ACM-TAMUK
℅ Dr. David Hicks
Electrical Engineering and Computer Science
EC 202
MSC 192 Texas A&M University-Kingsville
Kingsville, Texas 78363-8202

The ACM-TAMUK was founded in 2016. We currently have one faculty advisor and 24 student members; 22 computer science majors and two electrical engineering majors. There are 1126 computer science and electrical engineering students at the Frank H. Dotterweich College of Engineering at TAMUK. Our chapter strives to create a hands-on experience for our members by involving each individual in at least one project per semester. These projects include web development, UAV/drone building, community service, and so much more.

Chairperson: Tyler Hurson - tyler.hurson@acm-tamuk.com

Vice-Chairperson: Miles McFarland - miles.mcfarland@acm-tamuk.com

Secretary: Oscar Reyes - oscar.reyes@acm-tamuk.com

Treasurer: Thomas Wurdinger - thomas.wurdinger@acm-tamuk.com

Webmaster: Joe Hernandez - joe.hernandez@acm-tamuk.com

Faculty Advisor: Dr. David Hicks - david.hicks@tamuk.edu

Website URL: www.acm-tamuk.com

The ACM chapter at Texas A&M University-Kingsville (ACM-TAMUK) has made significant inroads into an array of projects since their inception last year. Our officers constantly endeavor to find projects and activities that will enrich not only our student members, but the school (and, by extension, the city of Kingsville) as a whole. Our organization has created teams devoted to building a website, an unmanned aerial vehicle (UAV), and training for both the upcoming International Collegiate Programming Competition (ICPC) and National Cyber Defence Competition. We have begun development of a minecraft plugin and also coordinated with Academy High School in the Santa Gertrudis School District to initiate a UIL Computer Science mentoring program.

The website was developed by a team of seven student developers headed by then-chairperson Thomas Wurdinger. It was written in the HTML5, PHP CSS, and Javascript languages and served from a homemade Raspberry Pi server created by Thomas. The website was successfully completed in time to enter it into the Outstanding Chapter Website competition. Even if it does not win, the experience garnered by the development team more

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than makes up for the time invested in this project. The site can be found at www.acm-tamuk.com.

In 2016, our organization fielded two four-man teams in the ACM-ICPC regional competition held at Baylor University in Waco, Texas. Funds for this activity were raised at various school functions like the Fall Carnival. The entry fees were donated by our sponsor, the Computer Science and Electrical Engineering Department at TAMUK's Frank H. Dotterweich School of Engineering, while lodging fees were provided by Office of Student Activities. All monies for food and travel expenses were raised by raffling off a $25 gift card. Again, the experience gained was invaluable and we have already begun training a team for entry into next semester's competition. This team is headed by the chapter secretary Oscar Reyes. Another option for those interested in competition is the team training for the National Collegiate Cyber Defense Competition.

For those members interested in the electrical engineering aspect of Computer Science, our organization has a team dedicated to building a lightweight UAV. This team is well into the design phase of production using our organizations funding. A project such as this is the perfect opportunity for hands-on research and development of microprocessors and networking systems. All those interested in game development have the opportunity to join our Minecraft plugin team or MOD team. These teams are co-headed by Kevin Reyes and Dagoberto Garza.

Our group has also started a UIL Computer Science mentoring program for the high school students at Academy High School. A team of five computer science majors have been coaching these high school students in preparation for district and regional UIL competitions. The initial organizers of this team were Dr. David Hicks, the ACM-TAMUK faculty advisor and Tyler Hurson, current ACM-TAMUK chairperson. All those involved had a wonderful time and we hope this becomes the standard for future ACM-TAMUK organizations.