

WORKPLAN & TIMESCALE



(original)
note: we are
in week 27
now ie w/c
30th March

WP1	WP2	WP3	WP4	WP5
weeks 19 to 21	weeks 21 to 24	weeks 24 to 25	weeks 25 to 28	weeks 19 to 35
planning & research	conceptual design	embodiment design	detail design	documentation
✓ product alternatives and competitors	✓ product specification	specific frame component selection	FEA testing	✓ PSP
••• component study	✓ preliminary force analysis	wheels, brakes, etc. selection	optimising design for strength, weight, and cost	••• project log
✓ weight study	✓ evaluate available technologies	design interfaces/attachments	costing	•• presentation
✓ cost study	••• morphological chart **	CAD parts and assemblies	sourcing materials	technical drawings & BOMs
✓ geometry study	••• develop initial concepts	geometry adjustment tuning	functional prototype build *	build instructions
✓ regulations and standards	evaluate initial concepts	design different cycles from the kit	track test	report writeup (weeks 27 to 30)
✓ find available technologies (i.e. scaffolding, item)	develop final concept	scale prototype build	target audience feedback	presentation, poster & viva (weeks 31 to 32)

* should have been here
** actually here

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Due to the disruption caused by COVID-19, I am very behind schedule and have requested an extension of 6 weeks. I don't know whether it will be granted, and if it is it might not be the full 6 weeks. Plus, even if the full amount is granted I want to work towards a shorter deadline so I have a bit of a buffer time when things go wrong. I've revised the timescale to aim for report hand-in in week 34 instead of week 31 (ie. 3 week extension) but this is subject to change.

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Excerpt from extension request form:

Unit Code	Unit Name	Original Deadline	Requested Extension Deadline (please note, this is only indicative of your request and cannot be guaranteed)
ME40321	Engineering project (Assessment 3. Final Project Report)	16:00 on Wednesday 29 th April 2020	16:00 on Wednesday 10 th June 2020 (or later if feasible, as much as allowable really)
ME40321	Engineering project (Assessment 5. Final project presentation, viva voce examination and poster presentation)	(latest permissible presentation date) Tuesday 12 th May 2020	(latest permissible presentation date) Tuesday 23 rd June 2020 (or later if feasible, as much as allowable really)
<i>(note that the Mechanical Engineering graduation was scheduled on Tuesday 14th July at 10am, so even if the ceremony still takes place, the proposed extension deadline still leaves exactly 3 weeks before the ceremony)</i>			

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COVID-19)
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✓ geometry study	••• develop initial concepts	geometry adjustment tuning	functional prototype build?	build instructions
✓ regulations and standards	evaluate initial concepts	design different cycles from the kit	track test?	report writeup (weeks 28 to 34)
✓ find available technologies (i.e. scaffolding, item)	develop final concept	scale prototype build?	target audience feedback	presentation, poster & viva (weeks 34 to 35)