DELIBERATE INNOVATION, LIFETIME EDUCATION

THE COMMISSION ON
CREATING THE NEXT IN EDUCATION

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CREATING THE NEXT®
Envision the educational enterprise of the technological research university of the 21st Century, and recommend pilots and projects to move Georgia Tech towards that vision.
FOR TWO YEARS WE GATHERED IDEAS FROM AROUND THE WORLD

- Extensive discovery phase
- Town hall meetings
- Innovators’ workshops
- Symposia and panels
- Thought leadership speaking at international meetings
- Participation in USG strategy process
- GTFire pilot projects
- Facilitated ideation
- Student ideation projects
- Weekly meetings and lunches
- Structured innovation via FlashPoint
- openIDEO Challenge
- Speakers, visitors, and consultants
- Social media and blogs
- #GT2040
Imagine it's the first day of class at Georgia Tech in 2040...

**Who** are you?

**Where** are you?

**What** are you doing?
DRIVERS OF CHANGE

DISAPPEARING BOUNDARIES
• K-10
• Episodic
• Graduate engagement

CHANGING DEMOGRAPHICS
• Shrinking number of 18 year-olds
• Decreasing % of high school graduates choosing college
• Increasing diversity

IRON TRIANGLE
• New learners – access
• Economies of Scale – affordability
• Unique learning experience -- excellence
DRIVERS OF CHANGE

CHANGING NATURE OF WORK
- Globalization
- Automation & Productivity
- Churn of Knowledge
- Gig economy

NEEDS AND CAPABILITIES
- Agility
- T-Shaped thinkers
- 21st century skills

SCIENCE & TECHNOLOGY OF EDUCATION
- Cognitive Science & Behavioral Economics
- Ascendance of Data
- Convergence of technologies
SOME RECURRING THEMES

- Educating the “whole person”
- Education outside the “sweet spot”
- Solving the value problem
- Leveraging our status as a research university
- Accelerating the pace of change
- New models and kinds of learning
- Educational products
- Role of public universities
- Choosing the right problems
- A lifetime vision
- Investing in our students
- Fusing research and educational experiences
- Renewal as core capability
- Data and AI
- Replacing the transcript
- What do we stand for?
TIME HORIZONS

0-5 years: Harvest what can be done now

5-10 years: Invest in building blocks

10-20 years: What is beyond our current planning horizon?
• **Research University**: Creation of knowledge, solving hard problems at the highest level is central to our identity.

• **Residential instruction** is central to our mission: excellence in undergraduate education cannot be sacrificed.

• **A public university** – any plan for the future has to address:
  * The Iron Triangle
  * Public Mission
  * Economic Development

• **STEM Focus**: We will continue to define the technological university of the 21st Century.
The Georgia Tech Commitment to a Lifetime Education

The Culture – Becoming Deliberately Innovative

The Initiatives
- Whole Person Education
- New Products and Services
- Advising for a New Era
- AI and Personalization
- Distributed Worldwide Presence

Prepare students for 2040 when demographics, multiple career paths, churn of knowledge require episodic, agile, intense lifetime investment.

DELIBERATE INNOVATION, LIFETIME EDUCATION
Making the Georgia Tech Commitment a reality:

- Eliminate artificial barriers between conventional schooling and higher education.
- Allow flexible calendars and pathways through Georgia Tech.
- Award new kinds of credentials that recognize continual learning.
- Build a Georgia Tech network around the globe.
- Provide an advising and coaching network for life.
INITIATIVE #1
WHOLE PERSON EDUCATION

Experiential Learning
Globalization at Home
Professional Development for Graduate Students
Whole Person Curriculum
INITIATIVE #2
NEW PRODUCTS AND SERVICES

Microcredentials
A Matrix of Minimester Classes
Credit for Accomplishment
Blockchain Credential Project
INITIATIVE #3
ADVISING FOR A NEW ERA

Prescriptive Advising
Intrusive Advising
Developmental Advising
Personalized Advising
for a Lifetime

A Personal Board of Directors
AI-enabled personalized learning system

AI-based, adaptive learning platforms for mastery learning

Human-centered AI
INITIATIVE #5
A DISTRIBUTED WORLDWIDE PRESENCE

Georgia Tech atrium™

Living Library for Learning (L3)
BECOMING DELIBERATELY INNOVATIVE

Enhance Innovation Ecosystem

Enhance Teaming by Bridging Organizational Silos

Motivate Individuals in the Innovation Process
CURRENT CNE PROJECTS

• Academic Master Plan
• Georgia Tech atrium™
• Advising for a New Era Task Force
• Graduate Certificates
• Blockchain Credential Project
• Professional Development for Graduate Students
• Deliberate Innovation Center
• AI: Pilots for Mastery-Learning and Adaptive-Learning Platforms
• Living Library for Learning (L3)
CNE PROGRAM OFFICE

• Hosted in C21U

• Activities
  • Portfolio management
  • Events and community building
  • Internal and external communications
  • Fund-raising

• Advisory and Steering Groups
  • Steering
  • Advisors
  • Strategic Plan Execution

Execution

• Work performed within C21U/CNEPO
• Project managed by CNEPO
  • Tracked by Portfolio Manager
  • Project Director Responsible for
    • Goals
    • Deliverables
  • CNE/Office of Provost
    • Resources
    • Personnel

Support

• Tracked by Portfolio Manager
• Project Director Responsible for
  • Goals
  • Deliverables
• Sponsored by CNE

Track

• Tracked by Portfolio Manager
• Project Director reports progress and plans
SOME PERSONAL COMMENTS ON HOW TO ORGANIZE FOR INNOVATION

- Have a philosophy for change
  - Have a sense of the future
  - Anecdotes and gut feelings no match for data
- Don’t start with the current state
- Don’t fight the existing order, make it obsolete
- Be realistic: Universities can diversify but the can’t become different creatures
- No artificial time constraints
- Don’t fall for the curse of too much money
- Importance of culture
DISCUSSION

“I’m forever in.”