# COMPUTER GRAPHIC-INKSCAPE MASTERY

## CLASS MODULES :

### MODULE 1: INTRODUCTION TO INKSCAPE

LESSON 1.1: OVERVIEW OF INKSCAPE
- INTRODUCTION TO VECTOR GRAPHICS AND INKSCAPE'S INTERFACE.
- UNDERSTANDING THE WORKSPACE AND BASIC NAVIGATION.

LESSON 1.2: ESSENTIAL TOOLS AND FEATURES
- EXPLORATION OF INKSCAPE'S TOOLBAR AND KEY TOOLS.
- CUSTOMIZATION OF THE WORKSPACE FOR EFFICIENT WORKFLOW.

### MODULE 2: WORKING WITH BASIC SHAPES AND OBJECTS

LESSON 2.1: CREATING AND EDITING SHAPES
- DRAWING BASIC SHAPES: RECTANGLES, ELLIPSES, POLYGONS, AND STARS.
- MODIFYING SHAPES USING NODES AND HANDLES.

LESSON 2.2: COMBINING AND MANIPULATING OBJECTS
- GROUPING AND UNGROUPING OBJECTS.

USING PATH OPERATIONS: UNION, DIFFERENCE, INTERSECTION, AND EXCLUSION

### MODULE 3: MASTERING PATHS AND LINES

LESSON 3.1: UNDERSTANDING PATHS
- CONVERTING SHAPES TO PATHS FOR ADVANCED EDITING.
- UTILIZING THE NODE TOOL FOR PRECISE PATH ADJUSTMENTS.

LESSON 3.2: DRAWING AND EDITING LINES
- CREATING STRAIGHT AND CURVED LINES WITH THE PEN AND BEZIER TOOLS.

APPLYING PATH EFFECTS FOR STYLIZED LINE WORK

### MODULE 4: WORKING WITH TEXT

LESSON 4.1: ADDING AND FORMATTING TEXT
- INSERTING TEXT INTO DESIGNS.
- ADJUSTING FONT STYLES, SIZES, AND OTHER TEXT PROPERTIES.

LESSON 4.2: ADVANCED TEXT TECHNIQUES
- PLACING TEXT ON A PATH FOR CREATIVE LAYOUTS.
- CONVERTING TEXT TO PATHS FOR CUSTOM SHAPE EDITING.

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## CLASS MODULES :

### MODULE 5: APPLYING COLORS, GRADIENTS, AND PATTERNS

LESSON 5.1: COLOR MANAGEMENT
- USING THE FILL AND STROKE DIALOG FOR COLOR APPLICATION.
- EXPLORING COLOR PALETTES AND SWATCHES.

LESSON 5.2: CREATING GRADIENTS AND PATTERNS
- DESIGNING AND APPLYING LINEAR AND RADIAL GRADIENTS.

DEVELOPING CUSTOM PATTERNS FOR FILLS AND BACKGROUNDS.

### MODULE 6: IMPORTING AND EXPORTING DESIGNS

LESSON 6.1: EXPORTING PROJECTS
- SAVING DESIGNS IN VARIOUS FORMATS: SVG, PNG, PDF, AND EPS.
- ENSURING PROPER SETTINGS FOR WEB AND PRINT OUTPUTS.

LESSON 6.2: PREPARING GRAPHICS FOR PRESENTATIONS
- EXPORTING IMAGES OPTIMIZED FOR POWERPOINT AND GOOGLE SLIDES.
- MAINTAINING QUALITY AND TRANSPARENCY IN EXPORTED GRAPHICS

### MODULE 7: ADVANCED DESIGN TECHNIQUES

LESSON 7.1: VECTORIZING HAND-DRAWN ART
- CONVERTING SCANNED SKETCHES OR HANDWRITING INTO VECTOR ART.
- CLEANING AND REFINING TRACED ARTWORK FOR DIGITAL USE.

LESSON 7.2: CREATING LOGOS AND ICONS
- DESIGNING SIMPLE LETTER-BASED LOGOS.

DEVELOPING ABSTRACT LOGOS FROM IMAGES.

### MODULE 8: PRACTICAL PROJECTS AND APPLICATIONS

LESSON 8.1: DESIGNING A VECTOR ILLUSTRATION
- APPLYING LEARNED TECHNIQUES TO CREATE A COMPLETE ILLUSTRATION.
- INCORPORATING SHAPES, PATHS, TEXT, AND COLORS COHESIVELY.

LESSON 8.2: DEVELOPING A BRANDING PACKAGE
- CREATING A LOGO, BUSINESS CARD, AND LETTERHEAD.
- ENSURING CONSISTENCY ACROSS ALL BRANDING MATERI

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