



## WORK OFFER

Ref. No. AR-2020-25-FRSF

---

### Employer Information

**Employer:** Universidad Tecnológica Nacional - FR Santa Fe  
Lavaise 610  
  
S3004EWB Santa Fe City  
Argentina

**Website:** <http://www.frsf.utn.edu.ar/>  
**Location of placement:** Santa Fe city, Santa Province  
**Nearest airport:** Aeropuerto Metropolitano Santa Fe - Sauce Viejo  
**Working hours per week:** 40.0  
**Working hours per day:** 8.0

**Number of employees:** 0

**Business or products:** Education and Research

---

### Student Required

**General Discipline:** 14C-ELECTRICAL AND ELECTRONICS  
ENGINEERING

**Completed years of study:** 3

**Field of Study:** 14.1001-Electrical and Electronics Engineering

**Student status requirements:** not required

**Language required:** English Good Or  
Spanish Good

**Required Knowledge and Experiences:**

Knowledge in power systems.

**Other requirements:**

---

### Work Offered

Initially, the student will review general information about the size and operation of distributed renewable generation systems type solar photovoltaic, wind and biomass. Then, he/she will investigate the battery-based auxiliary storage equipment and FACTS devices to incorporate on distributed generation systems in order to reduce voltage and power fluctuations. A Medium voltage conventional distribution network will be selected with the aim of its computational modeling with specific power systems software and the subsequent analysis of the integration therein of renewable distributed generation systems.

Subsequently we'll analyze variations in the short circuits powers of the network and coordination of protections.

**Number of weeks offered:** 8 - 8

**Working environment:** Research and development

**Within the months:** 03-AUG-2020 - 30-NOV-2020

**Gross pay:** 20000 ARS / Month

**Or within:** -

**Deduction to be expected:** none

**Company closed within:** -

**Payment method / time of first payment:** Cash / Monthly

**Latest possible start date:**

---

### Accommodation

**Canteen at work:** No

**Expected type of accommodation:** Student dormitory

**Estimated cost of lodging:** 10000 ARS / Month

**Accommodation will be arranged by:** The university

**Estimated cost of living incl. lodging:** 20000 ARS / Month

---

### Additional Information

---

### Nomination Information

**Deadline for nomination:** 15-MAR-2020

**Date:** 30-JAN-2020

**On behalf of receiving country:**

Luciano D Ascenzo