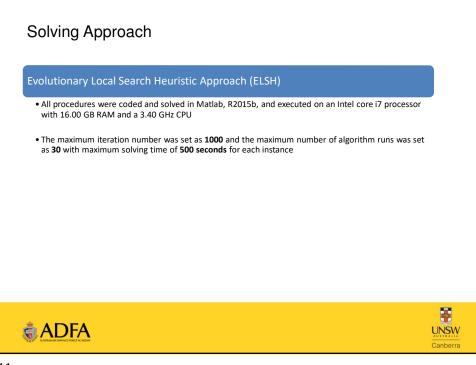
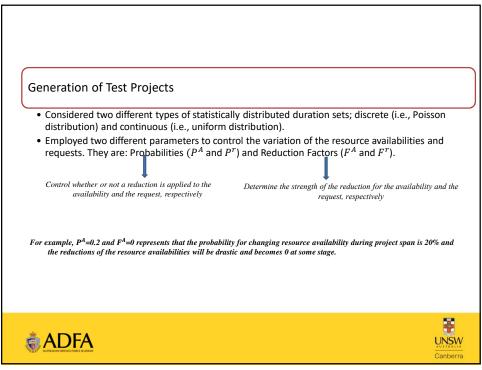


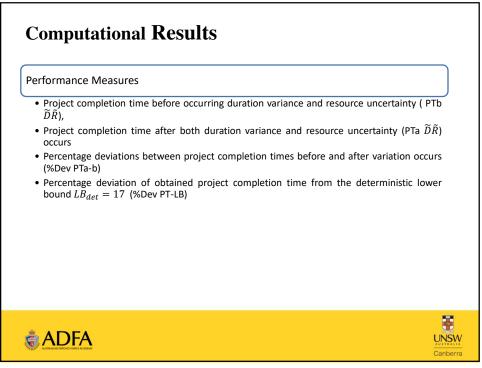
https://www.pgcs.org.au/library/2018/











arameters	$P^A = P^r$			$F^A = F^r = 0.5$		
Parameters	r = r = 0.05	$P^{A} = P^{r}$ = 0.1	$P^A = P^r$ = 0.2	$P^{A} = P^{r}$ = 0.05	$P^A = P^r$ = 0.1	$P^A = P^r$ = 0.2
PTb $\widetilde{D}\widetilde{R}$	149	142	133	152	147	142
PTa $\widetilde{D}\widetilde{R}$	162	176	201	145	150	160
Dev PTa-b	9%	24%	51%	-5%	2%	13%
6Dev PT-LB	38%	50%	72%	24%	28%	37%
PTb $\widetilde{D}\widetilde{R}$	149	142	133	152	147	142
PTa $\widetilde{D}\widetilde{R}$	186	198	229	171	169	174
Dev PTa-b	25%	39%	72%	13%	15%	23%
6Dev PT-LB	59%	69%	96%	46%	44%	49%
6	PTa $\widetilde{D}\widetilde{R}$ Dev PTa-b Dev PT-LB PTb $\widetilde{D}\widetilde{R}$ PTa $\widetilde{D}\widetilde{R}$ Dev PTa-b	PTA DR 162   Dev PTa-b 9%   Dev PT-LB 38%   PTb DR 149   PTa DR 186   Dev PTa-b 25%	PTA DR 162 176   Dev PTa-b 9% 24%   Dev PT-LB 38% 50%   PTb DR 149 142   PTa DR 186 198   Dev PTa-b 25% 39%	PTA DR 162 176 201   Dev PTa-b 9% 24% 51%   Dev PT-LB 38% 50% 72%   PTb DR 149 142 133   PTa DR 186 198 229   Dev PTa-b 25% 39% 72%	PTA DR 162 176 201 145   Dev PTa-b 9% 24% 51% -5%   Dev PT-LB 38% 50% 72% 24%   PTb DR 149 142 133 152   PTa DR 186 198 229 171   Dev PTa-b 25% 39% 72% 13%	PTA DR 162 176 201 145 150   Dev PTa-b 9% 24% 51% -5% 2%   Dev PTa-b 9% 24% 51% -5% 2%   Dev PT-LB 38% 50% 72% 24% 28%   PTb DR 149 142 133 152 147   PTa DR 186 198 229 171 169   Dev PTa-b 25% 39% 72% 13% 15%

UNSW

## Discussion

- Due to dynamic resource availabilities, any project may experience 0 units of resource at a certain period of time, which <u>impedes</u> the generation of active schedules for any schedule generation scheme packages
- For time-dependent resource demands, resource demands may sometimes become lesser than the planned demand, including even zero. Therefore, under this kind of situation, practitioners may experience <u>mixed impacts</u>, given that the project activities also exhibit stochastic nature.



