BASIS SOFTEXPO 2017
February 1-4, 2017

WORLD INFORMATION TECHNOLOGY AND SERVICES ALLIANCE
WITSA

Daffodil International University

SEMINAR ON
RECOMMENDATIONS FOR IT EDUCATION FROM WCIT 2016

Md. Sabur Khan

Chairman, Board of Trustee, Daffodil International University

Venue :
Media Bazar, BICC, SOFTEXPO 2017

Friday, February 03, 2017
3:00pm to 5:00pm

Discussion Outline

- About WITSA
- About WCIT
- Recommendations for IT Education
- Dynamics at Daffodil International University
- Conclusion

About WITSA

- **WITSA** = **World Information Technology and Services Alliance** formed in **1978**
- A global consortium of leading ICT industry association members from over **80 countries**
- WITSA aims to drive **transformation and grow the industry** considering ICT as the key driver for global economy
- See detail at **www.witsa.org**

About WCIT

- **WCIT** = World Congress on Information Technology , first held in **1978**
- **WCIT connects users, providers, media, industry and academia for business development using ICT**
- WITSA's World Congress on IT (WCIT) is an ideal way to inform, encourage and support global collaboration on IT for business development

About WCIT 2016 @ Brasilia, Brazil

- WCIT 2016 drives for **Digital Age** promise
- WCIT 2016 came-up with **16 recommendations**
- Each recommendations through **Key Note Address** from **World Experts** on the subject matter followed by panel discussants
- Each recommendation discussed findings and proposed recommendations

One Picture One History

About WCIT 2016 @ Brasilia, Brazil

- The recommendations are at a glance:

RECOMMENDATIONS

1.1 The Global State of ICT Readiness Keynote Address (Dr. Soumitra Dutta)
1.2 CIO Perspectives/Bringing Digital & Transformation Together
1.3 The Global State of Broadband /The Key Ingredient for a Hyperconnected World
1.4 Smart Cities- Smart ICT for Smart Cities: Impacting Citizens'' Lives
1.5 The State of the State of Cybersecurity
1.6 International Trade and Digital Developments
1.7 The Global Government Marketplace in the Digital Age (George Newstrom)
1.8 Building and Sustaining a Thriving ICT Sector in Developed and Emerging Markets/Paths to Growth-How nations are succeeding
1.9 National Digital Strategies/Agenda & ICT Policy Priorities/Adopt or Create?
1.10 Women in Technology (Aline Sordili)
1.11 Keynote Address/"Unfinished business: Internet in the 21st Century" (Dr Vint Cert)
1.12 Public / Private Partnerships/Can Public Private Partnerships increase the impact of ICT?
1.13 Unlocking the Secrets and Business Value of Digital Innovations (*pending*)
1.14 Internet Governance (*pending*)
1.15 Open Data Transparent Government, Accountable, Transparent Government: The Real and Potential Value of Open Data
1.16 The Impact of ICT in Education & Learning (*pending*)
1.17 The Future of Work
1.18 The Global State of Health Care & Impact of ICT
1.19 Cloud Computing - Implications & Impact (Joe Weinman) (*pending*)

WCIT 2016 Recommendations for IT Education

Direct impact on IT Education

RECOMMENDATIONS

1.1	The Global State of ICT Readiness Keynote Address (Dr. Soumitra Dutta)	04
1.2	CIO Perspectives/Bringing Digital & Transformation Together	06
1.3	The Global State of Broadband /The Key Ingredient for a Hyperconnected World	08
1.4	Smart Cities- Smart ICT for Smart Cities: Impacting Citizens'' Lives	10
1.5	The State of the State of Cybersecurity	12
1.6	International Trade and Digital Developments	14
1.7	The Global Government Marketplace in the Digital Age (George Newstrom)	16
1.8	Building and Sustaining a Thriving ICT Sector in Developed and Emerging Markets/Paths to Growth-How nations are succeeding	17
1.9	National Digital Strategies/Agenda & ICT Policy Priorities/Adopt or Create?	19
1.10	Women in Technology (Aline Sordili)	22
1.11	Keynote Address/"Unfinished business: Internet in the 21st Century" (Dr Vint Cert)	23
1.12	Public / Private Partnerships/Can Public Private Partnerships increase the impact of ICT?	25
1.13	Unlocking the Secrets and Business Value of Digital Innovations (*pending*)	TBC
1.14	Internet Governance (*pending*)	TBC
1.15	Open Data Transparent Government, Accountable, Transparent Government: The Real and Potential Value of Open Data	27
1.16	The Impact of ICT in Education & Learning (*pending*)	TBC
1.17	The Future of Work	29
1.18	The Global State of Health Care & Impact of ICT	31
1.19	Cloud Computing - Implications & Impact (Joe Weinman) (*pending*)	TBC

1.4 Smart Cities

- **Objectives** (applicable to IT Education):
  - To understand evolution and trends in implementation of smart city technologies
- **Recommendations** (applicable to IT Education):
  - 3. **Academic, public and private sectors** need to join as partners in the **exploration**, **planning**, and **implementation** of Smart City **Technology**, **Infrastructure** and **Services**

1.5 State of State of Cyber Security

- **Digital Age** is continuously threaten by **Cyber Security**
- New threats are based on technological innovations
- **Internet of Things (IoT)** education with Cyber Security management skill is the most demanding of the time.

1.8 Building and Sustaining a Thriving IT Sector

- Working towards **Digital Economy** through:
  - Mutual collaborations and participation
  - Co-creation and co-developments
  - Growth based digital economy

1.9 National Digital Strategies

- Develop **Digital Agenda** based on priority for National development
- Review **Digital Agenda** through periodic review of the development
- **Digital Agenda** based educational development

1.10 Women in Technology

- **Educate girls using IT**
- **Engage in Code Girl Challenges**
- **Engage in NGPC (National Girls Programming Contest)**
- **Engage in “code for change”**

Dynamics at Daffodil International University

We believe in

100% employment

"Every Graduate: A Potential Employer"

Dynamics at Daffodil International University

- Curricula Enhancement
- Smart Card and Student Tracking
- Big Data and Cloud Integration
- IoT in the Classroom
- Cyber security
- Empowerments

Curriculum Enhancement

- CSE, SWE and MTCA curricula is updated (on regular basis):
  - Embedded Systems Design
  - Internet of Things (IoT)
  - Big Data and Analytics
  - Cloud Development and Management
  - Cyber Security
  - Mobile Apps Design and Development
  - Data Center Design and Management

Smart Card and Student Tracking

- Our students are provided with Smart Card and one single point of service delivery
- RFID implementation creating an eco-system for campus presence of student
- Attendance in the classroom is automated using system intelligence
- Students are enjoying essence of technology

Big Data and Cloud Integration

- Data Center at the university is playing the central role
- Moodle LMS is customized for professional online delivery of learning modules
- Social Media including Google education products like Google classroom is deployed for students
- Learning Feedback system is widely for virtual collaborations

IoT in the Classroom

- **Modern digital classrooms are developed using Internet of Things (IoT) to enable:**
  - **Classroom session management and monitoring**
  - **Monitoring of classroom learning**
  - **Students interactions with the learning repositories**
  - **Classroom environment management**

Cyber Security

- Cyber Security Lab setting up new mileage for skill developments
- Professional courses from EC council and SANS
- Research based tool development for persistent threat modeling
- Cyber Security awareness program

Empowerments

- We believe in empowerments
- Daffodil International University devoted to Entrepreneurship development
- Only university in Bangladesh offers Bachelor program in Entrepreneurship
- Our students believes in employment creation
- Startup Market, Business Incubator are a few to mention the drives

Conclusion

- **WCIT 2016 recommendations focuses on Digital Nation, Digital Agenda and living with digital services**
- **IT education is the most crucial player to utilize the digital agenda to its fullest**
- **Continuous adoption of recommendations with scale up approach is the key to success**

Thanks for Patience Hearing

Your Thoughts?