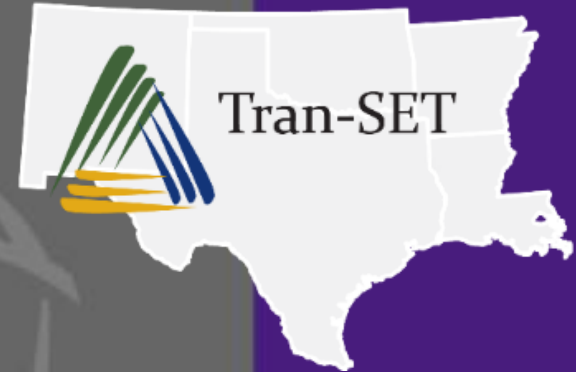


A Comprehensive Workforce
Development Program to
Advance Leadership in Critical
Transportation Technologies



Heena Dhasmana
Marwa Hassan



Project Description

- The American Jobs Plan highlighted new technologies *“critical to both our future economic competitiveness and our national security”*:



Electric
Vehicles



Sustainability



Artificial
Intelligence



Climate
Resilience

Project Description

- This project will develop a comprehensive workforce development program to educate transportation professionals on these emerging topics
- The program is designed to be beneficial and transferable to all CUTC members



Project Tasks

Task 1: New Chapter Initiative

- Collaborate with the Transportation Research Forum to establish a new student chapter in LSU



Project Tasks

Task 2: New Workforce Development Summit Initiative

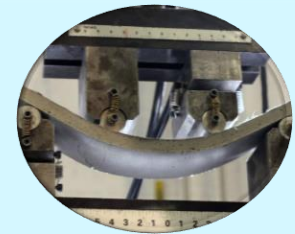
- Three 1-day summits in Louisiana, Texas, and Arkansas.



Day 1: Louisiana
Sustainability and
Climate Resilience



Day 2: Texas
EV



Day 3: Arkansas
Innovative
Construction
Materials



Project Tasks

- The three summits will be disseminated through:
 - Advertise in underrepresented group meeting venues
 - Broadcast live to allow all CUTC members and transportation professionals world-wide to participate
 - Upload recordings on Tran-SET's website and YouTube channel



Project Tasks

Task 3: Summit Competitions

- To increase the attendees' engagement in these summits, each summit will include a competition at the end of the breakout sessions.
- In the competition, attendees will be required to solve MCQs prepared by the presenters, and the highest scorer will receive an internship



Project Tasks

Task 4: Internships

- Two students were selected as interns to do research at LSU.
- Topics included sustainable materials and AI in construction.
- Results from the work conducted by interns are being prepared for publication in different journals.

Answers to Key Questions

- What are the key deliverables & how these deliverables will be shared and disseminated to benefit CUTC members?

Deliverable	Dissemination
Ongoing-student chapter	Will be promoted/archived on Tran-SET's website, social media, YouTube Channel, newsletters, and listserv and shared with CUTC members.
Live broadcast of summits	
Recording of summits	
Educational materials related to summit topics	
Research papers	

Answers to Key Questions

- Describe how the proposed initiative supports the CUTC mission, highlights university research and education, and is consistent with the goals of the organization.

“Promote university research, education, and workforce development, as essential to the nation’s transportation system ”

Internships will engage students in Cutting-edge research

Summit will enhance access to careers in high-innovation sectors

Summits will educate the attendees on critical transportation topics



Thank You

e-mail: heenad@lsu.edu