2nd Lebanon Raspberry Pi Competition Guidelines

Timeline and deadline for:

- submit the title of the project by **February 15th**

- submit the project description by **February 28th**

- get support: up to two weeks left to review, get feedback and correct projects, **February 28 till March 15**

- submit the project video or PPT: **March 16th**

Meetings and working sessions:

- Sat Feb 17, 2018

- Sat Feb 24, 2018

- Sat Mar 10, 2018

- Sat Mar 17, 2018

Eligibility and Criteria for participating:

To be eligible teams should submit the following:

- A 1.30 min video or a 6 slides PPT.

- The project description should be filled online on IEA platform: codermaker.iea.org.lb

- The project wall should show evidence of students work according to the following steps:

    - The project design (pictures should be uploaded)

    - Evidence of students work and progress (pictures and updates of progress)

    - The final projects' code should be uploaded

    - Total expenditure of the project listing the equipment used and their costs

    - Contribution of each team member to the project

    - Does not exceed 500$

    - 60% of the code is on the RPi

What should the project wall include?

- **Title**: no errors (with capital letter etc)

- **Short 2-line description**: What is the project about?

- **Short paragraph description**: What is the project, what is the problem it addresses, what is the solution proposed: (what it does), why it is important and to who it is important, how they did it: (the functionalities) the challenges and how they faced them, what is the potential of it becoming real.

- **The steps you followed:** Question, Research, Design, Pictures of how the project evolved, the code, reflections and next steps

- **Team name and communication** (comments and reflections)

- **Pictures**: students at work, the design, the project

- **Code**: final code working

Presentation (6 Slides) **or Video** (1:30 min):

Slide 1: Opening slide: School name, group name and project title

Slide 2: The Problem: What is the problem you are trying to address? What is the question you have defined?

Slide 3: Why? Why is the project important, and who will your project help?

Slide 4: The solution: How does your project help to answer the question and help those it serves?

Slide 5: Functionality and pictures or short video snapshot of the project working Technically, how did you do it?

Slide 5: Commercial and entrepreneurial potential: Can the idea can be further developed; does it have the potential to be accessible to a wide audience?

Slide 6: the team: R&R Who is on the team? who did what?