SRM UNIVERSITY, ANDHRA PRADESH

SUMMER INTERNSHIP COURSE, June 2025

<u>WEEKLY DIARY REPORT</u>

<u>(B.Tech. STUDENT BATCH 2023-27)</u>

(To be submitted to Faculty Mentor over mail with CC to Industry mentor)

Name of Student: Shaik Mohammed Junaid

ID NO: AP23110010681

Company Name (For industry internship): Trinwo Solutions

Name of Faculty Mentor: Dr. Shaiju Panchikkil

Week 1: From 15th June 2025 to 21st June 2025

S. No	Field	Answer
1	Project Title	Web-Based Dating Platform (Full Stack)
2	Project Description	Development of a comprehensive web-based dating platform with features including user authentication, profile management, matching algorithms, and messaging system. The project aims to create a user-friendly interface for connecting people based on shared interests and preferences.
3	Outline of the Solution	Full-stack web application with front-end using HTML, CSS, Bootstrap, JavaScript; back-end using PHP and MySQL database. Key components include user registration/login system, profile creation and management, matching algorithm based on user preferences, real-time messaging system, and responsive design for mobile compatibility.
4	Design of the Solution	Team-based development approach with designated roles: Team Lead & Front-End Developer (Junaid), Front-End Developer (Samad), Back-End Developer (Kiran), UI/UX Designer (Sasank), Documentation Lead (Madhan). Architecture follows MVC pattern with separate layers for presentation, business logic, and data management.
5	Hardware and Software Requirements	**Software:** Visual Studio Code, XAMPP server, MySQL database, phpMyAdmin, Git/GitHub for version control, Bootstrap framework, modern web browsers for testing. **Hardware:** Development computers with minimum 4GB RAM, internet connectivity for collaboration and testing.
6	Environment Setup	Windows-based development environment with XAMPP for local server setup, Visual Studio Code as primary IDE, GitHub for version control and team collaboration, Google Drive for resource sharing and documentation.
7	Concepts Used	**Front-End:** HTML5 for structure, CSS3 for styling, Bootstrap for responsive design, JavaScript for client-side validation and interactivity. **Back-End:** PHP for server-side scripting, MySQL for database management. **Development Practices:** Version control with Git, agile methodology with weekly sprints, collaborative development using GitHub branches. **Key Programming Concepts:** Form validation, responsive web design, database connectivity, user authentication, session management.
8	Testing & Validation	**Boundary Tests:** Email validation (valid email format), password matching verification, form field requirements validation. **Input Validation:** Username length constraints, password strength requirements, profile information completeness checks. **Cross-browser Testing:** Chrome, Firefox, Safari compatibility. **Responsive Testing:** Mobile, tablet, and desktop screen sizes.
9	Testing Material	Screenshots of login/signup pages with validation messages, wireframe designs for user journey mapping, team collaboration setup (GitHub repository, Google Drive folder), initial UI mockups and design layouts.
10	User Manual	Initial user journey documentation covering account registration process, profile setup guidelines, navigation through platform features, basic troubleshooting for common issues.
11	Technical Documentation	Project architecture overview, team roles and responsibilities documentation, GitHub repository structure, coding standards and conventions, database schema initial planning.

12	References	Research on existing dating platforms (Friender, matrimony sites), Bootstrap documentation for responsive design, JavaScript validation techniques, PHP MySQL integration tutorials, UI/UX design best practices.
13	Daily Work Breakdown	
	Day 1	Team formation meeting, role assignment, project scope discussion, initial requirement analysis
	Day 2	Setup of development environment (VS Code), GitHub repository creation, Google Drive folder organization
	Day 3	Research on existing dating platforms, competitive analysis, feature identification for MVP
	Day 4	Wireframe creation, user journey mapping, initial UI/UX design discussions with designer
	Day 5	Finalization of MVP features (Sign Up/Login, Profile Creation, Match Suggestions, Messaging), team sync meeting

Week 2: From 22nd June 2025 to 30th June 2025

S. No	Field	Answer
13	Daily Work Breakdown	
	Day 1	Received UI designs from Sasank, design review and modification discussions
	Day 2	Started HTML/CSS development for Login and Sign Up pages using Bootstrap framework
	Day 3	Implemented JavaScript form validation for email format and password matching
	Day 4	Coordination with back-end developer (Kiran) for form input-server integration planning
	Day 5	Created sample profile card design, GitHub workflow training for team, mobile responsiveness testing

Week 3: From 1st July 2025 to 7th July 2025

S. No	Field	Answer
13	Daily Work Breakdown	
	Day 1	Team planning meeting, task assignment for next sprint, progress review
	Day 2	Completion of Home Page front-end development with Bootstrap responsive design
	Day 3	Profile Page development (sample version), layout optimization for different screen sizes
	Day 4	Explore/Matches section layout creation, GitHub branching strategy implementation
	Day 5	Code organization in GitHub (folder structure: /assets, /pages, /scripts), README file updates

Week 4: From 8th July 2025 to 15th July 2025

S. No	Field	Answer
13	Daily Work Breakdown	
	Day 1	XAMPP server setup, MySQL database installation and configuration
	Day 2	Database creation (dilse_db) using phpMyAdmin, table structure planning
	Day 3	PHP script development for Sign-Up and Login functionality, database integration
	Day 4	Collaboration with Kiran for form data-database mapping, backend-frontend coordination
	Day 5	Profile information storage/retrieval system development, documentation support for Madhan, GitHub repository maintenance

Week 5: From 16th July 2025 to 22nd July 2025

S. No	Field	Answer
13	Daily Work Breakdown	
	Day 1	Started working on the messaging system layout, created basic chat interface using HTML and CSS
	Day 2	Added JavaScript functionality for real-time message display, tested message sending between users
	Day 3	Implemented user matching algorithm based on age, location, and interests stored in database
	Day 4	Created admin panel layout for managing user accounts and monitoring platform activity
	Day 5	Fixed bugs in profile page, improved mobile responsiveness, conducted team review meeting

Week 6: From 23rd July 2025 to 29th July 2025

S. No	Field	Answer
13	Daily Work Breakdown	
	Day 1	Developed blog section where users can share experiences and dating tips
	Day 2	Added photo upload functionality for user profiles using PHP file handling
	Day 3	Created notification system to alert users about new matches and messages
	Day 4	Implemented search and filter options for finding users by age, location, and interests
	Day 5	Conducted comprehensive testing on all features, documented bugs and issues found

Week 7: From 30th July 2025 to 5th August 2025

S. No	Field	Answer
13	Daily Work Breakdown	
	Day 1	Enhanced security by adding password encryption and session management
	Day 2	Created user feedback system for reporting inappropriate behavior and content
	Day 3	Added privacy settings allowing users to control who can view their profiles
	Day 4	Implemented email verification system for new user registrations
	Day 5	Optimized database queries for better performance, cleaned up code structure

Week 8: From 6th August 2025 to 12th August 2025

S. No	Field	Answer
13	Daily Work Breakdown	
	Day 1	Final testing of all website features, cross-browser compatibility checks
	Day 2	Created user manual and help section for platform navigation
	Day 3	Prepared project presentation with screenshots and live demonstration
	Day 4	Completed final documentation, updated GitHub repository with final code
	Day 5	Project presentation to mentors, received feedback, discussed future improvements

Project Status Summary

Completed: Complete web-based dating platform with user authentication, profile management, messaging system, matching algorithm, blog section, admin panel, and security features

Key Features Implemented: User registration/login, profile creation with photo upload, matching based on preferences, real-time messaging, blog section, notification system, search/filter options, privacy settings, email verification

Technical Skills Gained: Full-stack web development, database design, PHP programming, JavaScript functionality, responsive design, team collaboration, version control

Final Project Achievements

Frontend: Responsive design with Bootstrap, interactive user interface, mobile-friendly layout

Backend: PHP server-side scripting, MySQL database integration, secure user authentication

Additional Features: Photo upload system, email notifications, admin panel, user feedback system

Team Leadership: Successfully coordinated 5-member team, managed project timeline, ensured code quality

Team Collaboration Tools

GitHub Repository: https://github.com/zudoto18/nexus-internship

Google Drive: Project Resources

Communication: WhatsApp group for daily coordination, weekly sync meetings

Future Recommendations

- Implementation of advanced matching algorithms using machine learning

- Integration with social media platforms for enhanced user profiles
- Mobile application development for better user accessibility
- Payment gateway integration for premium features