

B.Voc(Printing Technology)

PO1: Knowledge of pre-press technology, offset printing process, printing material science, packaging technology with the practical aspects involved with it.

PO2: Shall have the skill of Offset printing process and they will reach the level of Diploma in printing Tech.

PO3: Get knowledge about digital pre-press technology, Gravure printing process, screen, sublimation printing process, packaging technology, Computer science applicable to printing with the practical aspects involved with it.

PO4: Would enable the graduate completing B.Voc to make a meaningful participation in acceleratory India' economy by gaining appropriate employment and creating appropriate knowledge.

PO5: Be involved in projects right from project planning to final outcome ready for client delivery

PSO1: Entrepreneurship development. Student can gain the skills of setting up their own business.

COURSE OUTCOMES

COURSE NAME: Fundamentals of Printing Technology

CLASS - B.Voc(PT) SEMESTER – I

Objectives of Course:

- The primary goal is to prepare students for a successful professional career in the Printing Technology.
- To get good knowledge of printing process. During the course we can learn various types of printing process, methods of surface preparation, color theory, proofing techniques etc.
- Also you can learn different types of new devices used in printing technology like image setter.

Course Outcomes

After studying this course, students should be able to:

- Get knowledge about digital pre-press technology, Gravure printing process, screen, sublimation printing process, packaging technology, Computer science applicable to printing with the practical aspects involved with what each is used for in a computer
- Get knowledge and the skill of Offset printing process and they will reach the level of Diploma in printing Tech.

COURSE NAME: Introduction to Information Technology

CLASS - B.Voc(PT) SEMESTER – I

Objectives of Course:

- Making the students understand and learn the basics of computer how to operate it.

- To make familiar with the part and function of computer , its types , how to use computer in ourday to day life
- To know its characteristics, its usage, Limitations and benefits etc.

Course Outcomes

After studying this course, students should be able to:

- Understand the fundamental hardware components that make up a computer's hardware And the role of each of these components
- Understand the difference between an operating system and an application program, and What each is used for in a computer.
- Describe some examples of computers and state the effect that the use of computer Technology has had on some common products
- Use systems development, word-processing, spreadsheet, and presentation software to Solve basic information systems problems.
- Analyze compression techniques and file formats to determine effective ways of Securing, managing, and transferring data.

COURSE NAME: Web Technology

CLASS - B.Voc(PT) SEMESTER – I

Objectives of the Course:

- Understand the principles of web environment
- Become familiar with principles that relate to web design and learn how to implement these theories into practice.
- Develop skills in designing static and dynamic web pages .
- Learn the language of the web: HTML and CSS.
- Publish your website to the web

Course Outcome:

After successful completion of the course students will be able to

- Use knowledge of HTML and CSS code and an HTML editor to create websites
- Use critical thinking skills to design and create websites.
- Create online forms
- Publish website to the web

SemII

COURSE NAME: Multimedia and its Applications

CLASS - B.Voc(PT) SEMESTER – II

Objectives:

Objectives of the Course:

This course aims at learning about Multimedia and its Applications in theoretical way. One of the main goals and objective of this course is to give knowledge about multimedia, multi-media building blocks, how to design advertisement, role of computer in advertisement and tools of Public relations in theoretical and practical way to the students.

Learning Outcomes:

Knowledge and Understanding:

Students will

- Understand the basic concepts of multimedia technology. Which will help them to get started easily in multimedia,
- Get knowledge about various terms like, images, text, fonts, file formats. Understanding these things is very necessary.
- Know about the various compression techniques, types of compressions etc.
- Will be able to understand design process, image processing, adobe premiere. Design process is very important process for those who want to learn properly about designing.
- Learn about Different kind of coding like Huffman's coding, JPEG coding, zip coding.

COURSE NAME: Printing Process & Techniques

CLASS - B.Voc(PT) SEMESTER – II

Objectives:

- The primary goal is to prepare students for a successful professional career in the Printing Technology.
- To get good knowledge of printing process. During the course we can learn various types of printing process, methods of surface preparation,color theory ,proofing techniques etc.
- Also you can learn differenttypes of new devices used in printing technology like image setter.

Learning Outcomes:

- Understand different types printing technology.
- Hands on Training on 3D Printing
- Be familiarized with concept of color theory and color models.
- Able to design Photo Albums, visiting cards wedding cards etc.
- Train professionally competent skilled manpower in the field of printing press.

Sem III

COURSE NAME Modern Trends in Printing

CLASS - B.Voc(PT) SEMESTER – III

Objective:

This course deals with broad overview of latest printing technologies which are helpful for Printing & Packaging fields. Printing technology professionals need an understanding of printing press operation, graphics creation and design. This course include press operations, advanced techniques and digital printing.

Outcome:

The students will be able to conclude about Modern Printing technologies and various perspectives associated with it. On completion of the course, students are able to Understand the concept of different types of printing techniques.

COURSE NAME: Planning & Design for Printing

CLASS - B.Voc(PT) SEMESTER – III

Objectives of the Course:

This course aims at learning of Design that how design can be effective. In this how design can have importance, Impact of design on people, Roles of graphic designer to make design. In this it is learnt to students that elements of design and letter forms make good design. Students come to know that how design can make to check interest of target audience. To make a Design, how can design go through different processes to come into final output. In this it is also teach to students about different papers used. So planning and design is the whole process of any design to start from initial stage to final output.

Course outcomes:

Knowledge & Understanding

- Know about Importance of Design
- Know about Impact of designs on target audience, Design elements and Principles role in Good Design.
- Work on Basic designs and letter forms used in design to make effective
- Know about softwares used in making designs on computers.
- Know about Monograms and trademarks used in designs.
- Understanding of different methods/stages for creating designs.
- Knowledge about working on suitable papers, Varieties of papers for printing.

COURSE NAME: Tone & Color Analysis

CLASS - B.Voc(PT) SEMESTER – III

Objectives of the Course: The chapter aims to make learners aware about the key terms and theories associated with colour.

Program Learning Outcomes:

1. See and apply color, design and sources of color and design with increasing perceptual awareness and understanding in daily living.
2. Create personally significant works of design applying basic design/color concepts and techniques.
3. Assess, evaluate, appreciate and respect design work.

4. Develop creative solutions to color design problems.
5. Handle art materials with environmental awareness and responsibility.

COURSE NAME: Copyright & Publishing Ethics

CLASS - B.Voc(PT) SEMESTER – III

Objectives:

The objective of this course is to make students learn the basics of copyright in printing industry.

Outcomes:

After the completion of the course students will be able to:

- Recognize the role of a publisher.
- How to manage secondary and third party
- How to get permissions securely.
- Royalty payments and other payments to authors.

Sem IV

COURSE NAME: Screen Printing & Gravure

CLASS - B.Voc(PT) SEMESTER – IV

Objectives of the Course:

This course aims at learning about Screen Printing in practical or theoretical way. In this work based on color of stock, fibers printing on T-shirts, Plastics with complete knowledge about printing. In the course also work on Screen Printing, Textiles and other content. There are various terms used for what is essentially the same technique. Traditionally the process was called screen printing or silkscreen printing because silk was used in the process. It is also known as serigraphy, and serigraph printing. Currently, synthetic threads are commonly used in the screen printing process. Capture a digital image with the use of a scanner. Produce positive film. UNDERSTAND AND DEMONSTRATE THE USE OF THE BASIC OFFSET PRESS. Identify basic screen printing equipment and operations.

Course Outcomes:

The course provides an introduction about:

- Working of Hierarchy in this work on Common types of Fabrics, Textiles.
- Understanding about whole colors, Halftone preparation for Screen printing, Basic types of Screen printing substrates.
- Knowledge about Screen printing Automatic press.
- Knowledge about Folding carton presses.
- Working on Drying Equipments.
- Working on Stencil Printing, Flexible packaging presses.

- Screen printing collo type.
- Label presses, Product Gravure.

Course Name: Newspaper & Periodical Publishing

Class: B.Voc (PT) **Semester:** 4th

Objectives of the Course:

This course aims at acquainting students with the newspaper and periodical publishing. It also aims at acquainting students with the newspaper organization and newspaper hierarchy.

Program Learning Outcomes:

(Knowledge and Understanding, Intellectual Skills, practical Skills, Transferable skills).

Learning Outcomes:

A. Knowledge and Understanding):

Students will

- Know how to define newspaper and its organizations, along with its deep study that includes its layout and design.
- Know how to analyze the different newspaper sources.
- Know how to interact with masses.
- Able to identify the various organizations of newspaper.

B. Intellectual(Cognitive/ Analytical) Skills:

Students will be able to

- Identify the various newspaper organizations.
- Analyze of different tools of communication, like sources of news.
- Analyze the editorial department of newspaper.
- Think critically about the basic determinants of news.

C. Practical Skills

Students will learn to:

- Transcribe words, and sentences that helps in publishing the newspaper.
- Assign the correct design and layout of the newspaper.
- Analyze various newspaper departments.
- Will learn more about various forms sources of news and its determinants.

D. Transferable Skills :

Students will be able to

- -use language more effectively,
- - learn to think more creatively as well as comparatively, and
- - display better the published newspaper.

Course Name: Digital Pre-Press

Class: B.Voc (PT) Semester: 4th

Objectives of the Course:

This course is focus on Digital Pre-press technology. Digital Pre-Press is the process which takes places before printing. In this course students will get to know about the various terms like: Structure of Digital printed products, Digital Screening Process, Digitalizing Originals, Digital Photography and Color Management. These topics further have many subtopics. Getting information about Pre-Press is very important because, without solid knowledge about the Pre-press, person will face lots of difficulties in field of print media. This course is divided into five parts.

Learning Outcomes:

Students will

- Learn things like structure of digital printed product which is consist of many different topics for Eg. Technological capabilities and work flow, digital description of printed page, text, images, and graphics. Which are the fundamentals to learn about digital pre-press
- Get to know about different types of input and output resolutions, tonal range, dot shape tonal values. These things will help them to understand about printing colors, tones and values which proves very helpful in print media.
- Learning color management is a vital part. It help them understand different color profiles, digital color proofing and its limitations. These color management techniques are helpful and necessary and will help them to get good results in future.

Course Name: Data Communication and Networks

Class: B.Voc (PT) Semester: 4th

Objectives of the Course:

This course aims to an understanding of communication of data, transmission of data signals, network security and privacy, various multiplexing and switching elements. This course also aims to an understanding of various models used in networking and how to secure data using cryptography.

Program Learning Outcomes:

Knowledge and Understanding:

- Students will know what is network, its types.
- Students will learn about the different topologies used in network.
- Students will understand different protocols used in internet.
- Students will understand and be able to describe the differences between intranet, extranet and internet.

- Students will understand about various multiplexing and switching techniques used in networks.
- Students will learn about various services provided by network.

Sem V

Course Name: Digital Printing

Class: B.Voc (PT) **Semester:** 5th

Objective of the Course:

- The successful development and implementation of all project's procedures. A project, regardless of its size, generally involves five distinctive phases of equal importance: Initiation, Planning and Design, Construction and Execution, Monitoring and Control, Completion. The smooth and uninterrupted development and execution of all the above phases ensures the success of a project.
- Productive guidance, efficient communication and apt supervision of the project's team. Always keep in mind that the success or failure of a project is highly dependent on teamwork, thus, the key to success is always in collaboration.
- The achievement of the project's main goal within the given constraints. The most important constraints are, Scope in that the main goal of the project is completed within the estimated Time, while being of the expected Quality and within the estimated Budget. Staying within the agreed limitations always feeds back into the measurement of a project's performance and success.
- Optimization of the allocated necessary inputs and their application to meeting the project's pre-defined objectives

Outcomes:

- After studying this course, you should be able to:
- Develop plans with relevant people to achieve the project's goals
- Break work down into tasks and determine handover procedures
- Identify links and dependencies, and schedule to achieve deliverables
- estimate and cost the human and physical resources required, and make plans to obtain the necessary resources
- Allocate roles with clear lines of responsibility and accountability.

Course Name: Book Publishing

Class: B.Voc (PT) **Semester:** 5th

Objectives of the Course:

- During their studies, students shall learn the detailed aspects of various printing processes like Offset printing, Gravure printing, Flexography, Letterpress and Screen printing including the machineries being used.

- Also students shall get the subject knowledge of printing material, pre-press technologies, digital printing, Security Printing, print finishing techniques, project work, business management, entrepreneurship development, cost estimation etc.
- Subjects on packaging technology have been included in the curriculum to impart basic knowledge of packaging technology to enable the students to apply the same in his professional career.
- Students came to know about how to print and publish their own books.

Course Outcomes

Knowledge and Understanding:

- To serve as a medium for the exchange of ideas with respect to book production, publication, sale, copyright and other matters of interest to publishers and to form committees to report on such matters.
- To provide information, support and resources with reference to new technologies and publishing media
- Demonstrate basic knowledge of the history of publishing, including print, digital, and other media.
- Employ editing skills—developmental, line, and copy—to improve submissions at the levels of both form and content.
- Collaborate with teams of editors and designers to create a quality publication that aligns with a discrete aesthetic mission.
- Write, edit, and design print and online media for a range of entities in the arts industry.

Intellectual(Cognitive/ Analytical) Skills

- To make and publish Regulations and a Code of Ethics and to secure by all lawful means the observance of such.
- To promote and protect the rights and responsibilities of the independent publishing sector
- To provide information, support and resources with reference to new technologies and publishing media
- To organize and arrange participation by South African authors and publishers in competitions, exhibits, fairs, displays and other events organized to promote a culture of reading and excellence in writing

Practical Skills

- It involves several technical skills which hold the prime importance. Each person engaged in performing prepress work like typesetting, graphics designing and editing,

making of image carrier, press work and printing, finishing have specific and specialized role to perform and contribute for the final output.

- Independently edit and publish a small print publication, and in some instances, an online publication, carrying it through each stage of production, cooperating with others in the process, and keeping costs reasonable.

Transferable Skills

- Be able to use current techniques, skills, and tools and software necessary for printing and publishing the books.
- Follow Creative Thinking.
- Demonstrate employability skills and a commitment to professionalism.
- To enter into any arrangement for cooperation, joint venture or reciprocal concession with any other person, Association, firm, company or institution carrying on, or about to carry on, or engage in any business or transaction which may appear directly or indirectly to benefit the Association.

Course Name: E– Publishing

Class: B.Voc (PT) Semester: 5th

Objectives of the Course:

With the help of standard editing tools and techniques, students will practice restructuring and rewriting complex documents for readability, style, substance, and grammatical accuracy. They will develop an understanding of the role of the editor in a variety of written genres and publication formats, and become more familiar with the scheduling and production of print and electronic documents.

Course Outcomes

Student will

- examine the editorial demands of various writing genres and publication formats
- practice methods for editing various materials for style, organization, substance, grammar, and length
- discuss and practice methods for rewriting print and electronic materials
- use the copyediting and proofreading skills acquired after the course
- evaluate documents for content, structure, style, readability, and marketability

Semester -6

Project Dissertation (Major Project /Training in Any Publishing House/ Newspaper Publishing Press)