Application Summary:

Process: IEEE Foundation Grant Application

Mecatronichs Engineering Week

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Form: IEEE Foundation GA V6

Q1: Project Title*
What is the title of your project?
[50 characters allowed]

Answer(s):
Third Mechatronics Engineering Week – University of Brasilia (UnB), Brazil

Q2: Name the organization requesting the grant.*
NOTE: If this grant is awarded by the IEEE Foundation, the grant will be paid to the organization named here.
[300 characters allowed]

Answer(s):
Mecajun – Mecatrônica Júnior de Brasília. Mecajun is the Mechatronics Junior Enterprise from UnB. It is a civil association without lucrative purposes, constituted by 48 volunteers students and oriented by engineering professors. To know more, visit www.mecajun.com.br.

Q3: Organization Type*
Select the one answer from the list below that describes your organization.

Answer(s):
Mecajun is a Brazilian civil association without lucrative purposes. The IEEE Centro-Norte Brazil Section and the UnB Student Branch support this activity.

Q4: Grant Amount Requested*
Enter the amount of the grant you are requesting from the IEEE Foundation (in US dollars). Round up or down to the nearest whole dollar. This MUST match the amount shown on the Project Budget.

Answer(s):
US $5,000.00 (One Platinum Sponsorship)

Q5: Total Project Funding
Enter the total amount of funding needed to successfully complete this project (in US dollars). Round up or down to the nearest whole dollar. This MUST match the amount shown on the Project Budget.

Answer(s):
US $26,900.00
Project Details
Q6: Project Summary*
Describe your project, including why the project is needed, what will be achieved, who will benefit, and what are the benefits. Conclude with a statement of what impact your project will have in your area of interest.
**Answer(s):**

At the University of Brasília there are Academic Weeks that happen once a year. Anyone can participate, what makes them a great opportunity for the University population to exchange knowledge, creating a very rich environment.

One of the most requested is the Mechatronics Engineering Week which is organized by a victorious partnership between undergrad students and professors. This event consists of a series of lectures, expositions, short courses, technical visits and debates, and will happen between September 17th and 21st of 2012, during the University’s Extension Period - a class-free week – making it possible for every student to participate.

The lectures can provide students with a way to get to know the main companies in their field, as well as all about the state-of-the-art research that is developed by the University and outside professors. The debates between engineers, students and guest governmental representatives discuss the reality of the engineering market and are very important to instigate students to behave proactively on pressing the University to improve.

The expositions show the public all about our Competitive plane design and robotics Teams, as well as our engineering Junior Enterprises. The technical visits will take the participants to Industries and Governmental Institutions that are relevant to the Automation and Control field. The short courses are taught by guest professors or even company representatives on themes of interest of our public, such as Cloud Computing, MRI improvement, Microcontrollers, etc.

As an engineering branch that involves many different areas, Mechatronics has subjects that interest grad and under-grad students from most other branches, attracting a public from all technological areas. The Mechatronics Engineering Week isn’t, therefore, only a space do display innovations on Automation and Control fields; it is mostly, a great window of opportunities. To know more, visit us at [www.3semeca.unb.br](http://www.3semeca.unb.br).

**Q7: Provide detailed demographic information about the beneficiaries of the project.***

Include information about the number of people that will benefit, and the geographic areas to be impacted. As applicable, provide educational level, gender, age group, etc.

[800 characters allowed]

**Answer(s):**

Last year we had over two hundred and fifty participants, amongst teachers, grad and under-grad students, of all technological areas – engineering, computer science, physics, etc. This year we expect an even greater range – at least three hundred and fifty people - by opening the event to high school students, in order to provide them with information about the technological field, which is, most of the
time, and unknown area for them. The participants are mostly residents of Brasilia (Brazil’s Federal District), though many of our students come from all over the country (we’ve had participants from São Paulo, Campinas, Fortaleza, Belo Horizonte, Belém, and other major Brazilian cities, in the past two editions) and there’s even a fair amount of international students. The public is constituted by men and women (mostly men): high-school students by the ages of 13 to 17, engineering students by the ages of 16 to 30 and professors by the age of 28 to 70.

**Q8: Describe how your project relates to the areas of interest of IEEE.**

The areas of interest of IEEE are: Engineering; Computer Sciences and Information Technology; Biological and Medical Sciences; Mathematics; Physical Sciences; Technical communications, education, management, law and policy.

**Answer(s):**

This event focuses on *education, engineering and information technology*, since it exposes student projects and provides complimentary courses on technological subjects. IEEE Centro-Norte Brazil Section and the IEEE UnB Student Branch will be there and it and will be a good chance to students to get interested in joining the IEEE Control Systems Society and the IEEE Robotics and Automation Society.

**Q9: Project Timeline and Milestones**

State the sequence of steps, with projected dates, that you plan to carry out to complete your project.

**Answer(s):**

31/10/2011 - 16/11/2011
- Logo elaboration - Done
- Sponsorship Plan elaboration - Done
- High Schools presentation elaboration - Done
- Visual identity elaboration - Done
- List the collaborating professors - Done

16/11/2011 - 03/12/2011
- Website construction - Done
- Facebook page construction - Done
- Start contact with professors - Done
- Allocate organizers to establish contact for sponsorships - Done
Allocate organizers to establish contact for technical visits - Done

03/12/2011 - 10/12/2011
Contact companies (sponsorship) - Done
Contact companies (technical visits) - Done
Allocate organizers to establish contact with partners - Done

12/12/2011 - 02/03/2012
Contact companies (sponsorship) - Done
Contact companies (technical visits) - Done

05/03 - 16/03
Reserve auditoriums - Done
Reserve transportation for technical visits - Pending
Reserve rooms for courses - Done

19/03 - 30/03
List the hotels for the guest speakers/teachers

02/04 - 13/04
Applicants kit preparation

16/04 - 27/04
Contact partners

30/04 - 11/05
Contact partners
Reserve restaurants

14/05 - 25/05
Contact partners

28/05 - 29/06
Adjustments

02/07 - 24/08
Preparations and final party advertising
Intensive event advertising

27/08 - 07/09
Coffee break arrangements

10/09 - 21/09
Last Preparations
Q10: Project Evaluation*
Describe how you will measure that the project has been successful.
[800 characters allowed]

Answer(s):
After the event takes place we will ask the participants to answer an on-line satisfaction survey, where they will be able to grade the different aspects of the Week. They'll be able to evaluate the courses (quality, duration, content viewed, installations, etc.), the lectures (themes, companies chosen, quality of the speaker, infra-structure provided, etc.) and the technical visits, among others. There will also be an open space for any other consideration the participants may have. The project’s success can also be measured by the attendance obtained throughout the week and the repercussion afterwards.

Q11: Ongoing Activity*
If your project will result in an ongoing activity after the project is completed, explain how the ongoing activity will be supported. (Note: The IEEE Foundation does not normally provide ongoing financial support.)
[800 characters allowed]

Answer(s):
As an initiative carried out because of a students demand for an event that would broaden their contact with other technology areas and companies, the Mechatronics Week has a strong ground to continue growing. Since it happens every two years, in the meantime, many ongoing activities might be influenced by the realization of the event. Examples are: realization of other editions of the short courses initiated at the event, changes in the University financing police motivated by the discussions started, and even the growing interest of the students on joining the IEEE Control Systems Society and the IEEE Robotics and Automation Society, because of all the divulgation made by IEEE Centro-Norte Brazil Section and the Student Branch.

Other Project Information
Q12: Is this a new project?*

Answer(s):
No

Q13: Are you requesting funding from other organizations?*
Support by others is a positive indicator of the value of the project, but not required.

Answer(s):
Yes

Q14: Funding from other organizations.*
If you answered "Yes" to the previous question, list the other organizations, the amount requested from each, and indicate whether the funding is confirmed, received, or pending. If you answered "No", please type "None".

[800 characters allowed]

Answer(s):
Four Sponsorship shares were prepared, at a total of ten, as shown in the budget table:
2 Platinum Shares – US 5,000
2 Gold Shares – US 3,500
2 Silver Shares – US 1,600
4 Bronze Shares – US 800

An invitation was sent to all the following Companies for them to choose one of the possible shares:
Ambev, Embraer, FIAT, GE, Festo, IBM, Intel, Johnson’s Control, Microsoft, Mitsubishi, Petrobrás, Oracle, ONS (Operadora Nacional de Sistemas) – National Systems Operator, Bticino, Crestron.

The Company Rockwell Automation has already confirmed Gold Sponsorship Confirmed.

Q15: Project Partners*
Are you partnering with any other group or organization on this project?

Answer(s):
Yes

Q16: Project Partners*
If you answered "Yes" the previous question, enter the name(s). If you answered "No", please type "None".
[400 characters allowed]

Answer(s):
University of Brasilia (UnB) – partnership confirmed
IEEE Centro-Norte Brasil Section (the Executive Committee supports this activity)
UnB Student Branch (the students are voluntary to organize this event)
AIESEC – partnership confirmed
IME – Military Engineering Institute - proposed and pending
INPE – National Institute of Space Research - proposed and pending
ITA – Aeronautic Technology Institute - proposed and pending
USP – Sao Paulo University - partnership confirmed
University of Brasilia's other engineering Junior Enterprises - partnership confirmed:
   TecMec
   EngNet
   EneTec
   CJR
   Concentro
Project Budget

Q17: Project Budget*

Download the Project Budget form complete and upload.
[3 MB(s) allowed]

Answer(s):

Q18: Budget Justification*

Explain the need for the items listed as "Expenses" in your Project Budget.
[1500 characters allowed]

Answer(s):

- Graphic Material (Company: GH)
  - 600 folders, 300 posters, 1000 flyers, 3 advertisement bands

- Certificates (Company: GH)
  - Participation on the event
  - Short Courses

- Plane Tickets (Company: TAM – Star Alliance Airlines)
  - Brasilian astronaut Marcos Pontes CJH/BSB/CJH;
  - Tribute lawyer form Brasilian Bar Association José Allemand, VIX/BSB/VIX;
  - Engineer Doaldo Navai, former UnB student and founder member of Mecajun, CGH/BSB/CGH;
  - Professor Paulo Eigi Miyagi, CGH/BSB/CGH;
  - Professor Augusto Brusciapaglia, FLN/BSB/FLN;
  - Engineer Pablo Ibanez, CGH/BSB/CGH

- Participants Kit (Company Persona Brindes)
  - Shirt;
  - Name tag;
  - Bag;
  - Pen;
  - Note block

- Organizers Kit (Company Persona Brindes)
  - Shirt;
  - Name tag

- Accommodation and alimentation for lecturers (Estimate)
- Bus Rent for technical visits (Company *Fretados Associados*)
- Ending Ceremony and fraternization (Company *Funny Show Bar*)
- Coffee-Breaks (Company *Padaria Pepita*)
- Tribute Trophies for lecturers (Company *Persona Brindes*)
- Auditorium (projection and audio systems included) and Laboratories for short courses (computers and projection system included) - given by UnB
- Decoration
- Alimentation for Organizers (5 days, 1 meal per day, 50 organizers) (Estimate)
- Additional Expenses (Estimate)

**Project Team**

**Q19: Title***

*Answer(s):*

**Q20: First Name***

[50 characters allowed]

*Answer(s):*

**Q21: Last Name***

[50 characters allowed]

*Answer(s):*

**Q22: E-mail Address***
Answer(s):

Q23: Telephone Number*
[50 characters allowed]

Answer(s):

Q24: Mailing Address*
[1000 characters allowed]

Answer(s):

Q25: Title*

Answer(s):

Q26: First Name*
[50 characters allowed]

Answer(s):

Q27: Last Name*
[50 characters allowed]

Answer(s):

Q28: Is the Project Leader a member of IEEE?*

Answer(s):

Q29: Provide a professional biography of the Project Leader.*
[800 characters allowed]

Answer(s):

Q30: Title

Answer(s):
Q31: First Name
[50 characters allowed]
Answer(s):

Q32: Last Name
[50 characters allowed]
Answer(s):

Q33: Is the Second Team Member a member of IEEE?
Answer(s):

Q34: Provide a professional biography for the Second Team Member.
[800 characters allowed]
Answer(s):

Q35: Title
Answer(s):

Q36: First Name
[50 characters allowed]
Answer(s):

Q37: Last Name
[50 characters allowed]
Answer(s):

Q38: Is the Third Team Member a member of IEEE?
Answer(s):

Q39: Provide a professional biography for the Third Team Member.
Answer(s):

Q40: Title

Answer(s):

Q41: First Name
[50 characters allowed]

Answer(s):

Q42: Last Name
[50 characters allowed]

Answer(s):

Q43: Is the Fourth Team Member a member of IEEE?

Answer(s):

Q44: Provide a professional biography for the Fourth Team Member.
[800 characters allowed]

Answer(s):

Declaration, Certification and Authorization

Q45: First Name*
[50 characters allowed]

Answer(s):

Luisa

Q46: Last Name*
[50 characters allowed]

Answer(s):
Santiago

Q47: Declaration*

Answer(s):
I Agree
Files Summary

Process: IEEE Foundation Grant Application

Mechatronics Engineering Week

File Uploads
No files were uploaded.

PDF to Word