# REACT NATIVE

**COURSE CODE: MOOCCAP-A07** **DURATION: 09 Hrs.**

**Course Prerequisites:**

The Course for Beginners to Intermediate

- A pc or Smartphone is required.
- A little bit knowledge of JavaScript.
- React knowledge is required but you don't need to be an expert.
- NO Java/Android or iOS (Swift, Objective C) development experience is required.

**What you will learn?**

1. Learn how to use React Native to build real native mobile apps for IOS and Android.
2. Build native mobile apps without knowledge of java, Swift, kotlin or Objective C.
3. How navigation and libraries work with react native.

**Course Description:**

This course will enable the learners to build their own mobile apps without much hustle. This is the course for beginners to intermediate which enables to build real native mobile apps for both the platforms iOS and android. Learn to target the dual platforms with one code base.

**COURSE DETAILS**

**Module 1: (Introduction)**

**Topic 1: (Introduction of react native)**

Lecture 1.1: (What is React Native?)
Lecture 1.2: (Why React Native is so popular?)
Lecture 1.3: (Pros and Cons of React Native)

**Topic 2: (Integrated Development Environment IDE (Code Editor))**

Lecture 1.1: (First install Mac Users)
Lecture 1.2: (First install Window users)

**Module 2: (Setting Up Environment)**

**Topic 1: (Integrated development Environment IDE (Code Editor))**

Lecture 1.1: (First install windows)
Lecture 1.2: (First install Mac users)

**Topic 2: (Introduction of Expo)**

Lecture 1.1: (Expo or not expo)

**Topic 3: (Installation)**

Lecture 1.1: (Install XCODE)
Lecture 1.2: (Installing android studio for mac and windows)

**Topic 4: (Variables)**

Lecture 1.1: (Mac-Environment Variables)
Lecture 1.2: (Window-Environment Variables)

**Topic 5: (Expo Quick Fix for Windows)**

Lecture 1.1: (installation of visual studio code)

Lecture 1.2: (installation of expo cli)

**Module 3: (Running App and Simulators)**

**Topic 1: (Running app an expo)**

Lecture 1.1: (Running an expo app)

Lecture 1.2: (Running app without expo)

**Topic 2: (Running Simulators Android and iOS)**

Lecture 1.1: (Running the android simulator)

Lecture 1.2: (Running app on web)

**Module 4: (RN Basics)**

**Topic 1: (About React Native and its Core Components)**

Lecture 1.1: (Views, Text, Style and Stylesheet)

Lecture 1.2: (State and Components)

Lecture 1.3: (Text Inputs)

Lecture 1.4: (Touch Events)

Lecture 1.5: (Buttons)

Lecture 1.6: (The Scroll view)

**Module 5: (Navigation)**

**Topic 1: (How navigation work with react native)**

Lecture 1.1: (Installing Navigation)

Lecture 1.2: (Stack Navigation)

Lecture 1.3: (Working with params)

Lecture 1.4: (Navigation bars)

Lecture 1.5: (Navigation buttons)

**Module 6: (Libraries)**

**Topic 1: (How libraries work with react native)**

Lecture 1.1: (Image Picker Installing)

Lecture 1.2: (Use of Image Picker)

Lecture 1.3: (The Contracts Library installing)

Lecture 1.4: (Use of contracts Library)

Lecture 1.5: (Installing React Native Elements)

Lecture 1.6: (Using React Native Elements)

**Module 7: (More about React Native)**

**Topic 1: (React Native)**

Lecture 1.1: (Debugging)

Lecture 1.2: (Reusable Components)

Lecture 1.3: (The Platform)

Lecture 1.4: (Animations)

Lecture 1.5: (Interpolation)

Lecture 1.6: (Parallel and Sequence Animations)

**Module 8: (Practice Project)**

**Topic 1: (Who lose the game?)**

Lecture 1.1: (Installation and Context)
Lecture 1.2: (Creating the input and validation)
Lecture 1.3: (Creating the list)
Lecture 1.4: (Starting the stage 2 and Toasts)
Lecture 1.5: (Creating the Stage 2)
Lecture 1.6: (Installing Fonts and Finishing Apps)