



# FIVE-YEAR ACHIEVEMENTS AND IMPACT OVERVIEW

Highlighting key progress and  
accomplishments over time



# YEARS 1 AND 2: FOUNDATION AND GROWTH

## Year 1 Rapid Launch

*Year 1 successfully unified legacy centers, launched key publications and podcasts, and initiated professional development sessions.*

## Outreach and Industry Engagement

*Outreach reached thousands and a Business & Industry Leadership Team formed with 12 companies, fostering strong industry ties.*

## Year 2 Growth & Expansion

*Year 2 grew student enrollment, expanded outreach by 26.5%, increased podcasts, and improved accessibility and professional development ratings.*

## Digital Engagement Metrics

*Website usage increased to thousands of users and page views, with podcasts downloads reaching over a thousand.*



# YEARS 3 TO 5: NATIONAL LEADERSHIP AND IMPACT

## **Year 3 Highlights**

*MNT-CURN enrollment grew to 54 students, AR/VR training innovations launched, and outreach doubled to nearly 10,000 people.*

## **Year 4 Expansion**

*Outreach increased to over 22,000 individuals with a 495% YouTube view growth and 68 industry partners engaged.*

## **Year 5 Achievements**

*National reach surpassed 78,000 people, 141 academic partners engaged, and workforce programs supported hundreds with paid internships.*

# IMPACT METRICS

# OUTREACH AND ENGAGEMENT GROWTH

<b>YEAR</b>	<b>INDIVIDUALS REACHED</b>
<b>2020–21</b>	3,815
<b>2021–22</b>	4,825
<b>2022–23</b>	9,752
<b>2023–24</b>	22,628
<b>2024–25</b>	78,147

# INDUSTRY PARTNERSHIPS AND LEADERSHIP

<b>YEAR</b>	<b>INDUSTRY PARTNERS</b>
<b>2020–21</b>	12
<b>2021–22</b>	32
<b>2022–23</b>	41
<b>2023–24</b>	68

# CLOSING SUMMARY AND FUTURE OUTLOOK



# SUMMARY OF ACHIEVEMENTS

## **Academic and Media Launches**

*The initiative launched an academic journal and produced 55 podcast episodes to disseminate knowledge widely.*

## **Mentorship and Proposals**

*Mentoring over 60 NSF ATE proposals strengthened research and funding success within the initiative.*

## **Innovative Tools Integration**

*Incorporating AR/VR and MNTfolio enhanced learning experiences and showcased cutting-edge technology use.*

## **Outreach Efforts**

*Scaled outreach and industry engagement ensured broad participation and impact.*

# FUTURE DIRECTIONS



## •Sustaining Publications and Programs

*oMaintain high-quality journal publications and expand workforce development programs to nurture talent.*

## •Industry Collaboration and Innovation

*oDeepen partnerships with industry and integrate advanced technologies to foster ongoing innovation.*

## •Academic Partnerships and Talent Development

*oStrengthen academic partnerships to drive sustainable impact in the semiconductor workforce.*

## •Mentorship and Proposal Development

*oExpand mentoring initiatives to support faculty in developing competitive grant proposals.*

