NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
COMPUTER SCIENCE ENGINEERING
DAILY WORKSHEET (DWS)

DWS No - 2

NAME OF THE STUDENT **:** Kaif Imranuddin Munshi

ROLL NO. **:** 22bce517

NAME OF THE COMPANY **:** Grus & Grade Pvt Ltd

DATE	TASK
1 Jan 2025	New hire Orientation Program
2 Jan 2025	About Grus & Grade
3 Jan 2025	Introduction to Microservices
6 Jan 2025	Campus to Corporate - Day :1 (Corporate Communication and Etiquette)
7 Jan 2025	C2C - Day : 2 (Email Etiquette and teamwork)
8 Jan 2025	C2C - Day : 3(Time Management)
9 Jan 2025	Day 4 (Corporate Presentation Skills)
10 Jan 2025	Company specific trainings
13 Jan 2025	Product specific trainings : start
15 Jan 2025	Research IoT- Enabled Weight Measurement Techniques
16 Jan 2025	Study Motor driver Integration for Automated Transfer
17 Jan 2025	Compare NodeMCU ESP 8266 v/s Raspberry Pi for IoT control

20 Jan 2025	Analyse conveyor belt mechanism for Poha Transfer
21 Jan 2025	Finalise the list of electric components and sensors
22 Jan 2025	Research Real-time IoT Dashboards for monitoring weight
23 Jan 2025	Create Initial System flow diagram
24 Jan 2025	Finalise system architecture and work flow
27 Jan 2025	Select cloud platform for real time monitoring
28 Jan 2025	Review existing food handling automation system
29 Jan 2025	Study load cells , HX711 Amplifiers, & MicroControllers
30 Jan 2025	Study API Intergration for Remote Control
31 Jan 2025	Identify and fix early stage issues and finalise Research document
3 Feb 2025	Project Title discussion
4 Feb 2025	Idea set for the project
5 Feb 2025	Requirement gathering done for the project
6 Feb 2025	Database Design for the project
7 Feb 2025	Tech stack decided for the project
10 Feb 2025	Project development Plan Set
11 Feb 2025	Technical trainings
12 Feb 2025	Technical trainings
13 Feb 2025	Software installations
14 Feb 2025	All literature survey done
17 Feb 2025	Setting up the Node.js project structure (MVC-based).
18 Feb 2025	Configuring Express.js, middleware, and environment variables.
19 Feb 2025	Database selection finalized (MongoDB/PostgreSQL) and schema design.
20 Feb 2025	Implementing database connection and configuration.

21 Feb 2025	User authentication model design (JWT, bcrypt for hashing).
24 Feb 2025	Implementing user registration API (Validation, hashing).
25 Feb 2025	Implementing login API (JWT authentication, error handling).
26 Feb 2025	Implementing role-based access control (Admin, User).
27 Feb 2025	Password reset functionality (OTP-based or email-based).
28 Feb 2025	User profile update and management APIs.
3 Mar 2025	Designing campaign creation API (Title, description, goal amount, duration).
4 Mar 2025	Implementing campaign update API (Owner can edit details).
5 Mar 2025	Implementing campaign listing API (Pagination, filters by category).
6 Mar 2025	Implementing campaign deletion (Soft delete for user, hard delete for admin).
7 Mar 2025	Adding campaign media upload support (Images, videos via Cloud Storage).
10 Mar 2025	Setting up payment gateway (Stripe/Razorpay integration).
11 Mar 2025	Implementing donation API (Processing payments securely).
12 Mar 2025	Transaction tracking API (Donor contributions, campaign funds).
13 Mar 2025	Refund and withdrawal management APIs
14 Mar 2025	Finalizing backend APIs, testing, and bug fixing.

Sign of Engineer In-charge / Project

Date: 14/03/2025