

		Stages	November			December				January				February				March				April				May				June						
		Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
		Start	14/11	21/11	28/11	05/12	12/12	19/12	26/12	02/01	09/01	16/01	23/01	30/01	06/02	13/02	20/02	27/02	06/03	13/03	20/03	27/03	03/04	10/04	17/04	24/04	01/05	08/05	15/05	22/05	29/05	05/06	12/06	19/06	26/06	03/07
			P1										P2 25									P3 31 - 06							P4 15-1					P5 19 - 7		
Consults	Main mentor : Thaleia Second mentor : Michela																																			
State of the art	Housing typologies and sesitivity parametres																																			
	Ownership characteristics and budget																																			
	LT ready refurbishment strategies																																			
	Renovation measures KPI																																			
	Occupancy behaviour uncertainty reduction																																			
	Surrogate model workflow																																			
Simulation set-up and training data collection	Select base dwellings to collect geometrical data- and building characteristics																																			
	Set up honeybee model in grashopper :- base situation																																			
	Define refurbishment technical input parameter range and limitations																																			
	Define refurbishment output parameters																																			
	Define cost output parameter : gathering cost database																																			
	Validate initial model : Run simulation check																																			
	Famiarise with sampling method for design space																																			
	Run and store input and output simulation results																																			
Surrogate model training and evaluation	Familiarise with mode frontier																																			
	Load data and choce optimum response surface training algorithm																																			
	Chose optimum response surface																																			
	Validate response surface and evaluate																																			
Optimization and post processing evaluation	Filter 1: Run optimisation using response surface																																			
	Validate optimised results with a small simulation set																																			
	Initial selection of strategies in pareto front																																			
	Filter 2 : Post process cost																																			
	Post-refurbishment behaviour result																																			
Consolidation and documentation	Categorise refurbishment packages																																			
	Interface mockup																																			
	Report finalization																																			
	Finlaised presentation																																			