



Telecom Centres of Excellence

A Public Private Partnership Initiative

TCOE India is happy to present its first newsletter. We look forward to sharing the latest news from TCOE India every three months starting this June. We solicit your suggestions for improvement. For more information on TCOE India, Please visit <http://www.tcoe.in/>

Meetings at TCOE India

- 2nd April 2009: Third Steering Committee Meeting of [TICET](#) held at IIT Bombay
- 20th March 2009: Second Core Group Meeting of [VEICET](#) held in at Kolkata
- 18th March 2009: Second Coordinators' Meet held at Sanchar Bhavan, New Delhi
- 4th March 2009: First Core Group Meeting of [RITCOE](#) held at IIT Madras
- 3rd March 2009: Second Core Group Meeting of [AICET](#) held at IIT Delhi



Projects at TCOE India

- 69 projects, identified jointly with industry, are in progress. Some of the areas covered are:
 - Rural Applications and Technology: 14 projects
 - Energy and Telecom Infrastructure: 12 projects
 - Security and Disaster Management: 7 projects
 - Telecom Policy and Impact: 6 projects
 - Next Generation Networks: 5 projects
- Major National level projects on Telecom Entrepreneurship development and standardization activities have been initiated.

TCOE India-The path traversed

The explosive growth and daily innovations in Telecom Industry are throwing up many technical, managerial, regulatory and socio economic challenges, as well as, opportunities. To live up to these challenges and best utilise the opportunity of reaching telecom, with its attendant multiplier effect, to the masses, the importance of Research and Development, innovations and talent building in the country cannot be overemphasised. The New Telecom Policy 1999 (NTP99) of Government of India recognized this and laid great emphasis on Research and Development.

It is in pursuance of the NTP99 goals that the Telecom Centres of Excellence were established. The TCOE initiative brings together premier technical and management institutions of the country, telecom service providers and the Government (DoT) as an excellent example of Public Private Partnership (PPP).

TCOE	Host Institute	Industry Partner
TICET	IIT Bombay	Tata Teleservices
IITCOE	IIM Ahmedabad	Idea Cellular
VEICET	IIT Kharagpur	Vodafone Essar
AIIScCET	IISc Bengaluru	Aircel
AICET	IIT Delhi	Airtel
BITCOE	IIT Kanpur	BSNL
RITCOE	IIT Madras	Reliance Comm.

TCOE India : International Collaboration

- ITU-R has accepted TCOE India as one of the [12 evaluating groups](#) for the radio interface technology candidate for IMT-A standards (4G technology)
- The two likely candidates are IEEE 802.16m (WiMAX) and LTE-A (3GPP). This opportunity will benefit the TCOEs through:
 - Capacity building and contributions to the standardization activities
 - Providing TCOE sponsors an opportunity for thorough evaluation of the 4G standards
 - Generation of pool of engineers with expertise on 4G standards for the Indian telecom industry, setting the stage for TCOE to generate IPRs
 - Formation of working groups for the evaluation is underway and a training

TCOE in News



- An International Seminars was conducted by TCOE India on 12th December 2008 on 'How India can become a leader in wireless communications' in New Delhi [View Details](#).
- TCOEs' R&D potential showcased in India Telecom 2008 Exhibition. 16 projects in all were demonstrated [View Details](#).

Upcoming TCOE Events

- TCOEs to participate in India Telecom 2009, to be held from 3rd – 5th December 2009 in New Delhi
- Joint workshop on Mobile Commerce (with ITU & IIT Madras) scheduled for Sep 2009

reply to cc@tcoe.in

Our mailing address is:
Coordination Centre
 Telecom Centres of Excellence, India
 C-DOT Campus, Mandi Road, Mehrauli,
 New Delhi - 110030, India

Our telephone Lines:
 Tel: 011-26598681-82
 Fax: 011-26805318

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workshop for the participants will be organized in July 2009

- The TCOEs have ongoing collaboration with various international universities and R&D centres such as Stanford University, Carnegie-Mellon University, Technical University-Dresden and Vodafone Global R&D Centre



Entrepreneurship Development and TCOEs

Apart from the support provided to entrepreneurs at each of the 7 centres, TCOE India is in the process of setting up Telecom Entrepreneurship Development Centre (TEDC) to encourage entrepreneurs in Rural Telecom Technology area. The TEDC will also provide business development support and angel funding to these entrepreneurs for their endeavours.

The TEDC will be set up under the leadership of IITCOE, CIIE, IIM Ahmedabad with the support of TCOEs and C-DoT.

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