

NMAMIT - DLithe IT/1/Python - Problem Solving DSA - Low Level Design Use case review						
Team Details			Review Parameters			
Team No	Members Information	Reg No	Use case details	Architecture Design	Implementation	Final Demonstration
1	Raksha Kini Swaroop Kumar Sahana H S Darshini U Shetty	nmm22ad027 nmm22is182 nmm22cs150 nmm22cs055	Pet Care Appointment Scheduler Domain: Veterinary / Booking Functional Requirements: - Add pet profiles - View doctor slots and book - Track appointment history Low-Level Design: - Pet: id, name, breed, owner - Appointment: pet_id, time_slot, doctor - PetCareApp: manages appointments			
2	Manish Kumar Vishnu Bhat Anup Rajesh Prabhu Adithya Shenoy	nmm22ad029 nmm22is203 nmm22cs030 nmm22cs010	AI Prompt Manager Domain: Developer Tools / GenAI Functional Requirements: - Save prompts with tags and tool (ChatGPT, DALL-E, etc.) - Search, filter, edit, favorite Low-Level Design: - Prompt: id, text, tags, tool, is_favorite - PromptManager: stores (id: Prompt), filtering, CRUD methods			
3	Swasthik S Devadiga Sai Balaji Mohamad Raed Karthik Shashidhar Salian	nmm22ad059 nmm22is135 nmm22cs099 nmm22cs087	EV Charging Slot Booking System Domain: Smart Mobility / IoT Functional Requirements: - Users can view EV stations - Each station has available time slots - Users can book or cancel a slot - Prevent booking overlap for the same slot Low-Level Design: - Station: station_id, location, list of Slot - Slot: slot_id, time_window, is_booked - EVBookingSystem: stores station dictionary (station_id: Station), methods for booking/canceling			
4	Rhea Dmello Swaroop D Shetty Dilshan Divan Dsouza Hrshikesh B	nmm22ad044 nmm22is181 nmm22cs068 nmm22ec061	Personal Finance Tracker Domain: FinTech Functional Requirements: - Log income/expense - Filter by category/date - View monthly balance Low-Level Design: - Transaction: id, amount, category, date, type - FinanceTracker: stores list of transactions per user			
5	Vinay Kamath Ananya V Prathyush Prakash Bhandary Jithendra Shenoy	nmm22ad063 nmm22is116 nmm22cs135 nmm22ec069	Vaccination Slot Notification System Domain: Health / Govt Functional Requirements: - Register citizens - Notify based on eligibility - Book slots and track status Low-Level Design: - Citizen: id, name, age, dose1_done, dose2_done - Slot: date, location, vaccine - VaccinationSystem: manages bookings and notifications			
6	Swaraj Hegde Bianca Gelesia Martis Shamanth Hegde Erramsetti Yashasree	nmm22is180 nmm22is036 nmm23cs511 nmm22cc055	Domain: E-commerce / Electric Functional Requirements: - Select LED, Switches, UPS, Batteries etc. - Check compatibility - Save and share builds Low-Level Design: - Component: id, name, type (e. g. Stabilizer), specs - Build: id, components_list - QuotationBuilder: validates and saves builds			
7	Dhanush Lokesh Naik Parkshith Bhargav K R Tejas M Naik Vamshikrishna Murali	nmm22is044 nmm22is109 nmm23cs513 nmm22cc066	Freelancer Availability Tracker Domain: Gig Economy / HR Functional Requirements: - Add freelancers with skill tags - Book freelancers - Filter by skill or availability Low-Level Design: - Freelancer: id, name, skills, is_available - FreelancePortal: stores (id: Freelancer), methods to filter, book			
8	Riyaz Ahmed Shravan Kumar Aashu Nitin Shetty Gurudutt R Pai	nmm22is131 nmm22is154 nmm22cs003 nmm22cc022	Remote Interview Scheduler Domain: HR / EdTech Functional Requirements: - Add candidates with available slots - Schedule without time conflicts - Reschedule and cancel Low-Level Design: - Candidate: id, name, list of available slots - Interview: candidate_id, time_slot - InterviewScheduler: methods to check conflict and assign			
9	Vinit Maresh Kamath K S Britney Genelia Martis Nikhil Yuvaraj Bangera	nmm22is201 nmm22is086 nmm22cs043 nmm22cc008	Hackathon Registration System Domain: EdTech / Events Functional Requirements: - Register teams - Assign to tracks - Lock registration post-deadline Low-Level Design: - Team: id, name, members, track - HackathonSystem: stores teams, filters by track			
10	Sonal Mayola Sequeira Prinston Coelho Dinesh Acharya Pantosh Jha	nmm22is171 nmm22is121 nmm22cs064 nmm22cc037	Blood Donation Matching System Domain: Healthcare / NGO Functional Requirements: - Register donors with blood group and location - Emergency request for blood - Show matching donors Low-Level Design: - Donor: id, name, blood_group, city, is_available - BloodBank: stores (id: Donor), methods to match and book donor			
11	Hritwika Varma Bhuvan R Shetty Deeksha Ramachandra Aishik Roy	nmm22is060 nmm22is035 nmm22cs056 nmm22am002	Custom PC Build Configurator Domain: E-commerce / Tech Functional Requirements: - Select CPU, GPU, RAM etc. - Check compatibility - Save and share builds Low-Level Design: - Component: id, name, type (e. g. CPU), specs - Build: id, components_list - PCBuilder: validates and saves builds			
12	Thanush . Meghna Vikram Kulal Amrutha R Rao	nmm22is188 nmm22is092 nmm22cs207 nmm22am023	Lost & Found Portal for Campus Domain: Campus Utility Functional Requirements: - Report lost/found item - Match items - View all items by category Low-Level Design: - Item: id, description, category, status - LostFoundManager: matches based on keywords/category			
13	Bhuvan D Shetty Adithi Pai S Ameesha J Ruzario Mayur V Udupa	nmm22is034 nmm22is008 nmm22cs019 nmm22am031	Digital Waste Collection Tracker Domain: Civic Tech / Sustainability Functional Requirements: - Add pickup request - Assign waste collector - Track collection status Low-Level Design: - Request: id, user_id, location, status - Collector: id, name - WasteTracker: manages requests and assignments			
14	Neil Mammen Prakash Vaishak M C Nikhil Shetty Preksha Jain	nmm22is104 nmm22is194 nmm22cs109 nmm22am043	Apartment Complaint Tracker Domain: Property Management Functional Requirements: - Raise maintenance complaints - Assign technician - Mark as resolved or pending Low-Level Design: - Complaint: id, category, status, resident_id - Technician: id, name - ComplaintSystem: tracks and assigns complaints			
15	Samskrithi S Charith U Charan G Nibha S Rao	nmm22is138 nmm22cs046 nmm22cs045 nmm22am034	Green Points Carbon Tracker Domain: ESG / Sustainability Functional Requirements: - Log activities (e.g., cycling, recycling) - Each activity has point value - Total points per user - Leaderboard view Low-Level Design: - User: id, name, green_points - Activity: name, point_value - GreenApp: stores users and activities in dictionaries			
				No students done Architecture Design	No students done implementation	No of students presented
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