



KERALA STATE RUTRONIX

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ACTIVITY CAMP

EMERGING  
TECHNOLOGIES





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[www.keralastaterutronic.com](http://www.keralastaterutronic.com)



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# Photoshop Creativator

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# 2D Cartoon Animation

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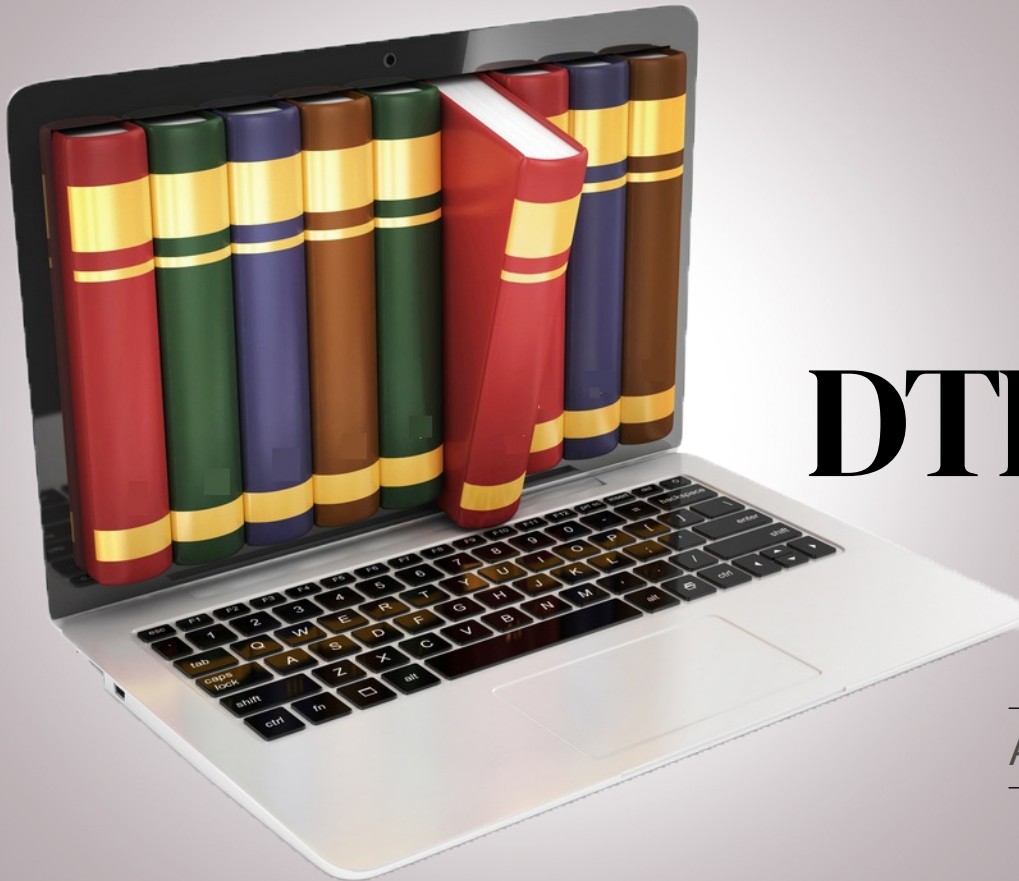


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# DTP & Interactive Design

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# Let`s Talk English

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# C++

# Programming

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# Tally



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# E- Accounting

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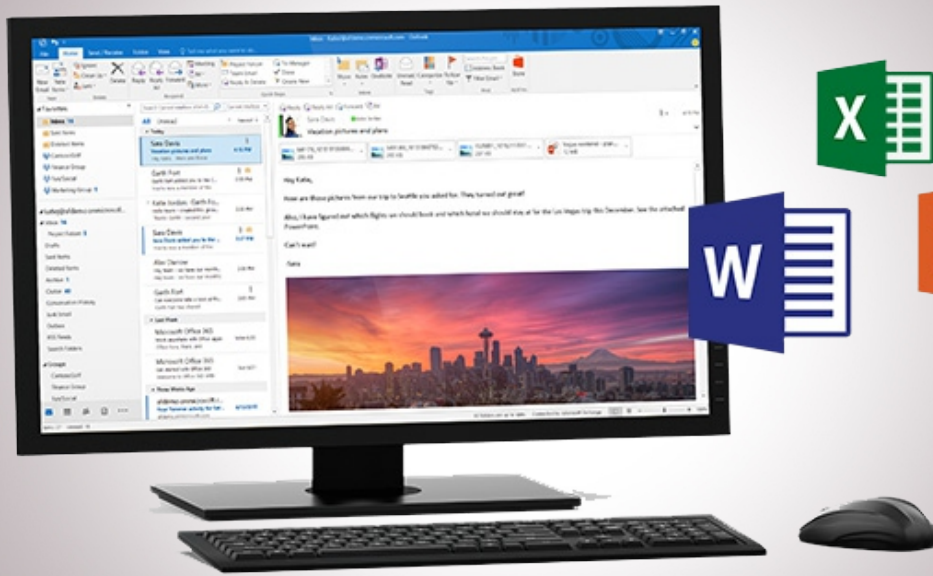




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# Office Suite

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# KERALA STATE RUTRONIX

## Online Courses

Emerging / New Technologies



### Artificial Intelligence (AI) & Deep Learning with Tensor Flow

This Course is on Artificial Intelligence, Neural Networks, Understand Deep Learning frameworks and Machine Learning Algorithms. The Student will be exposed to different layers in Neural networks, Data abstraction and Feature extraction using Deep Learning methodologies.



### Data Science Certification Course Using R

This Course employs techniques and theories drawn from many fields like Mathematics, Statistics, Information Science, and Machine Learning, Cluster analysis, Data mining, Databases, and Visualization. The Data Science Certification Course enables a Student you to gain knowledge of the entire life cycle of Data Science, analyse and visualise different data sets and Machine Learning Algorithms like K-Means Clustering, Decision Trees, Random Forest and Naive Bayes.



### Data Warehousing and BI Certification Training

Provides Deep insight into Data Warehousing and Business Intelligence techniques covering concepts like DW Architecture, Data Modelling, ERwin, ETL Fundamentals, Business Reporting and Data Visualisation.



### Talend for Data Integration and Big data



Talend Training for Data Integration and Big Data will help a learner on how to use Talend Open Studio to simplify Big Data Integration. The learner can then easily work with Apache Hadoop, Apache Spark, Apache Hive, Apache Pig, and NoSQL Databases using Talend. Talend Open Studio accelerates the task development process with its drag-and-drop and pre-built components for Data Offloading & Ingesting Data into Data Centers.



### **Cybersecurity Certification**

Cybersecurity Certification Course will in establishing a strong foundation towards the journey in the Cybersecurity domain. The student will be learning about the various fundamental concepts about Security essentials, Cryptography, Network Security, Application Security, Data & Endpoint Security, Cloud Security, Cyber Attack prevention and Identity & Access Management.



### **Blockchain and Ethereum Certification Training**

Blockchain and Ethereum Certification Training is designed to introduce the Learner to the concepts of Blockchain and its platforms – Bitcoin, Ethereum, Hyperledger and MultiChain. The course provides an overview of the structure and mechanism of Blockchain. You will learn about the Ethereum ecosystem, how smart contracts are developed using Solidity and how to deploy a business network using Hyperledger Compose.



### **Apache Spark and Scala Certification Training**

Apache Spark and Scala Certification Training is designed to prepare the Learner for the Cloudera Hadoop and Spark Developer Certification Exam (CCA175). In-depth knowledge will be gained on Apache Spark and the Spark Ecosystem, which includes Spark RDD, Spark SQL, Spark MLlib and Spark Streaming. The Student will get comprehensive knowledge on Scala Programming language, HDFS, Sqoop, Flume, Spark GraphX and Messaging System such as Kafka.



### **Big Data Hadoop Certification Training**

As organisations have realized the benefits of Big Data Analytics, Companies are looking for Big data & Hadoop experts with knowledge of related and best practices about HDFS, MapReduce, Spark, HBase, Hive, Pig, Oozie, Sqoop & Flume. Training. The Course is designed to certify the Learner as a Big Data practitioner by providing rich hands-on training on Hadoop Ecosystem and Big Data projects.



### **Python Spark Certification Training using PySpark**

PySpark Certification Training Course is designed to provide knowledge and skills to become a successful Big Data & Spark Developer. The learner will be exposed to the basics of Big Data and Hadoop and will learn how Spark enables in-memory data processing. The course covers RDDs, Spark SQL for Structured processing, Spark Streaming, Spark MLlib. It will also encompass the fundamental concepts such as data capturing using Flume, data loading using Sqoop, messaging system like Kafka and would help to clear the CCA Spark and Hadoop Developer (CCA175) Examination.



### **Natural Language Processing with Python Certification**

Natural Language Processing with Python course takes the Learner through the essentials of text processing all the way up to classifying texts using Machine Learning algorithms. Concepts such as Tokenization, Stemming, Lemmatization, POS tagging, Named Entity Recognition, Syntax Tree Parsing, Naïve Bayes algorithm will be taught.



### **Machine Learning Certification Training using Python**

Machine Learning Certification Training using Python helps to gain expertise in various Machine learning algorithms such as Regression, Clustering, Decision trees, Random forest, Naïve Bayes and Q-Learning. This Course exposes the Learner to concepts of Statistics, Time Series Analysis and Supervised, Unsupervised and Reinforcement algorithms.



### **Java, J2EE & SOA Certification Training**

Java Certification Training designed as per the Industry requirements encompasses comprehensive knowledge on basic and advanced concepts of core Java & Java EE along with popular frameworks like Hibernate, Spring, and Service Oriented Architecture (SOA). The Learner will gain expertise in the concepts like Java Array, Java OOPs, Java Function, Java Loops, Java Collections, Java Thread, Java Servlet, Java Design Patterns, and Web Services using Industry-use cases.



### **AWS Architect Certification Training**

Amazon Web Services (AWS) holds 69% share of the global cloud computing market. Some of the prominent companies who use AWS as their backbone are Kellogg's, Netflix, Adobe, Airbnb and General Electric. Irrespective of the size of an organization, everyone has started to adopt cloud services in one way or the other, and AWS is the major player in the cloud services industry. AWS Certification Training is designed to provide in-depth knowledge about AWS architectural principles and its services. The sessions will be conducted by industry practitioners who will train the Learner to leverage AWS services to make the AWS infrastructure scalable, reliable, and highly available. This training is completely aligned to AWS Certified Solutions Architect Exam.



### **Angular Certification Training**

Angular Certification Training will enable the Learner to build dynamic, responsive and interactive web applications by mastering the concepts. The Course covers Angular 8 concepts such as Angular Modules, Angular Components, Data binding, Angular Forms, DOM Manipulation using Directives and Pipes, Component interaction using Services and Dependency Injection (DI), to Fetch data using HTTP Client, Routing and Authentication with JWT plus Application Deployment using Nginx and Docker.



### **Selenium Certification Training**

Selenium Certification Training Course covers Selenium WebDriver, Selenium Grid, Selenium IDE, handling IFrames, Alerts and Modal Dialog box. The Student will learn to use Selenium supported plugins such as Robot Class, Cucumber, and Gherkin to control the automation environment. Hands-on experience will be provided in widely used Automation Frameworks such as Data-Driven Framework, Keyword-Driven Framework, Hybrid Framework, and Behaviour Driven Development (BDD) Framework. Throughout this Instructor led Selenium Certification Training, the Learner will be working on Real-life Industry use cases.



## Android App Development

The Google authorized Android Development course is primarily designed for programmers who want to learn how to create mobile applications on the Android platform. As a part of this course, the Learner will create Widgets, Customize List view, Grid view, Spinners etc, create applications using audio, video and sqlite database and finally publish it on Google Play. This course will help to learn Mobile app development from scratch and unlock new job opportunities in Start-ups as well as large organizations. The learner will Master Android app development, learn how to set up Android Studio, understand Android architecture in detail, learn about integrating the mobile apps with Facebook, Twitter and other social media, Google Drive, Google Maps, SQLite and learn to create and optimize Mobilke app for excellent user experience.



## iOS App Development Certification Training

iOS App Development Certification Training helps to become an `Expert in iOS App development by mastering concepts like Swift, Core Data, Networking & iCloud development while working on Industry-use cases and projects.



## IoT Certification Training on Azure

In IoT Certification Course on Azure the Learner will be working on Raspberry Pi, Sense HAT and will gain hands-on experience with Azure IoT Hub and Alexa Voice. It will also cover in-depth concepts such as IoT Framework, IoT Ecosystem, IoT Solution architecture, Networking Protocols and Application Layer protocols. This course will have Real life demo and Case studies which help to master the IoT technology.



## Mobile App Testing Using Appium

This course is designed to help build a solid foundation in the Mobile Application Testing domain. The course covers various fundamentals required for a thriving career as a Mobile Software Tester



## Microsoft Excel VBA Certification Training

Visual Basic for Applications (VBA) is an integral aspect of any analytics related course. This is because VBA finds multiple applications in Excel related tasks such as automation, interactions between Office applications and implementation of business logic in Excel. VBA significantly improves workbook performance and enables tasks which might have been impossible using simple MS – Excel Formulas.



### **Microsoft Power Business Intelligence (BI) Training**

Microsoft Power BI Training will help to achieve expertise in Business Analytics. At the end of this course, you will master the concepts like Power BI Desktop, Power BI DAX, Power BI Q&A, Power BI Content packs, Power BI Custom Visuals, Power BI Integrations with Azure Machine Learning and SQL Services.



### **Microsoft SharePoint 2013 Certification Training**

Microsoft Sharepoint Training will help to develop and deploy web solutions, manage identity and permissions, use workflow to manage business processes, use REST API, customize the user interface, web content management, etc. This course will certify the Learner as a Microsoft Sharepoint Developer.



### **Microsoftcertified Expert: Azure Solutions Architect (AZ-300)**

With Internet-based computing, exchange of information has been facilitated with universal access of the computing resources also allowing enterprises to store and process huge data in data centers provided by third-party. Azure Solutions Architect (AZ-300) course is designed in alignment with the Microsoft Azure's AZ 300 Examination. This course will give thorough knowledge of various Azure Services including all its PaaS, IaaS and SaaS features. The Learner will be made familiar with various components of complete Cloud solutions including Security, Network Configuration and Infrastructure Deployment.



### **Micro Strategy 10 Certification Training**

MicroStrategy 10 is an optimized easy-to-use analytics platform that consolidates analytics, mobility, and security in a single integrated platform and delivers dashboards and compelling visualizations to enable data driven decision making to organizations and end-users.



### **Salesforce certification training Admin and app builder**

Salesforce Certification Training will help to pass the Salesforce Administrator Examination (ADM 201) and the Salesforce App Builder (DEV 401) Examination. Concepts on Force.com Platform, AppExchange, SFDC Security Model, Service Cloud, Sales Cloud, Lightning App Builder and Salesforce Reports & Dashboard can be mastered

### **Google Cloud Certification Training - Cloud Architect**

Google Cloud Certification Training - Cloud Architect is designed to help the Learner to pass the Professional Cloud Architect - Google Cloud Certification. The Learner will get an in-depth understanding of all the GCP Services in Networking, Storage, Databases, Containers, Virtual Machines, App Engine, Security etc.



### **Robotic process automation training**

This course aims at making the Learner familiar with the concepts of Robotic Process Automation which eliminates the need for human intervention for performing repetitive, less complex tasks. This Course elaborates on the features and benefits of using Robotic Process Automation techniques in businesses.





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**CAMP**   
2020

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