

Our Cal Poly SESH team has safely returned home from Kathmandu Nepal, and we wanted to thank you so much for your support. While in Nepal, we had the life-changing opportunity to work on incredible humanitarian projects with Miyamoto Global Disaster Relief. Our team was given two very unique projects, with a common goal: seismic rehabilitation of structures that were greatly affected by the 2015 M-7.8



SESH students working on the Gateway Structure

earthquake that killed 9,000 and injured 22,000 in Kathmandu and surrounding areas that has had a lasting impact on many communities there. Our group developed sets of as-built drawings in Revit, performed a detailed damage assessment, mapped damages, and recommended retrofit solutions for both projects. One group of students worked on the Gateway Structure, a structure attached to the UNESCO World Heritage Site, the Gaddi Baithak. Students working on the Gateway Structure faced unique challenges, as they were tasked with finding retrofit solutions using only materials that were pre-existing on site. The other group of students worked on the Shree Janavikash Higher Secondary School

and had the unique and perspective-changing opportunity to meet and spend time with the students at the school. We all found it very impactful to directly interact with the community we were helping. It was extremely valuable for students to learn more about construction and engineering practices in Nepal while working alongside and learning from local engineers, and it was an incredible way to expand all of our world-views and perspectives. After completing and presenting our work for Miyamoto, we spent several days trekking in the foothills of Kathmandu, and during our time in the breathtaking foothills of the Himalayas, we had the opportunity to visit a few recently retrofitted schools in the mountain villages that had also been damaged in the 2015 earthquake. Overall, the trip was a once-in-a-lifetime opportunity, and the work we got to do deeply impacted every student that came on the trip and allowed for unique learning opportunities to put what we've been learning at Cal Poly into action. Additionally, the trip and the projects we worked on greatly increased the desire of many of us to further pursue humanitarian structural



SESH students and Nepali Students at the Shree Janavikash Higher Secondary School

engineering. Before departing for Nepal, our team raised over \$10,000 which will go entirely to the rehabilitation and reconstruction of both the Gateway Structure and the Shree Janavikash School. Thank you so much for your support of SESH and the work we were able to do, it would not have been possible without your support and we are immensely grateful.

Thank you!

Cal Poly Structural Engineering Students for Humanity



SESH students and trekking guides at a camp in the foothills of Kathmandu