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At EDUCBA, it is a matter of pride to us to make job oriented hands on courses available to anyone, any time and anywhere.

Learn at a time and place, and pace that is of your choice.

Plan your study to suit your convenience and schedule.

# Ruby on Rails Course

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# EDUCBA

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

# Course Overview

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It is an amazing collection of practical and hands-on learning of the most updated training programs and projects in the area of Ruby on Rails.

You will also get verifiable certificates (unique certification number and your unique URL) when you complete each of the 8 courses. This training will help you learn about Ruby Fundamentals, Ruby on Rails, App creation using Ruby on Rails.

# Ruby on Rails Skills

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We learn the following skills:

Ruby and Rails framework and its advanced web application framework features.

Several other Ruby related applications can be integrated such as integrating different database systems to Rails framework in this Ruby on Rails course.

# Course Features

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Course Duration- 32 + Hours



Number of Courses



Verifiable Certificates



Lifetime Access



Technical Excellence

# About Ruby on Rails

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Ruby on Rails is also called as Rails is a web application development framework which is based on MVC (Model View Controller) design pattern.

It is one of the top-rated programming languages in the area of the web application framework.

To understand how the Ruby on Rails framework works and how to use the Ruby Programming Language for the applications of computer science or any web technologies-based applications, you need to gain some knowledge on Ruby and Ruby on Rails framework.

# Ruby on Rails Course

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This is a Bundle Course that includes complete in-depth Ruby on Rails Learning Courses combined into one Complete Course.

This Bundle perfectly meets the requisite of the industry and gives you a better chance of being hired as a Ruby on Rails professional.

# 1

# Ruby Fundamentals

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## Section 1. Bootstrapping your Ruby

### Literacy

- Introduction to Ruby Programming
- Ruby Literacy
- Temperature Converter
- Ruby Standard Library Sub Directory
- Loading External Files with Extension
- Ruby Tools and Application
- Required Name File and Extension

## Section 2. Objects, Methods and Local

### Variables

- Objects and Methods
- Local Variables
- Displaying Object IDs
- Respond to Method
- Method Arguments
- Order of Parameters and Arguments
- Local Variables and Assignment

## Section 3. Organizing Objects with

### Classes

- Overriding Methods
- Instance Variables and Object State
- Initializing an Object with State
- Setter Methods
- Attributes
- Attributes and Method
- Classes as Objects
- Classes as Message Receiver

# 2

## Control Flow

### Section 1. Modules and Program Organization

- Introduction Modules and Control Flow
- Modules and Program Organization
- Using Module Further
- Report Method in Module
- Method Missing
- Super Keyword
- Classes-Modules
- Nesting Classes and Modules

### Section 2. The Default Object, Scope and Visibility

- Self object and Current
- Default Object
- Self as Default Receiver
- Instance Variables Through Self
- Global Scope
- Local Scope
- Class Variable Syntax
- Class Variable Scope and Visibility
- Class Variables
- Class Hierarchy
- Private-Protected Methods

### Section 3. Control-Flow Techniques

- If Condition
- Else if Condition
- Case Statement
- Comparing with IF
- Iterator
- Code Blocks
- Times and Mytimes
- Map Mymap
- Error Handling
- Exceptions

# 3

## Ruby:03 – Fundamental Classes

### Section 1. Built-in Essentials

- Introduction to Built in Essentials
- BANG Methods
- Built in Conversion Methods
- Boolean States
- Boolean Objects
- Comparing Objects
- Inspecting Objects

### Section 2. Strings, Symbols and Other Scalar Objects

- String Notation
- HERE Documents
- Basic String Manipulation
- Quering String
- Formatting Transformation
- Content Transformation
- Symbols and Uses of Symbols
- Symbols in Practice
- Numerical Objects
- Times
- Dates

### Section 3. Collection and Container Objects

- Arrays
- Arrays Constructors
- Inserting
- Retrieving and Removing Array  
Elements
- Array Transformation
- Creating a New Hash
- Inserting,Retriving Hash Pairs
- Default Hash Values
- Hash Transformation
- Hash Quering
- Ranges
- Sets

# 4

## Ruby:04 – File I/O

### Section 1. Collections Central - Enumerable & Enumerator

- Enumerable Boolean Queries
- Enumerable Searching
- Find\_All Method
- The First Method
- Reverse Each, Each with Index
- Each Slice, Each Cons
- The Map Method
- Sorting Enumerables
- Enumerators
- Next Dimension of Enumerability
- Enumerator Semantics
- Enumerator Uses
- Enumerator Method Chaining

### Section 2. Regular Expressions and Regexp-Based String Operations

- Writing Regular Expression
- Building a Pattern
- Matching and Substring Captures
- Other Match Data Information
- Constraining Matches
- Regular Expression Anchors
- Accretions and Modifiers
- Converting Strings
- Common Methods that use Regular Expression

### Section 3. File and I/O Operations

- The IO Class
- STDOUT and STDERR
- Basics of Reading from Files and Seeking
- Querying file Position
- Writing to Files
- File Enumerability
- Querying IO and File Objects
- Directory Manipulation
- File Handling
- String IO Class

## Section 1. Object individuation

- The Singleton Class
- Defining Class Methods with Class
- Modifying Ruby Core Classes
- Modifying Ruby Core Module
- Pass-Through overrides
- Per-Object Changes with Extend
- Using Refinements and Basic Object

## Section 2. Callable and Runnable Objects

- The Proc Class
- Block-Proc Conversions
- Using Symbols
- Creating Functions with Lambda
- Methods as Objects
- The Eval Family of Methods
- Parallel Execution with Threads
- A Threaded Date Server
- Chat Server
- Threads and Variables
- Issuing System Commands
- Open and Popen3

## Section 3. Callbacks, Hooks and Runtime Introspection

- Callbacks
- Missing Method
- Intercepting Extend and Method Added
- Singleton Method Added Methods



# 6

# Ruby on Rails

## Section 1. Introduction

- Rails Introduction
- Rails Overview
- Philosophy
- Rails Convention Over Configuration
- Rails, DRY
- Rails, Opinionated
- Rails, Architecture
- Rails, Installation Part 1
- Rails, Installation Part 2
- Rails Application Directory Structure

## Section 2. Directories

- Ruby on Rails Directories
- Script, log, test, doc, lib, vendor, tmp, Rakefile, readme

## Section 3. Environment Modes on Ruby on Rails

- Introduction to Environment Modes
- Rails Environment Settings

## Section 4. Files Creations

- Rails File Generation using Generator
- Creation of Migration Files

## Section 5. Ruby on Rails Servers

- Starting the Server

## Section 6. Hello Rails

- Hello Rails Part 1
- Hello Rails Part 2

## Section 1. Introduction

- Introduction to ROR (Ruby on Rail Basics)

## Section 2. Getting Started

- Crud Operations in ROR
- Principle of ROR
- Connecting to ROR Database
- Why to Use ROR

## Section 3. Arrays in ROR

- Arrays in ROR
- Different Arrays Methods in ROR
- Example of Arrays in ROR
- Split and Reject Methods Arrays in ROR

## Section 4. Migration

- Migration Files in ROR
- Creating a Manual Migration in ROR
- Creating Migration using Command Line Interface
- Split and Join Concepts in ROR Array

## Section 5. Hash Concept

- Hash Concept in ROR

## Section 6. One to Many Relationship

- How to Create Action in ROR
- Creating One to Many Relationship in ROR
- More on One to Many Relationship in ROR
- Hash Concepts Openstruct and Array

## Section 7. Rails Query

- Rails Querys Concepts in ROR
- Creating New Rails Application
- Understanding and Running the Server
- Creating Action with Begin

## Section 8. Action

- Working with Edit and Update Action
- Ordering and Index Action

## Section 10. Show and Destroy

- Show and Destroy with Dependent Destroy



# Ruby on Rails Fundamentals

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## Section 11. Rails Fields for Forms

- Rails Fields for Forms
- Working on Form HTML
- Examples and Validations
- Creating Table in Migration File
- Distributors for One Purchase
- Rails Model Instance Methods
- Scope and Class Model Method
- HTTP Verbs and Basic Responses

## Section 12. Client Side Validations

- Validate Form through JQuery
- How to Create Links
- Creating Materials
- Benefits of Rail Callbacks
- Basic Setup for Mails
- Sending Mails in Ruby
- Sending Optional Parameters
- Sending Dynamic Values

## Section 13. Messages

- Uses of Flash Messages
- Attributes for Database Validation
- Purpose of Transaction
- Implementing Has and Many
- Distributors and Categories

# 8

## App creation through Ruby on Rails

### Section 1. Installation

- Creating Applications with Ruby on Rails
- Installation of Rails Environment

### Section 2. Creating Project in Rails

- Gem for Ruby Application
- Analyzing the Development Environment

### Section 3. Demonstration Application

- Creating Database with Scaffold
- Project Diaries and Terminal

### Section 4. ToDo Application

- Creating a New Application with Elis Command
- Command for ToDo Application
- Terminal for Running the Server

### Section 5. Invoices App

- Creating an Invoice App
- Categories in the Invoice App
- Linking Terminal App with Github App
- Installing Bundle in Terminal
- Locating a Particular File
- Modification in ButtonType Option
- Installing the New Bundle
- Percentage Attributes in Class
- Determining the Offset Value
- Making Changes in New File
- Input Values in Input Class
- Running Rails in Server
- Making Changes in HTML File

# 8

## App creation through Ruby on Rails

### Section 6 .Collection Application & Parameter


- Java 9 Extensive learning
- Practical Session on Java 9
- Creating a New Collection Application
- Achieving collection Parameter

### Section 7. Parts of API improvements

- Interface with Private Methods
- Defining the function character
- Process API Improvements
- Process Handling Info
- Stream API Improvements
- Running the System file statement

### Section 8. Concept of Optional class

- Creating Try with resource improvement
- InnerClass Diamond Operator
- Implementing the concept of Optional class
- Code for If Present or Else part
- Modules and Modularity features



# Frequently Asked Questions

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I don't have a background in Computers, can this Ruby on Rails Course still be considered for a good career?

The answer is still YES as, without any technical or computer background, anyone can opt for this Ruby on Rails certification Course with if they are really interested and have passion in learning new things especially technical kind of things.

Why should I do this course?

Any Software professional who is willing to pursue a career as Ruby programmer or Rails Engineer should pursue this Course in to easily master the technology contents of Ruby on Rails easily within a shorter period of time.

Is this a quick-fix or do I need to practice continuously while learning this Ruby on Rails certification?

This is not at all a quick fix to complete in minutes or few hours as the Ruby on Rails Course contents itself has more than 30 hours, you always need to practice the Ruby on Rails concepts and its' features daily to master the course.



# Customer Reviews

“

Very good, very interesting, very useful. I didn't know anything about this Ruby on Rails before watching the lectures provided by you. Thank you providing these kind of opportunities to the students and professionals.

Someshwar G

”

This is the best-recommended course in the area of Rails app development or Ruby programmer for Ruby on Rails certification course or Ruby on Rails Training I have finished my learning. As a Rails Engineer and Ruby Programmer, I completed many courses before in other object-oriented programming languages, but this is the best one I have ever completed from all of my finished courses till now because of its' contents and clear explanatory lessons in its' course curriculum.

Sushen

“

This is a detailed course that contains theoretical and practical programming lessons that is more exciting to invest our time with no second thought and is highly recommended for a fresh learner as well.

Jeffrey Robinson



**EDUCBA**

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# Ruby on Rails Training

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For Queries please contact:

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