**Gujarat Technological University**

(Established under Gujarat Act No. 20 of 2007)

**ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી**

(ગુજરાત અધિનિયમ ક્રમાંક ૨૦/૨૦૦૭ દ્વારા સ્થાપિત)

**Annexure 9**

**Enrollment no:** 190220131024

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

Name of student: Hitesh Lakhana

Diary of the week: From 20 – 03 – 2023 To 25 – 03 – 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 – 09: NodeJs** | | |
| **Date** | **Day** | **Description of work** |
| 20-03-2023 | Monday | Using MongoDB with Mongoose, Created REST API from scratch, Store API data in database mongoose, Understand Filtration and searching functionality. |
| 21-03-2023 | Tuesday | Implement Filtration and Searching functionality in project, Understand Advance search functionality and Sorting functionality, Adding and understanding pagination in project. |
| 22-03-2023 | Wednesday | Implemented different Query Methods such as limit, where, expect, sort, select and skip, Implemented Pagination using this queries to the Natours API |
| 23-03-2023 | Thursday | Implemented Aggregation Pipeline Method such as Matching , Grouping , Unwinding , Projecting etc., Virtual Properties in Mongoose Model, Document Middleware in Mongoose Model |
| 24-03-2023 | Friday | Query Middleware in Mongoose Model, Aggregation Middleware in Mongoose Model, Data Validation using build-in validators, Data Validation using custom validators |
| 25-03-2023 | Saturday | Debugging Node.js with ndb, Handling Unhandled Routes, Implementing a Global Error Handling Middleware, Catching Errors in Async Functions |

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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 10**

**Enrollment no:** 190220131024

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

Name of student: Hitesh Lakhana

Diary of the week: From 27 – 03 – 2023 To 01 – 04 – 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 – 10: NodeJs** | | |
| **Date** | **Day** | **Description of work** |
| 27-03-2023 | Monday | Handling Invalid Database IDs and Duplicate Database Fields, Modelling Users Schema in Natours API, Creating New Users, Managing Passwords |
| 28-03-2023 | Tuesday | Implementing Bcryptjs to encrypt the password, Implemented Authentication using JWT, Signing up Users, Logging Users, Protecting Tour Routes |
| 29-03-2023 | Wednesday | Advanced Postman setup, Authorization of User based Roles and Permissions, Password Reset Functionality and Reset Token, Sending Emails Using Nodemailer |
| 30-03-2023 | Thursday | Updating Password, Updating User Data, Deleting Current User, Sending JWT via Cookie, Implementing Rate Limiting, Setting Security HTTP Headers |
| 31-03-2023 | Friday | Data Sanitization, Preventing Parameter Pollution, Created Review Model , Modelling Tour Guides Embedding and child referencing, Populating Tour Guides |
| 01-04-2023 | Saturday | Modelling Reviews Parent Referencing, Populating Reviews, Virtual Populate, Nested Routes, Building Handler Factory Functions, Calculating Average Rating on Tours |

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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 11**

**Enrollment no:** 190220131024

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

Name of student: Hitesh Lakhana

Diary of the week: From 03 – 04 – 2023 To 08 – 04 – 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 – 11: NodeJs** | | |
| **Date** | **Day** | **Description of work** |
| 03-04-2023 | Monday | Preventing Duplicate Reviews, Geospatial Queries - Finding Tours Within Radius, Calculating Distances, Creating API Documentation Using Postman |
| 04-04-2023 | Tuesday | Setting up Pug in Express, Creating Base Template, Including Files into Pug Templates, Extending Base Template with Blocks |
| 05-04-2023 | Wednesday | Building Tour Overview Page, Building Single Tour Page, Including a Map with Mapbox, Building the Login Screen |
| 06-04-2023 | Thursday | Logging in Users, Logging out Users, Rendering Error pages, Building the User Account Page, Updating user data, Updating user password |
| 07-04-2023 | Friday | Image Uploads using Multer, Configuring Multer, Saving Images to Database |
| 08-04-2023 | Saturday | Buidling an Complex Email Handler, Email Template with Pug, Sending Email for Password Reset |

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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 12**

**Enrollment no:** 190220131024

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

Name of student: Hitesh Lakhana

Diary of the week: From 10 – 04 – 2023 To 15 – 04 – 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 – 12: NestJs** | | |
| **Date** | **Day** | **Description of work** |
| 10-04-2023 | Monday | Introduction to NestJs, Task Management API, NestJs module structure, Creating Tasks Module, Creating Tasks Controller, Creating Tasks Service |
| 11-04-2023 | Tuesday | Implemented get all tasks functionality, Implemented create a task functionality, Introduction to Data Transfer Objects (DTO), Implemented CreateTaskDto |
| 12-04-2023 | Wednesday | Implemented Getting Task by ID, Implemented Deleting Task By ID, Implemented Updating Status By ID, Added Searching and Filtering feature,Understood different types of pipelines in NestJs |
| 13-04-2023 | Thursday | Implemented Validation Pipe while creating a task, Error Handling, Validating the Update Task Status,Validation of Task filtering and search,Intro to Persistence. |
| 14-04-2023 | Friday | Running the PostgreSQL image in Docker, Setting up pgAdmin for Ubuntu, Creating a new Database using pgAdmin, Intro to TypeORM |
| 15-04-2023 | Saturday | Establishing Database Connection, Created a Task Entity, Active Record Pattern vs Data Mapper Pattern, Created Tasks Repository |

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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 13**

**Enrollment no:** 190220131024

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

Name of student: Hitesh Lakhana

Diary of the week: From 17 – 04 – 2023 To 22 – 04 – 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 – 13: NestJs** | | |
| **Date** | **Day** | **Description of work** |
| 17-04-2023 | Monday | Refactoring of Tasks Service, Implemented Persistence in differnet routes, Setting up AuthModule along with User Entity and User Repository, Added SignUp Feature |
| 18-04-2023 | Tuesday | Hashed password using bcrypt and securely stored in Database, Validated Credentials and Handled UserName Conflicts, Added SignIn Feature |
| 19-04-2023 | Wednesday | Setting up JWT Module and Passport.js, Signing a JWT Token on SignIn and Implemented JWT Validation, Created custom @GetUser Decorator and Guarding the Tasks Routes |
| 20-04-2023 | Thursday | Tasks - Users Data Relation, Serialise the User Data, Restricted Getting All Tasks And BUG\_FIX in Getting All Tasks, Restricted Getting a Task By Id, Updating a Task, Deleting a Task |
| 21-04-2023 | Friday | Leave for college submission |
| 22-04-2023 | Saturday | Leave for college submission |

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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. |