

Research Collaboration between NICT and Institutes in India

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Outline of NICT

The sole national research institute in the field of information and communications technology in Japan

★ Main operations

- R&D in the area of information and communications technology (ICT)
- Support for those conducting R&D in advanced telecommunication and broadcasting
- Promotion of enterprises in the telecommunication and broadcasting area

★ Budget (FY2010) &

Personnel (as of, April 2010)

- Budget : 35.13 billion yen
- Personnel: Total employees: 865
Total researchers: 521
PhDs : 398 (about 76.4%)



President
Dr. Miyahara

Relations between NICT and Institutes in India to Date

★ **August 2005: Signing of MOUs with C-DAC and IITG.**

C-DAC: Centre for Development of Advanced Computing

IITG : Indian Institutes of Technology, Guwahati

- **Promotion of collaborative research between NICT and C-DAC.**
- **Promotion of land-based wireless communication, satellite communication, ubiquitous technology and other research areas with IITG.**

★ **From 2008 to March 2011: Collaboration on facial image recognition technology with C-DAC in Kolkata.**

★ **From March 2009: Preparation for collaborative experiments on high speed satellite communications by using “KIZUNA” (WINDS: Wideband InterNetworking engineering test and Demonstration Satellite) with NARL, ISRO and other related organizations.**

NARL: National Atmospheric Research Laboratory

ISRO : Indian Space Research Organization

★ **May 2010: NICT delegation visited India.**

NICT Delegation in India

1 Objectives

NICT delegates visited India to learn about the latest trend in ICT R&D and to discuss potential research collaboration areas of common interest.

2 Period

May 7- 13, 2010

3 Institutes

- IIT Hyderabad and IIT Mumbai

IIT: Indian Institutes of Technology

- C-DAC in Hyderabad, Pune and Noida

- NPL in New-Delhi

NPL: National Physical Laboratory

- ERNET in New-Delhi

ERNET: Education and Research Network India

- KIIT in New-Delhi

KIIT: Kalinga Institute of Industrial Technology

4 Participants

11 delegates, including vice-president, executive directors and research group leaders



- ★ **Signing of MOU between NICT and IITH today**
- ★ **NICT to initiate coordination with Indian institutes on new research collaboration as described below:**
 - ① **Cooperative research on wireless sensor networks with IITH**
 - ② **Cooperative research on multi-lingual communication and image transmission technologies with C-DAC and KIIT**
 - ③ **Cooperative experiments on new generation network research by using Asian research development network with ERNET**
 - ④ **Cooperative observation of low latitude ionosphere-atmosphere coupling and data exchange with NARL**
 - ⑤ **Technical assistance and personnel exchange in the area of time and frequency standards with NPL**
 - ⑥ **Cooperative experiments of high speed satellite communications using KIZUNA with NARL, ISRO and other related organizations**