Important dates for the project schedule and deadlines

The following table contains the tasks and deliverables and their respective deadlines, milestones and evaluation criteria.

Project schedule, output and objectives

Date	Activities	Output/target/milestone	Done
(2019)			?
June 3 rd	Project kick-off, initial communication, share	Agreement between mentor and mentee on project	
	ideas and project organisation.	parameters. Delivery of the project planning	
		document draft (this document).	
June 14 th	Establish working practices, set communication		$\sqrt{}$
	schedule, agree on outputs/targets and milestones		
June 25 th	Perform an analysis based on literature review to	Written confirmation (in the form of an outline) that	$\sqrt{}$
	consider the systems, architecture sand	HLF is a suitable blockchain platform for use on C&E	
	configuration tested in projects and compare	projects and that Hypeledger Composer	
	these to the working model described in this	("Composer") is suitable for creating the business	
	plan.	model and managing the network.	
June 28 th	Literature review analysis to include the basic	Academic output: Outline for a paper that	1
	concepts on the automation of C&E projects and	describes the selection and architecture requirements	
	HLF and Composer.	and design specifications based on a comparative	
		analysis.	
July 1st	Final outline system design, architecture and	Final design for the commercial process used for	
	configuration.	this project.	
July 5 th	Define the nodes and members of the system.	Academic output: Outline for a paper that	$\sqrt{}$
		describes the membership management system.	
July 10 th	Finalise the membership system (as refined based	Academic output: Outline of a paper that justifies	$\sqrt{}$
	on this paper) and apply business logic using	the use of Composer as the optimum tool for	
	Composer and chaincode in Fabric.	defining commercial models for C&E projects.	
	Learn how to configure access control in	Academic output: why should we use Hyperledger	1
	Composer and linkage between access control in	Composer for creating and managing business	
	Composer with member service provider (MSP)	network.	
	in Fabric.		
July 12 th	Based on the above work, produce an outline	Academic output:	$\sqrt{}$
	schematic for current architecture blockchain	- Add schematic of blockchain system of	
	system of C&E. Start to code the architecture	C&E to specification.	
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	with a trial network setup.	- Create github for storing code and	
		documents	
July 18 th	Add the results and submit as the first milestone.	1st Evaluation and report	1
July 23 th	Based on specification and requirements for	Output: model file (.cto)	1
	system, define assets		,
July 26 th	Based on outline of the membership management	Output: Access control rules (.acl)	1
	system, define access control for participants		,
Aug 2 nd	Based on actions of participants, define use	Output: use case tables	V
	cases.		
Aug 6 th	Based on use cases, assets, life cycle of	Output: gather transaction definition, assets and	1
	transaction and ledger states, define transaction.	participants to create a model file (.cto)	
Aug 10 th	Implement logic (smart contract) and query	Output: Transaction Function (.js) and query file	1
	definition.	(.qry)	
Aug 27 th	Package business network definition.	Output: archive file for business network definition	1
		(.bna)	
Aug 29 th	Add the results and submit as the second	2 nd Evaluation and report	1
	milestone.		
Sept 16 th	Based truth relationships, define channels and	Output: crypto-config.yaml, configtx.yaml and	1
	nodes in hyperledger fabric network.	connection.json	
Sept 23 rd	Test hyperledger fabric network with different		1
	types of orderers (single orderer, Raft, Kafka)		
Sept 27 th	Deploy business network of hyperledger		1
	composer on hyperledger fabric.		
Oct 7 th	Generate REST APIs for business network		1
Oct 10 th	Evaluate pilot project and provide improvements.	3 rd Evaluation and report	1
Oct 18 th	Based on use cases, define test cases.		1
Oct 12 th	Test system by using REST APIs		1
Nov 15 th	Final synthesis of project outputs.	Final evaluation and report	1