*"The Peak of Good Living"*

TOWN OF APEX
NORTH CAROLINA

# *Proclamation*

## Recognizing the Apex High School AETHER-12 Student Research Team

*from the Office of the Mayor*

**WHEREAS, Apex High School seniors Jeremiah Joseph, Ashton Tran, and Sanjay Ambati, working through Ecotek Lab, have demonstrated exceptional initiative, creativity, and dedication in the fields of science, technology, engineering, and mathematics through the development of AETHER-12, a 12U CubeSat prototype designed for operation in low Earth orbit; and,**

**WHEREAS, The AETHER-12 project was developed to address challenges faced by small spacecraft, including radiation exposure, thermal cycling, limited power availability, and component degradation, while incorporating innovative features intended to improve spacecraft durability, adaptability, and operational lifespan; and,**

**WHEREAS, Jeremiah Joseph, serving as team lead, Ashton Tran, serving as lead technical engineer, and Sanjay Ambati, overseeing operational systems development and testing, have each contributed specialized knowledge and collaborative leadership to the design, engineering, and advancement of the AETHER-12 project; and,**

**WHEREAS, The students have distinguished themselves through continued independent research and hands-on innovation, building upon previous work involving thermal cooling systems for high-performance semiconductor technology and expanding their experience through engagement with engineers, research institutions, competitions, and opportunities within the aerospace industry; and,**

**WHEREAS, The accomplishments of Jeremiah, Ashton, and Sanjay reflect the value of curiosity, perseverance, collaboration, and academic excellence, while bringing distinction to Apex High School and serving as an inspiration to other young people throughout the Apex community who aspire to pursue careers in STEM fields.**

**NOW, THEREFORE, I, Jacques K. Gilbert, Mayor of Apex, North Carolina, on behalf of the Apex Town Council, do hereby recognize and congratulate**

**JEREMIAH JOSEPH, ASHTON TRAN, AND SANJAY AMBATI**
**THE AETHER-12 STUDENT RESEARCH TEAM**

**for their outstanding achievement, innovation, and commitment to advancing STEM research, and extend the Town's best wishes as they continue to develop the AETHER-12 project and pursue future opportunities in science, engineering, and aerospace innovation..**

**I hereby set my hand and have caused the Seal of the Town of Apex, North Carolina, to be affixed this the 16th day of October, 2026**

**Jacques Gilbert, Mayor**