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 Association for Computing Machinery at Texas A&M University-Kingsville (ACM-TAMUK) has a new website that can be found at www.acm-tamuk.com. This site was designed and created by a development team led by Thomas Wurdinger and including Roel Garcia, Hayden Judson, Kevin Reyes, Ross Sullivan, Emily Saenz, Natalie Perez, Bradley Guerrero, Joe Hernandez, and Stephanie Garza.

In keeping with the times, the website is responsive and was coded in the HTML5, CSS, PHP, and Javascript languages with the K.I.S.S. principal at the heart of all design. The site consists of a landing page, a dynamically rendered member's profile page, a "member search" results page, and an admin (backend). The landing page was designed to encompass all necessary information without having to navigate away. This was accomplished with parallax scrolling. Basically, the very long "body" is rendered in small sections, or "slides", that exactly match the user's screen height. The buttons on the left of the screen, as well as the "down arrows" at the bottom of each slide, call a few javascript functions that move the y-axis of the screen until the proper

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slide is centered. This, coupled with a fixed background for each slide, gives the effect of "sliding pages". It also makes the addition of new slides as easy as copy/pasting the previous slide and incrementing the id. The social media plugins on the bottom left of the screen offer our users the perfect opportunity to keep up-to-date on all our activities and meetings, while the "Projects" portion of the site displays all current and future projects of the ACM-TAMUK.

Instead of a database, our team used a formatted text file to hold the member's information that will populate the "Members" portion of the landing page as well as the individual "Profile" page. This text file holds every member's first and last name, the year they became a member, a short biography, and an id. When the landing page is loaded, the text file is parsed and an image with a corresponding id is located from the "/images/members" directory. The page is then populated with all member's pictures and names. Once an image is clicked, that member's "Profile" page that is appears populated with that member's information and image.

The admin page, or "backend" is simply a page, like the others, that requires a password to access. The password is hardcoded into the page and must be changed manually every year. Once inside the admin area, the administrator may add members with the form provided. The submitted information is merely written into the formatted text file and an image, if provided, is uploaded to the server. If no image is provided, a placeholder is used.

Overall, the website is a sensational mix of design and functionality where users can easily learn more about our organization and stay informed about all upcoming events. Thank you for your consideration.