**Gujarat Technological University**

(Established under Gujarat Act No. 20 of 2007)

**ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી**

(ગુજરાત અધિનિયમ ક્રમાંક ૨૦/૨૦૦૭ દ્વારા સ્થાપિત)

**Annexure 1**

**Enrollment no:** 190130107076

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| **Student’s Weekly Record of Internship** |

Name of student: Parmar Dixit

Diary of the week: From 23 – 01 – 2023 To 28 – 01 – 2023

Department: Computer Science and Engineering

Name of the Organization: LaNet Team Software Solutions Pvt Ltd

Name of the Department:

Name of office In Charge of the Department: Hitesh Pandya

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| **Description of Work Done in Brief (Week Log)** | | |
| **Week – 01: Joining, JavaScript** | | |
| **Date** | **Day** | **Description of work** |
| 23-01-2023 | Monday | Joined La Net Team Software Solutions Pvt Ltd and got some introduction, policies, etc. Configuration of Desktop given by La Net Team Software Solutions Pvt Ltd. |
| 24-01-2023 | Tuesday | Learned about JavaScript and its uses. Understood difference between client-side and server-side scripting. Setup Development Environment including browser console and code editor. |
| 25-01-2023 | Wednesday | Learned about data types including numbers strings and boolean, practiced declaring variables using var,let and const, worked with arithmetic ,string concatenation,statements including if ,else if and else,practiced using logical operator such as &&,|| and ! .Understood loops including for,while loops. |
| 26-01-2023 | Thursday | Understood the concept of functions and passing arguments to functions ,returning values from them and function scope in JavaScript. Understood and practices Arrays , how to access and modify elements , creating and working with objects and accessing object properties and methods. |
| 27-01-2023 | Friday | Learned about the DOM(Document Object Model) ,practice manipulating HTML elements ,respond to user input with event handlers, work with form and form validation with JavaScript . |
| 28-01-2023 | Saturday | I reviewed the basics of JavaScript and started learning about advanced concept such as closures. I practiced creating closure functions and understanding how ‘this’ keyword works. |

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| **Total Hours worked in Week:**  **48 Hours**    Signature of Student  **The above entries are correct and the grading of work done by Trainee is**  **EXCELLENT / VERY GOOD / GOOD / FAIR / BELOW AVERAGE / POOR**    Signature of Internal Guide Signature of External Guide  Date: Date:    **Note:** Grading of Work, for trainee may be given depending upon your judgement about his Punctuality, Regularity, Sincerity, Interest taken, Work done etc. |

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**Annexure 2**

**Enrollment no:** 190130107076

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| **Student’s Weekly Record of Internship** |

Name of student: Parmar Dixit

Diary of the week: From 30 – 01 – 2023 To 04 – 02 – 2023

Department: Computer Science and Engineering

Name of the Organization: LaNet Team Software Solutions Pvt Ltd

Name of the Department: React Native Technology

Name of office In Charge of the Department: Hitesh Pandya

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| **Description of Work Done in Brief (Week Log)** | | |
| **Week – 02: JavaScript (Continued)** | | |
| **Date** | **Day** | **Description of work** |
| 30-01-2023 | Monday | Today, I focused on object-oriented programming (OOPs) in JavaScript. I learned about object prototypes, inheritance, and the 'this' keyword. I also explored various ways to create objects in JavaScript, including object literals, constructor functions, and classes. |
| 31-01-2023 | Tuesday | I spent today exploring the concepts of asynchronous programming in JavaScript. I learned about callbacks, promises, and async/await. I also practiced working with asynchronous code by making API requests and handling responses using different techniques. |
| 01-02-2023 | Wednesday | Today, I delved deeper into JavaScript's functional programming features. I learned about higher-order functions, currying, and function composition. I also practiced using these techniques to create more flexible and reusable code. |
| 02-02-2023 | Thursday | I spent today learning about some of the more advanced features of JavaScript, such as generators, iterators, and symbols. I practiced using these features to create more expressive and powerful code. |
| 03-02-2023 | Friday | I focused on debugging and optimizing JavaScript code. I learned about tools and techniques for profiling and diagnosing performance issues, as well as best practices for writing efficient and maintainable code. |
| 04-02-2023 | Saturday | Toady I started making Mapty project which include running and cycling activity that show in map and learn new things related to project using Leaflet Library. |

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**Annexure 3**

**Enrollment no:** 190130107076

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| **Student’s Weekly Record of Internship** |

Name of student: Parmar Dixit

Diary of the week: From 06 – 02 – 2023 To 11 – 02 – 2023

Department: Computer Science and Engineering

Name of the Organization: LaNet Team Software Solutions Pvt Ltd

Name of the Department: React Native Technology

Name of office In Charge of the Department: Hitesh Pandya

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| **Description of Work Done in Brief (Week Log)** | | |
| **Week – 03: Git & GitHub** | | |
| **Date** | **Day** | **Description of work** |
| 06-02-2023 | Monday | Leave for Holi Festival. |
| 07-02-2023 | Tuesday | Leave for Holi Festival. |
| 08-02-2023 | Wednesday | Holiday. |
| 09-02-2023 | Thursday | Leave for Holi Festival. |
| 10-02-2023 | Friday | Today, I learned about the basics or Git, including its history and features. I discovered that Git was created by Linus Torvalds in 2005 and is open-source version control system. I also learned how to create a repository, add files, commit changes, and push those changes to a remote repository. |
| 11-02-2023 | Saturday | Today, I explored Git's branching and merging capabilities. I learned how to create separate branches to work on different versions of the code and how to merge changes from different branches into a single codebase. I also learned about pull requests, which are used to review and merge changes from one branch to another. |

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| **Total Hours worked in Week:**  **48 Hours**    Signature of Student  **The above entries are correct and the grading of work done by Trainee is**  **EXCELLENT / VERY GOOD / GOOD / FAIR / BELOW AVERAGE / POOR**    Signature of Internal Guide Signature of External Guide  Date: Date:    **Note:** Grading of Work, for trainee may be given depending upon your judgement about his Punctuality, Regularity, Sincerity, Interest taken, Work done etc. |

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**Annexure 4**

**Enrollment no:** 190130107076

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| **Student’s Weekly Record of Internship** |

Name of student: Parmar Dixit

Diary of the week: From 13 – 02 – 2023 To 18 – 02 – 2023

Department: Computer Science and Engineering

Name of the Organization: LaNet Team Software Solutions Pvt Ltd

Name of the Department: React Native Technology

Name of office In Charge of the Department: Hitesh Pandya

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| **Description of Work Done in Brief (Week Log)** | | |
| **Week – 04: Git & GitHub (Continued)** | | |
| **Date** | **Day** | **Description of work** |
| 13-02-2023 | Monday | Today , I dived into Git's more advanced features. I learned about rebase, which allows developers to reapply changes from one branch onto another. I also learned about Git tags, which are used to mark specific points in a repository's history, and how to use Git sub modules to include external repositories in a project. |
| 14-02-2023 | Tuesday | Today, I focused on Gil's collaboration features. I learned how to collaborate with other developers on a project using Git. I discovered how to clone a repository, push and pull changes from a remote repository, and collaborate using pull requests. |
| 15-02-2023 | Wednesday | Today, I started my report on GitHub, which is a web based platform that provides hosting for Git repositories. I learned that GitHub was founded in 2008 and quickly became a popular tool for software development teams to collaborate and share code. I also learned how to create a GitHub account, create a repository, and push code changes from a local machine to a remote repository on GitHub. |
| 16-02-2023 | Thursday | Today I learned how to collaborate with other developers on a project using GitHub by forking a repository, making changes, and submitting a pull request for review. I also learned how to use GitHub's issue tracker to track bugs and feature requests, and how to use GitHub Pages to host static websites. Additionally, I explored GitHub's social features, such as following other developers and contributing to open-source projects. |
| 17-02-2023 | Friday | Today I continued my GitHub learning. I learned advanced git commands did some practical use of GitHub's GUI. Learned what are the gin issues and how to solve them in GitHub. I learned about stashing in GitHub , by which I can store a current stage of our git repository , which can be applied later when required. |
| 18-02-2023 | Saturday | Today i get used to GitHub repositories , i came to know about the use of differences. I learnt about how to update pull request and then how to accept that. After that I came to know how to sync our changes back to local. |

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**Annexure 5**

**Enrollment no:** 190130107076

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| **Student’s Weekly Record of Internship** |

Name of student: Parmar Dixit

Diary of the week: From 20 – 02 – 2023 To 25 – 02 – 2023

Department: Computer Science and Engineering

Name of the Organization: LaNet Team Software Solutions Pvt Ltd

Name of the Department:

Name of office In Charge of the Department: Hitesh Pandya

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| **Description of Work Done in Brief (Week Log)** | | |
| **Week – 05: Git & GitHub (Completed), NodeJs** | | |
| **Date** | **Day** | **Description of work** |
| 20-02-2023 | Monday | I learnt about GitHub graphs and how to do the graphical view of our branches in our local side also. How does graph hep us to view and analyze data for our repository and haw to give us information on traffic. |
| 21-02-2023 | Tuesday | Today I completed git and GitHub. I learnt about the GitHub organizations, which allow us to get and open source collaboration about different project at once , with sophisticated security. By this I concluded our GitHub Course and after that I did some Git commands practice. |
| 22-02-2023 | Wednesday | Today I gave Git & GitHub test which included performing some Git operations and then pushing them to GitHub. |
| 23-02-2023 | Thursday | Today I started NodeJS and learnt what is NodeJS and where it is used . Why node is called a JS runtime and how I can use it on across platform and running platform JavaScript outside the client's side browser**.** |
| 24-02-2023 | Friday | Today I installed Node . I saw how to use Node REPL and how to setup our Developer environment. I then created our first Node App . I saw difference between back-end vs Front-end and what are Global Objects. |
| 25-02-2023 | Saturday | I today deep dived into Node internals. I learnt difference between Synchronous vs Asynchronous and what are Asynchronous callbacks. I learn what are Non Blocking Input and Output. Multi-Threading , processes and Threads. |

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**Annexure 6**

**Enrollment no:** 190130107076

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| **Student’s Weekly Record of Internship** |

Name of student: Parmar Dixit

Diary of the week: From 27 – 02 – 2023 To 04 – 02 – 2023

Department: Computer Science and Engineering

Name of the Organization: LaNet Team Software Solutions Pvt Ltd

Name of the Department: React Native Technology

Name of office In Charge of the Department: Hitesh Pandya

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| **Description of Work Done in Brief (Week Log)** | | |
| **Week – 06: NodeJS (Continued)** | | |
| **Date** | **Day** | **Description of work** |
| 27-02-2023 | Monday | Today I learned about web server, HTTP request and response, created own web server, HTTP API and Routing, parameterized URLs, same origin Policy, CORS(Cross Origin Resource Sharing) and cors package. |
| 28-02-2023 | Tuesday | Today I created one simple API, postman and Insomnia(API testing tool), development Dependencies, send HTML & JSON data as a response, middleware, writing own logging middleware. |
| 01-03-2023 | Wednesday | Today I implemented Express Routers, RESTful APIs, Sending files, Serving Website with node, Templating Engines, Layouts and separation Concerns, Add 404 error page in Dynamic Website, Adding Responsive Styles. |
| 02-03-2023 | Thursday | Today I started working on new project named NASA and implemented NASA dashboard and front End setup, NASA Dashboard functionality, GET Planets, Serving React.js Front End in production, Logging Request With Morgan. |
| 03-03-2023 | Friday | Today I performed Launches Model Functionality by implementing Get Launches, Serving Application With Client Side Routing, Working with Data Models Building a Data Access Layer, POST launching, POST launching validation for POST Request, Connecting POST launches with Front End Dashboard. |
| 04-03-2023 | Saturday | Today I continued Launches Model Functionality by implementing Delete Launches, Aborting Launches, Updating Architecture Diagram, Testing in Node, Testing API with jest, Testing API endpoints with supertest(npm package) for Error Cases. |

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**Annexure 7**

**Enrollment no:** 190130107076

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| **Student’s Weekly Record of Internship** |

Name of student: Parmar Dixit

Diary of the week: From 06 – 03 – 2023 To 11 – 03 – 2023

Department: Computer Science and Engineering

Name of the Organization: LaNet Team Software Solutions Pvt Ltd

Name of the Department:

Name of office In Charge of the Department: Hitesh Pandya

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| **Description of Work Done in Brief (Week Log)** | | |
| **Week – 07: NodeJs (Continued)** | | |
| **Date** | **Day** | **Description of work** |
| 06-03-2023 | Monday | Today I improved NASA project architecture and improved Node server performance, Building Simple Blocking Server, Blocking Function, and Running Multiple Node Processes. |
| 07-03-2023 | Tuesday | Today I worked on Node Cluster Module through which I gained knowledge about Clustering in Action, Maximizing Clustering Performance, Load Balancing, PM2 tool. |
| 08-03-2023 | Wednesday | Today I started learning Databases and gained knowledge about types of Databases and Comparing SQL vs noSQL, MongoDB Atlas, Mongoose Implementation, Creating LaunchSchema and PlanetSchema. |
| 09-03-2023 | Thursday | Today I Created Models from Schemas and Understood Upsert Operation, Adding, Aborting and Fetching all Launches in NASA Projects using MongoDB, and Updating Tests for Mongoose. |
| 10-03-2023 | Friday | Today I started Working with REST APIs, SpaceX(API), Versioning Node API, Updating Tests of API, Exploring SpaceX Launches API, Running Search Queries, and Loading SpaceX Data to My Database. |
| 11-03-2023 | Saturday | Today I implemented Paginated functionality in NASA project and Minimizing API load, Persisting SpaceX launches, Paginating Endpoints,Sorting Paginated Data, Managing Secrets with Dotenv and Securing leaked data. |

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**Annexure 8**

**Enrollment no:** 190130107076

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| **Student’s Weekly Record of Internship** |

Name of student: Parmar Dixit

Diary of the week: From 13 – 03 – 2023 To 18 – 03 – 2023

Department: Computer Science and Engineering

Name of the Organization: LaNet Team Software Solutions Pvt Ltd

Name of the Department:

Name of office In Charge of the Department: Hitesh Pandya

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| **Description of Work Done in Brief (Week Log)** | | |
| **Week – 08: NodeJS (Continued)** | | |
| **Date** | **Day** | **Description of work** |
| 13-03-2023 | Monday | Today I learned Node Security and Authentication which included Encrypted connection with SSL and TLS, Digital Certificates, HTTPS with Node, Authentications vs Authorization. |
| 14-03-2023 | Tuesday | Today I learned about Helmet js node package and Social Sign In, API Keys and JWT Tokens, OAuth Authorization Flow, OAuth with Single Sign On, Registering with the Google Authorization Server, Authentication Endpoints With Middleware. |
| 15-03-2023 | Wednesday | Today I learned about Passport.js node package, Dotenv for Client Secrets, Authentication With Google And Oauth, Cookie Based Authentication, Sessions Tokens, Server VS Client Side Sessions With Cookies. |
| 16-03-2023 | Thursday | Today I worked with Session Middleware in Express and Setting Up OAuth Cookie Session, Reading and Writing the OAuth Session, Restricting Access to Endpoints, Implementing Logout, Experimenting With Fake Sessions. |
| 17-03-2023 | Friday | Leave for mid evaluation of final year internship in college. |
| 18-03-2023 | Saturday | Leave for mid evaluation of final year internship in college. |

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