Spatial Networks in an architectural design process

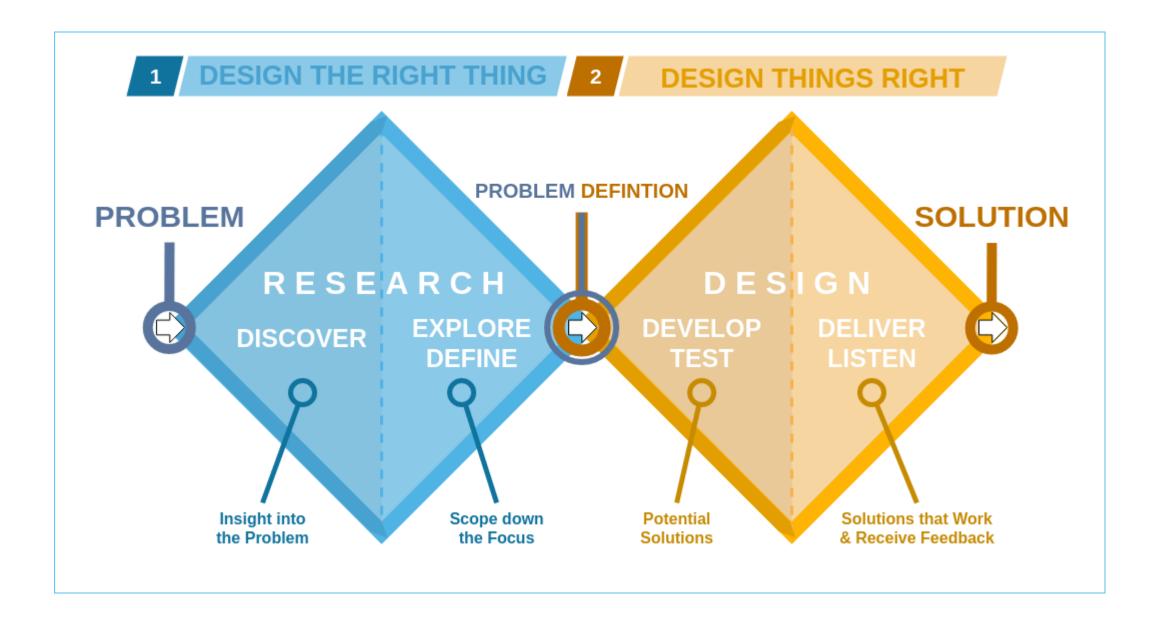
6/5/2022 _ Friday _ DAI Ryan Tan

Vision from the Client

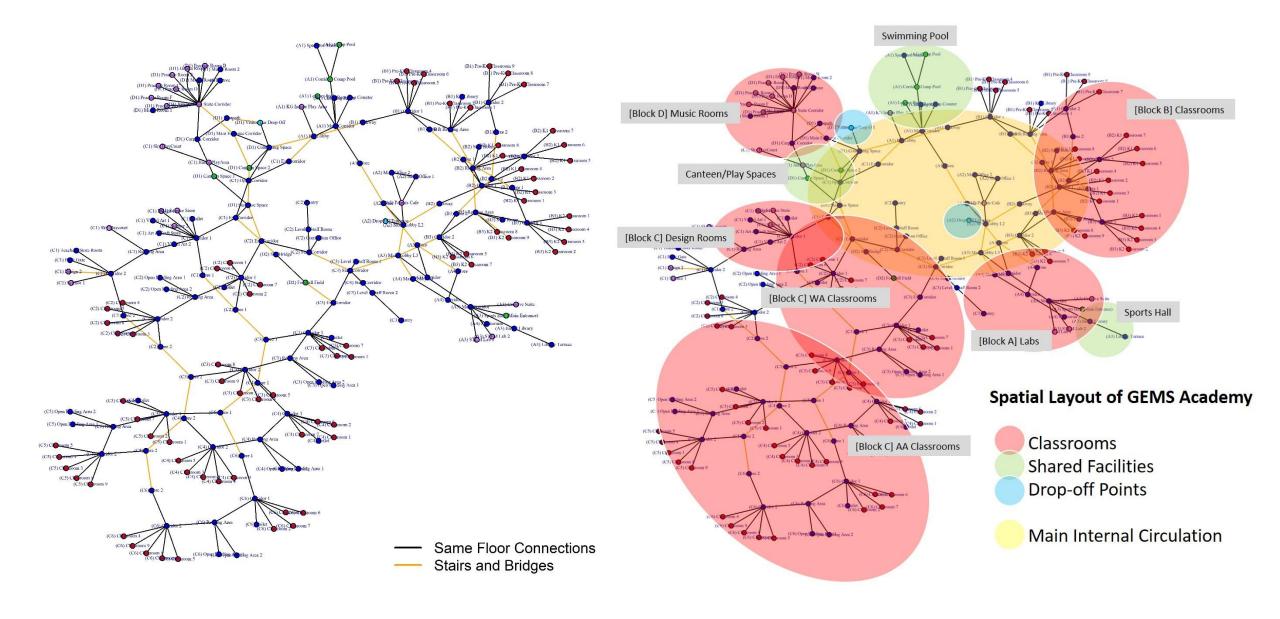
Requirements	Vision	
(A) Addition of a New School Compound	(A1) Development of new blocks to house more learning facilities	
(B) Rearrangement of Campus to allow for both Schools to co-exist	(B1) Re-assigning of classrooms for different education levels(B2) Distinct Brand Separation for the both schools with controlled crossovers(B3) Allowing existing amenity provisions (e.g. Pool, Soccer Field, Activity Rooms) to be accessible to all schools and education levels.	
(C) New Shared Amenities	(C1) Building of a new E-Sport Arena, a new central landmark of the school (C2) Placement of a new Drop-off which helps with traffic and wayfinding	

Planning the Workflow

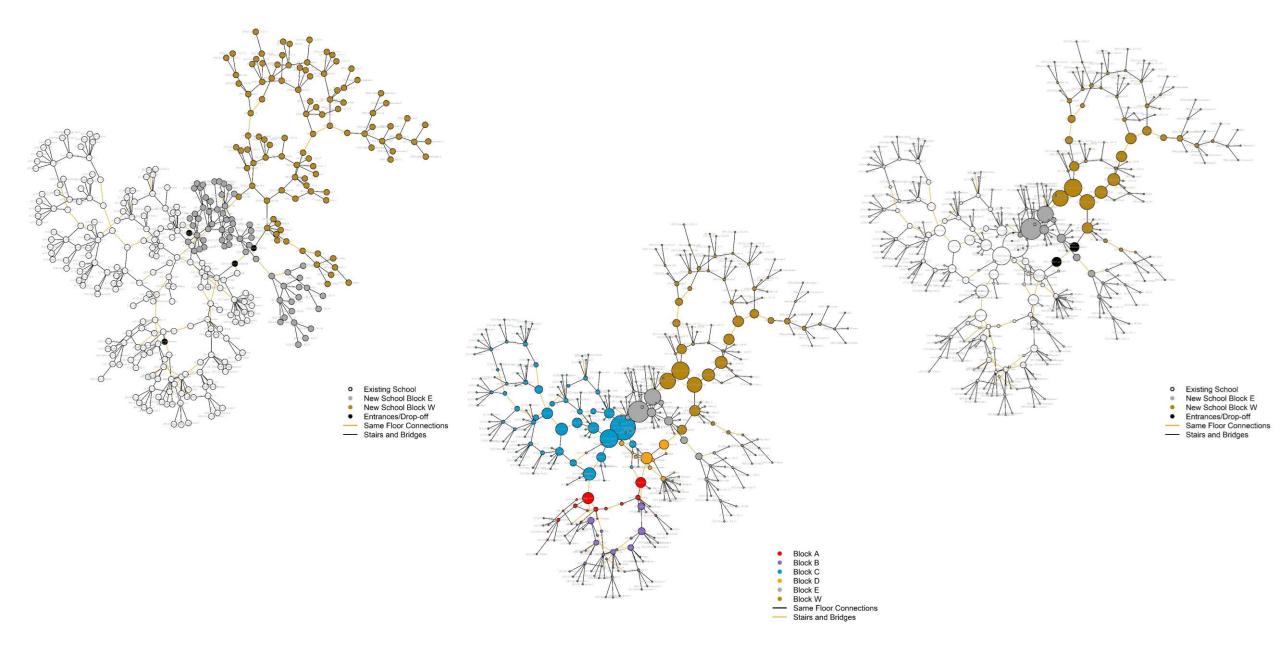
Steps	Stages	Roles	Tasks	Alignment
1	Baseline	Analysts	Map and Analyze Existing Structure of Campus	
2	Analysis		Communicate Existing Spatial Structure	
3	Testing Plans	Architects	Recommend Macro Design Elements	A1,B1,B2
4	(Macro)	Analysts	Map and Evaluate Macro Design Elements	
5	Testing Plans	Architects	Recommend Micro Design Elements	B3,C1,C2
6	(Micro)	Analysts	Map and Evaluate Micro Design Elements	



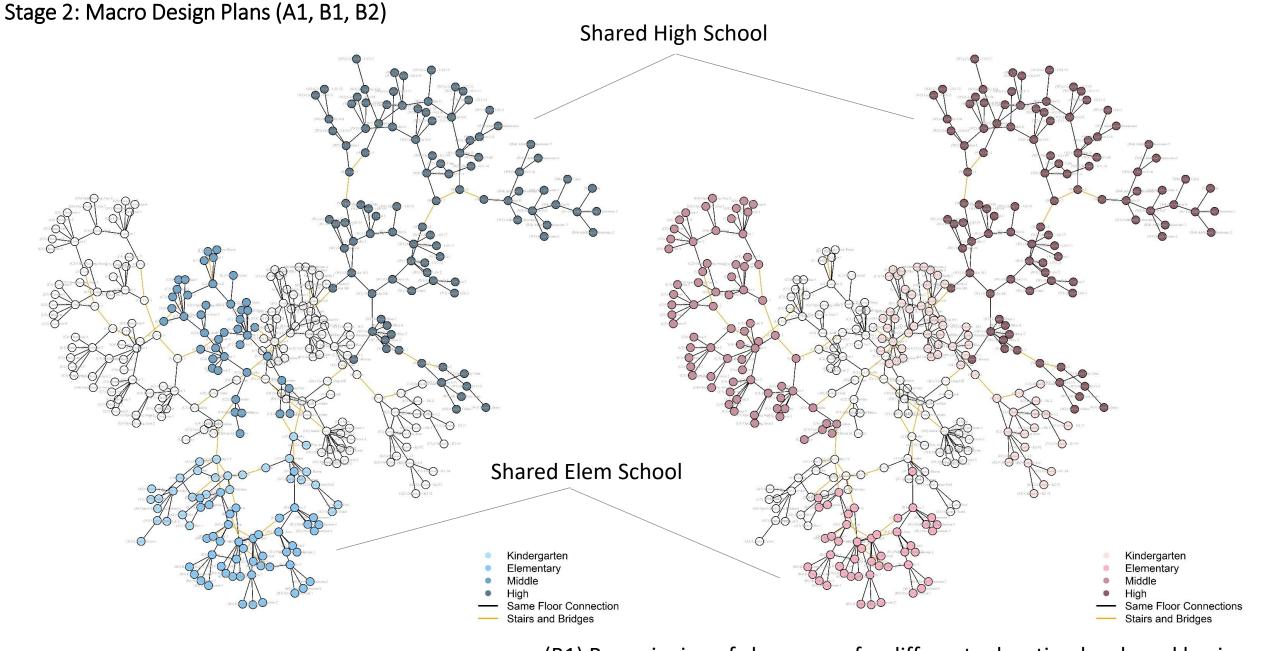
Stage 1: Baseline Analysis of Existing Campus Structure



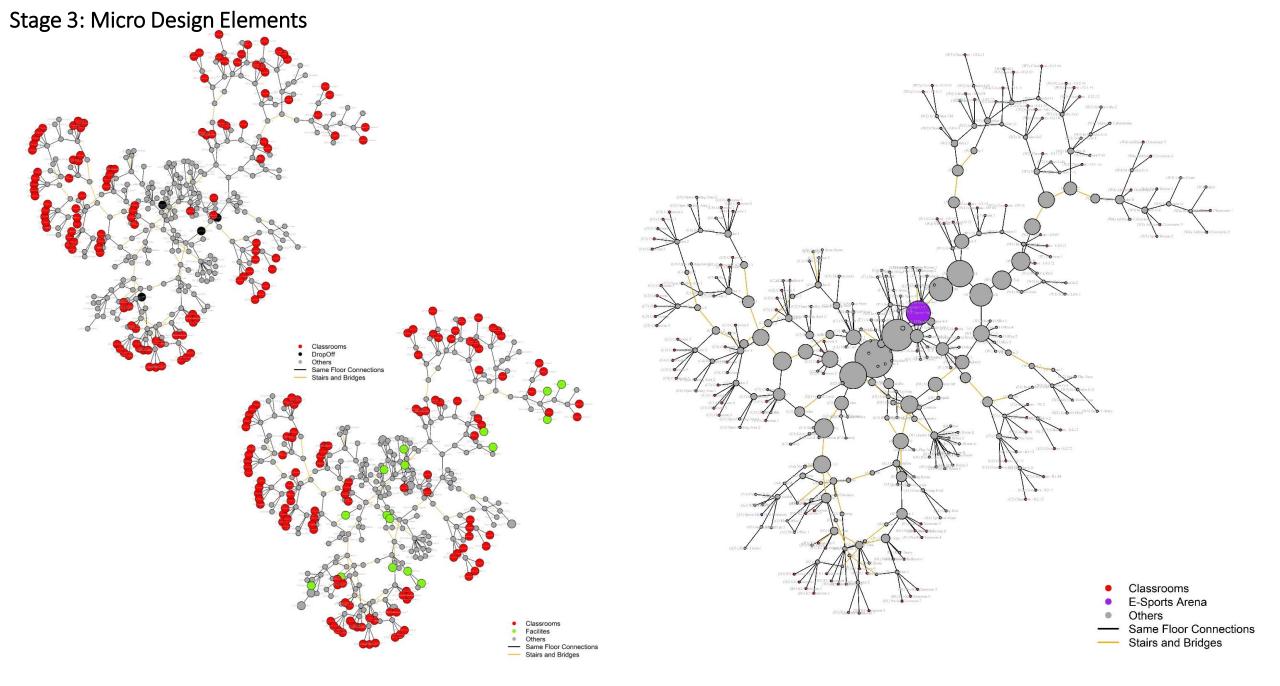
Stage 2: Macro Design Plans (A1, B1, B2)



(A1) Development of new blocks to house more learning facilities



(B1) Re-assigning of classrooms for different education levels and having a (B2) Distinct Brand Separation for both schools with controlled crossovers



(C1, C2, C3) Placement of Shared Facilities, Drop-offs and E-Sports Arena