Atelier Web APP. -

we want the app to do following as per user –

User L0 (VP / HoD MEP) – dashboard will show all project summary (Project status (Concept, DD, Tender, VFC), Site status, Lead name, Pending MAS Count, Pending RFI Count, link to schedule). It will give option to start a new project. Start of new project will take to another page, where name of project, location and option to assign L1 (AVP) will be there. Users google contact list will be used to select L1 from searchable list. On clicking any project card, it will take to project page, showing project details (towers, area, flats, shops, society formation groups, drawing links, design calculation links, schedule of project (design and drawing list, tender etc. with dates). Give option to chat to a BOT who will answer based on data available in database.

This user will also have option to check and download in excel / pdf reports as per custom input like user with most delayed MAS, most delayed RFI, project in order of longest pending days of deliverables, project in order of highest number of MAS or RFI, material in BOQ in order of highest number of MAS rejection. These questions will be handled by LLM, and user LLM will interact with user to predict and select table format, content, graphs type etc. and will give attractive, easy grasping professional reports in excel / pdf.

User L1 (AVP) – Dashboard will show all project which are assigned to him, user can edit project details except name. he will add building, building type (from option select residential, clubhouse, commercial, institute, shop, MLCP /Parking, Hospital, data center, industrial etc.). If residential the type (Casa, Aspi, Premium, Villa, others). If residential then Add floor in building, floor name, floor height, add flat , flat type (1BHK, 2BHK, 3 BHK, 4BHK, 5BHK, 6BHK), flat area in sqmt. Give option to add swimming pool in flat, and its volume. Add common area on floor, area of common area in sqmt, while defining floor, system will ask for floor name and then add twin floors, and user will put name of similar floors with comma, so user will add details for floor once but it will be considered for all similar twin floors. Same for twin buildings too. In building add lift, lift name, passenger capacity,

If villa, user will be asked for villa name, number of villas of same configuration, then in villa, select BHK, and put number of floors, add swimming pool, volume of swimming pool. Add lift, name of lift, and passenger capacity.

If MLCP / Parking, then building name, add floors, define twin floors, add car parking on each floor, area of each car park, add 2-wheeler parking, area of one 2-wheeler parking, mark % of EV parking, add shop, area of shop, number of similar shops. Add lift, lift name, passenger capacity.

If commercial, then building name, add floor, in floor add office, office area, number of similar offices, add common area, area of common area, add lift in building, lift name, passenger capacity.

L1 user will add team members from user L2, L3 etc. also L1 will add MEP consultant with name, email ID, contact person name, contact number. with services like electrical, mechanical, etc. User will be selected from searchable selection list from google contact.

L1 will add Construction managers from google contact for the project. L1 will also add strategy team members from google contact.

User L2 (GM/AGM/DGM) – User will have dashboard showing project cards assigned to him, user can see and edit project details. But any change made in project details will go to L1 for approval and once approved it will be marked in revision tracker and will be updated in database. L2 will make, update and track design drawing schedule. L2 can add team member in consultant team with name, contact number and email ID. L2 will mark completion of stage of project, change will go to L1 for approval. L2 will have option to go to design section, here it will show list of calculations (electrical load calculation, water demand calculation, cable selection sheet, rising main design, down take design, bus riser design, and others). L2 user dashboard will also show MAS & RFI summary card showing pending numbers. Clicking on MAS card will take to MAS page here it will show list of pending MAS for project assigned to him. Clicking on list item will show MAS documents with attached documents for review. User can review, mark comments, approve, approve with comments, reject, or ask to resubmit with comments. Once L2 user approves MAS it will go to L1 for approval. L1 can approve or comment or reject the MAS. Accordingly, it will reflect to vendor user who is owner of that MAS. L2 can mark MAS to L3/L4 for action.

If L2 clicks on RFI card, it will take to RFI page where list of pending RFI will be shown. Clicking on list item will show RFI details, user will comment, upload supporting file, and send to owner of RFI, updates will be visible to L1 in his dashboard cards for RFI. L2 can mark any RFI to L3 / L4 for action.

L2 will have LLM support for project details, schedule tracking, design calculation, MAS, RFI, trends and report creation but only within database.

User L3 & L4 (Managers/ GET/Draught's man) – User can see project details, can see and download calculations sheets, upload drawings, upload BOQs. All downloads and uploads will be tracked and recorded in database. Any MAS or RFI marked to L3 will be shown in his dashboard cards. On clicking the card user will see the list, click on MAS or RFI list item will take to details same like L2. Once L3/L4 works on MAS or RFI, it will go to L2 for further action, won't go to L1 or owner of MAS or RFI directly.

L3/L4 will have LLM support for project details, tracking, MAS, RFI, trends and report creation but only within database.

User Vendor – Vendor will see project or building / floor of building which is assigned to him. He can see related project details, can't edit. Vendor dashboard will show MAS summary (Pending / approved). On clicking MAS card, it will take to MAS page here, user will see list of earlier MAS created by him, their status (approved, pending with L2, Pending with L1, approved with comment, resubmit or rejected). Clicking on list item will take to details of MAS document (non editable). There will be option to create new MAS, where user will fill required data, upload supporting files and then submit. Based on selected project name it will automatically be listed to assigned L2 and L1.

User Construction Manager – Construction managers can see project details (non edit) and schedule. They can mark comments on schedule, which will be visible to respective L0, L1, and L2. CM can download drawings from project drawing list, can view (non edit) design calculations)

User Strategy team – same rights as Construction manager.

This web app is for MEP team utility. L1, L2, L3, L4, construction manager and strategy team will be from Lodha group and will sign in with google by lodhgroup.com email id only. Vendors will use this app only with email ID entered by L1 in project details. They will have to use OTP for login.

Use Lodha color scheme and theme. Don’t use black background, make navbar for easy use. LLM where ever marked for users should tell the project history with revisions, date, and important change, uploads, status change etc. in report format whenever asked for or provide a button to create project story so far.

During app development give a user as super admin which can see all levels pages for development and testing purpose.