

DIGITAL CONNECTIVITY – SOCIAL IMPACT



Venue: LE MERIDIAN

Date: 23, 24 & 25 JAN' 2017

DAY – 1

Session 1 – CYBERSECURITY: A DIGITAL ACCELERANT

–Mr.Anand Ramamoorthy, Intel Security Inc.

Cybersecurity is the body of technologies, processes and practices designed to protect networks, computers, programs and data from attack, damage or unauthorized access. In a computing context, **security** includes both **cybersecurity** and physical **securities**.

Security – As data grow threat & vulnerability grows. The four significant pillars in cybersecurity are Evolving Threatscape, Device & Data Proliferation, Cloud and Mobility.

TRADITIONAL PROTECTION

Threat Defense Life Cycle

Protect – Reduce attack surface for malware & exploits across a dynamic end point.

Detect – Need to optimize security operations to detect & correct breaches.

Correct – Use external intelligent for protection & security.

Open Communication Fabric – Collaborative Fabric based ecosystem.

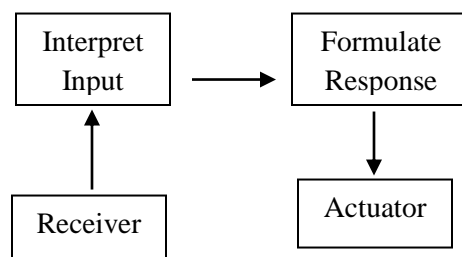
Session 2 – ARTIFICIAL INTELLIGENCE: Where to begin?

– Mr.Sanjay Podder, Accenture Labs.

The theory and development of computer systems are able to perform tasks normally require human intelligence, such as visual perception, speech recognition, decision-making, and translation between languages.

Deep Learning – AI Approach – Internet of Birds – Speech recognition – Empowering the physically challenged.

Model for physically challenged: a simplistic model



Scanner Reader: Helps to read newspaper – includes smiley’s –Automatic Translates – Text to speech system for Indian Languages.

PANEL DISCUSSION

APOLLO TELE HEALTH SERVICES

– Dr.Ganapathy, Apollo Hospitals

Impact of IT on Healthcare – Technology to share – Remote Healthcare – Healthcare Trends – Digital healthcare Eco system – Mobile Personal Health Record – Dashboard – Virtual Reality as a training tool – Digital health landscape – Cloud in healthcare – E-Health – Enhancing the Patient & Health Experience.

DIGITAL CONNECTIVITY – SOCIAL IMPACT & AGRICULTURE

– Ms Nancy J Anabel, MSSRF

Linking Science in Society - Village Resource Centre – Mobile Soil & Water Testing Lab – Plant Clinic – Soil Test.

Linking Information & Information and Communication Technology – Mobile Enabled Service – Digital Fertilizer.

Benefits:

- Farmers controlled the Pest and disease incidents.
- Improved soil health.
- Improved knowledge among farmers.
- Improved access to technology.

FISHER FRIEND MOBILE APPLICATION

Fishermen can access weather forecasts, emergency contacts and fishing zones.

TECHNOLOGY IN & FOR EDUCATION

– Prof.D.B.Phatak, IIT Mumbai

Education Process – Future essential – Knowledge & Skills – Net book device – Spoken tutorial – Virtual Labs – Discussion at Classrooms – Online Lectures.

Faculty Development Program

- Skill Training
- Modeling learning behavior
- Lifelong learning
- Faculty Training
- Grade/Secure

DAY – 2

PAPER PRESENTATION

AN RFID CLOUD AUTHENTICATION PROTOCOL FOR OBJECT TRACKING SYSTEM IN SUPPLY CHAIN MANAGEMENT

- Ms S Anandhi, R Anitha and Venkatasamy Sureshkumar

Supply Chain Management

Entities: Active tag, Reader & Cloud Server.

Message Authentication Code (MAC)

Security Analysis

GRAPH CUT BASED SEGMENTATION METHOD FOR TAMIL CONTINUOUS SPEECH

- Ms B R Laxmi Sree and M S Vijaya

Obj: Phonetic Level

Tech: Graph cut base algorithm

Optimal cut: Disassociation

ASSESSMENT OF BONE MINERAL HEALTH OF HUMANS BASED X-RAY IMAGES USING INFERENCE

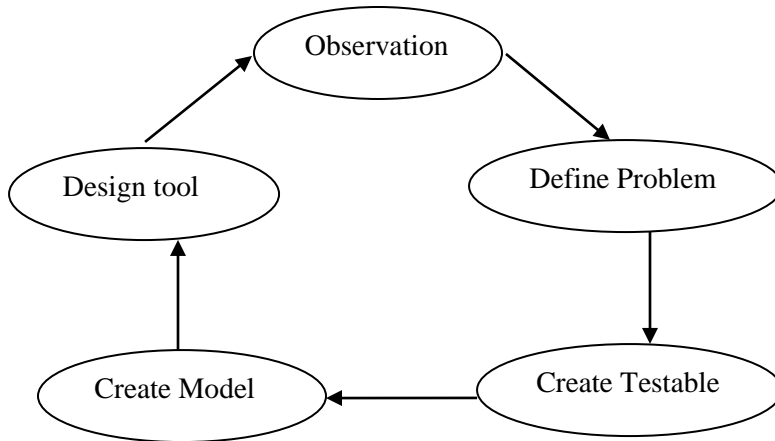
- Geetha Ganapathi and N Venkatesh Kumar

- Pattern Matching Algorithm
- Content Analysis

DAY – 3

PANEL DISCUSSION

BIG DATA TRENDS AND CHALLENGES



- Synthesis required taking action.
- Analytics followed by synthesis Model.
- GE Analytics.
- Applied IoT & Analytics

STARTUPS – COIMBATORE:

SPEECH RECOGNITION

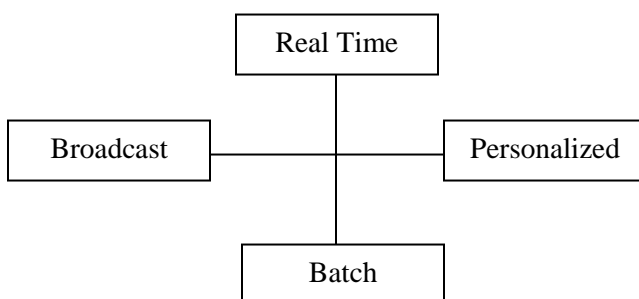
Building conversation system that is contextual as well as delivery of analytics at scale.

EDUCATION

Three Leap learn to think

- Interface
- Infrastructure
- Intelligence

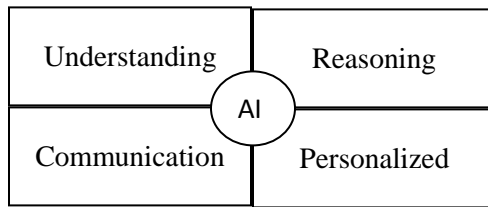
DECISION QUADRANT



- Same Curriculum	- Lack of Mastery learning
- Same teaching place	- Struggling Kids
- Same style/context	- Smart kids
- Same homework	- Private tuitions
- Same assessment	- Parental pressure

Personalized education at planet scale – Virtual Teaching Mechanism.

TEACHING MECHANISM:



- Analytics in Educational sector
- Feedback
- Thinking of data
- Practical Training.