

Readying the State Workforce

- Professional development
- Access to software tools
- Collaborative opportunities

Educational Impact

- Designing new AI ed programs
- Embedding AI into every discipline
- Impacting the way we teach

Bill 1265 – Enables the state to prototype/pilot these ideas

Computational Infrastructure

- Key partnerships
- State investment
- Data centers and energy

Consulting

- Leveraging expertise in support of state government
- Improving effectiveness and efficiency of state operations

Future funding would enable a broader set of activities to support the ND AI economy

Daily Office Use of AI

- Summarize long documents
- Generating meeting notes
- Drafting and refining emails
- Drafting documents
- Searching through documents and emails
- Drafting presentations
- Language translation
- Comparing documents
- Conducting market research
- Analyzing data and reporting

Broad applications of AI

- **Health care:** diagnostics, drug discovery, personalize medicine
- **Customer service:** chatbots and personalized assistants
- **Finance:** fraud detection, algorithmic trading, credit scoring
- **Manufacturing:** maintenance, supply chain, robotics
- **Transportation:** self-driving vehicles, traffic management
- **Ag:** monitor crops, predict yields, pest management
- **Retail:** inventory management, targeted marketing
- **Education:** adaptive learning, personal assistants
- **Energy:** smart grids, demand mgt, prediction of usage
- **Human resources:** resume screening, recruitment, performance monitoring
- **Security:** facial recognition, biometric security
- **Entertainment:** game design, virtual concerts
- **Legal services:** contract reviews, document reviews, mediation
- **Space exploration:** navigation, imaging, mission planning, tracking

Bill 1265 Funding Profile

- \$3 million to provide access to Advanced IT Technologies for NDUS, DPI, and State Agencies
 - Pilot for 10% of ND workforce
- \$1.5 million for professional development and training
 - Target 500 training opportunities through conference/workshop attendance – create the internal catalysts for change
 - AI Conference and User Groups – bring people together for sharing of best practices and discoveries
- \$500K for Institutional and Student Support

Leverages Existing Centers and Initiatives at UND and NDUS such as

- Artificial Intelligence Research (AIR) Center – Center Directed by Naima Kaabouch
- Center for Cyber Security Research (C2SR) – Center Directed by Prakash Ranganathan
- AI and the Humanities - Initiative led by Emily Cherry Oliver in Theater Arts
- AI in Medicine - Initiative led by Marjorie Jenkins in the Medical School
- Dakota Digital Academy – NDUS organization