IT Project Flow using House Analogy & Azure Admin Role

IT Project = House Construction Analogy

1. **Requirement Gathering (Client ki demand):**
Jaise ek family builder ko bolti hai: "Mujhe 3 BHK ghar chahiye, modular kitchen, parking aur garden ke sath." Waise hi client IT company ko bolta hai: "Mujhe ek e-commerce website chahiye ya HR portal chahiye."

2. **Planning & Design (Blueprint & Architecture):**
Architect ghar ka **blueprint (naksha)** banata hai: kitne rooms, kaise wiring, kaise plumbing, garden kahan hoga. Waise hi IT Architect **HLD/LLD** banata hai: kitne servers, kaunsa database, kaunsa region, kaunsa backup.

3. **Development (Construction work):**
Mistri aur mazdoor ghar banate hain (diwar, flooring, paint). Waise hi Developers **code likhte hain** aur testers usko test karte hain.

4. **Deployment (Ghar handover):**
Ghar complete hone ke baad family shift hoti hai, lights, water supply, security guard setup hota hai. Waise hi Application **production me deploy hoti hai**, network, load balancer, firewall setup hota hai.

5. **Operations & Maintenance (Ghar ki daily care):**
Rozana bijli bill bharna, safai karna, chhat ki leakage fix karna, security guard check karna. Waise hi IT me monitoring, backup, patching, scaling, security updates hote rehte hain.

Azure Admin ka Role (House Example se)

- **Requirement Phase me:** Jaise builder ko bolna ki 2 bathroom alag hone chahiye. Azure Admin client ki infra requirement samajhta hai (VM, Storage, DB, Region).

- **Design Phase me:** Jaise architect ke sath discuss karna ki entrance kaha hoga, wiring kaisi hogi. Azure Admin architect ke sath network design, backup plan, DR plan decide karta hai.

- **Development/Testing Phase me:** Jaise construction ke time plumber, electrician ko coordinate karna. Azure Admin dev team ko servers, DB aur test environment provide karta hai.

- **Deployment Phase me:** Jaise ghar handover karne se pehle bijli, pani, security ensure karna. Azure Admin load balancer, NSG, VPN, monitoring configure karta hai.

- **Operations Phase me:** Jaise ghar banne ke baad AC service, water tank cleaning aur maintenance karna. Azure Admin backup, monitoring, patching, DR drills manage karta hai.

Simple Mapping:
- Ghar = IT Project
- Builder = IT Company
- Architect = IT Architect
- Mistri/Mazdoor = Developers & Testers
- Security Guard & Maintenance = Azure Admin