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| 2017-FPTU-L-01 | **KẾ HOẠCH TRIỂN KHAI HỌC PHẦN**  PLAN OF COURSE IMPLEMENTATION |

DANANG CAMPUS

**Tên học phần/***Course name: FER202 – Phát triển web Front-Ent với React / Front-End web development with React*  
Course name

1. **Thời gian triển khai: Học kỳ: Fall 2025 từ 08/09/2025 đến 16/11/2025**

*Duration: FA from 08/09/2025 to 16/11/2025*

1. **Số lớp triển khai/***Number of classes : 02*
2. **Đề cương triển khai:** <nêu tên, link syllabus triển khai trên LMS>

*Implement in accordance with Syllabus: <name of syllabus and link to LMS>*

1. **Danh sách Giảng viên triển khai học phần/** *List of Classes and Lecturers:*

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| STT  *No.* | Tên giảng viên  *Lecturer* | STT  *No.* | Tên giảng viên  *Lecturer* |
| 1 | SE19B08- Lê Thị Bích Tra | 4 |  |
| 2 | SE18D07- Lê Thị Bích Tra | 5 |  |
| 3 |  | 6 |  |

1. **Danh sách giảng viên hỗ trợ, trợ giảng, khách mời (nếu có),**

*Supporting Lecturers, assistants, guest speakers (if any)*

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| STT  No. | Họ và tên  Full name | Vai trò  Role | Nội dung  Content | Thời lượng  Duration | Thời gian  Time | Số lớp  No of Class | Kinh phí  Budget |
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1. **Các hoạt động phát sinh:***Addtional Activities:*

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| STT  No. | Họ và tên  Full name | Mục tiêu  Target | | Thời lượng  Duration | Thời gian  Time | Số lớp  No of Class | Kinh phí  Budget |
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1. **Tài liệu tham khảo bổ sung/***AdditionalReferences:*

* [**https://getbootstrap.com/docs/5.3/getting-started/introduction/**](https://getbootstrap.com/docs/5.3/getting-started/introduction/)
* [**https://react.dev/learn**](https://react.dev/learn)
* [**https://react.dev/learn/creating-a-react-app#nextjs**](https://react.dev/learn/creating-a-react-app#nextjs)

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1. **Môi trường, công cụ triển khai bổ sung/** *Update Environments and Tools (if any):*
2. Thực hiện giảng dạy hoặc sử dụng trên những website nào:

*Websites for Teaching or Using:*

1. Yêu cầu về công cụ, kỹ thuật đặc thù gì *(cái gì, ở đâu, như thế nào…)*

*Specific Tools and technical required(What? Where? How?, etc.)*

Visual studio Code

Github

1. Kênh trao đổi thông tin giữa thầy và trò *(kể cả việc nộp bài, cho điểm, nhận xét…)*

*Communication channels among lecturers and students (including submitting assignments, marking, and giving comment)*

* Hệ thống Edunext: tài liệu, trả lời câu hỏi, nộp bài,…
* Hệ thống kiểm tra exam.fpt.edu.vn: làm bài kiểm tra progress test,…

***10. Lịch triển khai môn học***

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| *Slot* | *Week* | *Chapter -Topic -Content* | *Assessment* | *Assignment Homework* | *Note* |
| *1* | *Week 1* | Introduction to the Course  Introduction AI integration in teaching and learning, as well as assessment  1.1 Full Stack Web Development: The Big Picture  1.2 React 19 Introduction |  |  |  |
| *2* | 1.3 Git  - Setting up Git  - Basic Git Commands  - Setting up an Online Git repository  1.4 Node.js and npm  - Setting up Node.js and npm  - Basics of Node.js and npm |  |  |  |
| *3* | *Week 2* | Rendering with JSX + ES 6  2.1 ES6 |  |  |  |
| *4* | *2.2 ES6 (cont'd)*  *- Using AI to generate ES6 code snippets* |  |  |  |
| *5* | *Week 3* | 3.1 Rendering HTML  3.2 Creating your own JSX elements |  |  |  |
| *6* | 3.3 Using JavaScript expressions |  |  |  |
| *7* | *Week 4* | 3.4 Building fragments of JSX  LAB 1: Install React + JSX Basics |  | *Lab1* |  |
| *8* | *Review Lab1* |  |  |  |
| *9* | *Week 5* | Bootstrap and React-bootstrap  4.1 Bootstrap & React-Bootstrap Introduction  - Set up a project with Bootstrap & React-Bootstrap  - Configure a web project to use Bootstrap and React-Bootstrap |  |  |  |
| *10* | 4.2 Bootstrap Grid System 4.3 Bootstrap and React-Bootstrap CSS Components - Navigation and Navigation Bar - Icon and Fonts - User Input: Buttons and Forms - Tabular data (Table)  5.1 Bootstrap JavaScript Components  - Tabs, Pills and Tabbed Navigation  5.2 Hide and Seek: Collapse and Accordion  Lab 2 Assistant  5.3 Compare between Bootstrap and React-Bootstrap |  | *Lab2* |  |
| *11* | *Week 6* | Review Lab2  React Component 6.1 What's react component? How to build it? 6.2 Component Properties |  |  |  |
| *12* | 6.3 Component State - Setting initial component state - Creating component state - Merging component state  Event Handling 7.1 Declaring event handlers - Binding handlers to elements - Using synthetic event objects - Understanding event pooling  7.2 Using event handler context and parameters - Declaring inline event handlers LAB 3: Class vs Functional Components |  | *Lab 3* |  |
| *13* | *Week 7* | Review Lab 3  8.1 Passing property values  8.2 Stateless Components  Container components 8.3 Providing and consuming context  8.4 Render props 8.5 Refactoring class components using hooks  Getting Started with Hooks  9.1 Maintaining state using Hooks  9.2 Performing initialization and cleanup actions |  |  |  |
| *14* | 9.3 Sharing Data with Context Hooks  9.4 Using Reducer Hooks for State Management  LAB 4: Hooks & Events  Progress Test 1 |  | Lab 4 |  |
| *15* | *Week 8* | Review lab 4  Handling Navigation with Routes  10.1 Declaring routes  - Decoupling route declaration  10.2 Handling route parameters  - Resource IDs in routes  - Optional parameters  10.3 Using link components - Basic linking - URL and query parameters |  |  |  |
| *16* | Code Splitting Using Lazy Components and Suspense 11.1 Using Lazy API 11.2 Using the Suspense component -Simulating latency  11.3 Avoiding lazy components 11.4 Exploring lazy pages and routes  Client - Server Communication 12.1 Set up a simple server that makes data available for clients LAB 5: Routes & Lazy Loading |  | Lab 5 |  |
| *17* | *Week 9* | 12.2 Access the data from the server using a browser  12.3 Use the json-server as a simple static web server  Fetching and Catching Data with React 13.1 When to fetch and store data in React. How to use window.fetch.  13.2 What promises are. How async/await works.  13.3 Getting Data with Axios How to simplify network requests with Axios. LAB 6: Fetching Data |  | *Lab 6* |  |
| *18* | Flow Architecture and Introduction to Redux  14.1 Explain the Redux approach to implementing a variant of the Flow architecture. |  |  |  |
| *19* | *Week 10* | 14.2 Install and Configure Redux.  14.3 Define Redux Toolkit |  | Progress Test 2 |  |
| *20* | Redux architecture 15.1 Split the reducer function into multiple simpler functions and combine the reducer functions 15.2 Use Redux Thunk middleware to return a function instead of an action  Review |  | Assignment |  |

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| Người phê duyệt/*Approver*  *GĐCS/Campus’s Director* | Người kiểm tra/*Reviewer*  *TBĐT/Head of Academic Affairs Board)* | Người lập/*Creator*  *CNBM/Head of department* |
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| Họ tên/*Name:*  Ngày/*Date:* | Họ tên/*Name:*  Ngày/*Date:* | Họ tên/*Name: Lê Thị Bích Tra*  Ngày/*Date: 05/09/2025* |