Some members of Nova NSBE at the Fall Regional Conference

November was the month of IMPACT

Speaker Nance Dicciani, former president and CEO of Honeywell’s Specialty Materials Business Group at the SWE Networking Dinner
Pi Tau Sigma

Pi Tau Sigma is striving to assist other mechanical engineering students with class tutoring as well as helping out on campus for any possible volunteering opportunities. The upcoming Beetlebot competition will include some PTS volunteers helping to setup the day before as well as assist in the exciting battles the day of competition. So far, more than ten one-on-one tutoring requests have been fulfilled in the past couple of months with the aim of helping fellow students prepare for tests and better grasp course material. Members have been meeting with students for both one-time and multiple sessions to keep material fresh and make sure that all the concepts from class are clear going into major exams and assignments. With finals right around the corner, the society will continue to reach out to get the word out about exactly what this club does and how to contact us with tutoring or general requests.

HKN

Eta Kappa Nu, the IEEE accredited Computer and Electrical Engineering Honor Society, was happy to help the IEEE club on campus host a successful fireside chat event this past month. This December we will be hosting a finals study help event where Eta Kappa Nu upperclassmen will be available to help tutor underclassmen taking ECE classes. Additionally, we are excited to be getting new members next semester.
FORMULA SAE

This month, the NovaRacing team has been hard at work on aerodynamics and preliminary designs of VU12 which focus on wing profiles. We are also performing an in-depth study aerodynamic study of VU11 bodywork while Team Captain James Morgan and the aerodynamics leads work on reducing drag and maximin downforce. We are also working on implementing front and rear airfoil wings as well as an aero undertray. If you want to get involved, feel free to stop by the garage or contact our team captain at jmorga16@villanovaedu!

VESOP

VESOP is planning to hold one more meeting before finals to discuss ideas for next semester - and celebrate the holidays with food! The groups that participated in VESL trips over fall break are finishing up their project deliverables, which they will present on Tuesday, Dec. 11th at 2:30 in CEER 001. Come to learn about opportunities for travel over spring break to work with program partners in Ghana, Tanzania, Madagascar, Cambodia, Panama, Costa Rica, Ecuador and Guatemala. Anyone who wants to work on one of these projects must complete an application before Friday, Dec. 14th at 5:00PM. Link to apply: https://www1.villanova.edu/villanova/engineering/experiential-learning/service/apply.html.
This month, as usual, has been very busy for ESC! We hosted our first Quizzo event with grand prizes of $100 to Campus Corner. Many members and non-members came to show off how well they knew CEER facts, science, and (of course) Disney trivia. On 11/28, ESC co-hosted an Escape the Room event with CEER PEERs as well! There was a great turn out of people who came together to solve puzzles in less than an hour. The event was a major success for both organizations and we are planning to work together again in the future. In addition, ESC launched its first competition fundraiser. Custom sock designs were made for each of the five engineering disciplines, and the first major to sell 24 will win a holiday party hosted by ESC. We will see the results as December progresses! Lastly, ESC held elections on December 2nd to re-elect our board. We sadly have to say goodbye to our president, Sam Cooney, because he will be a second semester senior. Sam has done much for ESC and he will be missed. The new executive board: Ben Bock, President, Maddie McQuillan, VP and Tessa Fanning, Treasurer. Exciting things to come in December.
The Society of Asian Scientists and Engineers is dedicated to the professional advancement of Asian heritage scientists and engineers, celebrating diversity in the workplace and on campus, and giving back to the community. The month started with SASE Spirit Week! We volunteered at Villanova Special Olympics. We then held several events for our members including: cultural Vietnamese summer roll making, SASE’s 11th birthday, and resume and interview workshop. Later in the month, NovaSASE travelled to Drexel University to celebrate SASE Thanksgiving Potluck with SASE chapters around the region, like Drexel University, University of Maryland, Stevens Institute of Technology, and more. Here, NovaSASE members were able to eat great food and network with members from other schools. We are now beginning to prepare for our North Eastern Regional Conference (NERC) in the spring. SASE members will be able to network with industry professionals and other college students. Stay tuned for more on NERC 2019 and everything to do with NovaSASE!
Villanova’s chapter of The Institute of Transportation Engineers is currently planning on hosting one final meeting to wrap up this semester. The next meeting will focus on what we have accomplished so far and get members excited for what is to come next semester. One of the key points in this final meeting will be the introduction to returning E-Board members next semester. Several E-Board members are currently studying abroad and are excited to return back and help build up ITE further. Additional discussions will be held to determine how ITE can better assist its members to prepare for finals examination week at Villanova.

AIChe is planning to host a casual event during finals week to help students de-compress. The event will have tasty treats and entertainment. AIChe has welcomed a new faculty advisor - Dr. Michael Smith. The club is very grateful to have Dr. Smith’s positive influence and experience.
This November, the American Society of Civil Engineers hosted the 2018 Civil Engineering Career & Internship Meetup on November 9th. Students had the opportunity to network with professionals and learn more about possible career paths. ASCE also hosted representatives from McCormick Taylor and their Talent Acquisition department for a resume review workshop on November 28th. The team covered a variety of topics which included content, formatting, style, and resume myths. In addition to both events, members from the ASCE executive board attended the Region 2 assembly at George Mason University to learn about leadership and compare ideas and experiences with neighboring chapters. As always, like us on Facebook, follow us on Instagram or email us at asce.villanova@gmail.com to find out more about upcoming events.
**ChemE Car**

Stopping and starting reaction are still going at it in the lab every Wednesday from 2:30-5. Starting reaction has made one full 7 volt wet cell battery in a silicone ice cube tray. That has been set aside to see how long it will keep its charge. They are now working on creating other batteries and practicing to make them quickly. Stopping reaction has been getting their data curve to better understand their required sodium thiosulfate concentrations for stopping the car motor at different times. They have been getting pretty consistent data.

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**NovaCANE**

NovaCANE has had a great semester and looks forward to concluding the semester with trips in December where students will be working on building Gingerbread houses and testing them against earthquake like conditions. In November, students participated in an activity building pinwheels and learning more about renewable energy and fluid dynamics. The Curriculum Committee has been busy prepping for each trip as well as developing new activities for students.
NSPE

NSPE is continuing preparations for the meeting with PSPE, the local NSPE chapter. The event will most likely be compromised of a networking portion, speakers, as well as an Order of the Engineer ring ceremony. As the semester progresses, we begin looking for future leaders of our organization. We wish everyone good luck on their last round of exams as the begin preparing for finals!

OXE

Omega Chi Epsilon is the Chemical Engineering Honors Fraternity at Villanova University. This month, the organization was busy preparing for pre-Thanksgiving exams through multiple study and review sessions. The junior class held a group meeting prior to their Thermodynamics II Exam, and the seniors met to practice for their upcoming Modeling and Analysis Exam. In addition, the newly initiated sophomores are beginning to feel welcome to the organization through their own Intro to Chemical Processes exam reviews. A Sophomore Class representative was elected this month to organize and run these sessions throughout the academic year. Omega Chi Epsilon is now working to set a date and location for a large review session for final exams with members of all classes, which will include pizza, studying, and collaboration amongst students.
The National Society of Black Engineers are an active community of students that believe in our mission: “to increase the number of culturally responsible black engineers, that excel academically, succeed professionally, and positively impact our community”. Our first conference trip was a success! We attended NSBE’s Fall Regional Conference in Bethesda, Maryland. Our members spoke to various companies looking for engineers to potentially get hired, secure an internship for the summer, or find any research opportunities. There were also various social events there like Wild N’ Out, which is based on the show of the same name. There are also parties for all age levels that attend the conference. There we’re also competitions such as debate and hackathons. Time is winding down on the semester, so we will be hosting our last event; Feliz NOVAdad. This event is focused on having fun and spending time with friends. It will be in the Dougherty Hall West Lounge on Reading Day, December 14th and we’ll have card games, board games, videogames, and free food to help you relax before finals week. Don’t let the stress overtake you!
The American Society of Mechanical Engineers is excited to be organizing study rooms for the last day of classes! We plan to have food and drinks for students to meet and study for their upcoming finals. A new signature event is being planned for next semester, which will be sent to all of our members soon. Additionally, we are going to begin the selection process for our new board members. An email will be sent out with a few questions to all engineering students. If you are interested in a leadership position within our organization next semester, please respond to the email! We look forward to hearing from you!

This November, the AIAA has continued working on our Quadcopter project, started organizing for Boeing E-Week as well as other events, and began setting up for our members’ mini projects. Currently, we are planning to provide kits to build mini quadcopters or RC planes, but will continue discussions at our next meeting.
Hello everyone! IEEE has some great news! Last month, the Villanova branch took students to a section gaming night with all the other branches. It was a great opportunity to socialize and network with fellow ECE’s. In the coming month of December, we will be hosting a Christmas soldering workshop and a 3-D printing workshop. The dates will be posted soon so be on the lookout.

Tau Beta Pi

Tau Beta Pi has had a busy November preparing for Initiation on December 9. The officer team reached out to the top 1/5 of seniors and the top 1/8 of juniors inviting them to join our society. These candidates could then accept or reject the offer. After filling out an Eligibility Report, an Election Report, and Catalog Cards, TBP is proud to share that we will be initiating 26 new members in a couple of weeks! In addition, the officer team has reflected on this experience and determined different areas for improvement next semester!
This month, SWE held its 13th annual SWE Networking Dinner! It was a great time where students, faculty, and employers were able to speak about their experiences in engineering over a delicious meal. We were lucky enough to have many different industries represented, contributing to the event’s success. We were honored to host Nance Dicciani, former president and CEO of Honeywell’s Specialty Materials Business Group, who shared her wisdom and taught us that boundaries and barriers are often in the mind alone. She epitomizes great leadership and what it means to be a strong woman! Thank you to everyone who came out and partook in this fantastic event. SWE wrapped up the month with SWE Restaurant Week, raising money for the annual Costa Rica trip, while dining at our favorite local restaurants. We are excited to see what the rest of the semester holds!