**KINPLUS TECHNOLOGY**

**SOFTWARE DEVELOPMENT TRAINING CURRICULUM**

**DAILY ACTIVITIES/SCHEDULES**

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| **TIME** | **ACTIVITY** |
| 8:30am – 10am | Morning review |
| 10am – 12pm | Instructor-led class |
| 12pm -1pm | Break |
| 1pm – 2pm | Algorithm and Programming |
| 2pm – 4pm | Task deliverables |

**SIX MONTHS (24 WEEKS) BREAKDOWN OF ACTIVITIES/SCHEDULES**

**General Introductory Track**

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| **WEEK** | **ACTIVITY** |
| 0 | Orientation  (Welcome to Kinplus Technologies) |
| 1 | Introduction to Agile Software Development Methodology |
| 2 | Introduction to Git and GitHub |
| 3 | Introduction to HTML and SEO |
| 4 | Introduction to CSS |
| END OF FIRST MONTH | PROJECT DELIVERABLE |
| 5 - 6 | Introduction to JavaScript and Object-Oriented Programming (SOLID Principle) |
| 7 | Introduction to APIs and Database |
| 8 | Hosting and Deployment |
| END OF SECOND MONTH | PROJECT DELIVERABLE |

**Frontend Core Track (Vue JS)**

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| **WEEK** | **ACTIVITY** |
| 9 - 10 | Introduction to Vue Js |
| 11 | Introduction to Vue router and Vuex |
| 12 | Introduction to Vuetify |
| END OF THIRD MONTH | PROJECT DELIVERABLE |
| 13 | Real world Vue |
| 14 | Single Page Application (SPA) and Search Engine Optimization (SEO) |
| 15 | Unit and end-to-end testing |
| 16 | Deep dive into Vue Js and style guide |
| END OF FOURTH MONTH | PROJECT DELIVERABLE |
| 17 | Advance Vue component |
| 18 | Authentication (Token based) |
| 19 | Introduction to Vue 3 |
| 20 | Vue 3 reactivity |
| END OF FIFTH MONTH | PROJECT DELIVERABLE |
| 21 | Project – Build a Trello clone |
| 22 | Project – Build a Gmail clone |
| 23 | Introduction to Typescript |
| 24 | Team Project (Discussion and Feedback) |
| END OF SIXTH MONTH | Project Showcase/Deployment |

**Backend Core Track (PHP)**

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| **WEEK** | **ACTIVITY** |
| 9 - 10 | Basics of PHP |
| 11-12 | OOP (Classes, Objects and JSON) |
| END OF THIRD MONTH | PROJECT DELIVERABLE |
| 13 | PHP & MYSQL Database |
| 14-15 | CRUD Operation |
| 16 | Simple Project (Register & Login System) |
| END OF FOURTH MONTH | PROJECT DELIVERABLE |
| 17 | PHP & PDO |
| 18-19 | Building API with PDO and OOP |
| 20 | Project 2 (Guest-Book App) |
| END OF FIFTH MONTH | PROJECT DELIVERABLE |
| 21-22 | LARAVEL |
| 23 | Personal Project with Laravel |
| 24 | Team Project (Discussion and Feedback) |
| END OF SIXTH MONTH | Project Showcase/Deployment |

**Backend Core Track (JavaScript Node JS)**

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| **WEEK** | **ACTIVITY** |
| 9 | Basics of Database |
| 10 | MySQL |
| 11 | PostgreSQL |
| 12 | SQLite |
| END OF THIRD MONTH | PROJECT DELIVERABLE |
| 13-14 | Fundamentals of Node JS |
| 15 | Node Js Framework (Express Js) |
| 16 | Developing APIs/GraphQL |
| END OF FOURTH MONTH | PROJECT DELIVERABLE |
| 17 | Advanced SQL |
| 18 | Advanced Node Js |
| 19 | Advanced Express Js |
| 20 | Mini Project |
| END OF FIFTH MONTH | PROJECT DELIVERABLE |
| 21-22 | Personal Project |
| 23-24 | Team Project (Discussion and Feedback) |
| END OF SIXTH MONTH | Project Showcase/Deployment |

**Backend Core Track (Python)**

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| **WEEK** | **ACTIVITY** |
| 9 | Basics of Database |
| 10 | MySQL |
| 11 | PostgreSQL |
| 12 | SQLite |
| END OF THIRD MONTH | PROJECT DELIVERABLE |
| 13-14 | Fundamentals of Python |
| 15 | Python Framework (Flask/Django) |
| 16 | Developing APIs/GraphQL |
| END OF FOURTH MONTH | PROJECT DELIVERABLE |
| 17 | SQL and Data Analysis |
| 18 | Data Science with Python |
| 19 | Building APIs with Flask/Django |
| 20 | Mini Project |
| END OF FIFTH MONTH | PROJECT DELIVERABLE |
| 21-22 | Personal Project |
| 23-24 | Team Project (Discussion and Feedback) |
| END OF SIXTH MONTH | Project Showcase/Deployment |

**Course Materials**

**Tools**

**Visual Studio Code:** [**https://code.visualstudio.com/download**](https://code.visualstudio.com/download)

**Git:** [**https://git-scm.com/downloads**](https://git-scm.com/downloads)

**Chrome Browser:** [**https://www.google.com/chrome/**](https://www.google.com/chrome/)

**Interesting Sites**

**MDN:** [**https://developer.mozilla.org/**](https://developer.mozilla.org/)

**W3schools:** [**https://www.w3schools.com/**](https://www.w3schools.com/)

**Tutorial Republic:** [**https://www.tutorialrepublic.com/**](https://www.tutorialrepublic.com/)

**OpenClassRooms:** [**https://www.tutorialrepublic.com/**](https://www.tutorialrepublic.com/)

**JavaScriptTutorial:** [**https://www.javascripttutorial.net/**](https://www.javascripttutorial.net/)

**JavaScript.info:** [**https://javascript.info/**](https://javascript.info/)

**FreeCodeCamp:** [**https://www.freecodecamp.org/**](https://www.freecodecamp.org/)

**HackerRank:** [**https://www.hackerrank.com/**](https://www.hackerrank.com/)

**Codility:** [**https://app.codility.com/programmers/lessons/**](https://app.codility.com/programmers/lessons/)

**Vue JS:** [**https://vuejs.org/**](https://vuejs.org/)

**Vue Router:** [**https://router.vuejs.org/**](https://router.vuejs.org/)

**Vuex:** [**https://vuex.vuejs.org/**](https://vuex.vuejs.org/)

**Vue CLI:** [**https://cli.vuejs.org/**](https://cli.vuejs.org/)

**Vuetify:** [**https://router.vuejs.org/**](https://router.vuejs.org/)

**PHP:** [**https://www.php.net/**](https://www.php.net/)

**Python:** [**https://www.python.org/**](https://www.python.org/)

**Python Anywhere:** [**https://www.pythonanywhere.com/**](https://www.pythonanywhere.com/)

**NodeJS:** [**https://nodejs.org/**](https://nodejs.org/)

**SQL:** [**https://www.sqlcourse.com/**](https://www.sqlcourse.com/)