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| **2-MONTH INTERNSHIP**  **Milestone proposal**  ***Trọng điểm của thực tập 2 tháng*** |

# Objectives / *Mục tiêu:*

Each PN student does a 2-month full time internship with one company to achieve the following objectives:

*Khi thực tập 2 tháng toàn thời gian tại công ty, sinh viên PN sẽ cần phải thực hiện những mục tiêu sau đây:*

* Get to know professional IT working environment

*Tìm hiểu và trải nghiệm môi trường làm việc thực tế trong ngành IT;*

* Apply 4 semesters of IT training into an IT project;

*Áp dụng kiến thức IT được đào tạo trong 4 học kỳ tại PN vào dự án IT;*

* Apply 4 semesters of Soft Skills training within the company;

*Áp dụng kỹ năng mềm được đào tạo trong 4 học kỳ tại PN trong quá trình thực tập tại công ty;*

* Apply English skills in every deliverable submitted (draft, report and presentation);

*Áp dụng kỹ năng tiếng Anh theo yêu cầu tại công ty (soạn thảo, báo cáo và thuyết trình);*

* Apply searching and researching skills for a new or more advanced topic.

*Áp dụng kỹ năng tìm kiếm và nghiên cứu cho những chủ đề mới hoặc nâng cao.*

# TEMPLATE FOR INTERNSHIP TRAINING PLAN/*MẪU KẾ HOẠCH ĐÀO TẠO*

Internship Plan is proposed by the company and validated by the PNV training department

*Kế hoạch đào tạo do Công ty thực tập xây dựng và được xác nhận bởi Phòng Đào tạo của PNV*

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| **Company name:** SapotaCorp  **Supervisor: Phạm Văn Hiếu**  **Department / division: Technical Department** | **Trainee:**  Phan Thanh Vương  Nguyễn Văn Nhật  Bùi Xuân Hoàn  Hồ Xuân Tý  Phan Trần Thị Anh Thư  Hồ Thị Thu Trân  Lê Trương Thành Luân  **Date:** 10/07-01/09/2023  **Training duration:** 8 weeks |  |

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| **PRIMARY DESCRIPTION** | **EXPECTATION/OUTCOME** | **LEVEL** | **SUPERVISOR** | **SCHEDULE** |
| ***HTML + CSS*** | * *Recognize typical HTML tags and CSS properties* * *Recognize how to divide a layout with Flex and Grid* * *Use and import bootstrap* * *Cut a Landing Page from Figma* | * *Intern* | **Pham Van Hieu** | **Study in 10 days**   * ***Flexbox CSS:*** [*https://www.youtube.com/watch?v=G6mL3t3QzLw&t=22s*](https://www.youtube.com/watch?v=G6mL3t3QzLw&t=22s) * ***Grid CSS:***   *https://www.youtube.com/watch?v=hJHQVpv6-Z8*   * ***Cut interface*** [*https://www.figma.store/download/vpn-free-landing-page-for-figma/*](https://www.figma.store/download/vpn-free-landing-page-for-figma/)   *https://www.figma.store/download/tour-and-travel-website-for-figma/* |
| ***Responsive*** | * *Responsive 2 landing pages cut above* | * *Intern* | **Pham Van Hieu** | **Study in 1 day**  [*https://www.freecodecamp.org/learn/responsive-web-design/#responsive-web-design-projects*](https://www.freecodecamp.org/learn/responsive-web-design/#responsive-web-design-projects) |
| ***Javascript*** | * *Learn about the fundamental javascript concepts, such as variables, data types, events, loops, and dom manipulation.* * *Use it to practice the following exercises:* [*https://niithanoi.edu.vn/du-an-javascript-cho-nguoi-moi-hoc.html*](https://niithanoi.edu.vn/du-an-javascript-cho-nguoi-moi-hoc.html) * *Or using java script to create a website* | * *Intern* | **Pham Van Hieu** | **Study in 10 days**  *https://www.freecodecamp.org/learn/javascript-algorithms-and-data-structures/* |
| ***React*** | * *Recognize the architecture and how to divide Components* * *Recognize the concepts of prop state, functional component, and class component* * *Recognizing React's component lifecycle* * *React Hooks* * *How to transfer data between components (redux)* * *React Router* * *Learn about webpack, server rendering* * *Exercise 1: Cut a website using react* * *Exercise 2:* *build TodoList App using React* | * *intern* | **Pham Van Hieu** | **Study in 20 days**   * ***React:***   [*https://www.youtube.com/watch?v=x0fSBAgBrOQ&list=PL\_-VfJajZj0UXjlKfBwFX73usByw3Ph9Q*](https://www.youtube.com/watch?v=x0fSBAgBrOQ&list=PL_-VfJajZj0UXjlKfBwFX73usByw3Ph9Q)   * ***Hook:***   [*https://www.youtube.com/watch?v=5ismRwx4ebM&list=PL\_-VfJajZj0W8-gf0g3YCCyFh-pVFMOgy*](https://www.youtube.com/watch?v=5ismRwx4ebM&list=PL_-VfJajZj0W8-gf0g3YCCyFh-pVFMOgy)   * ***Redux:***   *https://www.youtube.com/watch?v=g\_K1w8e0lLo* |
| ***Git*** | * *Learn the fundamental commands for using Git* | * *intern* | **Pham Van Hieu** | **Study in 1 day**  *https://www.youtube.com/watch?v=cC7vg8lWneo* |

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| **Company name:** SapotaCorp  **Supervisor: Phạm Công Quốc Hùng**  **Department / division: Technical Department** | **Trainee:**  **Date:** 10/07-01/09/2023  Lâm Thái Hoàng  Trần Quốc Hữu  Hồ Thị Loan  Zơ Rum Thị Phượng  A Thi  Đặng Minh Quân  **Training duration:** 8 weeks |

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| **PRIMARY DESCRIPTION** | **EXPECTATION**  **/OUTCOME** | **LEVEL** | **SUPERVISOR** | **SCHEDULE** |
| Learn Web API Development using Nodejs | - Learn about JavaScript syntax, variables, data types, conditions, loops, and functions. - Become familiar with concepts like arrays, objects, and JSON in JavaScript. - Practice writing simple JavaScript code to get familiar with the language. <https://www.youtube.com/watch?v=0SJE9dYdpps&list=PL_-VfJajZj0VgpFpEVFzS5Z-lkXtBe-x5> | From intermediate to advance | Phạm Công Quốc Hùng | Week 1 |
| Week 2        - Download and install Node.js from the official website ([https://nodejs.org](https://nodejs.org/)). - Check that Node.js and NPM versions have been successfully installed by running the node -v and npm -v commands in a command line window. <https://youtu.be/7sX_8lKURqo> | Phạm Công Quốc Hùng | Week 2 |
| * Practice and build real applications    - Learn about the Express.js framework and how it simplifies building web apps with Node.js. - Learn about routing, middleware, template engine, and other concepts in Express.js. - Build simple web applications using Express.js to apply what you’ve learned. <https://youtu.be/z2f7RHgvddc?list=PL_-VfJajZj0VatBpaXkEHK_UPHL7dW6I3>        - Learn about databases like MongoDB or MySQL and how to connect and interact with them in Node.js. - Learn an ORM (Object-Relational Mapping) like Mongoose or Sequelize to interact with the database easily and flexibly. <https://youtu.be/UxiTsvUuYFA?list=PLIGDNOJWiL1-eFfnY4bAyCI8bsIOHmNtE> | Phạm Công Quốc Hùng | Week 3-4-5-6 |
| Final Real Project | Join company’s projects |  | Phạm Công Quốc Hùng | Week 7-8 |