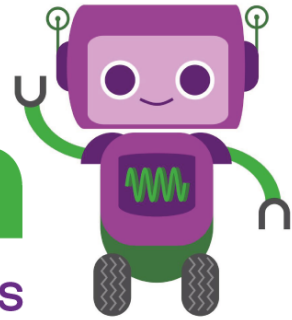


roboteam

Apreniendo a programar juntos



A Project from:



Supported By:



What is RoboTeam Project?

RoboTeam Project is an initiative of volunteers from the IEEE Women in Engineering Argentina group that seeks to encourage scientific-technological vocations in children, using programming and robotics, playful exercises and motivational activities.

The objective is to promote integration and diversity, from the point of view of gender and socio-economic, by presenting them a creational alternative technology, which can positively influence their future professional choice in Engineering. In particular, we focus on children who do not have access to this type of activity in schools, giving them a fun first approach to technology, as a pedagogical alternative.

How we work?

- **FREE Workshops for children from 8 to 10 years old**
- **Call for pre-registration through social media open for the whole community**
- **We prefer a diverse environment (gender, different social, cultural and economics background)**
- **4 lessons conducted for mixed teams (50% boys and 50% girls)**
- **5 kids per Robot + Notebook with a dedicated Instructor**
- **We use LEGO Mindstorm EV3 robots**
- **3 Planned Editions: April, July, October (1st Edition: 7, 14, 21 and 28 of April 2018)**
- **All Instructors are IEEE/WIE/IAS volunteer members (students and professionals)**

Contents

- **Integrative Playful Activities: "Icebreaker" exercises, logical thinking.**
- **Introduction to Robotics: laws, history, commercial and industrial uses**
- **Fundamental parts of a Robot: basic notions of motors and sensors**
- **Computational thinking skills:**
 - Creativity: thinking and analyzing "out of the box"
 - Algorithmic thinking: define instructions and sequences
 - Perseverance and tolerance: error as part of the learning process
 - Decomposition: big problems in small parts that facilitate their resolution
 - Abstraction and generalization
- **Programming by visual interface: LEGO Mindstorm EV3**
- **Motivational Talk: What does an engineer do?**
- **Integrative work: As a team, everything is better**
- **Parent support: we continue programming at home**

Institutions & Organizations that cooperate with us

- Universidad Tecnológica Nacional – Facultad Regional Buenos Aires – Sede Medrano
- Educación Tecnológica (Representante de Lego Education)
- Mumuki
- Medallia
- Las de Sistemas
- Women Techmakers

Voluntarios

| Volunteer | University | Carreer |
|-------------------------|---|--|
| Pía Torres | Universidad Nacional de Tucumán | Graduado Ing. Electrónica |
| Romina Fairbairn | Universidad Favaloro | Biomédica |
| Alejandra Estrella | Universidad de la Policía Federal Argentina | Lic. en Seguridad en Tics - Analista de Sistemas |
| Mariano Ratto | Universidad Favaloro | Graduado Ing. Biomédica |
| Belen Torres | UTN FRBA | Electrónica |
| Pablo Garcia | UTN FRBA | Electrónica |
| Agustin Rovero | ITBA | Mecatrónica |
| Cristian Bozzi | UNSAM | Historia |
| Oscar Varela | UTN - FRBA | Electrónica |
| Juan Gremes | ITBA | Electrónica |
| Damian Jerman | UTN - FRBA | Electronica |
| Silvia Monica Gutierrez | UTN - FRBA | Sistemas |
| Jonathan Aguirre | UTN - FRBA | Lic en informatica(Tec. Progamacion/sistemas) |
| Samara Bautista | Universidad Favaloro | Biomédica |
| Agustina Thibaud | Universidad Favaloro | Biomédica |
| Celeste Longo | UTN - FRBA | Graduado Ing. Electrónica |
| Nestor Mouriño | UTN - FRBA | Química |

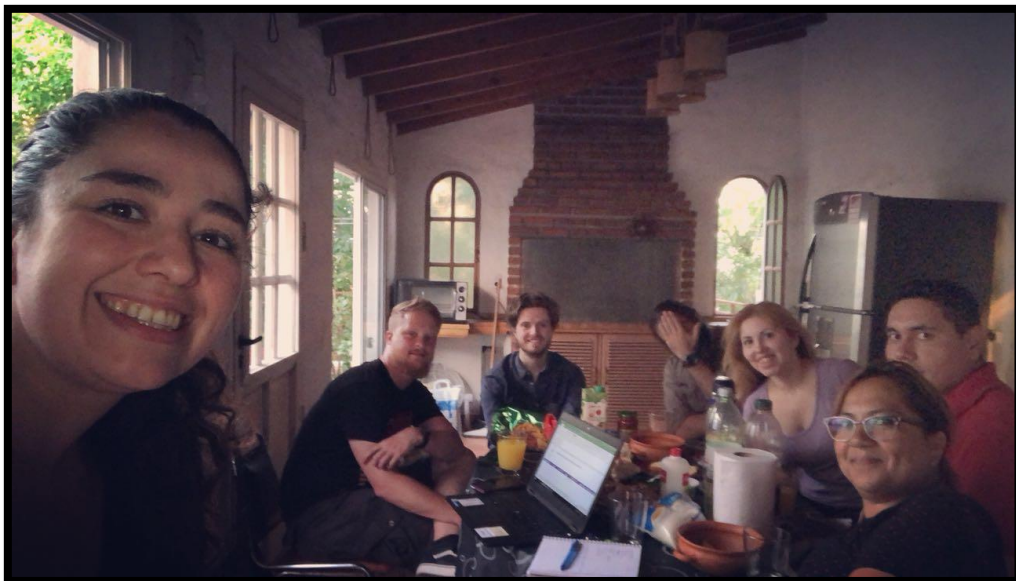
Contact and Social Media

- ✓ E-mail: proyecto.roboteam@gmail.com
- ✓ Instagram / Facebook / Twitter: @roboteamoficial

RoboTeam in Images



Integration and Coaching Meeting – December 2017



Planification Meeting 2018 – January 2018



Branding Meeting – January 2018



Planning and Pedagogical Meeting – February 2018



1st Course Planning – March 2018