[Embedded Systems Workshop - UG2] Re: Final Announcements

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Re: Final Announcements
by Ruthwik Muppala - Tuesday, 6 December 2022, 3:02 AM

For avoiding unnecessary queries and overcrowding during the paper showing, here are a few pointers / disclaimers.

- The project question has been corrected by your respective TA mentor. The papers will be sorted according to TA as well. Any queries in this question should be addressed accordingly. However, all TAs might not be available for paper showing tomorrow.
- The key for MCQs and T/F questions is as follows. For MCQs, partial marking has been awarded. Additionally, make sure you read the instructions about negative marking before approaching the TAs about these questions. Negligence on your part will be penalized.

1. a,d
2. b,c
3. a,d
4. a,b,c
5. a,b,c,d
6. a
7. c
8. b
9. c
10. b,c
11. T
12. F
13. T
14. T
15. F
16. T
17. F
18. F
19. F
20. T

(TBC in the next post).
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[Embedded Systems Workshop - UG2] Re: Final Announcements

RM

To: Gowlapalli Rohit

Tue 12/6/2022 3:21 AM

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Re: Final Announcements
by Ruthwik Muppala - Tuesday, 6 December 2022, 3:19 AM

Question 21 has been corrected by Suhas (oneM2M parts) and myself (rest). For the UART, LoRaWAN, and 802.11ah questions, these are the rough points I expect in your answer. If you lost marks in these questions, it is probably due to missing out on these points. There might be oversights on my part that I will be happy to adjust. However, if you approach me about lost marks that can be already concluded from the points below, you will be penalized.

- UART

1. Asynchronous
2. Serial
3. Equal Baud Rate
4. Start and Stop Bits
5. Only 2 devices

- LoRaWAN

1. Long range and low power
2. MAC layer upon LoRa
3. Low data rates
4. Class A, B, C - elaborate about latency, energy, uplinks, and downlinks
5. Frequencies used

- IEEE 802.11ah

1. Modification / scaled down version of Wi-Fi
2. Sub GHz operation
3. TWT, continuous connection to AP, etc.
4. Comments on range, power, etc.

Additionally, the words "low" and "high" mean nothing if you do not specify the context or comparison. The question was about terminologies, not applications or use cases. Marks will not be given for such filler content in your answer.

Ruthwik M
Head TA