



Sinhgad Institutes

Sinhgad Technical Education Society's  
**SINHGAD INSTITUTE OF MANAGEMENT**  
(Affiliated to Savitribai Phule Pune University, Approved by AICTE  
& Accredited by NAAC)

S.No. 44/1, Vadgaon (Bk.), Off Sinhgad Road, Pune 411 041  
Telefax : (020) 24356592 E-mail : director\_siom@sinhgad.edu Website : www.sinhgad.edu

**STUDENT TRAINING PROGRAM (STP)**  
**FOR SINHGAD MANAGEMENT INSTITUTES**  
**(2018-2019)**

Student Training Program is to support student's academic and professional growth by inculcating skills required by the industry. It helps the students to prepare holistically and achieve career heights.

SR. NO.	WEEK WISE ACTIVITY PLANNED / ALLOCATION	
1	WEEK 1 & 2	Reading Skills I
2	WEEK 3 & 4	Writing Skills I
3	WEEK 5 & 6	Aptitude Skills I
4	WEEK 7 & 8	GA & CA I
5	After the completion of the syllabus, parallelly with the classes.	Tests
6	WEEK 9 & 10	Reading Skills II
7	WEEK 11 & 12	Writing Skills II
8	WEEK 13 & 14	Aptitude Skills II
9	WEEK 15 & 16	GA & CA II
10	After the completion of the syllabus, parallelly with the classes.	Tests

**NOTE:**

1. GD can be conducted anytime during the week.
2. Domain Test specialization to be conducted.
3. Lectures / Week: 04
4. Certificate of the program only issued if the student has attended 80% of the course.



**Dr. Sagar Pawar**  
Academic Head, SIOM

Date: 13-03- 2019

## Notice For MCA Students

All MCA students are informed that Sinhgad Institute of Management (MCA) organizing the 5-day workshop on “**Internet of Things (IoT)**” where **Mr. Sumit Sharma** from **Knowledge Solutions India, Mumbai**, will deliver sessions on IOT - fascinating world of connected devices, smart technology, and the limitless possibilities that the Internet of Things offers.

This workshop aims to provide valuable insights, hands-on experience, and networking opportunities for MCA Students.

**Note: MCA – II-year students will be given priority.**

The detailed schedule of the workshop is as follows

Day & Date	Time
Friday 22-3-2019	10:00 pm to 1:00 pm & 2:00 to 5:30 pm
Saturday 23-3-2019	10:00 pm to 1:00 pm & 2:00 to 5:30 pm
Sunday 24-3-2019	10:00 pm to 1:00pm & 2:00 to 5:30 pm
Monday 25-3-2019	10:00 pm to 1:00pm & 2:00 to 5:30 pm
Tuesday 26-3-2019	10:00 pm to 1:00pm & 2:00 to 5:30 pm



**Dr. Chandrani Singh**  
Director, SIOM-MCA

INTERNET OF THINGS

# IOT

**KNOWLEDGE SOLUTIONS  
5 DAYS SDP CONTENT ON  
INTERNET OF THINGS**

## **1. Understanding IOT and Introduction to Raspberry Pi 3**

- **How the IoT works.**
- **Case study of IoT.**
- **Raspberry Pi 3**
- **Basics of Electronics**
- **Hardware Description & Pin Configuration**

## **3. Boot the Raspberry Pi**

- **Booting Into Desktop**
- **GUI Version**
- **CLI Desktop**

## **5. Understanding GPIO**

- **Study GPIO Pins**
- **Configuring GPIO Pins**

## **2. OS Installation on SD Card**

- **Raspberry Pi SD Installer**
- **Making SD Card: Formatting and Partitions**
- **Installing OS**

## **4. Network Setup**

- **Setting Up Using GUI**
- **Setting Up Using Command Line**
- **Finding Pi's IP Address**
- **Connecting with Wi-Fi/LAN**

## **6. Pi using SSH**

- **Enabling SSH**
- **Logging in using Putty**

## **7. Basic Python Scripting**

- Introduction to Linux.
- Programming fundamentals (Python)
- Writing Sample Python Programs
- Programming Raspberry pi 3

## **9. Talking to Android Phone with Raspberry Pi**

- Introductions to Serial Communication with Python.
- Using the Bluetooth Module(HC-05)

**Project 4: Controlling the Led using the Mobile Application**

## **11. Cloud Connectivity**

- How to connect Raspberry Pi to a Cloud Service Reporting Sensor Data to the cloud
- Use of Cloud Services of Thinkspeak and adafruit for IOT

**Project 8 : Posting Sensor Data to Cloud Service**

## **8. Controlling the hardware using python.**

- Interface Sensors & Reading Values

**Project 1 : Glow LED's**

**Project 2: Interfacing of Sensor control LED using sensor**

## **10. RPi as a Webserver**

- Build a basic web app with Flask and python
- Basic web server with different pages, using Python, HTML, and CSS.

**Project 5 : Hosting a Website and controlling the device with web browser**

## **12. Home automation System**

- Interfacing of Relay Board
- Make a Security Alert System

**Project 6: Control Lights , Fan and other electrical home Appliance**

Attendance For Students

Internet Of Things 2019

Sr.No	Name of Student(Full Name)	Signature				
		Day-1	Day-2	Day-3	Day-4	Day-5
		22-03-2019	23-03-2019	24-03-2019	25-03-2019	26-03-2019
1	AUTE AMOL ASHOK	<i>Amol</i>	<i>Amol</i>	<i>Amol</i>	<i>Amol</i>	<i>Amol</i>
2	ABHALE PRATIK GORAKSHANATH	<i>Pratik</i>	<i>Pratik</i>	<i>Pratik</i>	<i>Pratik</i>	<i>Pratik</i>
3	ABHAY ASHOKRAO JOSHI	<i>Abhay</i>	<i>Abhay</i>	<i>Abhay</i>	<i>Abhay</i>	<i>Abhay</i>
4	ABHINAV AMBALAL PATOLE	<i>Abhinav</i>	<i>Abhinav</i>	<i>Abhinav</i>	<i>Abhinav</i>	<i>Abhinav</i>
5	ABHISHEK VYAS	<i>Vasav</i>	<i>Vasav</i>	<i>Vasav</i>	<i>Vasav</i>	<i>Vasav</i>
6	ADITI VIJAY KAPADI	<i>Aditik</i>	<i>Aditik</i>	<i>Aditik</i>	<i>Aditik</i>	<i>Aditik</i>
7	AISHWARYA CHOUKSEY	<i>Chau</i>	<i>Chau</i>	<i>Chau</i>	<i>Chau</i>	<i>Chau</i>
8	AISHWARYA SAHEBRAO TAWDE	<i>Tawade</i>	<i>Tawade</i>	<i>Tawade</i>	<i>Tawade</i>	<i>Tawade</i>
9	AJINKYA ANIL LAKADE	<i>A Lakde</i>	<i>Alakde</i>	<i>Alakde</i>	<i>Alakde</i>	<i>A lakde</i>
10	AJINKYA SUNIL SAVALKAR	<i>A.S.S</i>	<i>A.S.S</i>	<i>A.S.S</i>	<i>A.S.S</i>	<i>A.S.S</i>
11	AKASH CHHOGARAM KUMAWAT	<i>akash</i>	<i>akash</i>	<i>akash</i>	<i>akash</i>	<i>akash</i>
12	AKASH RAJIV POPHALI	<i>akash</i>	<i>akash</i>	<i>akash</i>	<i>akash</i>	<i>akash</i>
13	AKASH SANJAY KALYANKAR	<i>Kalyankar</i>	<i>Kalyankar</i>	<i>Kalyankar</i>	<i>Kalyankar</i>	<i>Kalyankar</i>
14	AKSHATA BHAIYYASAHEB DADMAL	<i>Akshata Damal</i>	<i>Akshata Damal</i>	<i>Akshata Damal</i>	<i>Akshata Damal</i>	<i>Akshata Damal</i>
15	AKSHAY AJAY GOTMARE	<i>Ajay</i>	<i>Ajay</i>	<i>Ajay</i>	<i>Ajay</i>	<i>Ajay</i>
16	AKSHAY DEORAO NIBRAD	<i>Deo</i>	<i>Deo</i>	<i>Deo</i>	<i>Deo</i>	<i>Deo</i>
17	AKSHAY KAMLESH ADATIYA	<i>Ak</i>	<i>Ak</i>	<i>Ak</i>	<i>Ak</i>	<i>Ak</i>
18	AKSHAY SANJAY BHARADE	<i>Ajay</i>	<i>Ajay</i>	<i>Ajay</i>	<i>Ajay</i>	<i>Ajay</i>
19	AMAR SHRIKISAN GHODKE	<i>Amr</i>	<i>Amr</i>	<i>Amr</i>	<i>Amr</i>	<i>Amr</i>

**Attendance For Students**  
**Internet Of Things 2019**

Sr.No	Name of Student(Full Name)	Signature				
		Day-1	Day-2	Day-3	Day-4	Day-5
		22-03-2019	23-03-2019	24-03-2019	25-03-2019	26-03-2019
20	AMIT ASHOK DHENDE	<u>Amit</u>	<u>Amit</u>	<u>Amit</u>	<u>Amit</u>	<u>Amit</u>
21	AMIT VINODRAO HADOLE	<u>A.V.H</u>	<u>A.V.H</u>	<u>A.V.H</u>	<u>A.V.H</u>	<u>A.V.H</u>
22	AMOL MADHAVRAO LADKE	<u>Amol</u>	<u>Amol</u>	<u>Amol</u>	<u>Amol</u>	<u>Amol</u>
23	AMRUTA RAMNATH GOSAVI	<u>Amruta</u>	<u>Amruta</u>	<u>Amruta</u>	<u>Amruta</u>	<u>Amruta</u>
24	ANIKET MOHAN LAD	<u>Lad.A.M.</u>	<u>Lad.A.M.</u>	<u>Lad.A.M.</u>	<u>Lad.A.M.</u>	<u>Lad.A.M.</u>
25	ANIL BAPU CHAVAN	<u>Anil</u>	<u>Anil</u>	<u>Anil</u>	<u>Anil</u>	<u>Anil</u>
26	ANILKUMAR KARBASAPPA HARSUR	<u>Karbasappa</u>	<u>Karbasappa</u>	<u>Karbasappa</u>	<u>Karbasappa</u>	<u>Karbasappa</u>
27	ANITESH KUMAR SINGH	<u>Singh</u>	<u>Singh</u>	<u>Singh</u>	<u>Singh</u>	<u>Singh</u>
28	ANJALI LAXMIKANTRAO GADADE	<u>A.L.G.</u>	<u>A.L.G.</u>	<u>A.L.G.</u>	<u>A.L.G.</u>	<u>A.L.G.</u>
29	ANKITA KAILAS CHAUDHARI	<u>AKC</u>	<u>AKC</u>	<u>AKC</u>	<u>AKC</u>	<u>AKC</u>
30	Abdul Kaleem Shaikh	<u>Shaikh.A.</u>	<u>Shaikh.A.</u>	<u>Shaikh.A.</u>	<u>Shaikh.A.</u>	<u>Shaikh.A.</u>
31	Aditya Rajan Pargunde	<u>Kesari</u>	<u>Kesari</u>	<u>Kesari</u>	<u>Kesari</u>	<u>Kesari</u>
32	Alisha Anil Kesari	<u>Alisha</u>	<u>Alisha</u>	<u>Alisha</u>	<u>Alisha</u>	<u>Alisha</u>
33	Rajratna Swami Alone	<u>Rajratna</u>	<u>Rajratna</u>	<u>Rajratna</u>	<u>Rajratna</u>	<u>Rajratna</u>
34	Aniket Raj	<u>Aniket Raj</u>	<u>Aniket Raj</u>	<u>Aniket Raj</u>	<u>Aniket Raj</u>	<u>Aniket Raj</u>
35	Ankit Anand Amkar	<u>A.A.A</u>	<u>A.A.A</u>	<u>A.A.A</u>	<u>A.A.A</u>	<u>A.A.A</u>
36	Ashish Kumar Tiwari	<u>AKT</u>	<u>AKT</u>	<u>AKT</u>	<u>AKT</u>	<u>AKT</u>
37	Ashish Sudhir Desai	<u>ashish</u>	<u>ashish</u>	<u>ashish</u>	<u>ashish</u>	<u>ashish</u>
38	Apurva Bhalerao	<u>Apurva</u>	<u>Apurva</u>	<u>Apurva</u>	<u>Apurva</u>	<u>Apurva</u>

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		Day-1	Day-2	Day-3	Day-4	Day-5
		22-03-2019	23-03-2019	24-03-2019	25-03-2019	26-03-2019
39	Laxmi Baliram Bhosale	<u>Laxmi</u>	<u>Laxmi</u>	<u>Laxmi</u>	<u>Laxmi</u>	<u>Laxmi</u>
40	Sonali Bhosale	<u>Sonali</u>	<u>Sonali</u>	<u>Sonali</u>	<u>Sonali</u>	<u>Sonali</u>
41	Akshay Borale	<u>Akshay</u>	<u>Akshay</u>	<u>Akshay</u>	<u>Akshay</u>	<u>Akshay</u>
42	Prajakta Choudhari	<u>Prajakta</u>	<u>Prajakta</u>	<u>Prajakta</u>	<u>Prajakta</u>	<u>Prajakta</u>
43	Priyanka Chaudhari	<u>Pchoudh.</u>	<u>Pchoudh.</u>	<u>Pchoudh.</u>	<u>P.choudh.</u>	<u>Pchoudh.</u>
44	Akshay Chellath	<u>Akshay</u>	<u>Akshay</u>	<u>Akshay</u>	<u>Akshay</u>	<u>Akshay</u>
45	Suvarna Chandrakant Deokar	<u>Suvarna</u>	<u>Suvarna</u>	<u>Suvarna</u>	<u>Suvarna</u>	<u>Suvarna</u>
46	Sandip Dharmadhikari	<u>Sandip</u>	<u>Sandip</u>	<u>Sandip</u>	<u>Sandip</u>	<u>Sandip</u>
47	Ramesh Chandrabhan Dhivar	<u>Ramesh</u>	<u>Ramesh</u>	<u>Ramesh</u>	<u>Ramesh</u>	<u>Ramesh</u>
48	Pooja Lahu Digole	<u>Pooja</u>	<u>Pooja</u>	<u>Pooja</u>	<u>Pooja</u>	<u>Pooja</u>
49	Faruk Majid Shaikh	<u>Faruk</u>	<u>Faruk</u>	<u>Faruk</u>	<u>Faruk</u>	<u>Faruk</u>
50	Puja Rajeshwar Gadewar	<u>Puja</u>	<u>Puja</u>	<u>Puja</u>	<u>Puja</u>	<u>Puja</u>
51	JADHAV SHUBHAM RAMESH	<u>Shubham</u>	<u>Shubham</u>	<u>Shubham</u>	<u>Shubham</u>	<u>Shubham</u>
52	AVINASH MANIK CHAVAN	<u>Avinash</u>	<u>Avinash</u>	<u>Avinash</u>	<u>Avinash</u>	<u>Avinash</u>
53	BHAVIN PRAMOD JETHAWA	<u>J.B.P.</u>	<u>J.B.P.</u>	<u>J.B.P.</u>	<u>J.B.P.</u>	<u>J.B.P.</u>
54	DHAKAD PANKAJ KAILAS	<u>Dhakad P</u>	<u>Dhakad P</u>	<u>Dhakad P</u>	<u>Dhakad P</u>	<u>Dhakad P</u>
55	DURYODHAN SWATI MADHUKAR	<u>Dum</u>	<u>Dum</u>	<u>Dum</u>	<u>Dum</u>	<u>Dum</u>
56	LATE NARAYAN SANJAY	<u>Late N</u>	<u>Late N</u>	<u>Late N</u>	<u>Late N</u>	<u>Late N</u>



Dr. Chandrani Singh  
 Director, SIOM – MCA




Dr. Parag Kalkar  
 Director SIOM



## **2) PYTHON**



# Python Training

simpli|learn

## Table of Contents:

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- > Program Overview
- > Program Features
- > Delivery Mode
- > Prerequisites
- > Target Audience
- > Key Learning Outcomes
- > Certification Details and Criteria
- > Course Curriculum
- > Course End Project
- > Customer Reviews
- > About Us

## Program Overview:

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This course covers the fundamentals of Python and how to apply it to real-world applications. The modules, lesson-end projects, and assignments comprising the curriculum cover data operations in Python, strings, conditional statements, error handling, shell scripting, web scraping and the commonly used Python web framework: Django.

## Program Features:

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- > 36 hours of blended learning
- > 6 hours of Online self-paced learning
- > 30 hours of instructor-led training
- > Five lesson-end knowledge checks and 1 real-life course-end project
- > 20+ assisted practices on all modules
- > Industry-recognized course completion certificate

## Delivery Mode:

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**Blended** - Online self-paced learning and live virtual classroom

## Prerequisites:

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No prior programming knowledge or experience is necessary to take this online Python training course

## Target Audience:

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- > Software developers
- > Programming enthusiasts
- > Technical leads
- > Architects

## Key Learning Outcomes:

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By the end of this Python online training course, you will be able to:

- > Understand basic Python concepts
- > Implement file handling and exception handling techniques
- > Understand operators, sets, methods, and dictionaries in-depth
- > Run commands by implementing conditional statements, loops, and functions
- > Perform shell scripting with Python
- > Master Python Django and advanced web development in Python

## Certification Details and Criteria:

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- > Complete 80% of at least one Live Virtual Class and complete 85% of Online Self-Paced Learning classes.
- > No project criteria but pass the Assessment Test with 70 or marks.

## Course Curriculum:

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### Self Paced Curriculum:

#### Lesson 01 - Python Basics

- > Course Introduction
- > Learning Objectives
- > Introduction to Python and It s Features
- > Python Introduction - Uses and Flavours
- > Python Introduction - Why Python
- > Software Installation and Environment Setup
- > Demo: Software Installation and Environment setup
- > Data Types
- > Input Output Functions
- > Demo: Data Types and Input Output Functions
- > Key Takeaways

## Lesson 02 - Data Operations

- > Learning Objectives
- > Data Type Conversion
- > Arithmetic Operators
- > Comparison Operators
- > Assignment Operators
- > Bitwise Operators
- > Demo: Data Operations
- > String Methods
- > Demo: String Operations
- > List Methods
- > Demo: List Operations
- > Tuple Methods
- > Demo: Tuple Operations
- > Sets Methods
- > Dictionary Methods
- > Demo: Dictionary Operations
- > Key Takeaway

## Lesson 03 - Conditional Statements and Functions

- > Learning Objective
- > Expressions
- > Conditional Statement
- > Demo - Conditional Statement
- > Loops - for loop
- > Loops - while loop
- > Demo - Loops
- > Functions
- > Demo - Functions
- > Key Takeaway

## Lesson 04 - Error Handling and File Operations

- > Learning Objective
- > File Handling
- > Demo - File Handling
- > Errors
- > Exceptions
- > Demo - Errors and Exceptions
- > Logging
- > Demo - Logging
- > Python Debugger(Pdb Module)
- > Demo - Python Debugger
- > Objects and Classes
- > Objects and functions
- > Demo - Object Oriented Programming
- > Key Takeaway

## Lesson 05 - Shell Scripting and Django

- > Learning Objective
- > Shell Scripting
- > Sys, OS and Sub-Process module
- > Reading Writing Files and Working with Date-time Module
- > Demo - Shell Scripting in Python
- > Web Scrapping
- > Demo - Web Scrapping using BeautifulSoup
- > Django - Intro and Architecture
- > Demo - Django Installation
- > Key Takeaway

# Live Virtual Class Curriculum:

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## Lesson 01 - Python Basics

- > Introduction
- > Software Installations and Setup
- > Assisted Practice: Install Python IDLE
- > First Python Script
- > Data Types
- > Input /Output Functions
- > Assisted Practice: Basics of Python

## Lesson 02 - Data Operations

- > Data Type Conversion
- > Data Operations
- > Assisted Practice: Data Operations
- > String Methods
- > Assisted Practice: String Operations
- > List Methods
- > Assisted Practice: List Operations
- > Tuple Methods
- > Assisted Practice: Tuple Operations
- > Sets
- > Dictionaries
- > Assisted Practice: Dictionary Operations

## Lesson 03 - Conditional Statements and Functions

- > Expressions
- > Conditional Statements
- > Assisted Practice: If else
- > Loops
- > Assisted Practice: For Loop Iterations
- > Assisted Practice: while Loop Iterations
- > Functions
- > Assisted Practice: Functions

## Lesson 04 - Error Handling and File Operations

- > File Handling
- > Assisted Practice: File Handling
- > Errors and Exceptions
- > Assisted Practice: Errors and exceptions
- > Debugging in Python
- > Assisted Practice: Logging
- > pdb Module
- > Assisted Practice: pdb Print Command
- > Assisted Practice: next and step Commands
- > Assisted Practice: Breakpoints
- > Assisted Practice: unt Command
- > Assisted Practice: display Command
- > Assisted Practice: w Command
- > Object-Oriented Programming
- > Assisted Practice: Classes and Objects

## Lesson 05 - Shell Scripting and Django

- > Shell Scripting
- > Shell Scripting with Python
- > Assisted Practice: Shell Scripting in Python
- > Web Scraping
- > Django
- > Assisted Practice: Web scraping



# Course End **Project:**

## **Employee Salary Appraisal**

As the head of a company's human resources department, you have to design a set of rules or parameters you consider to be important for employee appraisal. To do this you will have to create a username and password for the interface you are creating, then create a class that has the parameters needed for the appraisal, such as rating, discipline, and contribution. You then must design an equation for appraisal calculation based on class attributes.

# About Us:

Simplilearn is the world's #1 online bootcamp provider that enables learners through rigorous and highly specialized training. We focus on emerging technologies and processes that are transforming the digital world, at a fraction of the cost and time as traditional approaches. Over one million professionals and 2000 corporate training organizations have harnessed our award-winning programs to achieve their career and business goals.

For more information, please visit our website:

<https://www.simplilearn.com/mobile-and-software-development/python-development-training>



simplilearn.com

Simplilearn is the world's #1 online bootcamp for digital economy skills training focused on helping people acquire the skills they need to thrive in the digital economy. Simplilearn provides outcome-based online training across technologies and applications in Data Science, AI and Machine Learning, Cloud Computing, Cyber Security, Digital Marketing, DevOps, Project Management, and other critical digital disciplines.

Through individual courses, comprehensive certification programs, and partnerships with world-renowned universities, Simplilearn provides millions of professionals and thousands of corporate training organizations with the work-ready skills they need to excel in their careers. Based in San Francisco, CA, and Bangalore, India, Simplilearn has helped more than one million professionals and 2,000 companies across 150 countries get trained, acquire certifications, and reach their business and career goals. With over 1,000 live classes each month, real-world projects, and more, professionals learn by doing at Simplilearn. Ongoing industry recognition for the company includes the 2020 Aegis Graham Bell Award for Innovation in EdTech and the 2020 Stevie® Gold Award for Customer Service Success.

**India - United States - Singapore**

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### **3) Word Press**

## About WORDPRESS Course Bundle

Courses	You get access to all 8 courses, Projects bundle. You do not need to purchase each course separately.
Hours	29+ Video Hours
Core Coverage	WordPress installation, WordPress Semantics, Posts, pages, Blogging, WordPress Administration, Design & Layout, and various other advanced functions.
Course Validity	Lifetime Access
Eligibility	Anyone serious about learning content management and wants to make a career in this Field
Pre-Requisites	Basic knowledge about content management and basic coding would be preferable
What do you get?	Certificate of Completion for each of the 8 courses, Projects
Certification Type	Course Completion Certificates
Verifiable Certificates?	Yes, you get verifiable certificates for each course with a unique link. These link can be included in your Resume/LinkedIn profile to showcase your enhanced skills
Type of Training	Video Course – Self Paced Learning

## WORDPRESS Course Bundle Curriculum

MODULE 1: WordPress Essentials Training			
Courses	No. of Hours	Certificates	Details
WordPress Basics and Application Development	3h 56m	✓	<a href="#">View Curriculum</a>
WordPress - Basics	2h 29m	✓	<a href="#">View Curriculum</a>
Online Wordpress Course- Comprehensive Wordpress Training	14h 19m	✓	<a href="#">View Curriculum</a>

## MODULE 2: Projects based Learning

GOALS

OBJECTIVES

COURSE HIGHLIGHTS

PROJECT HIGHLIGHTS

### Goals

This course from EduCBA aims at providing the best in class theoretical concepts in WordPress and as well expose you to real-life projects during the frame of the course to prepare you and build in confidence for tackling the toughest nut to crack in professional life and be confident on proceeding with the methodology.

## WordPress Course – Certificate of Completion

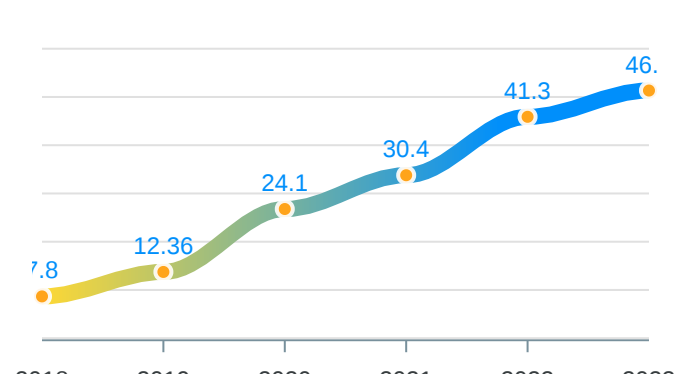


## What is WordPress?

WordPress may be defined as the web development framework that lets us design and develops the web application by making use of pre-defined templates. It helps to build the web-based platform in a matter of hours as it has various inbuilt components that can be simply selected to use. The web application developed in WordPress is comprised of several plugins that provide the functionality to the application. There are various templates out in the market that can be simply chosen to give the overall view to the web application. The very interesting thing about WordPress is, it is an open-source platform but some of the themes or plugins are paid based on how their developers want them to be used by the customers.

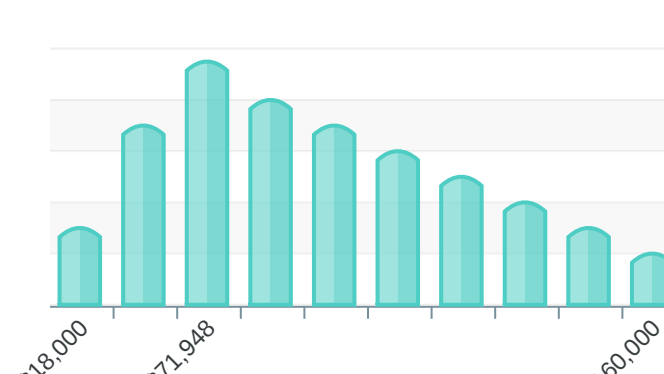
WordPress can also be considered as the open-source web application development platform that makes web development very easy by providing free templates or themes. How the outlook of the web application will depend on which template has been chosen. Though it is possible to change the structure and the color of the theme it is something that can be done to develop the customized web application. It is very easy to use and its interesting feature makes it a very famous tool among the developers. It is interesting to know that one can also design the WordPress based web application using the online as well as an offline platform.

### Industry Growth Trend



The rapid application development market size is expected to grow from USD 7.8 billion in 2018 to USD 46.2 billion by 2023, at a Compound Annual Growth Rate (CAGR) of 42.9% during the forecast period.  
[Source - MarketsandMarkets]

### Average Salary



Average Salary  
**\$71,948** per year

The average salary for a Web Developer is \$71,948 per year in the United States. Salary estimates are based on 3,732 salaries. The typical tenure for a Web Developer is less than 1 year.  
[Source - Indeed]

## Which tangible skills will you learn in this Course?

This Online WordPress Course has been designed and developed very carefully to meet the requirements of students, professionals, or anyone who want to learn WordPress to implement it. In this course, you will learn all the aspects of WordPress. Starting from the simple explanation about WordPress to the creation of actual web application, everything has been covered very sincerely. The examples used in this WordPress training has been selected wisely to deliver you much in less time. The efficient example solved in this tutorial will give you real exposure to how things work so that you could be made job-ready after finishing this course.

This WordPress Certification Course will also walk you through real-life examples of how WordPress could be leveraged to solve the actual or real life-based problems. The course will train you on all the points that fall under the shed of WordPress. In the mid of the WordPress training, you will start feeling confident about using this framework and by the end, you will be cognizant about WordPress and will be able to design or develop the web application on your own.

### Pre-requisites

To learn WordPress, there are some of the basic things that you should be knowing. The first one is web development. You should know how the web application is developed by writing the codes manually. It will make things very easy for you while you will be learning the advanced modules of WordPress. The second technology is, you should know which plugin can be used in which place. Knowing this will help you in developing an efficient web application that will be all set to solve the real-life problem. The understanding of the fundamental of the internet will also be helpful while learning WordPress. In this WordPress Training, we have tried to give you an overview of all the technologies that can be prerequisites for learning WordPress.

### Target Audience

The target audience for this Online WordPress Course could be the students, professionals, or anyone willing to learn web application development using WordPress. If we talk about students, they will be learning how to develop a web application that solves a real-life problem. Completing this WordPress Training will get them an edge when it comes to getting selected for the job or being selected for internships.

The professionals who are already working in the domain of web development and want to expand their learning by getting hands-on experience in WordPress are the best audience for this Online WordPress Course. They will be learning everything about web development using WordPress and will be making things easier for them. They will also be getting some good technical skills which will help them stand out from the crowd. The educators who are already training students on web development can also opt for this WordPress Certification to expand the domain of their training. Not just training, but they will also be getting a good chance to jump into production.

## **4) Certification on Angular JS**

Hours	63+ Video Hours
Core Coverage	Angular JS, Angular 5, Web Application Development with Flask and Angular JS, Angular 2, Protractor & Jasmine – Angular JS
Course Validity	Lifetime Access
Eligibility	Anyone serious about learning Angular JS and wants to make a career in Web development
Pre-Requisites	Knowledge of programming and web development, Basics of CSS, HTML, Javascript
What do you get?	Certificate of Completion for each of the 16 courses, Projects
Certification Type	Course Completion Certificates
Verifiable Certificates?	Yes, you get verifiable certificates for each course with a unique link. These link can be included in your resume/Linkedin profile to showcase your enhanced skills
Type of Training	Video Course – Self Paced Learning

## ANGULAR JS Course Bundle Curriculum

To give a great and easier experience to the learners of all the EduCBA users or subscribers, the course called Angular Js training has been designed as below. The complete list of courses and all the chapters have been categorized and

listed in the form of course curriculum for the Angular Js training with a detailed description of every course and its' contents in the format of different courses. A minimum of 63+ hours is needed to successfully finish this Angular Js training course content including the course completion certification. The below table gives a complete overview of all the courses and the list of chapters normally covered in this course content-

<b>MODULE 1: Angular JS Essentials Training</b> <span>▼</span>			
<b>Courses</b>	<b>No. of Hours</b>	<b>Certificates</b>	<b>Details</b>
AngularJS Training Essentials	11h 38m	✓	<a href="#">View Curriculum</a>
AngularJS Case Study - Creating Applications	6h 36m	✓	<a href="#">View Curriculum</a>
Angular 5 Tutorials	1h 58m	✓	<a href="#">View Curriculum</a>
Angular 2	2h 1m	✓	<a href="#">View Curriculum</a>
Angular JS	3h 02m	✓	<a href="#">View Curriculum</a>

## **MODULE 2: Web App Development with Angular** ▼

## **MODULE 3: Advanced JavaScripts** ▼

## **MODULE 4: AngularJS Interview Questions** ▼

## MODULE 4: Mock Tests & Quizzes

 GOALS 

  
OBJECTIVES

  
COURSE  
HIGHLIGHTS

  
PROJECT  
HIGHLIGHTS

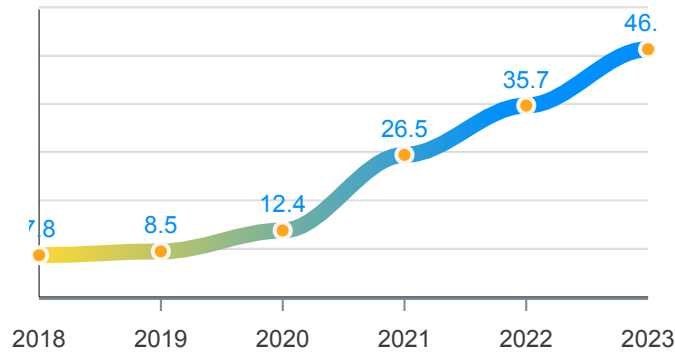
### Goals

The goal of this course is to train folks effectively on Angular JS and help them in mastering this technology. This training will be enabling the trainees to understand the concepts from scratch and will also help them learn how to leverage it while application UI development.

## Angular JS Course – Certificate of Completion



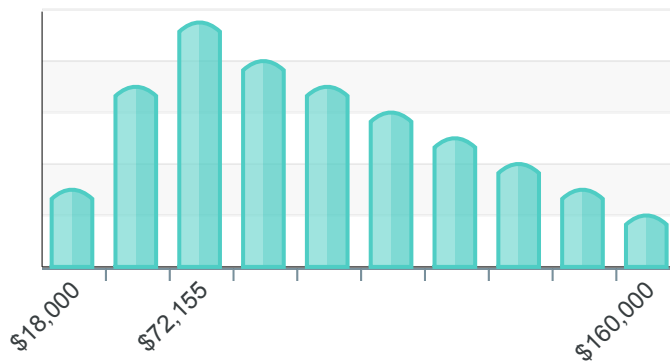
# Industry Growth Trend



The rapid application development market size is expected to grow from USD 7.8 billion in 2018 to USD 46.2 billion by 2023, at a Compound Annual Growth Rate (CAGR) of 42.9% during the forecast period.

[Source - MarketsandMarkets]

# Average Salary



Average Salary

**\$72,155** per year

The average salary for a Web Developer is \$72,155 per year in the United States.

[Source - Indeed]

# What tangible skills will I learn from this course?

1. The set of skills that can be acquired on completion of this course are web HTML, CSS, AJAX, Angular JS, Web Application Development, Flask, Protractor, Jasmine, Angular 5, Angular 2, DOM, JavaScript Framework, MVC application, etc.
2. Angular Js certification training has many excellent courses under it and many chapters under each course that are covered in this course curriculum which is very useful in obtaining the knowledge of several types of Angularly related concepts and several other skills related to the SPA web development.
3. There are also some other skills which can be added from this Angular Js training course are such as Angular, UI, HTML, AJAX, mobile app development, etc.
4. The Angular Js training also has a set of tangible skills which are Single-page Applications Development, Mobile and web app development, HTML5, CSS3, etc. -are several types of skills according to the training course content.
5. This Angular Js certification training is very useful in web application development for the prospective Web Development engineers, web engineers, [HTML developers](#), Angular Developer, JavaScript Developer to develop high end or rich UI apps or mobile apps.

## Pre-requisites

- **Willingness to pursue a career as Angular Developer or JavaScript Developer or Front-end Developer:** The Angular Js training has few prerequisites which are required to proceed with the course contents which are such as JavaScript or basic knowledge of HTML or CSS and its concepts and basics of web

development is also recommended to easily learn the course content in Angular Js training. This Angular Js training course is easy to learn if one has basic or intermediate knowledge in core concepts of HTML5, CSS3 or JavaScript, and also any previous hands-on experience is an added advantage in the Angular Js and JavaScript development area to complete this course.

- **Knowledge in JavaScript or JS frameworks or UI Development:**

Any relevant experience or basic knowledge in the areas of web development or any JS frameworks is an added advantage and any experience in maintaining any types of JS framework based applications or systems will be a greater benefit to further learn the contents of this Angular Js certification training easily.

## Target Audience

- **Students of Engineering in Computers:** Any learner who is having a bachelor of engineering degree in computer science or any other degree in computers and are having strong knowledge in the Web applications development, HTML or CSS or JavaScript and any web programming languages or any other scripting languages like PHP or Python or JavaScript, then this Angular Js training can be easily learned and is an added advantage to their career, academics and also to obtain much knowledge in the JavaScript frameworks techniques using and its relative web standards in this Angular Js training. This Angular Js certification will add many other benefits upon its completion.
- **UI Engineer or Front-end Engineer:** This Angular Js training course learners will be able to learn the number of skills from the contents

which will further enhance the career to an advanced level as a Data Analyst, AngularJS Developer, UI Developer, UI Lead, [HTML5 Developer](#), .Net Architect, Front End Developer, Software Developer, [Hadoop Developer](#) or Web Developer. This Angular Js training course can be opted with no other single thought because of its excellent job opportunities in the current market for web applications requirement. This Angular Js certification is best recommended for any UI or Front-End engineer or any freshers or job seekers.

- **Bachelor or Master of Computers in Engineering/Science:** Any Bachelor or Master in Computers Science Engineering can opt for this Angular Js training course to secure a UI Engineer or Full Stack UI Engineer job in any Web Application development or Front-end Architect roles for experienced professionals in the larger organizations.

## FAQ's- General Questions

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### **Why should I choose this Angular Js training course?**

Any UI Engineer or Angular Developer or Front-End Engineer working on the web application development and any fresh engineers who are willing to learn and master the Web Applications and UI technologies and concepts should choose this Angular Js certification training.

**I don't have a background in computer science or web development technologies or a technical engineering, can this Angular Js training still be considered a good option?**

YES, this course can still be considered as an option without the knowledge of computer concepts if the learner is keen on learning JavaScript programming. Anyone interested in learning the web applications and Angular frameworks can opt for this Angular Js training directly without any other basic course. The concepts in Angular Js training course can be easily learned without any difficulties but any knowledge in computers or web programming or UI technologies are highly advantaged.

## **Would this Angular certification add value to my profession?**

Yes. this course would add value to the learners' profile definitely including verifiable certifications, as more than 50 percent of the systems or applications in the IT industry are based on web applications.

## **Is this a quick-fix to clear interview or do I still need to practice continuously while learning this Angular Js Course?**

Yes, this is can be a quick-fix with previous knowledge or experience in computers or Angular Js or its relative UI based JS frameworks. This Angular Js training course needs a minimum of 63+ hours to complete.

### **Career Benefits**

There are several career benefits upon learning this Angular Js training course and the course curriculum which are mentioned as below:

- This Angular Js training course is a package of all the complete courses for the UI development and web technologies that provides deep knowledge in the HTML, CSS and JavaScript topics including hands-on video content for any UI or Front-End engineer.

## **5) Introduction to R - Programming**



BROWSE ▾

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# Introduction to R

4.58 ★ 1.4L+ Learners Beginner

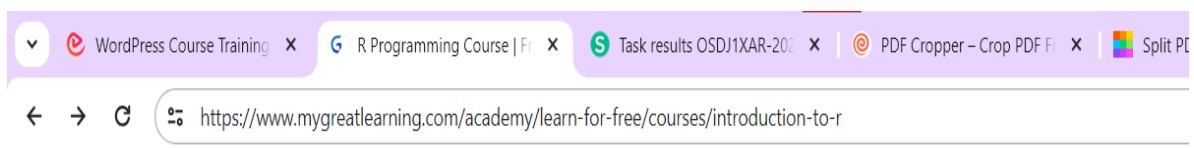
Learn the fundamentals of R programming language with Introduction to R course. Discover the power of statistical computing, data analysis, and visualization using R. Enroll today!



ENROL FREE WITH EMAIL

## What you learn in Introduction to R ?

- ✓ R Commands
- ✓ R Packages
- ✓ R Functions
- ✓ R Datatypes
- ✓ Operators in R
- ✓ RStudio



# About this Free Certificate Course

## Introduction to R

Introduction to R is a beginner-level course designed to teach the fundamentals of R programming language. R is a popular open-source programming language used for statistical computing, data analysis, and visualization. It provides a wide range of statistical and graphical techniques, making it one of the most widely used languages for data analysis and research.

R is used by a variety of industries, including finance, healthcare, marketing, and education. It is commonly used for statistical analysis, predictive modeling, and data visualization. R's popularity is due to its versatility and flexibility, making it suitable for a wide range of applications.

## Benefits of taking this course

- In this course, you will learn the basics of R programming language, including variables, data types, data structures, control structures, functions, and packages. You will also learn how to use R for data analysis and visualization, including importing data, manipulating data, creating graphics, and performing statistical analysis.
- The course is suitable for anyone who wants to learn R programming, including beginners and those with some programming experience. The course is taught by experienced instructors who deeply understand R and its applications. They will provide you with hands-on exercises and real-world examples to help you apply what you have learned.
- By taking up this course, you can learn how to use R for a variety of tasks, including data cleaning and wrangling, exploratory data analysis, statistical modeling, and predictive analytics. You can also learn how to create visualizations such as scatter plots, histograms, box plots, and heat maps.

Some real-time examples of R usage are sentiment analysis of social media data, predicting customer churn for a telecom company, predicting stock prices, and building recommendation





In conclusion, Introduction to R is valuable for anyone interested in learning R programming language. It provides a strong foundation in R programming, statistical computing, and data analysis, making it suitable for anyone interested in data analysis, research, or data science. With the skills you learn in this course, you can open up new career opportunities in data analysis and research. So, enroll in the Introduction to R course today and start your journey toward becoming a proficient R programmer.

Are you seeking more advanced data handling skills and getting valuable insights? The Great Learning's **Best Data Science Programs** are for you. Enroll in the paid programs to gain career transitioning skills and course completion certificates.

[Read Less](#)

## Course Outline

Installing R and Variables in R



Data Types in R



Operators in R



[About](#) [Course Outline](#) [Instructor](#) [FAQs](#)

Data Types in R	+
Operators in R	+
Vector in R	+
List in R	+
Matrix in R	+
Arrays in R	+
Factor and Dataframe in R	+
Inbuilt Functions and Flow Control Statements in R	+



*Dr. Singh*  
Dr. Chandrani Singh  
Director -MCA, SIOM