

A fun-filled

DIGITAL LEARNING PLATFORM

Designed for students in schools & colleges, aimed at unveiling their hidden talents and supporting them in achieving excellence in their goals and aspirations.







Digital Tech



Software & Programming



CONTENTS

01. Summer Vacation Activity Camp	0.
02. Admission & Certification	0
03. Art & Design Courses	0
04. Digital technology Courses	2
05. Software & Programming Courses	3



www.keralastaterutronix.com

The Summer Vacation Activity Camp is a comprehensive learning program launched by KERALA STATE RUTRONIX for students attending schools throughout Kerala. This student-focused initiative offers an engaging blend of activities in Creative Arts & IT during the summer break. It aims to empower students to enhance their knowledge, skills, and attitudes while enjoying a fun-filled and interactive learning experience.



This specialized workshop extends over 60 hours across 30 days, offering a curriculum that includes 25 days of activity-centered learning and 5 days dedicated to student-led projects. There are 37 multi-disciplinary course options in Creative Arts & IT. Our activity-based learning programme will help students set up an action plan toward their project goal and will equip them with tools and techniques to accomplish their objective in the chosen stream.

Registration & Admission

For registration and admission, the student can report at one of our authorized training centers of Kerala State Rutronix and register for the course of their choice. Registration Fees can be paid by payment system online at the centre. Vacation classes start by the first week of April.

Examination & Certification

The examination for this vacation programme will be conducted by Kerala State Rutronix at the Authorized Training Centre. The examination schedule will be informed to the students through concerned training centre. No extra examination fee shall be collected from students. The right of preparation and issuing certificates is reserved by Kerala State Rutronix, Thiruvananthapuram. The mark secured by students will be indicated in the certificate issued to students, soon after their examination.

ART & DESIGN Courses

- 01. Drawing & Painting
- 02. Clay Modeling & Sculpting
- 03. Origami craft
- 04. Digital Painting
- 05. 2D Cartoon Animation
- 06. Desktop Publishing & Interactive Design
- 07. Graphic Art & Design
- 08. Photoshop Creativator
- 09. Beauty Care & Styling
- 10. Stitching Basics & Embroidery
- 11. Mehndi Designing
- 12. Let's Talk English





This course will enable you to learn basic drawing techniques through a practical study of form, shading, color, perspective and painting skills, which you will use to produce a range of observational studies for finishing the paintings.

What will I learn?

- Basic principles of Drawing and Painting
- Recognize the nuances of subtle Pencil Shading
- Significance of focused Observation
- How to safely use and store Equipment and Materials in the right way

Activity Curriculum

- 01 Introduction to Drawing Activity
- **O2** How to Draw a Cube and other Objects?
- 03 Shade and Shadow
- 04 Easy Way to Draw Bird, Animal Etc
- 05 Gesture Drawing Bird, Animal, Humans Etc
- 06 Grid Drawing Apple, Flower, Bird Etc
- 07 Gesture Drawing Characters
- 08 Grid Drawing Animal, Landscape Etc
- 09 Grid Drawing Enlarged Bird, Animal Etc
- 10 Grid Drawing Enlarged Human, Landscape Etc
- 11 Contour Drawing
- 12 Perspective ONE Point Perspective
- 13 Perspective 2-point & 3-point
- 14 Outdoor Study
- 15 Still Life Drawing Flower Vase
- 16 Still Life Drawing Fruits, Books Etc
- 17 Color Theory Basic
- 18 Primary Color, Secondary Colors
- 19 Using Color Pencils
- 20 Tertiary Colors, Warm & Cool Colors
- 21 Using Oil Pastels
- 22 Using Water Colors
- 23 Object Study In Water Color
- 24 Still Life Painting
- 25 Landscape Painting



This course introduces to provide learning of clay modelling and visual expression through two dimensions and three dimensions. To provide opportunity to enhance and enrich imagination and creativity.

What will I learn?

- Playing with modelling clay.
- Making different shapes.
- Hand-eye coordination.
- Making colourful things using clay

Activity Curriculum

- 01 Learning Clay Materials (introduction)
- 02 Making Caterpillar & Starfish
- 03 Clownfish & Flies
- 04 Plates And Bowls
- 05 Polymer Clay- Emojis & Rainbow
- 06 Bear & Monkey
- 07 Octopus & Sheep
- 08 Diya Making Using Clay
- 09 Clay Flowers
- 10 Clay Mushroom
- 11 Polymer Clay Jewellery
- 12 Clay Leaf Bowl
- 13 Home Made Clay Panda
- 14 Clay Minion
- 15 Clay Character
- 16 Clay Pot
- 17 Blue Whale Phone Holder
- 18 Clay House
- 19 Clay Parrot
- 20 Fruit Basket
- 21 Natural Clay Making & Tools Usage
- 22 Armature Modeling
- 23 Armature Model Detailing
- 24 Face Sculpting (section 1)
- 25 Face Sculpting (section 2)



Origami Art is a series of workshop and program for children. The main objectives is to explore the creativity fun of a single sheet or multiple sheets of 2D papers into 3D objects through the use of paper folding (also known as Origami) techniques.

What will I learn?

- Creativity and logic thinking.
- Will involve both our hands and mind to be active.
- Innovative idea development.

Activity Curriculum

- 01 Introduction To Origami
- 02 Paper Boat
- 03 Bookmarks
- 04 Origami Christmas Tree
- 05 Flowers
- 06 Origami Penguin
- 07 Origami Fish
- 08 Origami Butterfly
- 09 Origami Whale
- 10 Origami Crane
- 11 Origami Box
- 12 Origami Envelope
- 13 Shapes Making
- 14 Origami Owl
- 15 Modular Cube
- 16 Jumping Frog
- 17 Origami Crab
- 18 Ninja Star
- 19 Origami Bag
- 20 Origami Car
- 21 Paper Cup
- 22 Origami Pikachu
- 23 Origami Dog
- 24 Origami Rabbit
- 25 Origami Horse



This course focuses on creating high-quality digital paintings. Students will focus on learning the software to create images. In digital painting, students use painting techniques to create the image directly on the computer.

What will I learn?

- Basic knowledge in Photoshop Software.
- Basic drawing skills.
- Colour theory.
- Painting in digitally.

Activity Curriculum

- 01 Digital painting (software used, pros and cons)
- Drawing Basics (Pencil sketches)
- 03 Drawing Basics 2 (Pencil sketches)
- 04 Drawing objects
- 05 Drawing Cartoon Face
- 06 Color theory, color values- RGB, CMYK
- 07 Photoshop Interface
- 08 Basic Brush Tool
- 09 Basic Pen Tool
- 10 Painting and Blending Techniques
- 11 How to Resize an Image
- 12 Remove an Object or Person from a Photo
- 13 How to Change the Color of an Object
- 14 Paint an Easy 3D Circle
- 15 Digital Character Design
- 16 Incorporating Photo Textures
- 17 Flat design to 3D Painting
- 18 Creating Leathery Texture
- 19 Character sketching (cartoon)
- 20 Detailing section 1
- 21 Detailing section 2
- 22 Detailing section 3
- 23 Detailing section 4
- 24 Detailing section 5
- 25 Detailing & Digital output



O5 2D Cartoon Animation

Course Objective

At the end of the course the student will learn basic concepts of Classical 2D Animation, Story boarding and create animated digital multimedia content for media using the tools and techniques as available in the Adobe Animated software.

What will I learn?

- The basic principles of cartoon drawing
- The principles of animation.
- The importance of timing and movements of animation.
- A basic knowledge of 2D animation

Day	Topics
01	Introduction Animation And Story Telling
02	How To Draw Shade & Shadow
03	Let's Practice Basic Shapes & Manipulating Shapes
04	How To Draw Cartoon Heads – Part I
05	How To Draw Cartoon Heads – Part II
06	Let's Start Constructing Cartoon Characters
07	Let's Start Learning Perspective Drawing
80	Know More About Object & Nature Study
09	Let's Start Character Designing
10	Introduction To Principles Of Animation – I
11	Introduction To Principles Of Animation – II
12	How To Animate Special Effects
13	How To Draw Movements & Action
14	How To Write A Cartoon Scripting
15	How To Create A Storyboard
16	Introduction To Adobe Animate And Tools
17	Know More About Draw With Adobe Animate
18	Know More About Timeline Control and Basics
19	Let's Start Digital Character Designing
20	Let's Start Background Designing
21	Let's Start Walk Cycle Animation
22	Let's Start Character Animation
23	Let's Start Background Animation
24	Know More About Integrating Background & Character
25	How To Convert The Animation Project in to Final Out



O 6 DTP & Interactive Design

Course Objective

In this program students will learn to create eBooks using InDesign. It will help them to create children's eBooks, do it yourself books, recipe or cook books or any media rich eBook. Design and publish ebooks and transition your workflow from print to digital publications. The course cover a wide range of digital publishing concepts, ebook software and design applications including InDesign and Canva.

What will I learn?

- Fundamentals of desktop publishing and typesetting
- •The importance of layout and structuring
- •Understanding online publications

Activity Curriculum

- 01 Introduction To DTP & Interactive Design
- 02 Exploring Modern E-Book Ideas
- 03 Why InDesign?
- 04 Introduction To InDesign Platform
- 05 Importance of Layout
- 06 Creating and Viewing Documents
- 07 Exploring Pages
- 08 Working With Type and Fonts
- 09 Working With Graphics
- 10 Formating Objects
- 11 Working With Color
- 12 Points and Paths
- 13 Managing & Transforming Objects
- 14 Character and Paragraph Formatting
- 15 Using Styles
- 16 Tables Day
- 17 Images Day
- 18 File Formats E-Book
- 19 Digital Publishing and Device Compatibility
- 20 E-Readers
- 21 Templates Day
- 22 Online E-Book Creators
- 23 E-Book In Canva
- 24 How To Create E-Book In Canva
- 25 How To Publish E-book



7 Graphic Art & Design

Course Objective

This course will help you to learn the basic principle of print design. In this course students will learn the importance of color theory, layout and typography to produce different kinds of print designs using CorelDraw and Photoshop.

What will I learn?

- The basic principles of Print Design
- Graphic and Layout Fundamentals
- Image Editing
- Understanding and creating print outputs

Activity Curriculum

- 01 Introduction to Print Media Design
- 02 Drawing Practice Lines and Basic Shapes
- 03 Drawing Practice Shading
- 04 Color Theory and Psychology
- 05 Painting Basics and color Practice
- 06 Color Theory
- 07 Photoshop Interface
- 08 Basics of Photoshop
- 09 Photoshop Environment and Tools
- 10 Basic Brush Tool
- 11 Basic Pen Tool
- 12 Photoshop Editing Basics
- 13 How to Change the Color of an Object
- 14 Photoshop Image Retouch
- 15 How to Remove an Object or Person From a Photo
- 16 CorelDraw Basics
- 17 CorelDraw Platform and Tools
- 18 CorelDraw Typography and Colours
- 19 Importance of Alignment & Hierarchy
- 20 CorelDraw Visual Element Placing
- 21 Digital Designing Poster
- 22 Floral Logo Design
- 23 3D Logo Effect
- 24 Making File Print Ready
- 25 Making Print outputs



Visual representations are known to enhance online content. Graphic designers constantly churn out great designs to amplify that experience. This course provides activity based Photoshop training for newbies, where students not only get to experiment with a variety of software tools, but also provide tips and tricks to smarter techniques. The level of skill & progress of each student is evaluated.

What will I learn?

- · Colours, Graphics and Layout.
- Image retouching.

Activity Curriculum

- 01 Introduction to Photoshop
- 02 Photoshop Interface Essentials
- 03 Working With Selection Tools
- 04 Cropping and Straightening Images
- 05 Transforming, Distorting and Warping Images
- 06 Working with Layers
- 07 Vector Drawing
- 08 Colours in Photoshop
- 09 Working with Brushes
- 10 Working with Layer Masks
- 11 Work With Slices
- 12 Working with Filters
- 13 Working with Text
- 14 Essential Layer Effects and Styles
- 15 Blending multiple images
- 16 Basic Photo Corrections
- 17 Retouching & Repairing
- 18 Logo Designing using drawing tools
- 19 Create Text effect
- 20 Business card design
- 21 Promotional Flyer Design
- 22 Brochure Design
- 23 Product Package Design
- 24 Photo Manipulation
- 25 Make an Animated GIF



9 Beauty Care & Styling

Course Objective

This course is designed to train the students in the Beauty & Wellness space by enhancing their skill sets through practical & theoretical knowledge and developing a professional attitude in handling the customers and managing the saloon. This course will also create an entrepreneurial mindset among the students.

What will I learn?

- Students will learn the basic etiquettes they should follow once they get into the Beauty care & Styling area.
- They will learn the core concepts of Skin Care, Face Care, Hair Styling & Makeup tips.
- They will end up in generating Self Employment.

Activity Curriculum

- 01 Current Trends & Scope in Beauty Care & Styling
- 02 Hygiene Etiquette for Beauty Saloon & their Staffs
- 03 Grooming & Body Language Tips
- 04 Customer Service Etiquette
- 05 Skin Anatomy & Skin Care Secrets
- 06 More about Skin Care Hands-on Experience
- 07 Health & Nutrition
- 08 All About Facial Massage Tips & Tricks
- 09 Approach to Facial Massage
- 10 More about Facial Massage :Hands-on Experience 1
- 11 More about Facial Massage :Hands-on Experience 2
- 12 An Intro to Face Masks
- 13 Peel of Masks & Thermo Herb Mask
- 14 More about Face Masks: Hands-on Experience Part 1
- 15 More about Face Masks: Hands-on Experience Part 2
- 16 Entering into the space of Hair Styles
- 17 Structure, Divisions, Life, and Density of Hair
- 18 Stages of Hair Growth & Types of Hair
- 19 Hair Disorders & its Treatments
- 20 Threading, Bleeching & Waxing
- 21 An Intro to Hair Spa & Hair Dye
- 22 More about Hair Spa Hands-on Experience
- 23 More about Hair Dye Hands-on Experience
- 24 All about Nail Care
- 25 Make Up -Tips & Tricks



10 Stitching Basics & Embroidery

Course Objective

This course focuses on garment stitching and surface ornamentation techniques. Students will develop skills and knowledge related to historical and contemporary applications of needlepoint, embroidery and other stitching methods, and use these as a means for the creative expression of ideas through a series of class and individual projects.

What will I learn?

- Basic Stitching
- Basic Embroidery
- Mirror work
- Beads work & Sequence work

_		_		
Day	/	Го	pi	CS

- 01 Introduction to Stitching & Embroidery
- 02 Straight Stitch
- 03 Stem Stitch
- 04 Feather Stitch
- 05 Face mask
- 06 Chain Stitch
- 07 Detached Chain Stitch or Lazy Daisy Stitch
- 08 Woven Wheel Stitch or Spider Web Stitch
- 09 French Knot
- 10 Jhabla
- 11 Bullion Knot Stitch
- 12 Couching Stitch
- 13 Fly Stitch
- 14 Herringbone Stitch
- 15 Satin Stitch
- 16 Ribbon embroidery
- 17 Mirror Work
- 18 Beads work
- 19 Sequins Work and Sardosi Work
- 20 Fabric paint
- 21 Petticoat
- 22 Cut & Stitch Normal Chudidar bottom
- 23 Cut & Stitch Chudipant
- 24 Cut & Stitch Normal Chudidar top without slit
- 25 Cut & Stitch Normal Chudidar top with slit



Mehndi Designing

Course Objective

To create basic yet stunning Indian, Arabic, and bridal designs as practise for mehndi art. To make it possible for students to find self-employment.

What will I learn?

 By the end of the course you will be a Mehndi artist.

Day	To	

- 11 Introduction & Drawing of different forms of lines and symbols
- 02 Information about making cones and preparing mehndi paste
- 03 Information about the designs and removal of mehndi
- 04 How to draw lines.
- 05 How to draw Arabic leafs.
- 06 How to draw Arabic Flowers.
- 07 Simple Mehandi designs: Arabic floral designs.
- 08 Simple Arabic designs : Arabic leafs designs
- 09 Indian Mehndi Designs: Mesh and Mango Motifs
- 10 How to draw Humps and Swirls.
- 11 Full Arm Mehndi Design
- 12 Indian Mehndi Designs : Motif Design
- 13 Full Leg and Arms Indian Mehndi Design
- 14 Indian Mehandi designs : filling elements.
- 15 Spiral Back Hand Mehndi Design
- 16 Arabic Designs And Bridal Designs Introduction
- 17 Rose Arabic Bridal Mehndi Design
- 18 Indian Mandala designs.
- 19 Simple Finger Tip Arabic Mehndi Design
- 20 Arabic feet designs.
- 21 Indian feet designs.
- 22 Jewellery designs for feet.
- 23 Simple Arabic Mehndi Design with Motifs
- 24 Geometric Arabic Mehndi Design
- 25 Lotus Arabic Mehndi Design



This course will enable you to develop the English communication skill through reading, listening, writing & speaking skill as well as the basic grammar and effective personality development techniques. This will make you an effective speaker in English.

What will I learn?

- The reading techniques using phonetic sound
- The importance of listening skill for communication
- Implementing the methods in writing skill
- The basic knowledge in grammar usage for communication
- How to develop public speaking skill & Personality development techniques

Activity Curriculum

- 01 Listen Up
- 02 My Day
- 03 Stages of Life
- 04 Types of Co-workers
- 05 Friendship Phrases
- 06 My House
- 07 My Health
- 08 My Interests
- 09 Study Phrases
- 10 Confusing Words
- 11 Driving Expressions
- 12 Remembering someone/something
- 13 Daily Telephone Phrases
- 14 No 'OMG'
- 15 Wish 'GOOD LUCK'
- 16 Words for Sadness
- 17 English for difficult situations
- 18 Few & Little
- 19 Accepting Apologies
- 20 Asking Questions
- 21 Miss & Lose
- 22 Book Phrases
- 23 Different ways to 'EAT'
- 24 Money Talks
- 25 Workplace idiom

DIGITAL TECHNOLOGY

Courses

- 01. 3D Pen Doodle Art
- 02. Arduino IoT Maker
- 03. Generative AI ChatGPT
- 04. Robotics
- 05. 3D Printing
- 06. CAD Foundation Program
- 07. Data Science & Visualization
- 08. Junior Animator
- 09. 3D Animation
- 10. Build a PC & Networks
- 11. Junior Youtuber
- 12. Certified Blogger





O 3D Pen Doodle Art

Course Objective

This course is to enable the students to develop proficiency in using a 3D pen as a creative tool for designing and constructing three-dimensional objects while promoting problem-solving skills and fostering an understanding of the technology.

What will I learn?

- Basic of 3D Pen
- Constructing three-dimensional

Activity Curriculum

- 01 Getting to Understand and operate 3D PEN
- 02 Basics to draw using a 3D pen
- 03 Design Thinking
- 04 Understanding of geometric shapes with 3d pen
- 05 Activities Spectacles
- 06 Chair
- 07 Ice cream
- 08 Pen Stand
- 09 Phone Case
- 10 Dream Catcher
- 11 Hat
- 12 Bookmark
- 13 Fruit
- 14 Bicycle
- 15 Ant
- 16 Rabbit
- 17 Bat
- 18 Water Lily
- 19 Ball
- 20 Calendar
- 21 Flower
- 22 Fish
- 23 Bridge
- 24 Eiffel Tower
- 25 Robot



This is a basic level of course IoT using Arduino. The overall goal of this course is to give students necessary skills to create an IoT System from scratch, based on Arduino.

What will I learn?

- Describe the core concepts of IoT systems.
- Outline the different elements of IoT system.
- Describing current and future global status of IoT.
- How to design hardware and software section of IoT system.
- Programming of microcontrollers with network integration, based on Arduino.
- Building an IoT system with Cloud Computing.

Activity Curriculum

- 01 Introduction to Internet of Things (IoT)
- 02 Overview of Components
- 03 Communication Methods in IoT
- 04 Challenges in IoT
- 05 Applications of IoT
- 06 Introduction to Electronics
- 07 Basic Concepts in Electronics
- 08 Overview of Components in Electronics
- 09 Introduction to TinkerCad
- 10 Circuit Activities in TinkerCad (simple)
- 11 Circuit Activities in TinkerCad (intermediate)
- 12 Circuit Activities in TinkerCad (intermediate)
- 13 Circuit Activities in TinkerCad (advanced)
- 14 Circuit Activities in TinkerCad (advanced)
- 15 Basics of ESP32 Board and its Architecture
- 16 Intro. to Arduino IDE and its Programming Principles
- 17 Arduino Programming: ESP32 (simple)
- 18 Arduino Programming: ESP32 (intermediate)
- 19 Arduino Programming : ESP32 (intermediate)
- 20 Arduino Programming: ESP32 (intermediate)
- 21 Arduino Programming: ESP32 (adv. based on Wi-Fi)
- 22 Arduino Programming: ESP32 (adv. based on Wi-Fi)
- 23 Arduino Programming : ESP32 (adv. based on Cloud App.)
- 24 Arduino Programming: ESP32 (adv. based on Cloud App.)
- 25 Conclusion of the Course



Generative AI - ChatGPT

Course Objective

The objective of this course is to introduce the students to the concepts and techniques of chatbot development using generative pre-trained transformer (GPT) models and artificial intelligence (AI) tools. The course will cover topics such as natural language processing, neural networks, GPT architectures, dialogue systems, chatbot evaluation, and ethical issues.

What will I learn?

- Understand the principles and challenges of natural language processing and dialogue systems.
- Apply GPT models and AI tools to create chatbots for various domains and purposes.

Day	Tonico
Day	Topics

- 01 Introduction to Al generate Chat GPT
- 02 Natural Processing Language and Types of Al
- 03 Applications of AI & Different AI Tools
- 04 Introduction to Chat GPT & ChatBot
- 05 History & Different Version_ Chat GPT
- 06 Chat GPT Demo & Comparison with Google.
- 07 Chat with images & Create images from text
- 08 Chat with voice & Use and build custom GPTs
- 09 Experiment with different I/O of your custom GPTs
- 10 Creative writing with AI generate Chat GPT
- 11 Learn how to use Al generate Chat GPT
- 12 Experiment with different genres and formats of writing
- 13 Content creation with AI generate Chat GPT
- 14 Al generate Chat GPT to content for various platforms
- 15 Different types of content social media posts
- 16 Create blog articles & newsletters
- 17 Practices from AI generate Chat GPT to optimize content
- 18 Education and learning with AI generate Chat GPT
- 19 Learn how to use Al generate Chat GPT as a tutor
- 20 Experiment with different subjects and topics of interest
- 21 Al generate Chat GPT to enhance your knowledge
- 22 Fun and entertainment with AI generate Chat GPT
- 23 Ethical scenario of chatGPT &AI
- 24 Different games & activities such as trivia, jokes, stories, etc.
- 25 Get surprises and challenges from AI generate Chat GPT to keep you engaged



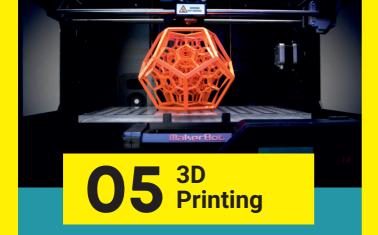
This course introduces robotics in a simplistic approach to the application of electronics that students in elementary and high school levels can cope with, and appreciate. In this course, we look at Robotics with a STEM point of view and understand its subtle and not so subtle benefits

What will I learn?

- The art of crafting with a scientific approach
- Crafting mechanical products in a fun based learning approach
- Robocrafts that will amaze you

Day	To	pics	

- 01 Introduction to STEM Robotics
- 02 Creativity and Innovation- interactive session
- 03 Tallest structure
- O4 3D Drawing and 3D Shapes, Fold and cut letters
- 05 Balloon rocket
- 06 Building a park- basic structure, swing
- 07 Building a park- merry-go-round, structures
- 08 Building a park- slide, well
- 09 Building a park- see-saw
- 10 Building a park- arranging the products
- 11 Pencil electrolysis of water
- 12 Hydraulic elevator
- 13 Circuit basics
- 14 Lamp post
- 15 RC Robo Car-Chassis fitting
- 16 RC Robo Car-Switch box connection
- 17 RC Robo Car-Testing and robocraft race
- 18 Line follower-Introduction to sensors, ideation
- 19 Line follower-Chassis fitting
- 20 Line follower-L293D module fitting
- 21 Line follower-IR sensor fitting, completion
- 22 Line follower-Making path, robocraft race
- 23 Phototropic robot-Ideation
- 24 Phototropic robot-Chassis fitting
- 25 Phototropic robot-L293D and sensor fitting, completion and robocraft race



The goal of this course is to equip students with the core knowledge and tools needed for learning basics of CAD software and creating prototypes utilizing 3D printing.

What will I learn?

- Demonstrate knowledge of key historical factors that have shaped manufacturing over the centuries Explain current and emerging 3D printing applications in a variety of industries.
- Evaluate real life scenarios & recommend the appropriate use of 3D printing technology.
- Identify opportunities to apply 3D printing technology for time and cost savings.

Day	Topics
01	Introduction to Dimensions
02	Introduction to 3D modelling in TinkerCad
03	Login with TinkerCad and making an account
04	Design and Modification of 3D objects
05	Creation of 3D Models (basic)
06	Activity 1: Design of Simple objects
07	Activity 2: Design of Simple objects
08	Design of 3D models (intermediate)
09	Activity 3: Design of 3D objects using tools
10	Activity 4: Design of 3D objects using tools
11	Importing files in TinkerCad
12	Activity 4: Design of Sketch models
13	Making of Assembly Models
14	Activity 5: Design of Assembly models
15	Activity 6: Design of Assembly models
16	Introduction to Slicing software
17	Role of slicing in 3D Printing
18	Introduction to FDM Printers
19	FDM machine anatomy
20	Machine setup Understanding
21	Activity 1: 3d printing of simple objects
22	Activity 2: 3d printing of hollow objects
23	Activity 3: 3d printing of Sketch objects
24	Activity 4: 3d printing using student's creativity
25	Current and Future Application



O6 CAD Foundation Program

Course Objective

The purpose of this course is to provide students with the fundamental skills and resources required for utilising AutoCAD for skilled 2D drawing, design, and drafting.

What will I learn?

 By the end of the course, students will have learned the steps involved in solving a design challenge and will be able to develop extremely accurate designs and 2D drawings.

Activity Curriculum

Day Topics 01 Introduction to CAD Exploring the AutoCAD interface. AutoCAD Basic commands 03 Absolute Cartesian coordinate method. 04 Relative Rectangular Co-ordinate method. Relative Palar Co-ordinate method. 06 Direct distance entry method 07 08 Drawing Commands in AutoCAD[Ray, X-line or Construction line. Multiline. Polyline.] Drawing Commands in AutoCAD: [Polygon, Rectangle.] Drawing Commands in AutoCAD: Circle & Arc 10 Drawing Commands in AutoCAD: Donut, Ellipse 11 12 Object Snap tools in AutoCAD 13 Object Selection Methods in AutoCAD Modifying Commands in AutoCAD 14 15 Modifying Commands in AutoCAD 16 Modifying Commands in AutoCAD 17 Modifying Commands in AutoCAD 18 Advanced Tools in AutoCAD 19 Advanced Tools in AutoCAD: Text Advanced Tools in AutoCAD: line type

23 Layers

Dimensions

21

24 2D skill development section

About dimensioning tools.

25 2D skill development section



Visualization

Course Objective

The main objective of data visualization is to make it easy for identifying patterns, trends, and outliers in large data sets. The term is often used interchangeably with others, including information graphics, information visualization and statistical graphics.

What will I learn?

- Knowledge for applying data science concepts and methods
- •The real-world contexts and will communicate the problem solving solutions effectively

Activity Curriculum

- D1 Basic Statistical Concepts, Data measures
- 02 Statistical Graphs and Charts
- 03 Introduction to Data Analysis and Visualization
- 04 Introduction to Tableau features, Interface
- 05 Tableau file types, Green and Blue Pills
- 06 Set up Data sources, working with extracts
- 07 Data interpreter, Split fields
- 08 Pivoting Data in Tableau
- 09 Joins and Union in Tableau
- 10 Visual Analytics with Tableau, best practices
- 11 Case study Build Cross tabs, Heat maps, Bar
- 12 Case study Build Stacked bar, Side-by-side bars
- 13 Case study Pie charts, Line charts, Scatter plot
- 14 Calculation Functions: Number, String, Date
- 15 Boolean and logical functions
- 16 Mapping Concepts longitude, lattitude
- 17 Case study Standard map view, Marks Card
- 18 Sorting and examples
- 19 Filtering and examples
- 20 Grouping and examples
- 21 Sets and examples
- 22 Trend lines and reference lines
- 23 Create Dashboard
- 24 Story points
- 25 Sales Dashboard Management report



Blender is a free and open-source 3D computer graphics software tool set used for creating animated films, visual effects, art, 3D-printed models, motion graphics, interactive 3D applications, virtual reality, and, formerly, video games. Blender's features include 3D modelling, UV mapping, texturing, digital drawing, raster graphics editing, rigging and skinning, fluid and smoke simulation, particle simulation, soft body simulation, sculpting, animation, match moving, rendering, motion graphics, video editing, and compositing.

What will I learn?

- The student will learn the fundamentals of 3D Blender software
- They can create basic 3D models using different kind of methods in Blender

Activity Curriculum

- 01 Introduction
- 02 Blender Interface
- 03 Curves and NURBS
- 04 2D Shapes
- 05 Modeling basics
- 06 Furniture Modeling
- 07 Vehicle Modeling
- 08 Simple character modeling
- 09 Working with Materials
- 10 Applying Textures
- 11 UV Mapping
- 12 Lighting
- 13 Cameras
- 14 Animation
- 15 Rigging
- 16 Working with Bones
- 17 Rendering Still Images
- 18 Rendering Still Animations
- 19 Blender Modifiers
- 20 Blender Particles
- 21 Blender Activity I
- 22 Blender Activity II
- 23 Blender Activity III
- 24 Blender Activity IV
- 25 Blender Activity V



O9 3D Animation

Course Objective

If you can imagine it, you can model it! Dive into 3D art creation with Autodesk Maya, the modeling and animation software package used by the pros. Utilize techniques like digital sculpting and surface modeling to make your models from scratch and then bring them to life with animation. This course turns your imagination into reality so you can share your vision to inspire others

What will I learn?

- The basic principles of modeling
- Texturing, lighting and rigging fundamentals
- Character animation techniques
- Basics of rendering process

_		_		
Day	/	To	pi	CS

- 01 Introduction Animation Around The World
- 02 Understanding The Maya Interface & Basic Tools
- 03 Creating And Open The Maya Projects
- 04 Modeling Basics I
- 05 Modeling Basics II
- 06 Basics Of Texturing
- 07 Lighting And Shading Fundamentals
- 08 Introduction To Rigging
- 09 Understanding The Animation And Keyframe
- 10 Animation Timing And Frame Settings
- 11 Animation Using Motion Paths
- 12 Importing The Rigged Character To Maya Project
- 13 Animation Character Happy Face Impression
- 14 Character Angry Face Impression
- 15 Lips Movement
- 16 Various Hands Action
- 17 Character To Pick Up Objects
- 18 Throwing A Ball
- 19 Kicking The Ball Action
- 20 Walk Cycle
- 21 Walk And Sit Action
- 22 Running Action Action
- 23 Adding Background
- 24 Creating And Animating Cameras
- 25 Basic Of Rendering Process



This course will enable you to learn basics on how to assemble PCs and configure networks to connect between PCs, so that you get a thorough understanding on the office or company network infrastructure design.

What will I learn?

- Types of computer hardware components.
- Types of networking components.
- Assembling a PC.
- Setting up a basic network.
- Connecting PCs via network.
- The configuration of software.

Day	To	

- O1 Introduction to Computer System
- 02 Components of A Computer System
- 03 Input Devices
- 04 Output Devices
- 05 Memory Storage Devices
- 06 Safety Precautions and Tools
- 07 Installing Motherboard and Processor
- 08 Installing SMPs, Harddisk, RAM and NIC
- 09 Installing Peripherals
- 10 Boot Process and BIOS
- 11 OS Concepts And Windows OS Installation
- 12 Ubuntu Linux Installation
- 13 Understanding and Installing Drivers
- 14 Installing Software
- 15 Installing Printer and Scanner
- 16 Basics of Networking and Devices
- 17 Types of Area Networks
- 18 Types of Network Topology
- 19 Types of Network Cables
- 20 Types of Twisted-pair Cables
- 21 Color Coding and Crimping
- Workgroup, Domain and Ip Addressing
- 23 Setting Ip and Connecting 2 PC
- 24 Transferring Files Between PC's
- 25 Internet Basics and Troubleshooting



Having a YouTube channel is a fun way for kids to express themselves. It also helps them to develop their skill sets such as acting, broadcasting and editing. They can create their own ideas, activities, and happiness as videos.

What will I learn?

- Creating YouTube content about enything
- Enable children to reach high by becoming the best version of themselves

Activity Curriculum

- 01 Intro to YouTube and Create a Google account
- 02 Identifying Your Niche
- How to create a YouTube Channel, Creating Logo and Cover Art
- 04 Understanding with YouTube Control Panel & Channel Settings
- O5 Creating Your Channel Trailer: Self Intro and Welcome Message
- 06 Customizing Your Channel
- 07 Create Content Strategy &Research on video content
- 08 Understand Your Audience
- 09 Script your video
- 10 How to record high quality content
- 11 Recording Your Second Video
- 12 Intro to YouTube policies and guidelines
- 13 Editing footage
- 14 Editing Second Video
- 15 Upload & optimize video, adding effective video title
- 16 Make effective thumbnails, Create a thumbnail for the second video
- 17 Create an Intro & Outro Video for channel
- 18 Create a Third Video
- 19 Editing 3rd Video
- 20 Create and Promote Playlist
- 21 Add comments to help your channel growth
- 22 Monetization and Channel promotions
- 23 Intro to YouTube Shorts
- 24 Activity 10: YouTube Shorts Video
- 25 Scaling your YouTube Channel



Blogging is an excellent way of sharing your passion of knowledge to public in a creative online environment. Blogging gives a sense of satisfaction that you are doing something that involves the creative part of your brain. This program provides a support to explore and present your creative ideas in online media and help you to build an impressive outlook to your viewers. A best way to publish in a profitable and an authoritative way.

What will I learn?

- •To share their own knowledge & earn at the same time.
- •To promote a product and Building relations.
- Blogging as side income & Creating an online empire

Day	Topi	cs

- 01 Introduction to Blogging
- 02 Blogging Platforms
- 03 Blogging Essentials
- 04 Keyword Research Tools for Blogging
- 05 Getting Started- blogger.com
- 06 Customize your Blog Page, Post, Labels
- 07 Gadgets and The Blogger Layout
- 08 Comments and Backlinks
- 09 Publish, Archive and share you Blog
- 10 Creating a Blogging Strategy
- 11 Integrating Blogging into a Business Strategy
- 12 Benefits of Blogging
- 13 Concepts of Vlogging
- 14 Living Through Blogging
- 15 Tips yo Run a Successful Blog
- 16 Mistakes yo Avoid When Blogging
- 17 Popular Tools for Bloggers
- 18 Getting Started on Blogging Wordpress
- 19 Customize your Wordpress Blog
- 20 Plugins and Wordpress Layout
- 21 Importance And Methods of Backlinks
- 22 Publish, Archive and share you Blog
- 23 Promote your Blog
- 24 Make Money from Blogging Adsense
- 25 Optimization of Blogging SEO Tips

SOFTWARE & PROGRAMMING

Courses

- 01. Linux
- 02. Video Editing
- 03. Junior Python Programmer
- 04. Junior Mobile APP Developer
- 05. Web Design
- 06. C Programming
- 07. C++ Programming
- 08. Java Programming
- 09. Scratch
- 10. Visual Basic
- 11. Short Film Cuts
- 12. Office Suite
- 13. E-Accounting





This course explores the various tools and techniques commonly used by Linux users. It is designed for those with limited or no previous exposure to Linux. Upon completion of this training you should have a good working knowledge of Linux, from both Graphical and Command Line perspective, allowing you to easily navigate through any of the major Linux distributions

What will I learn?

- The basic concepts & operations of Linux.
- Working with Apps in Linux.
- The basic Linux Commands.

Day	Topics
01	Introduction to Linux
02	Understanding Ubuntu Linux
03	Difference between Linux, Windows & UNIX
04	Navigating the Ubuntu Desktop
05	Knowing Ubuntu Unity Dash
06	Basics of installing applications
07	Installing Web Browsers
80	Installing Open Source Desktop application
09	Understanding GIMP
10	Working with GIMP
11	Understanding Inkscape
12	Working Inkscape
13	How to Browse the Web with Ubuntu
14	How to Keep Ubuntu up to Date
15	Understanding Thunderbird Email Client
16	Working with Libre Office
17	Libre Office - Writer, Calc
18	Libre Office - Impress, Base
19	Libre Office - Draw, Math
20	Editors - Gedit Editor basics
21	Editors - vi Editor basics
22	How to Manage Photos, Music and Videos
23	Linux File System basics
24	Creating users and groups
25	Basic Linux commands



Adobe Premiere Pro is a timeline-based and non-linear video editing software application (NLE) developed by Adobe Inc. and published as part of the Adobe Creative Cloud licensing program. First launched in 2003, Adobe Premiere Pro is a successor of Adobe Premiere (first launched in 1991). It is geared towards professional video editing, while its sibling, Adobe Premiere Elements, targets the consumer market.

What will I learn?

- Understand terminology used in video editing: create, edit & combine sequences
- Edit and combine audio, video & still images
- Create titles and credits for videos
- Publish a video to a format suitable for web use

Day	pics

- O1 Introduction to Video editing & Adobe Premiere Pro
- 02 Adobe Premiere Pro interface and tools
- 03 Project Settings
- 04 An Insight to Importing Footage
- 05 Knowing the Process of Importing Photoshop & After Effects
- 06 Exploring Organizing Media
- 07 Understanding Fundamentals of Video Editing
- 08 Using Clips and Markers
- 09 Adding Transitions
- 10 Editing Techniques
- 11 Understanding Clips in Motion
- 12 Knowing Multi-camera Editing
- 13 Learn Editing and Mixing Audio
- 14 Adding Video Effects
- 15 Color Grading and Correction
- 16 Understanding Compositing Techniques
- 17 Exploring Titles
- 18 Working with Graphics
- 19 Understanding Motion Graphics
- 20 Exporting Sequences, Clips, and frames
- 21 Video editing Activity I
- 22 Video editing Activity II
- 23 Video editing Activity III
- 24 Video editing Activity IV
- 25 Video editing Activity V



The main objective is to understand programming skills and data strucutres in core Python language and to develop the Object Oriented Skills in Python.

What will I learn?

- Learn basic principles of Python programming language
- Learn perceiving object-oriented concepts and implementing the database and GUI applications

Day	Topics
01	Introduction to Python
02	Identifiers
03	Variables
04	Data Types
05	Operators: Arithmetic, Comparison, Assignment
06	Operators: Logical, Membership, Identity
07	Conditional Statements: If, if else, if elif, nested if
08	Conditional Statements: switch case, Ternary
09	Looping Statements: while, while else, for loop etc
10	Looping Statements: Break, continue
11	Looping Statements: Pass, range, import, return
12	Strings
13	Lists
14	Tuples
15	Dictionaries
16	Functions: Defining, Calling, Types of functions
17	Functions: Parameters & Arguments, Anonymous Functions
18	Modules
19	Files I/O: Printing, Reading, Opening, Closing, Writing files
20	Files I/O: Positions, Renaming, Deleting, Directories
21	OOPS concepts: Class and Object, Attributes
22	OOPS concepts: Inheritance, Types of Inheritance
23	OOPS concepts: Overloading, Overriding, Data hiding
24	Regular Expressions: Match, Search Function
25	Regular Expressions: Modifiers, Patterns



Junior Mobile Application Development Course using Thunkable is designed to teach computational thinking concepts through development of mobile applications. Students create applications by dragging and dropping components into a design view and using a visual blocks language to program application behaviour.

What will I learn?

 Students will have gained knowledge of the techniques and processes involved in development of mobile applications.

Activity Curriculum

Day Tonics

Duy	Topics
01	Basics of App Development: Basics of Thunkable
02	Text To Speech: UI, UX, Buttons, Text to speech
03	Speech To Text: Speech recognizer
04	Rolling Dice: Variables, Random number, Importing Images
05	Camera App
06	Object Recognizer: Camera, Image Recognizer
07	Barcode Scanner
80	Calculator: Variables, Mathematical operations,
	Conditional Statements
09	Music Player:
10	BMI Calculator
11	Alarm Clock
12	Drawing App 1: Stage, Canvas, Colourpicker, RGB
13	Drawing App 2: Stage, Canvas, Colourpicker, RGB
14	Rock Paper Scissors Game 1
15	Rock Paper Scissors Game 2
16	Login and Signup Pages: Multiple Screen navigation
17	Login and Signup Pages: Firebase Database
18	Survey Application 1
19	Survey Application 2
20	City Finder App : API, Fetching data from web, Maps,
	Location sensor
21	Weather App 1 :API Keys, Getting data from web
22	Weather App 2 :Design and code of the app
23	Space Game 1: Design and Learn sprites & canvas
24	Space Game 2: Design of the app interface
25	Space Game 3: Coding



In this course you'll learn how to design a website in Photoshop, HTML & CSS .We'll start right at the basics of web design principles, use Photoshop for creating, HTML basics, tags, tables, CSS, CSS Cheat Sheet, layout for a web page to perfecting the webpage.

What will I learn?

- Fundamentals of Design Principle
- Web Design Using Photoshop and HTML
- To create your own Website

Activity Curriculum

- 01 Introduction to Web & Web Designing
- 02 Design Principals & Web Components
- 03 Manual Web Designing: Layout & Structuring
- 04 Basics of Photoshop
- 05 Photoshop Environment and Tools
- 06 Photoshop Website Layout Setting
- 07 Photoshop Header & Navigation Menu
- 08 Photoshop Content Slider & Body Structuring
- 09 Photoshop Text and Style Implementation
- 10 Photoshop Image Process, Placing & Structuring
- 11 Photoshop Navigation Button Lay-outing
- 12 Introduction to HTML
- 13 Brief on HTML Components
- 14 Essentials of HTML Component Properties
- 15 Image in HTML
- 16 URL component
- 17 Introduction to Table
- 18 Introduction to CSS
- 19 Types of CSS
- 20 CSS cheat sheet
- 21 CSS text formatting
- 22 CSS dropdown & Colours
- 23 Image gallery
- 24 Website layout
- 25 Create a simple website



This course is designed to provide complete knowledge of the C language. Students will develop logical thinking that will help them create program applications in C.Beginner's learn the basic concepts of programming while those with priorknowledge can pursuewith enhanced codingthrough our activity based learning model.

What will I learn?

- The basic concept of programming
- How to work with textual information, characters and strings.
- How to work with arrays of complex objects.
- How to define and manage data structures.

Day	lopics
01	Overview Of Programming Language
02	Variables And Data Types
03	Operators
04	Basic Input / Output
05	Control Structures
06	Control Structures Loops Iteration Structures
07	Control Structures Loops/ Iteration Structures
80	Control Structures Loops Jump Statements - I
09	Control Structures Loops Jump Statements – I
10	Arrays Initializing, Accessing Values Of Array
11	Pointers
12	Dynamic Memory Allocation, Strings
13	Functions, Function Definition, Declaration Call
14	Functions, Function Arguments
15	Functions Interaction Between Functions
16	Structured Data Types Simple Structure
17	Structured Data Types Complex Structure
18	Structured Data Types Pointers
19	Structured Data Types Pointers To Complex
20	Structured Data Types Union
21	Files / Types of Files
22	Files Simple File Operations
23	Files Complex File Operations
24	Files Reading and Writing To A Binary File
25	Files Get Data Using Fseek()



This course provides fundamental knowledge of the Object Oriented Programming concepts and their implementation using C++. Students can work-out on logic building which will help them create program applications in C++. Beginners learn the basic concepts of programming while those with prior knowledge can pursue with enhanced coding through our activity based learning model.

What will I learn?

- The basic concept of Object-Oriented paradigm
- Syntax and semantics of the C++ programming language.
- How to design C++ classes for code reuse.

Activity Curriculum

- O1 Introduction to C++ Programming
- 02 Variable and Data Types In C++
- 03 Operators in C++
- 04 Basic Input / Output in C++
- 05 Control Structures Loop Iteration Structures
- 06 Control Structures In C++
- 07 Control Structures Loops Iteration Structures
- 08 Control Structures Loops Jump Statements
- 09 String Functions
- 10 Arrays Initializing, Accessing Values of Array
- 11 Pointers Pointer Variable Operators Expression
- 12 Dynamic Memory Allocation, Strings
- 13 Functions Function Arguments
- 14 Functions Interaction Between Functions
- 15 Object Oriented Programming (OOP) Class
- 16 Functions Function Definition Declaration Call
- 17 Object Oriented Programming (OOP) Object
- 18 Friend Function
- 19 Operator Overloading
- 20 Inheritance
- 21 Polymorphism
- 22 Constructors
- 23 Destructors
- 24 File and Templates I
- 25 File and Templates II



08 Java Programming

Course Objective

This course is designed to introduce you to some of the most powerful programming concepts in Java, including: objects, inheritance and collections. Students will learn how to use these object-oriented programming concepts in code examples, discover how these concepts are used in applications that require user input, and understand the benefits of mastering these concepts in Java.

What will I learn?

- Java Syntax and semantics to write Java programs.
- Concepts such as variables, conditional & iterative execution methods etc.
- Understand the fundamentals of OOP's in java

Day	op	

- 01 Introduction to java
- 02 Variables & Data Types
- 03 Operators & Java Conditions and If Statements
- 04 Looping Statements/iteration Statements in Java
- 05 Arrays
- 06 Java Classes
- 07 Java Strings
- 08 Java Methods
- 09 Java Encapsulation & Polymorphism
- 10 Java Inheritance
- 11 Java Packages
- 12 Java Interface
- 13 Exception Handling
- 14 Multi Threading
- 15 Multi Threading-Synchronization
- 16 Files and I/O
- 17 Applets:Life cycle/Loading applets in a webpage
- 18 Start with Applets/Graphical Components
- 19 Applets Graphical components
- 20 Event Listeners
- 21 Action Listeners
- 22 Mouse Listeners
- 23 Java DB Connectivity: JDBC API, JDBC and etc.
- 24 Java DB Connectivity: JDBC Test suite
- 25 Java DB Connectivity: Layers of JDBC Architecture



This course introduces students to Animation, Multimedia and Interactive Elements combined together to develop interactive stories, games, animations through Scratch programming. Scratch is a block based visual programming language that introduces students to the world of algorithms & programming. The activities encourage exploration of key computational thinking concepts and practices.

What will I learn?

- Basic animation with scratch.
- Create interactive stories
- Create online games.

Activity Curriculum

- 01 Block Based Visual Programming Language Basics-
- O2 Add Effects or Actions, Make A Music
- 03 Create Chase/catch/clicker Game
- 04 Basics of Scratch- Maze Cat
- 05 Basics of Scratch-create Greetings Cards
- 06 Animation Chatbot
- 07 Animation and Music
- 08 Dance Party Animation
- 09 Story Telling Samples
- 10 Art-paint Box
- 11 Drawing Polygons
- 12 Programming Features
- 13 Lists Questions and Answers
- 14 Creating a Basic Calculator
- 15 Function With Parameters
- 16 Game Boat Race
- 17 Game Analysis Memory Game
- 18 Game Analysis Dodge Ball
- 19 Brain Game
- 20 Catch The Dots
- 21 Clone Wars
- 22 Create Your Own World Treasure Hunt
- 23 Butterfly Tree
- 24 Ping Pong Game
- 25 Shooter Game



The goal of this course is to help students gain knowledge in the basic concepts of Object Oriented Programming and build skills to develop modern software programmes using the Visual Basic language. The course covers most of the Visual Basic language structure and syntax, as well as how to use features of Windows Forms and ActiveX Controls to make graphical user interface (GUI) applications.

What will I learn?

- Colours, Graphics and Layout.
- Image retouching.

Activity Curriculum

- 01 Introduction to visual basic
- 02 VB syntax
- 03 VB variables
- 04 VB strings
- 05 VB dates and time
- 06 Operators in visual basic
- 07 VB math
- 08 Decision statement if
- 09 Decision statement select case
- 10 Loops
- 11 Loops while statement
- 12 Loop do loops
- 13 Arrays
- 14 Visual basic methods
- 15 Methods optional parameters
- 16 Error handling
- 17 Try, catch, finally statement
- 18 Creating and managing classes
- 19 Graphics
- 20 Creating a pen
- 21 Drawing a rectangle
- 22 Printing text
- 23 Database
- 24 Building and connecting to database
- 25 Creating a database application



This course will enable you to learn the basics of film making giving a glance through the various areas of film making from pre production to post production.

What will I learn?

- Art of Story Telling
- Conversion Of Story To Screenplay
- Basics of Screenplay
- Basics of Scriptwriting
- Understanding DSLR and Mirrorless Camera
- Basics of Lighting and Composition
- Art of Editing
- Secret Tips In Post-Production

Activity Curriculum

Day	Topics
01	What is cinema
02	Art of observation
03	Art of Storytelling
04	The conversion of story to screenplay
05	Basics of Screenplay
06	Basics of Scriptwriting
07	Three Act Structure
80	Introduction to DSLR & Mirrorless Camera
09	Basic Structure & Parts in Camera
10	Sensors in Camera's & What is the uses of Filter
11	Shooting Using DSLR & Mirrorless Camera
12	Basics of Lighting
13	Photography Rules & Compositions
14	Understanding Camera Movements & its Types
15	Basics of Camera Rigging
16	Introduction to Post-Production & Art of Editing
17	Introduction to Editing Software
18	Assembling Clip In Prelude & Use's of Proxy File
19	Different Tools & Methods In Editing Software
20	Rules & Composition In Editing
21	Uses of Editing Monitors & Secret Tips
22	Basics Of Colour grading
23	Basics in Adding Metadata & Copywriter
21	Racine of Poet-Production

Secret Tips In Post-production



12 Office Suite

Course Objective

This course is meant to introduce students to the Microsoft Office suite with a package of industry-leading software programs including Word, Excel, and PowerPoint. In this short course, the student gets an introduction to what Office has to offer. They get an awareness of how MS Office Suite works, short cuts that can be used throughout the suite etc; and provides students with hands-on experience in practising what they study.

What will I learn?

- To work in MS Word, MS Excel
- MS Access & Power Point.

_		_		
Da۱	/	Го	pi	CS

- 01 Impact of office automation, Letter Drafting
- 02 To prepare an enquiry form
- 03 To create a bio data
- 04 Templates using MS Word
- 05 To create a picture based story book
- 06 Watermark in MS Word
- 07 To create a Textbook/ Report
- 08 To create a stock list using MS Excel
- 09 Keyboard shortcuts as a periodic table
- 10 Sort and Filter in MS Excel
- 11 Table creation
- 12 Mathematical calculations in MS Excel
- 13 Graphical representations in MS Excel
- 14 Tracking planner
- 15 Loan calculation
- 16 Mail merge
- 17 To create a pivot table
- 18 Data validation
- 19 VLOOKUP
- 20 Presentation using MS PowerPoint
- 21 Tables and Hyperlink
- 22 Transitions and custom slide
- 23 MS Access Tables and Forms
- 24 Queries in MS Access
- 25 Reports in MS Access



13 Accounting

Course Objective

This course will enable you to learn basics of Manual Accounting, and gainPractical Accounting knowledge in Computerized Environment. Finally you can prepare Financial Reports of Small and Medium Business Enterprises

What will I learn?

- The Basics of Business Organisations
- The Basic principles of Book keeping and Accounting procedures
- Practical Accounting with theoretical background
- The Basics of Computerised Accounting
- Practical Accounting in Computerised Environment
- Preparation of Financial Reports

Activity Curriculum

- O1 Introduction to Business and Business Transactions
- 02 Maintenance of Accounting Records
- 03 What is ERP
- 04 Defining Groups in Tally ERP-9
- 05 Defining Ledgers in Tally ERP-9
- 06 Inventory Management Stock Group Creation
- 07 Inventory Management Stock Category Creation
- 08 Inventory Management Units of Measure
- 09 Inventory Management Stock Item Creation
- 10 Managing Accounting Vouchers in Tally ERP-9
- 11 Vouchers Purchase
- 12 Vouchers Payment
- 13 Vouchers Receipt
- 14 Voucher Contra
- 15 Voucher Journal
- 16 Voucher Credit Note
- 17 Voucher Debit Note
- 18 Bank Reconciliation in Tally ERP9
- 19 Order Processing through Tally ERP9
- 20 Accounting of Bill of Materials
- 21 Session about Budget and Control
- 22 Security Control
- 23 MIS Report Preparation
- 24 Tax System in India
- 25 Tally to Excel, JPEG, PDF