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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:* ***Front-End web development with React*  
*FER202***

1. **Thời gian triển khai: Học kỳ: Fall 2024 từ** **04/09/2024 đến 18/11/2024**

*Duration: Semester ………from………to……*

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 | HoaiNTT40 | 4 |  |
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| 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/***Additional References:*
2. **Môi trường, công cụ triển khai bổ sung/** *Update Environments and Tools (if any):*
3. 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.)*

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)*

*Edunext, LMS, Zalo, Email*

***10. Lịch triển khai môn học***

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| *Slot* | *Week* | *Chapter -Topic -Content* | *Assessment* | *Assignment Homework* | *Note* |
| *1* | *04/09/2024* | "Course Introduction  1.1 Full Stack Web Development: The Big Picture  1.2 React 18 Introduction"  "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" |  |  |  |
| *2* | 2.1 ES6  2.2 ES6 (cont'd)  2.3 ES6 (cont'd) |  |  |  |
| *3* | *09/09/2024* | "Rendering with JSX + ES 6  "3.1 Rendering HTML  3.2 Creating your own JSX elements"  3.3 Using JavaScript expressions  3.4 Building fragments of JSX  LAB 1 |  |  |  |
| *4* | "Bootstrap  4.1 Bootstrap Introduction  - Set up a project with Bootstrap  - Configure a web project to use Bootstrap"  4.2 Bootstrap Grid System  "4.3 Bootstrap CSS Components  - Navigation and Navigation Bar  - Icon and Fonts  - User Input: Buttons and Forms  - Tabular data (Table)" |  |  |  |
| *5* | *16/09/2024* | "5.1 Bootstrap JavaScript Components  - Tabs, Pills and Tabbed Navigation"  5.2 Hide and Seek: Collapse and Accordion  LAB 2 |  |  |  |
| *6* | "React Component  6.1 What's react component? How to build it?  6.2 Component Properties "  "6.3 Component State |  |  |  |
| *7* | *23/09/2024* | - Setting initial component state"  "- Creating component state  - Merging component state"  "React-bootstrap  7.1 Introduction React-bootstrap"  7.2 React-Bootstrap Grid System  7.3 React-Bootstrap Components |  |  |  |
| *8* | 8.1 Passing property values  8.2 Stateless components  "Container components  8.3 Providing and consuming contex"  LAB 3 |  |  |  |
| *9* | *30/09/2024* | "Getting Started with Hooks  9.1 Maintaining state using Hooks"  9.2 Performing initialization and cleanup actions  9.2 Performing initialization and cleanup actions (td) |  |  |  |
| *10* | 10.1 Sharing data using context Hooks  "10.2 Using reducer Hooks to scale  state management"  "LAB 4  Progress Test - 01 |  |  |  |
| *11* | *07/10/2024* | "Event Handling  11.1 Declaring event handlers  - Binding handlers to elements"  "- Using synthetic event objects  - Understanding event pooling"  "11.2 Using event handler context and parameters |  |  |  |
| *12* | - Declaring inline event handlers"  "Crafting Reusable Components  12.1 Technical requirements  12.2 Reusable HTML elements"  "12.3 Render props  12.4 Refactoring class components using hooks"  12.5 Rendering component trees |  |  |  |
| *13* | *14/10/2024* | "Validating Component Properties  13.1 What are PropTypes? How to use PropTypes"  "13.2 Knowing what to expect  13.3 Simple property validators "  "13.4 Type and value validators  13.5 Writing custom property validators" |  |  |  |
| *14* | "Handling Navigation with Routes  14.1 Declaring routes  - Decoupling route declaration"  "14.2 Handling route parameters  - Resource IDs in routes  - Optional parameters"  "14.3 Using link components  - Basic linking  - URL and query parameters"  LAB 5 |  |  |  |
| *15* | *21/10/2024* | "Code Splitting Using Lazy Components and Suspense  15.1 Using Lazy API  15.2 Using the Suspense component  -Simulating latency"  15.3 Avoiding lazy components  15.4 Exploring lazy pages and routes |  |  |  |
| *16* | "Flow Architecture and Intrduction to Redux  16.1 Explain the Redux approach to implementing a variant of the Flow architecture."  16.2 Install and Configure Redux.  16.3 Define Redux Toolkit |  |  |  |
| *17* | *28/10/2024* | "Redux architecture  17.1 Split the reducer function into multiple simpler functions and combine the reducer functions  17.2 Use Redux Thunk middleware to return a function instead of an action"  17.3 Use a logger middleware to print a log of actions initiated on the Redux store  LAB 6 |  |  |  |
| *18* | "Client - Server Communication  18.1 Set up a simple server that makes data available for clients"  18.2 Access the data from the server using a browser  18.3 Use the json-server as a simple static web server  " Fetching and Catching Data with React |  |  |  |
| *19* | *04/11/2024* | 19.1 When to fetch and store data in React.  How to use window.fetch."  "19.2 What promises are.  How async/await works."  "19.3 Getting Data with Axios  How to simplify network requests with Axios."  "Introduction of Front-End Web UI Frameworks NextJsS and Tailwind CSS |  |  |  |
| *20* | 20.1 NextJS"  20.2 Introduct to Tailwind CSS  "Progress Test - 2  Assignment Evaluation" |  |  |  |

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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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