NYU-ASCE COMPANY
FUNDING PROPOSAL
2017-2018 Academic Year

ASCE Student Chapter
New York University
Civil Engineering Department
6 Metrotech Center
Brooklyn, NY 11201
Table of Contents

Letter from the Treasurer ...................................................................................................... 2
Chapter History and Goals ..................................................................................................... 3
Chapter Activities .................................................................................................................. 4
ASCE Concrete Canoe Competition ........................................................................................ 5
AISC Steel Bridge Competition ............................................................................................... 7
2017-2018 Tentative Budget .................................................................................................. 9
Sponsorship Benefits ........................................................................................................... 11
NYU Tandon School of Engineering ASCE Student Chapter 2017-2018 Sponsorship Form..... 12
Contact List ......................................................................................................................... 13
Letter from the Treasurer

To whom it may concern,

On behalf of the Executive Board and the members of the American Society of Civil Engineers Student Chapter at NYU Tandon School of Engineering (NYU-ASCE), I would like to thank you in advance for your support and generosity.

The NYU-ASCE chapter is a dedicated cohort of students striving to excel in the field of Civil Engineering. Our events, panels, initiatives, and colloquia motivate members in their academic pursuits and aid them in developing vital skill sets that will serve them well both during their college careers and after. Through this proposal, we would like to present our organization, our notable achievements, our motivations, and our goals for the coming year. Most importantly, we would like to extend the opportunity for your company or organization to support NYU-ASCE in achieving our goals for the 2017-2018 academic year.

Last year, NYU-ASCE was awarded the Certificate of Commendation, a student chapter award from ASCE given for conducting outstanding activities and contributing to the future of civil engineering. NYU-ASCE wants to maintain our tradition of excellence and we aim to improve our chapter to achieve higher goals and increase our offerings to students.

From technical competitions such as Steel Bridge and Concrete Canoe to leadership, professional and academic development events, by supporting our chapter, your company will have the opportunity to mentor our students and be engaged with the rising generation of eager and hardworking engineers with fresh and innovative ideas that advance and expand the civil engineering industry.

Furthermore, your support will increase your opportunities for hiring well-rounded, professionally-focused individuals while being given greater exposure to our campus and its representatives.

We look forward to establishing a strong relationship with your company. Enclosed you will find the NYU-ASCE Student Chapter 2017-2018 Sponsorship Form. We look forward to receiving the completed form and support. Additionally, NYU-ASCE is a non-profit organization, making all donations tax-deductible (Tax ID number: 13-5562308). Should you have any questions or concerns please contact Christian Cardenas, NYU-ASCE Treasurer at cc5294@nyu.edu or (917) 686-4435. Once again, thank you for your attention, time, consideration, and magnanimity.

Respectfully,

Christian Cardenas
NYU-ASCE Treasurer
Chapter History and Goals

NYU-ASCE was founded in 1921 as the American Society of Civil Engineers Polytechnic Institute of Brooklyn Student Chapter and has fostered the professional and technical development of aspiring civil engineers within the institution for 96 years and counting. Today, NYU-ASCE strives to achieve the same goal: to foster young talented professionals and encourage excellence in their respective fields. In addition to this, NYU-ASCE aims to prepare our members for entry into a career in civil engineering.

For the 2017-2018 academic year, it is in NYU-ASCE’s interest to pursue the following goals:

- Develop a long term and lasting relationship with our company sponsors.
- Continue to strive for recognition from ASCE and excel in chapter activities.
- Create close relationships between industry professionals, professors, and peers.
- Recruit and actively engage new members.
- Increase collaboration with professional organizations such as the National Society of Black Engineers (NSBE), the Construction Management Association of America (CMAA), the New York Water and Environmental Association (NYWEA), the Institute of Transportation Engineers (ITE), the American Association of Blacks in Energy (AABE), Chi Epsilon Civil Engineering Honors Society (XE), Tau Beta Pi Engineering Honors Society (TBP), and the Earthquake Engineering Research Institute student chapter (EERI).
- Collaborate with other student chapters in the metropolitan region.
- Introduce community service projects to encourage greater member involvement.
- Provide our members with networking opportunities, workshops, seminars and other activities focused on career and professional development.
Chapter Activities

Field Trips and Facility Tours

NYU-ASCE exposes its members to the professional environment by providing field trips and company tours to sites such as 242 W53rd Street with Structure Tone and with visits to working shops like the Sure Iron Works Steel shop. Many similar opportunities are being organized for the upcoming school year.

Professional Development Workshops/Lectures

NYU-ASCE organizes workshops covering an array of skills and topics, including career experiences and licensure, that inspire and motivate members and provide them with valuable industry insight. We host networking workshops, resume and cover letter workshops, interviewing skills workshops, along with guest and alumni speaker panels. These events also provide sponsors an opportunity to form a closer relationship with our students and share their knowledge and expertise.

Community Service

NYU-ASCE will organize community service projects with local parks and organizations to create lasting relationships with the neighboring community. Community service also gives NYU-ASCE the chance to collaborate with other student chapters to create a bigger impact.

Social Events

NYU-ASCE plans various social events to promote a peer collaboration and encourage greater involvement in other ASCE projects and initiatives. NYU-ASCE collaborates with other professional organizations on campus in organizing and executing events such as game nights, study breaks, and our annual Alumni BBQ.

Budget Breakdown

<table>
<thead>
<tr>
<th>Activity</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Club Fest</td>
<td>$200</td>
</tr>
<tr>
<td>General Body Meetings</td>
<td>$300</td>
</tr>
<tr>
<td>Social and Professional Events</td>
<td>$800</td>
</tr>
<tr>
<td>Competition Registration Fees</td>
<td>$700</td>
</tr>
<tr>
<td>Miscellaneous Events and Fees</td>
<td>$200</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$2,200</strong></td>
</tr>
</tbody>
</table>
ASCE Concrete Canoe Competition

Background

The ASCE National Concrete Canoe Competition is an annual student project in which hundreds of engineering universities from the US, Canada, and China design, construct, and race a canoe made from concrete. The competition encourages students to discover concrete’s versatility and explore innovative concrete technology. The project is evaluated on four categories: design paper, oral presentation, final product, and racing. A unique combination of skills and teamwork is vital in successfully undertaking the technical and logistical challenges of constructing a concrete canoe. It tests students’ capabilities in aspects such as concrete mix design, hull design, construction craftsmanship, project management, project scheduling, cost estimating, professional writing, presentation skills, physical fitness, and stamina. The Tandon team must first win the Metropolitan Regional Conference to advance to the National Conference, which represents the top 20 of roughly 200 engineering universities.

Awards & Goals

NYU Tandon is a regular participant of this competition. At the Regional Conference level, NYU Tandon placed 1st in 2016 and 2017. This year has been exceptional with a near-sweeping victory at the 2017 Regional Conference. Thanks to the generosity of our sponsors, for the first time in NYU Tandon history, the NYU Tandon Concrete Canoe Team placed first in all categories of the competition, advancing to the National Conference at the Colorado School of Mines in Golden, Colorado. NYU Tandon has also made great strides improving its national standings. This year’s design placed in the top-ten bracket, placing 8th overall.

With the excitement from our success the last two competition years, NYU Tandon is keen on making continual improvements and learning from its experiences to emerge more competitive at the 2018 National Conference. The team will continue to strengthen its paddling abilities by working with coaches at the Sebago Canoe Club in Brooklyn. Improvements in the hull design will allow for greater stability and maneuverability. Additionally, the team will seek out new construction methods and technologies to make its materials more environmentally sustainable. The testing of materials, methods, and processes will require vital financial support to propel the NYU Concrete Canoe Team to greater heights.
Budget Breakdown

The proposed budget below will enable the 2018 Concrete Canoe Team to implement its planned improvements.

<table>
<thead>
<tr>
<th>Concrete Canoe Annual Budget</th>
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<tbody>
<tr>
<td>Equipment</td>
<td>$200</td>
</tr>
<tr>
<td>Mix Design Development and Testing</td>
<td>$2,800</td>
</tr>
<tr>
<td>Canoe Mold Construction and Testing</td>
<td>$800</td>
</tr>
<tr>
<td>Practice Canoe Construction</td>
<td>$1,000</td>
</tr>
<tr>
<td>Canoe Cart for Competitions</td>
<td>$200</td>
</tr>
<tr>
<td>Regional and National Competitions Costs</td>
<td>$20,800</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$25,800</strong></td>
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</table>
AISC Steel Bridge Competition

Background

NYU Tandon School of Engineering’s Steel Bridge Team encourages students to go beyond the theory and technical knowledge learned in class to actively participate in the design, fabrication, and construction of a scale steel bridge. Students learn teamwork, several modeling softwares, how to safely use metalworking tools, and professional communication through contact with sponsors and mentors. In addition, students develop strategies for handling unexpected issues and obstacles that come with any engineering project. By the end of the year, students have gained practical knowledge and can transfer their new set of skills to future steel bridge projects or post-graduation employment.

Awards & Goals

This year, the team was disqualified in the 2017 Metropolitan Regional Competition due to a bridge construction time that exceeded the competition limits. Despite the disqualification, the competition helped the Steel Bridge Team learn valuable lessons for the coming year. The major goals for the upcoming year is to complete the construction of the bridge and compete successfully by reducing the weight of the bridge, placing an emphasis on constructability, and by further refining the design and fabrication of the bridge. The team is striving for a top place finish in the 2018 Metropolitan Regional Competition, to advance to the national competition, and rank in the top 20 schools.
NYU-ASCE strives to grow and retain a competitive drive through support from your sponsorship. The proposed budget allows the Steel Bridge Team to improve from previous years and utilize more efficient and lighter steel sections, different fabrication techniques, thus producing a more competitive bridge.

<table>
<thead>
<tr>
<th></th>
<th>Budget (in $)</th>
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<tbody>
<tr>
<td>Steel</td>
<td>$3,960</td>
</tr>
<tr>
<td>Welding Machine</td>
<td>$1,430</td>
</tr>
<tr>
<td>Trained Welder</td>
<td>$5,230</td>
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<tr>
<td>CNC Fabrication</td>
<td>$2,930</td>
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<tr>
<td>Materials and Tools</td>
<td>$2,160</td>
</tr>
<tr>
<td>Shirts</td>
<td>$1,130</td>
</tr>
<tr>
<td>Display (includes painting and poster)</td>
<td>$1,160</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>$18,000</strong></td>
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</table>
2017-2018 Tentative Budget

Anticipated Expenses

<table>
<thead>
<tr>
<th>Chapter and Competitions Expenses</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel Bridge Competition</td>
<td>$18,000</td>
</tr>
<tr>
<td>Concrete Canoe Competition</td>
<td>$25,800</td>
</tr>
<tr>
<td>Student Chapter Activities</td>
<td>$2,200</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td><strong>$46,000</strong></td>
</tr>
</tbody>
</table>

Distribution of Funds

<table>
<thead>
<tr>
<th>Fund Distribution</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Steel Bridge Competition</td>
<td>50%</td>
</tr>
<tr>
<td>Concrete Canoe Competition</td>
<td>40%</td>
</tr>
<tr>
<td>Student Chapter Activities</td>
<td>10%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>

Anticipated Income

<table>
<thead>
<tr>
<th>ASCE Proceeds</th>
<th>Percent Breakdown</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Student Chapter Budget</td>
<td>5%</td>
<td>$2,200</td>
</tr>
<tr>
<td>Fundraising Events</td>
<td>5%</td>
<td>$2,500</td>
</tr>
<tr>
<td>Sponsorships &amp; Donations</td>
<td>90%</td>
<td>$41,300</td>
</tr>
<tr>
<td><strong>Total Funding</strong></td>
<td><strong>100%</strong></td>
<td><strong>$46,000</strong></td>
</tr>
</tbody>
</table>
Approximated Gross Expenses amount of scheduled activities for 2017-2018

$46,000

(NYU-ASCE 2017 Fiscal Year runs from Sept 2017 to Sept 2018)
Sponsorship Benefits

Successful student recruitment heavily relies on marketing, and the three most important scopes for every company are to be present, be relevant, and to add value. By sponsoring our these are the benefits your company will obtain:

**Silver Level Sponsor ($700+)**
- Advertising opportunities at our events on and off-campus
- Company Logo representation in both our NYU-ASCE, and Competition Student T-shirts

**Gold Level Sponsor ($1,500+)**
- All Silver sponsorship level benefits
- Ability to organize tours and networking opportunities with first class, highly qualified students
- Opportunity to actively participate in our community outreach activities and engage with student events
- Priority in our professional and networking events
- Marketing for your company through our student’s mailing list, general assemblies, flyers and word of mouth

**Platinum Level Sponsor ($2,500+)**
- All Gold sponsorship level benefits
- Access to our Résumé Book of current and graduating students
- Lead speaker panels with your company’s employees
- Opportunity to display company link, logo, and recent job openings on our student chapter website
- First on receiving updates on graduating student contacts

We kindly ask that you consider forming a partnership with NYU-ASCE and making a financial contribution towards our student chapter by referring to the ASCE Student Chapter 2017-2018 Sponsorship Form below. Your support will subsidize the cost of equipment and building materials for our steel bridge and concrete canoe teams, facility rentals, as well as student chapter costs. This will give us the ability to continue seeking the very best educational and professional opportunities for our students. Thank you again for your consideration in aiding in the preparation of the civil engineering professionals of tomorrow.
NYU Tandon School of Engineering ASCE Student Chapter 2017-2018 Sponsorship Form

Please provide us with the following information and a company business card:

Contact Name: ______________________________________________

Contact Email Address: _________________________________________

Company Name: ______________________________________________

Company Address: ____________________________________________

Phone #: ______________________   Fax#: _________________________

Please indicate the amount of your donation:

Amount: $______________

Please make checks payable to: NYU Tandon School of Engineering
Memo: ASCE Student Chapter

The NYU Tandon School of Engineering would like to thank you for your generosity and support!

Please mail this form and your donation to:

NYU Tandon School of Engineering
c/o ASCE Student Chapter
Jose Ulerio, Advisor, RH 412A
6 Metrotech Center
Brooklyn, NY 11201
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