

Academia Industry Engagement Model

Capacity Building – Geospatial Technologies

Rajesh C Mathur
Advisor
Esri India Technologies Ltd.

Environment Scan

- **GIS is now an integral part of mainstream IT**
- **Leveraging contemporary technologies like Web/Cloud, IoT, Mobile, LiDAR, etc. to build content and deliver services**
- **GIS getting embedded into several business processes and workflows**
- **A powerful platform for decision support systems**
- **Enabling technology for digital transformation**
- **Will drive several mission critical projects of Indian Government:**
 - **Smart Cities**
 - **Digital India**
 - **Land Reforms**
 - **Infrastructure Development**
 - **.....**

Challenges

- **Re engineer business processes and workflows**
- **Availability of geospatial content**
- **Enabling policy framework**
- **Collaboration and data sharing between departments**
- **GIS awareness among decision makers**
- **Availability of high caliber technical manpower**

**Availability of
High Caliber GIS Manpower
will be one of the
Critical Success Factors**

Stakeholders

- **Leadership**
 - **Must appreciate the value of location as key information parameter**
- **Executive**
 - **Willingness to reengineer existing business processes and workflows**
- **Technologist**
 - **Various role holders – Solution Architects, Data Base Analysts, Developers**
 - **Domain knowledge**
 - **Expertise on contemporary geospatial technology**
 - **Project Management Skills**

**Strong Need for Academia Industry Collaboration
for
HR Capacity Building**

Collaboration Goals

- **Train the Trainer Program**
- **Course Curriculum Review**
- **Internship for Students**
- **Technology Updates from the Industry**
- **Support in establishing Labs**
- **Research Projects**

Esri India Academia Council

- **Platform for ongoing interaction between academic institutions and industry**
- **Will facilitate joint efforts to strengthen existing GIS courses**
- **Refresher programs for faculty**
- **Regular technology brief**
- **First meeting held on 20th January, at Esri India User Conference**

Thank you

GIS Users



*Leveraging Our Collective Geospatial Investments . . .
. . . Making Maps and GIS Available to Everyone*