	Hours per Week	6
10	Number of Experiments	15
11	Total Week to complete	15
Distribution of Internal Marks		
12	Attendance	2
13	Record	4
14	Assessment Test	4 $(1 \times 4 = 1)$

28.2   Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Practical Record	Internal Assessment
3	Exprimental Skill	Internal Assessment
4	University Examination	External Assessment

28.3   Course Outcome

CO-1	Able to have knowledge in the basics about the Introduction to Latex. Installation of the software LaTeX.
CO-2	Clear understanding of the basics of Technical and Scientific Documentation
CO-3	Able to understand Page Layout Packages
CO-4	Enable students to use applications in Technical and Scientific Documentation

28.4   CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	0	0	2	2	0	0	0	0	0	0
CO-2	2	0	0	0	0	3	0	0	3	3
CO-3	2	0	0	0	0	0	0	0	0	3
CO-4	2	0	0	0	0	0	0	0	0	0

28.5   CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	0	2	0	0	0
CO-2	0	2	2	0	0	0
CO-3	0	2	1	0	0	0
CO-4	0	2	2	0	0	0

Course – XXIX   Semester – IV & V

Multipage Design Publication(P)

29.1   Course Overview

1	Course	Core
2	Course Type	Practical
3	Course Code	DBOC505
4	Credit	6
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	144
9	Hours per Week	6
10	Number of Experiments	15
11	Total Week to complete	15
Distribution of Internal Marks		
12	Attendance	2
13	Record	4
14	Assessment Test	4 (1 × 4 = 1)

29.2   Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Practical Record	Internal Assessment
3	Exprimental Skill	Internal Assessment
4	University Examination	External Assessment

29.3   Course Outcome

CO-1	Able to have knowledge in the basics about the Introduction to basics of Adobe InDesign
CO-2	Clear understanding of the basics of the edit menu
CO-3	Able to understand the applications in Bi-fold brochures and other custom layouts
CO-4	Enable students to use applications in Printing solutions and PPD?s and PDF?s generation

29.4   CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	0	0	0	0	0	0	0	0	0	0
CO-2	0	0	0	3	0	0	0	0	0	0
CO-3	0	0	0	0	0	2	0	0	0	0
CO-4	2	0	0	0	0	0	0	0	0	0

29.5   CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	0	0	2	0	0
CO-2	0	0	2	0	0	0
CO-3	0	2	2	0	0	0
CO-4	0	2	1	0	0	0

Course – XXX   Semester – IV & V

NIL(P)

30.1   Course Overview

1	Course	Core
2	Course Type	Practical
3	Course Code	DBOC506
4	Credit	6
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	144
9	Hours per Week	1
10	Number of Experiments	15
11	Total Week to complete	75
Distribution of Internal Marks		
12	Attendance	2
13	Record	4
14	Assessment Test	$4 \ (1 \times 4 = 1)$

30.2   Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Practical Record	Internal Assessment
3	Exprimental Skill	Internal Assessment
4	University Examination	External Assessment

30.3   Course Outcome

CO-1	ability to understand the practical aspects in a professional design studio
CO-2	Accure a minimum of two years experience in designing field
CO-3	Ability to produce print designs
CO-4	Work in a printing press or flex printing press

30.4   CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	0	0	2	2	0	0	0	0	0	0
CO-2	2	0	0	0	0	3	0	0	3	3
CO-3	0	0	2	2	0	0	0	0	0	0
CO-4	2	0	0	0	0	3	0	0	3	3

30.5   CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	2	2	0	0	0
CO-2	0	2	1	0	0	0
CO-3	0	0	0	0	3	0
CO-4	0	2	2	0	0	0

Course – XXXI   Semester – VI

Entreprenurship development

31.1   Course Overview

1	Course	Core
2	Course Type	Theory
3	Course Code	BOCG601
4	Credit	4
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	72
9	Hours per Week	4
10	Number of Modules	5
Distribution of Internal Marks		
11	Attendance	5
12	Assignment/Seminar	5
13	Assessment Test	10 ($2 \times 5 = 10$)

31.2 Curriculum Structure

Module	Module Title	Delivery Methods	Total hours
1	entrepreneurs and different classifications	Workshop	10
2	Create an awareness about EDP	Erudite lecture	20
3	General awareness about identification of project financing	Personal counselling	20
4	To identify different Discuss opportunities	Seminars	12
5	project report relating to a small business	Personal counselling	10

31.3 Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Assignments	Internal Assessment
3	Seminar	Internal Assessment
4	University Examination	External Assessment

31.4 Course Outcome

CO-1	Understand key concepts from economic, political, and social analysis as they pertain to the design.
CO-2	Appreciate concepts and methods from ecological and physical sciences and their application in environmental problem solving.
CO-3	Appreciate the ethical, cross-cultural, and historical context of environmental issues and the links between human and natural systems.
CO-4	Reflect critically about their roles and identities as citizens, consumers and environmental actors in a complex, interconnected world.

31.5 CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	2	0	0	0	0	0	0	0	0	3
CO-2	2	0	0	0	0	0	0	0	0	0
CO-3	0	0	0	0	0	0	0	0	0	0
CO-4	0	0	0	3	0	0	0	0	0	0

31.6   CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	2	1	0	0	0
CO-2	0	2	2	0	0	0
CO-3	0	0	0	2	0	0
CO-4	0	0	2	0	0	0

Course – XXXII   Semester – V & VI

Publication design(P)

32.1   Course Overview

1	Course	Core
2	Course Type	Practical
3	Course Code	DBOC602
4	Credit	6
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	144
9	Hours per Week	6
10	Number of Experiments	15
11	Total Week to complete	15
Distribution of Internal Marks		
12	Attendance	2
13	Record	4
14	Assessment Test	4 (1 × 4 = 1)

32.2   Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Practical Record	Internal Assessment
3	Exprimental Skill	Internal Assessment
4	University Examination	External Assessment

32.3   Course Outcome

CO-1	Enables to have the theoretical base in E commerce, Internet business, Internet and E-business, E-commerce websites.
CO-2	Capable of buying things online from E commerce sites by using all its applications.
CO-3	Capable of creating websites for business purposes.
CO-4	Maintenance of website Uploading of file, importance of file name, making a post, post title.

32.4   CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	0	0	0	0	0	2	0	0	0	0
CO-2	2	0	0	0	0	0	0	0	0	0
CO-3	0	0	2	2	0	0	0	0	0	0
CO-4	2	0	0	0	0	3	0	0	3	3

32.5   CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	2	2	0	0	0
CO-2	0	2	1	0	0	0
CO-3	0	2	2	0	0	0
CO-4	0	0	0	2	0	0

Course – XXXIII   Semester – VI

Costing for printing press

33.1   Course Overview

1	Course	Core
2	Course Type	Theory
3	Course Code	DBOC603
4	Credit	4
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	72
9	Hours per Week	4
10	Number of Modules	5
Distribution of Internal Marks		
11	Attendance	5
12	Assignment/Seminar	5
13	Assessment Test	$10 \ (2 \times 5 = 10)$

33.2   Curriculum Structure

Module	Module Title	Delivery Methods	Total hours
1	Basics of Accounting	Lecturing, questioning	10
2	Cost Accounting. Elements of Cost	Lecturing, questioning	20
3	Elements of Printing Cost	Presentation, Practising	20
4	Labor cost,	Presentation, Practising	12
5	Data entry using software	Lecturing, questioning	10

33.3   Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Assignments	Internal Assessment
3	Seminar	Internal Assessment
4	University Examination	External Assessment

33.4 Course Outcome

CO-1	To obtain estimates on costs involved in a variety of print jobs
CO-2	The students will be having the detailed knowledge of different conventional and non conventional printing and packaging materials
CO-3	Able to conclude the labour cost is the âĂŸpeople costsâĂŹ involved in operating a business
CO-4	The student having the ability to make the Printing cost calculated on the basis of the time required.

33.5 CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	0	0	0	0	0	1	0	0	0	0
CO-2	0	0	0	0	0	0	0	0	0	3
CO-3	1	0	0	0	0	0	0	0	0	2
CO-4	0	0	2	0	0	0	0	0	0	0

33.6 CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	0	2	0	0	0
CO-2	0	2	2	0	0	0
CO-3	0	2	1	0	0	0
CO-4	0	2	2	0	0	0

Course – XXXIV   Semester – V & VI

Printing Press management system(P)

34.1   Course Overview

1	Course	Core
2	Course Type	Practical
3	Course Code	DBOC604
4	Credit	6
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	144
9	Hours per Week	6
10	Number of Experiments	15
11	Total Week to complete	15
Distribution of Internal Marks		
12	Attendance	2
13	Record	4
14	Assessment Test	4 ($1 \times 4 = 1$)

34.2 Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Practical Record	Internal Assessment
3	Exprimental Skill	Internal Assessment
4	University Examination	External Assessment

34.3 Course Outcome

CO-1	The students will be able to conclude about Modern Printing Systems and various perspectives associated with it
CO-2	The learning out come after completing this course is expected that students will be having detailed.
CO-3	It will help the students to get the know-how of present business aspects based on the subjective and objective calculations.
CO-4	The students will have understanding of various security printing methods and the recent trends in security printing.

34.4 CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	2	0	0	0	0	0	0	0	0	0
CO-2	0	0	2	0	0	0	0	0	0	0
CO-3	1	0	0	0	3	0	0	0	0	0
CO-4	0	0	2	0	0	0	0	0	0	0

34.5   CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	2	1	0	0	0
CO-2	0	0	0	0	3	0
CO-3	0	2	0	0	0	0
CO-4	1	2	0	0	0	0

Course – XXXV   Semester – VI

Identity branding for printing

35.1   Course Overview

1	Course	Core
2	Course Type	Theory
3	Course Code	DBOC605
4	Credit	4
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	72
9	Hours per Week	5
10	Number of Modules	5
Distribution of Internal Marks		
11	Attendance	5
12	Assignment/Seminar	5
13	Assessment Test	10 (2 × 5 = 10)

35.2   Curriculum Structure

Module	Module Title	Delivery Methods	Total hours
1		Lecturing, questioning	10
2		Lecturing	20
3		Chalk and talk, ICT	20
4		Chalk and talk, ICT	12
5		Chalk and talk, ICT	10

35.3   Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Assignments	Internal Assessment
3	Seminar	Internal Assessment
4	University Examination	External Assessment

35.4   Course Outcome

CO-1	To enable students for pursuing respectable career through Self-Employment.
CO-2	To develop inter-twining competence in the field of Printing Technology.
CO-3	To impart comprehensive knowledge with extra emphasis on practice.
CO-4	To develop the skilled to manage all activities related to printing press and to train future industry professionals

35.5 CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	2	0	0	0	0	0	0	0	0	0
CO-2	1	0	0	0	3	0	0	0	0	0
CO-3	0	0	2	0	0	0	0	0	0	0
CO-4	2	0	0	0	0	0	0	0	0	0

35.6 CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	2	0	2	0	0
CO-2	1	2	0	0	0	0
CO-3	0	3	0	0	0	0
CO-4	0	2	2	0	0	0

Course – XXXVI   Semester – V & VI

NIL(P)

36.1   Course Overview

1	Course	Core
2	Course Type	Practical
3	Course Code	DBOC606
4	Credit	6
5	Duration of External Examination	3 hours
6	External Assessment	80
7	Internal Assessment	20
8	Total hours	144
9	Hours per Week	1
10	Number of Experiments	15
11	Total Week to complete	75
Distribution of Internal Marks		
12	Attendance	2
13	Record	4
14	Assessment Test	4 $(1 \times 4 = 1)$

36.2   Evaluation Methods

No.	Assessment Methods	Evaluation Type
1	Assessment tests	Internal Assessment
2	Practical Record	Internal Assessment
3	Exprimental Skill	Internal Assessment
4	University Examination	External Assessment

36.3   Course Outcome

CO-1	ability to understand the practical aspects in a professional design studio
CO-2	Accure a minimum of two years experience in designing field
CO-3	Ability to produce print designs
CO-4	Work in a printing press or flex printing press

36.4   CO – PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO-1	0	0	0	0	0	2	0	0	0	0
CO-2	2	0	0	0	0	0	0	0	0	0
CO-3	0	0	2	2	0	0	0	0	0	0
CO-4	2	0	0	0	0	3	0	0	3	3

36.5   CO – PSO Mapping

CO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	0	2	1	0	0	0
CO-2	0	2	2	0	0	0
CO-3	0	2	0	2	0	0
CO-4	1	2	0	0	0	0