Finite Element Based Structural Analysis Project

Owner : Dept of Civil Enigneering

Project Start Date	3/15/2019 (Friday)	Display Week	1	
Project Lead	Dr.Kushan Wijesundara			

Week 1 11 Mar 2019	Week 2 18 Mar 2019	Week 3 25 Mar 2019	Week 4 1 Apr 2019	Week 5 8 Apr 2019	Week 6 15 Apr 2019	Week 7 22 Apr 2019

WBS	TASK	START	END	DAYS	% DONE
1	**Milestone 1**		-		
1.1	Discussion with the civil department	Fri 3/15/19	Thu 3/21/19	7	100%
2	**Milestone 2**		-		
2.1	Structure level(Assembling the Matrix)	Thu 3/21/19	Thu 3/28/19	8	100%
2.2	Element level (Per element: section resisting force & updated section stiffness)	Thu 3/21/19	Thu 3/28/19	8	100%
2.3	Section level(Material Model Structure)	Thu 3/21/19	Thu 3/28/19	8	100%
2.4	Learning Algorithem	Thu 3/21/19	Thu 3/28/19	8	100%
3	**Milestone 3**		-		
3.1	Structure level (Making newton rapson for force increment)	Thu 3/28/19	Thu 4/04/19	8	75%
3.2	Element level(Calculate Updated element stiffness)	Thu 3/28/19	Thu 4/04/19	8	75%
3.3	Section level(Defining standard material models)	Thu 3/28/19	Thu 4/04/19	8	75%
3.4	Learning Algorithem	Thu 3/28/19	Thu 4/04/19	8	75%
4	**Milestone 4**		-		
4.1	Structure level : Linear Analysis	Thu 4/04/19	Thu 4/11/19	8	100%
4.2	Section level: Linear Analysis	Thu 4/04/19	Thu 4/11/19	8	100%
4.3	Fiber level: Linear Analysis	Thu 4/04/19	Thu 4/11/19	8	100%
5	**Milestone 5**		-		
5.1	Structure level(merging all inputs,outputs and process)	Thu 4/11/19	Thu 4/18/19	8	0%
5.2	Element level (assemble and execute section level algorithem)	Thu 4/11/19	Thu 4/18/19	8	0%
5.3	Section level(assemble and final execution)	Thu 4/11/19	Thu 4/18/19	8	0%
6	**Milestone 6**		-		
6.1	Optimization of Structure level	Thu 4/18/19	Fri 5/31/19	44	0%
6.2	Optimization of Section level	Thu 4/18/19	Fri 5/31/19	44	0%
6.3	Optimization of Fiber level	Thu 4/18/19	Fri 5/31/19	44	0%