

## **Z&SR YOUNG ARCHITECTS CLASS 2020 :**

### **Understanding Architectural Practice**

#### **Objectives :**

- accelerating junior architects learning curve
- what to expect when you start working as an architect
- minimise 'learning thru mistake '
- survival kit when yr boss left u alone to face client and managing contractor
- run your project with confidence

#### **Target Group :**

Part 2 architects with 1 to 5 yrs working experience

**Frequency :** 6 sessions ; 3-4 hrs a session, fortnightly on weekend, Jan to March 20

**Lecturers :** Practising architects from private and public sectors with experiences ranging from minimum 10 years to over 20 years.

#### **Session 1A : Soft Skills**

*"when it comes to soft skills, Millennials fall short, and it's frustrating for employers. According to a recent McKinsey study, 40 percent of employers said they have difficulty filling vacancies because younger workers lack soft skills such as communication, teamwork, and punctuality. A PayScale survey found similar results, with managers highlighting leadership and ownership as skills that Millennials lack." - quote*

- leadership / teamwork / communication skills / work ethic / respect / empathy / resourceful / ownership etc

#### **Session 1B : Development Process and Authorities Approvals**

- starting a proposal : feasibility study. What plot ratio, population density .... etc.
- GFA vs NFA vs GBA vs GDV
- process from vacant land to ready for occupation
- Land Matters to KM to DO to BP to CCC
- One Stop Centre (OSC 3.0)
- How CCC works, Borang G1 to G21

#### **Session 2 : Housing Project + Strata ownership**

- what difference running a housing project compared to other projects
- significant of Housing Dev Act and Architect's role
- understanding standard S&P and Stage Payment
- How Stage Payment works in relation to construction
- Understanding Strata Titles and how it works
- Application process : hv you heard of SiFUS, SoP, SSS, CPSP etc ?
- Landed Strata and Gated Community vs Guarded Neighbourhood

### Session 3 : Running a Project

- understanding tendering process from preparation to award
- type of tender and which one suit yr project
- introduction to building contract , type of building contracts and which one suit yr project
- Contract Management from site possession to CMGD
- common issues in contract : payment, eot, defects, AI,
- certificates arch to issue in contract : IPC, EOT, CPC, CMGD etc
- managing contractor ; what shd be in progress report, how to read and analyse work programme, understand sequence of works and its significant, site inspection - what to look for [ compliance to contract, compliance to approval, improving design, managing changes ]
- how to assess EOT application
- managing site meeting

### Session 4 : Coordinating Consultants

- understanding Civil & Structure works for architect
  - from piling to superstructure, road & drain, sewerage, water supply etc
- understanding Mechanical & Electrical works for architect
  - electrical, telco, elv, lift, aircond, fire-fight, cold water, internal plumbing etc
- reading & coordinating C&S and M&E drawings
- implication of C&S and M&E on architectural design
- Introduction to BIM

### Session 5 : Practicality of Design

- design to comply with statutory req, authority guidelines / UBBL & SDB Acts, Fire Req.
- design that serve it's purpose
- constructibility in design, maintainance friendly design
- universal design
- construction detail / building specification : selecting sanitary fittings, ironmongeries, type of finishes, door and windows spec .... etc

### Session 6 : Your Way Forward – Being an Ar.

- Your role as salaried architect
- Road to be profesional architect- from registration for exam | study for exam | exam format | taking exam
- Registering as Ar. | registering architectural practice
- Type of architectural practice
- How architect's fee being calculate
- Do and Don't as an Architect
- Reality of practice : Pofessionalism or Business or Leisure