

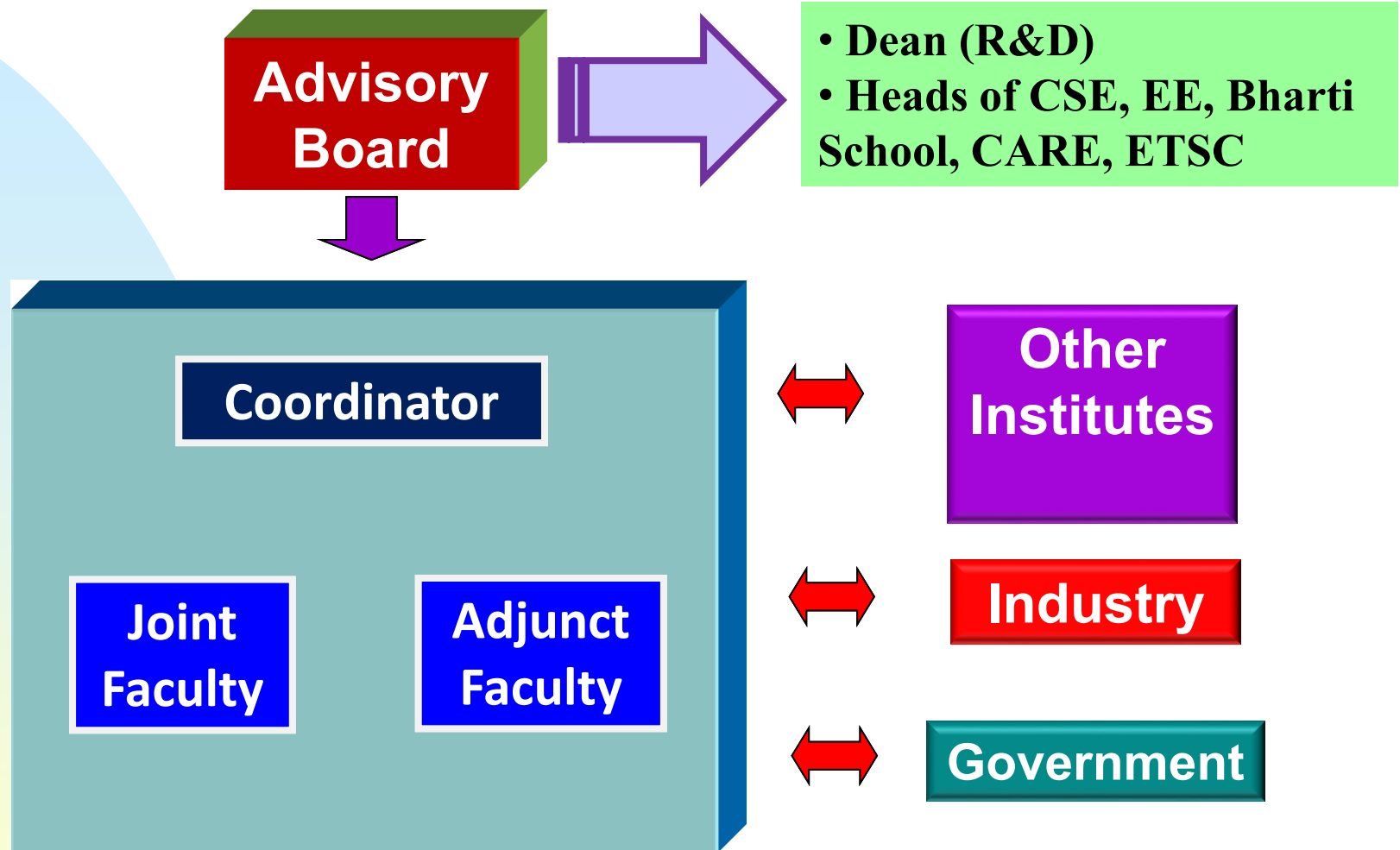


Center of Excellence in Cyber Systems and Information Assurance

Ranjan Bose
Founding Head
Jan 2014 – present



Structure of the CoE



Mission



To conduct basic and applied research in the area of Cyber Systems and Information Assurance

To train professionals in the area of Cyber Systems and Information Assurance

To collaborate with industry, government and academia

To provide community outreach



Objectives of CoE-CSIA



To foster **cutting-edge research** in the area of Cyber Systems and Information Assurance.

To train manpower and contribute to **capacity building**.

To develop content and offer **Short-Term Courses / Workshops** for industry, government and academia.



Collaboration outside India



University of Nebraska, US



Tallinn University of Technology, Estonia



University of Maryland, US



University of Albany, US*



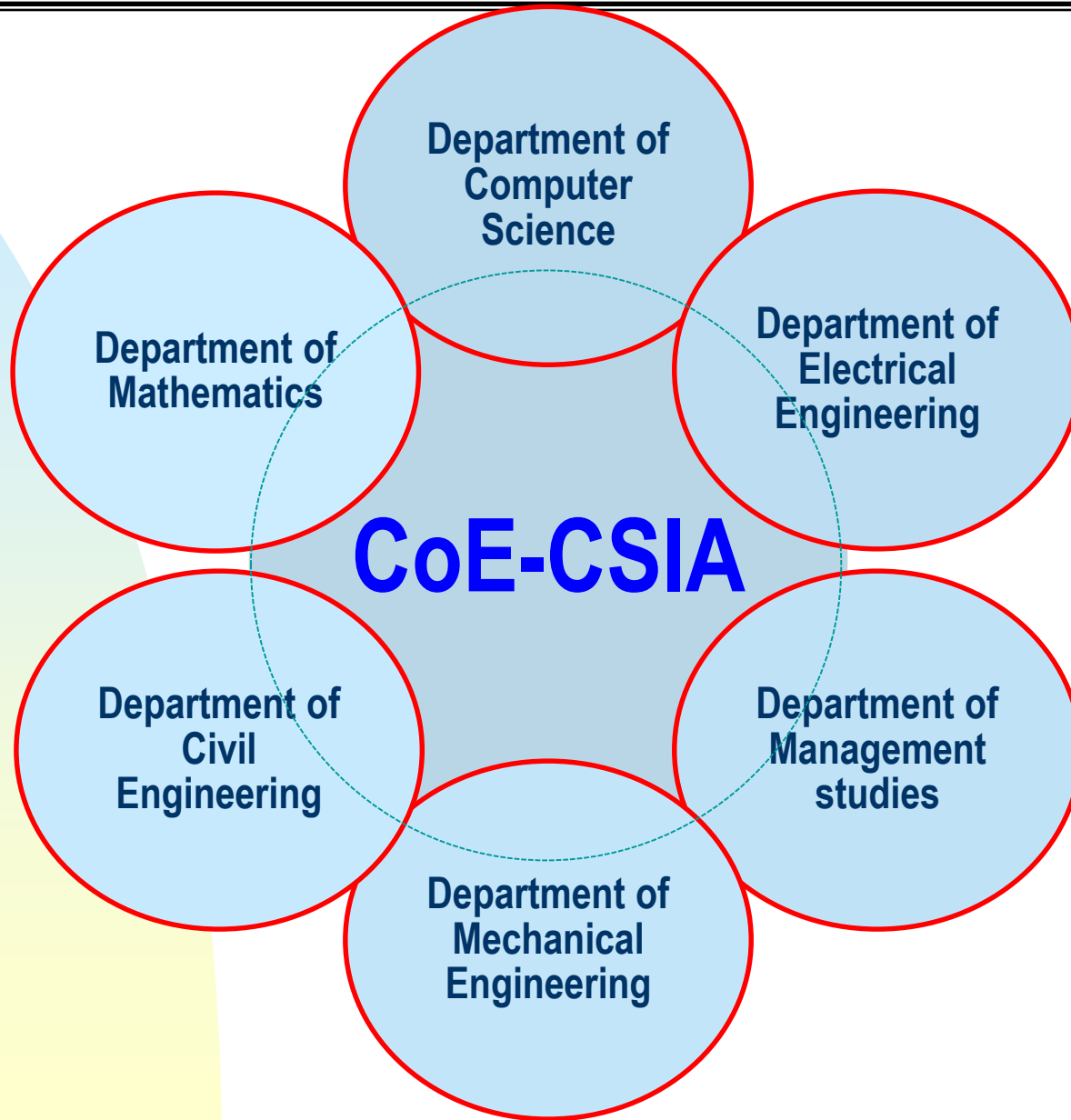
Kyushu University, Japan



Newcastle University, UK*



CoE-CSIA is inter disciplinary



Associated Faculty Membe



- Ranjan Bose (EE)
- Huzur Saran (CSE)
- Sanjiva Prasad (CSE)
- Saroj Kaushik (CSE)
- Kolin Paul (CSE)
- Vinay Ribeiro (CSE)
- Ragesh Jaiswal (CSE)
- Smruti R. Sarangi (CSE)
- Subodh Sharma (CSE)
- B.K. Panigrahi (EE)
- Nilanjan Sen Roy (EE)
- Bhim Singh (EE)
- Harshan Jagadeesh (EE)
- Shankar Prakriya (EE)
- Saif Mohammed (EE)
- Ravi Shankar (DMS)
- P. Vigneshwara (DMS)
- M P Gupta (DMS)
- Arpan Kar (DMS)
- Suresh Bhalla (Civil)
- S P Singh (Mech)
- Niladri Chatterjee (Maths)



Faculty Expertise

- **Expertise in**
 - **IoT Security**
 - **Smart Grid/Power Systems Security**
 - **Mobile and Wireless Systems**
 - **Hardware/Embedded Systems**
 - **Network Systems**
 - **Formal methods**
 - **Domain Engineering (Mechanical, Civil, ...)**
 - **Health IT**
 - **Theory**
 - **Policy**



Broad Activities



Ongoing Research Areas

- Security of the Smart-grid
- Wireless security and Mobile Security
- Network Security
- Internet of Things
- Wide area monitoring, protection & control
- Improving critical infrastructure cyber security
- Next-generation security technologies
- Bio-inspired technologies for enhancing cyber security
- Understanding and monitoring systems / networks
- Cyber security in Online Social Media (OSM)
- Malware / Botnets / Application layer security
- Risk identification, reduction, mitigation and management



CoE-CSIA Webpage

<http://csia.iitd.ac.in/>

Thank you!

