

## STEAM Education Wizard for FENTECS

### About FENTECS

The IDIN Costa Rican Chapter is a diverse group of IDDS alumni and friends who are passionate about using innovation as a tool for development in Costa Rica. The IDIN Costa Rican Chapter works to facilitate collaborative spaces that enhance linkages between social realities and technological-scientific innovation through active learning experiences. This goal currently takes the form of a one-of-a-kind event called FENTECS, Costa Rican National Fair of Social Technology.

**FENTECS** is a hands-on one-day-long event that promotes creative thinking and innovation in science and technology as tools that children and youth can utilize to address topics that they consider relevant in their community. The methodologies used in the event are the result of a 4-month long diagnostic and co-creative process in the urbano-marginal community of Pavas that aim to facilitate experiential understanding of the connection between science and technology and the everyday life of the community.

**FENTECS** is the first event of its kind that will be held in Costa Rica, and it has been declared of national interest by the Costa Rican Ministry of Science and Technology. Current organizers include: Fundamentales Organization, National Instruments, Costa Rican Ministry of Youth, Culture and Sports, Costa Rican Ministry of Science and Technology, and Aprender Haciendo.

### About the Job

FENTECS is looking for a STEAM Education Wizard to help design an engaging and interactive STEAM education curriculum for children and youth. The candidate must be able to create methodologies, workshops, and experiences that awaken the curiosity and innovation in children and teenagers aged 7 to 18 from the peri-urban marginal community or PAVAS through the 3-month diagnostic process leading up to the Fair. The FENTECS STEAM Education Wizard will work closely with the rest of the organizing team, as well as Fundamentales, our community partner, and the community of Pavas.

The position will primarily be located in San Jose, Costa Rica. The applicant is expected to perform field visits to the event's location in La Sabana, visit partners and other relevant organizations in various locations throughout San Jose, and work with our community partners in Pavas, a peri-urban marginal community.

### Goals

Goals for this position include:

- To create an environment in the months leading up to the FENTECS Fair where children and teenagers can be dazzled by the magic of science and technology and the power of innovation to transform realities.
- To facilitate processes of engagement and learning of STEAM topics in children and teenagers of the community of Pavas in relation to their social innovation experiences and day-to-day realities.

- To utilize and potentially design methodologies that consider and incorporate the particularities and characteristics of the population and context of the community of Pavas.

## ***Qualifications***

The candidate will have skills in the following areas:

1. Experience, ability and/or interest in technical aspects of STEAM subjects.
2. Interest, experience and/or education, in areas of anthropology, psychology, social work, or other related fields.
3. Fluent or intermediate Spanish.
4. Self-directed, proactive, and able to function effectively and independently.
5. Innovative, creative, and willing to experiment.
6. Flexible and able to quickly adapt.
7. Passionate about innovation and community work.
8. Hands-on fabrication skills.
9. Previous experience working or living in a developing country is a plus, but not required.

## ***How to Apply***

Please send a resume or CV and a statement of interest to Tachmajal Corrales at [tachmajal@gmail.com](mailto:tachmajal@gmail.com) and IDIN at [idin-opportunities@mit.edu](mailto:idin-opportunities@mit.edu).

This is a full-time voluntary position, but we would be happy to work together with the candidate to apply for whatever other finances could be obtained to support them during the period. In addition, MIT students may work with the project Manager for assistance in identifying potential funding sources. The position will last for about 2-4 months and will preferably start from June to October 2016.