

Content Required for Deliverable 1: Minimum 2 maximum 3 project proposals: each should include:

- Description of the project and key functionalities.
- Justification on how the proposed system aligns with the theme.
- Preliminary design (block diagrams, flowcharts, etc.).
- Justification on how the proposed system aligns with requirements and constraints.
- Estimated prototyping (parts) and labor cost.
- Prospective market and impact.

Marking Guide:

0-3: Very Poor - Most of the criteria is not met.

4-6: Poor - While most criteria are met, it is not of a satisfactory standard.

7-9: Average- All criteria are met to an acceptable level.

10-12: Good - All criteria are met and the presentation is of a good standard.

13- 15: Very Good - All criteria are met and the presentation is of a very good standard.

Themes:

The development of products interfaced to the Internet that make use of sensors, actuators, display and programmable devices, i.e., Internet of Things (IoT) and their applications.

In transport and traffic management

In health (aged care – dementia etc.)

In manufacturing industry (IR 4.0)







In humanitarian engineering (low-cost engineering solutions for those in need)

Parking detection and resources sharing systems using electrical systems

Electrical devices that enhance student learning in years K-12







Reduce, Reuse, recycle: Promote a 'green' behavior by minimizing the impact of mankind on our planet (e.g. waste, pollution, energy, natural resources. The theme aims to minimum electrical power usage and maximum functionality.

Similar IOT applications above





ECTE250 DELIVERABLE 1 PROPOSAL PRESENTATION	Structure: presentation flow, timing, inclusion of introduction, main body and conclusion. Group marks: 5 marks	Content: See attachment Group marks: 15 marks	Visual Aids: Appropriate use of diagrams and illustrations. Group marks: 5 marks	Questions: Ability to answer questions clearly and concisely by all team members. Group marks: 5 marks	Total group marks 30 marks	Individual marks Criteria: Was the oral delivery fluent, clear and audible? Was the presentation style independent of notes or text on slides? Was the presenter engaged with the audience and were contents presented interestingly? Individual marks: 10 marks
	5 /5	14 /15	5 /5	5 /5	29 /30	TEAM 2
Comments - Well researched work. - Organised presentation. <u>Auxilium</u> : Demanding aspect is ensuring it is built to last under real-world conditions. It may experience wear and tear over time due to constant usage (ex: climbing). So ease of maintenance to be taken care for safety. - Need to account for individual variations, body pattern and movement style					Ananya Vadlamani  9 /10 Comments	
					Neha Shababudeen  9 /10 Comments	
					Dana Alhafidh  9 /10 Comments	
					Taha Parker  10 /10 Comments	
Which project should be selected? (Aligned with theme and requirements, feasible within allocated time and budget)					Ayman Rafiq  10 /10 Comments	
					Mohammad Ali  9 /10 Comments	

MARKER'S NAME:

DATE: 27 JANUARY 2025






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	/5	/15	/5	/5	/30	TEAM 5		
	Comments					Abubakar Shihabdeen		8 /10
						Comments		
						Mayank Tadepalli		9 /10
						Comments		
						Nuam Habibi		9 /10
	Comments							
	Jan Ledesma		8 /10					
	Comments							
Which project should be selected? (Aligned with theme and requirements, feasible within allocated time and budget)					Shannen Godinho		9 /10	
Comments								
Saad Mohammed		9 /10						
Comments								






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	4 /5	13 /15	5 /5	4 /5	26 /30	TEAM 7
<p>Comments</p> <p>Medicine dispensing VM: - If user is not aware of the medical terms and contents, if a malfunctioning happens, it's a threat for life. - Ensuring privacy of patient data, and following legal protocol is a significant challenge. <u>Regenerative</u> breaking:</p>	Atif Rassiwala		8 /10	Comments		
	Rana Nagi		9 /10	Comments		
	Shayaan Katib		8 /10	Comments		
	Albin Vaidya		8 /10	Comments		
Which project should be selected? (Aligned with theme and requirements, feasible within allocated time and budget)						

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	4 /5	13 /15	4 /5	4 /5	25 /30	TEAM 9
Comments 1. Waste: After identifying and categorising, how the segregation happening from a single bin? Please clarify the mechanical aspect as well. 2. Robot:					Leul Tilahun	9 /10
						Comments
					Naveen Rasheed	7 /10
						Comments
					Johan Varghese	7 /10
						Comments
					Mohamed Aly	8 /10
						Comments
Which project should be selected? (Aligned with theme and requirements, feasible within allocated time and budget)					Keren John	

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	4 /5	13 /15	3 /5	4 /5	24 /30	TEAM 11
Comments					Bilal Ayyad	8 /10
<p>1 FORGE:</p> <p>2: Holopad:</p> <p>Revise and organise the contents and style of organising the topic in power-point to have more effective presentation. Use appropriate diagrams in each slide.</p> <p>Which project should be selected? (Aligned with theme and requirements, feasible within allocated time and budget)</p>						Comments
					Michel Habib	8 /10
						Comments
					Aditya Salian	7 /10
						Comments
					Muthana AlSirhan	8 /10
						Comments
					Sandro Jubran	8 /10
						Comments