AS STEWARDS OF A CONNECTED AND INCLUSIVE WORLD, I BELIEVE WE AS LEADERS HAVE AN OBLIGATION TO APPLY NEW TECHNOLOGY SOLUTIONS TO HELP SOLVE COMPLEX SOCIAL CHALLENGES AND IMPROVE THE WAY THE WORLD WORKS AND LIVES

Pierre Nanterme
Accenture CEO
WHAT IF...?
THE POPULATION OF INDIVIDUALS OVER 65 IS GROWING

Rising share of Elderly Population – Industrialized Nations

Source: CIA World Factbook 2011; 2010 World Health Organization Data
THERE ARE SEVERAL BARRIERS TO AGING IN PLACE

- Slow adoption of in-home monitoring
- Lack of community services
- Barriers in the home leading to safety issues
- Lack of connection in the community resulting in loneliness and depression
THE GLOBAL DISABILITY DIVIDE

IN THE U.S. PEOPLE WITH DISABILITIES EXPERIENCE

33%
LOWER SALARY

3X
LESS LIKELY TO GO ONLINE

38%
LOWER EMPLOYMENT

GLOBALLY PEOPLE WITH DISABILITIES EXPERIENCE

12%
LOWER EMPLOYMENT FOR MEN

10%
LOWER EMPLOYMENT FOR WOMEN
WE ARE IN AN UNPRECEDENTED PERIOD OF TECHNOLOGY INNOVATION

Mainframe
Client-Server and PCs
Web 1.0 eCommerce
Web 2.0, Cloud, Mobile
Big Data, Analytics, Visualization
IoT and Smart Machines
Artificial Intelligence
Quantum Computing

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AI HAS CREATED THE SINGLE BIGGEST TECHNOLOGY REVOLUTION THE WORLD HAS EVER SEEN.
NEW WAYS TO EXPERIENCE EXTENDED REALITY (XR)

EMPOWERING
Go beyond real world physical constraints to design, feel/think and achieve the impossible or unimaginable
WITH DIGITAL, GREAT OPPORTUNITY PRESENTS EVEN GREATER RESPONSIBILITY.
HOW MIGHT WE...?
TRANSFORMING WORK
DRISHTI, WHICH MEANS “VISION” IN SANSKRIT, PROVIDES SMART PHONE-BASED ASSISTANCE USING AI TECHNOLOGIES SUCH AS IMAGE RECOGNITION, NATURAL LANGUAGE PROCESSING AND NATURAL LANGUAGE GENERATION CAPABILITIES TO DESCRIBE THE ENVIRONMENT OF A VISUALLY IMPAIRED PERSON.
DHVANI IS BREAKING THE SOUND OF SILENCE BY ENABLING THE HEARING AND SPEECH IMPAIRED WITH MULTILINGUAL REAL-TIME CAPTIONS. USING THE COMBINED POWER OF AI, THE SOLUTION USES SPEECH-TO-TEXT AND TEXT-TO-SPEECH TECHNOLOGIES.
A virtual registration assistant built using IBM’s Watson technology, Nandini enables job seekers in India with varied disabilities to digitally register themselves in an easy, engaging and accessible manner.
ACCENTURE HAS PILOTED A NEW PLATFORM THAT USES ARTIFICIAL INTELLIGENCE AND THE EASE OF VOICE TO HELP OLDER PEOPLE MANAGE THE DAUNTING CHALLENGES OF NAVIGATING THEIR CARE DELIVERY AND WELL-BEING. IN PARTNERSHIP WITH AMAZON, THE PLATFORM ALSO ENABLES CAREGIVERS TO CHECK ON THE INDIVIDUAL’S DAILY ACTIVITIES.
ELDERLY CARE PILOT
SOLUTION

HOME CARE IS A COMPANION FOR THE ELDERLY TO ASSIST WITH EVERYDAY TASKS MAKE THE MOST OUT OF EVERYDAY.

MIND
- Routines: Personalise what you hear first thing in the morning
- Video Calling & Messaging: Make video calls/send messages to friends, family or carers
- Music: Listen to music, the radio or audio books
- Learning: Get the latest news from your preferred provider
- Reminders: Set reminders for yourself by voice only

BODY
- Health Appointments: Manage doctor & dentist appointments
- Medicine Reminders: Schedule medicine reminders
- Activity: Track activity, share progress with friends
- Events: Updates on local events in the area
- Exercise: Join in with exercise or yoga videos

HOME
- Home Security: Evening checks
- Grocery Shopping: Order groceries and manage delivery
- Home Services: Booking a cleaner / gardener etc.
- Banking: Manage bills, transfers and statements
- IoT: Check who is at the door, turn on lights & heating
Fjord designed a wheelchair training program that simulates spatial negotiation tasks and navigation obstacles a wheelchair user might encounter, using virtual reality.

Chaotic Moon created a fitness tracker for a wheelchair. The prototype uses an algorithms that fuses the biometric data of the user with the physics of the body in motion.
THE NATIONAL THEATRE’S “OPEN ACCESS SMART CAPTURE SERVICE” OFFERS AN APPROACH TO ASSISTING THEATRE GOERS WITH ACCESS NEEDS. THIS SERVICE HARNESSSES AUGMENTED REALITY, SPEECH FOLLOWING SOFTWARE AND AUDIO DESCRIPTION SERVICES TO DELIVER CAPTIONS ON THE EPSON SMART GLASSES.
TOGETHER WITH EXPERTS IN DEMENTIA CARE, WE CREATED ANN - AN IBM WATSON VIRTUAL AGENT THAT HELPS BRIDGE THE COMMUNICATION GAP BETWEEN PEOPLE SUFFERING FROM DEMENTIA, AND THEIR FAMILY AND CARE GIVERS.
HOW MIGHT WE EMPOWER AND IMPROVE THE LIVES OF THE ELDERLY AND INDIVIDUALS WITH SPECIAL NEEDS THROUGH DIGITAL?