University of Texas at Arlington; College of Engineering - Board of Advisors

Research Activity Group Update 10-4-19

Academic Leader: Gautam Das; BOA Lead: TBD

**Goal Statement:** Increase COE’s research enterprise through a 8% increase over the last fiscal year in total and restricted research expenditures, per faculty expenditures, proposal submissions, and new award funding. Also increase by 8% other research metrics, such as number of graduating PhD students, and published papers in top-tier conferences and journals.

**Why it matters:** UTA is on the cusp of becoming a Tier 1 research institution. Increases by the COE related to the number of PhDs and research expenditures will assist the university in reaching its goal. These metrics will also positively impact various national ranking systems, such as US News and World Report rankings and CSRankings.org.

**Status:** As of July 2019, COE is tracking at 99.0% of last fiscal year in submissions, 108% in awards, 93% in research expenditures, and 111.6% in per-faculty research expenditures. Some of these number are expected to significantly increase, once the August 2019 numbers are finalized.

**How:** COE research will reach its goals through continuing with junior faculty mentorship, CAREER and grant writing workshops, travel assistance to visit agencies, grant writing assistance and guidance on collaboration opportunities within UTA as well as with external organizations including academia and industry.

**What will you accomplish?:** COE research will track new proposal submissions, new awards, and expenditures and will provide information in semi-annual and annual reports as it reaches its goals. We will also track STEM PhD GRAs and GTAs and how we are contributing to University PhD graduates numbers. We will track scholarly activities, including research publications in top-tier conferences and journals. We will encourage qualified faculty to apply for national recognition (e.g., fellowships in professional societies). We will provide annual research information at Fall BOA meeting and semi-annual research information at Late Spring BOA meeting.

**Points of Discussion:** How can Board Members help with advancing the College’s research contributions to the University Strategic Plan? How to increase industry adoption of basic academic research, e.g., find industry partners to help with prototype development (NSF’s C-Accel project), industry internships for our students that have strong research components.