# Section1–ReactIntroduction

* React Introduction and Setup
* React Project Structure
* Import and Export Module
* Component Introduction(Class and Function)
* Class Component and render()
* JSX Introduction
* Binding Data (Number,String,Object and Array)into JSX

\*1.Create Class Component and design UI with render() function.

\*2.Create Multiple Component and Showing in App Component.

\*3.Show variables in JSX.

\*4.Show Object and Array inJSX.

#1.Show Array of Objects in JSX

#2.Create Multiple Component and Show into another.

# Section2–Component StateandBinding

* State Introduction
* Data Binding Component
* Event Bindingin Component
* setState() function
* refin Component
* Styling in Components
* Attach Bootstrap in Project
* Form and on Submit() Event

\*1.Create numeric state and change its value on button click event.

\*2.Increment and Decrement Numeric State Value

\*3.Create Dynamic Friend List with add and delete operation .All friends name show in unordered list.When user click on any list item show name in alert box;

\*4.Student Management Record Program with Full CRUD Operations .roll number,name, email,city,branch,physics,chemistry,maths

Note:

1.Email and roll Number not duplicate

2. Roll Number, name, Email,branch ,physics ,chemistry , maths are

mandatory

#1. Student Marksheet Generate Program

#2. Basic Calculator

#3.Create a slider with 10images in javascript with next and previous button.

#4. Create a Stopwatch.

# Section3–Props and Context

* Props Introduction
* Parent and Child Communication
* Props Drilling
* Context in Class Component

**\***1.Send Data from Parent Component to Child Component.

\*2.Send Data from Child Component to Parent Component.

\*3.Studen tManagement Project with Props.

\*4.Props Drilling Problem solve with Context.

#1.Change the Parent Component State from Child Component.

#2.Send Data between Sibling Components.

#3.Manage Multiple Students Exam Details with Props (individual exam data is a seperate component) :

Exam Details :RollNumber ,Name ,Branch , Physics, Chemistry, Maths

Operations : 1. Add Exam Details

* 1. DeleteExam
  2. FilterExamRecordsViaBranch,

Name andRollNumber

#4.ShareAppComponentDatabetweenChildViaContext.

# Section4.RoutingandTemplateIntegration

* React Routing
* Browser Router,Routes,Route,andLinkComponent
* Template Integration
* Public and Private Routing

\*1.Create Multiple Component and route all components via Menu Bar.

\*2.Template Integrate via download from google.

#IntegratetheseTemplates:

1. [https://www](http://www.free-css.com/free-css-templates/page287/onix-digital).fr[ee-css.com/free-css-templates/page287/onix-digital](http://www.free-css.com/free-css-templates/page287/onix-digital)
2. [https://www](http://www.free-css.com/free-css-templates/page287/dicet-tv).fr[ee-css.com/free-css-templates/page287/dicet-tv](http://www.free-css.com/free-css-templates/page287/dicet-tv)
3. [https://www](http://www.free-css.com/free-css-templates/page284/pet-shop).fr[ee-css.com/free-css-templates/page284/pet-shop](http://www.free-css.com/free-css-templates/page284/pet-shop)
4. [https://www](http://www.free-css.com/free-css-templates/page283/medinova).fr[ee-css.com/free-css-templates/page283/medinova](http://www.free-css.com/free-css-templates/page283/medinova)

# Section5.FunctionComponentand Hooks

* + FunctionComponentandRendering
  + HooksIntroduction
  + useState(),useEffect(),useRef(),useParam(),useContext()
  + StateandProps

\*1. Create all Previous Programs via Function Component.

#1.CreatePhotoGallerywithaddanddeleteimagesviaFunctionComponent.#2.Create To-Do List Program.

# Section6.WebCommunication

* + CallRestApisviaFetchandAxiosModule.
  + GET,POST,PUTandDELETEMethod
  + FileUploading via FormData
  + UseEmallApiforPractice
  + CreateEmallAdminProjectwithClassComponent

\*1.CallCategoryList(GET)Apiandshowdataintable.

\*2. Call Category Save (POST) Api and show the result.#1.UsethisApi:https://dummyjson.com/users

1. Show Data in Table in sorted order via age by default
2. ManuallychangetheSortingvia

gender,bloodgroup,weight,firstname#2.UsethisApi:https://dummyjson.com/products

ShowResponseDatainUIviaChildComponent

# Section7.Redux

* + ReduxIntroduction
  + Action,ReducerandStore
  + DispatcherandSubscriber
  + ManagerdatawithReduxStore

\*1.CreateProjectwhichmanagedatabetweenmultiplecomponentsusingRedux.

\*2.ShoppingCartManageApp

#1. Create Online Exam Portal with maximum 20 Single Choice questions. After completethe exam result also show on screen. Maximum time for attempting one question is only 3seconds.

# Section8.EmallProject

* + ImplementEmallApiandcreateuserpanelwithRegisteration,Login,Cartand Purchase functionality.
  + JWTTokenIntroductionandImplementation.

\*APIS:<http://apps.skilledfresher.in/emall/apis/apis.txt>

#ProjectApi: <http://apps.skilledfresher.in/chatbuddy/apis/apis.txt>