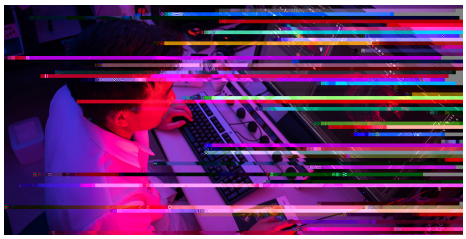
UC San D

HOOL OF ENGINEERING



## S ab ca a b a. a m

Mechanical engineers are developing a tiny, steerable catheter designed to remotely navigate the brain's arteries to diagnose and treat u(e)-8.8eoreorgie an3u8 af8.848 (a)y.(w)-8 (o)-8.(l)-3

Ph.D. student Gopesh Tilvawala, who is part of professor James Friend's lab in the Department of Mechanical and Aerospace Engineering. The team has collaborated with UC San Diego researchers in neurosurgery, radiology, and vascular surgery. The steerable catheter could also be used in the heart and urinary tract and is a step toward next-generation small and dexterous surgical tools with extreme maneuverability.

Learn more: bit.ly/Gopesh

## 3D b mad a

Bioengineers are working to make it easier for scientists to make 3D models of whatever human tissues they're studying. The goal is to make easy-to-The four Jacobs School profes

Fa a B for high energy density science
Ra G a for systems and hardware-software co-design, and research administration
Pa P for computational molecular biology; leadership in bioinformatics education
L a a Z a for therapeutic nanoparticles that evade immune attack.
f

Learn more: bit.ly/JacobsAAAS