Support start-up Ecosystem

Capacity Building

Think Tank Activities for Policy Advocacy

Influencing Telecom Standards

Enabling Environment for Industry Driven R&D

TCOE India

Telecom Centres of Excellence
A Public Private Partnership Initiative

Visit us at: www.tcoe.in, Email: director.cc@tcoe.in
Telecom Centers of Excellence

A Public Private Partnership (PPP) aimed at creating an environment of Innovation in Telecom through scientific R&D and promote specific product & application development

- A service provider + a University + a theme
- Governed by Department of Telecommunications (DOT), India

Innovation in telecom through R&D - Help policy and regulation in telecom
- Frugal innovation - Aid telecom startups
TCOE India Activities

- Coordinator for 5G India 2020
- Telecom Entrepreneurs Square
  - 4 Start Up under incubation
- Created 87 technologies up to Proof of Concept (POC) / Prototype stage
- 4 Startups created + IPRs and Patents
- Evaluated IMT-Advanced
  - Now, Evaluator for IMT 2020
- Mobile App Development Ecosystem (I-MADE)

Leverage the experience with IMT-A evaluation
Background to our Interest & Involvement

India has a demographic split, with half of the population living in rural areas. Broadband connectivity is yet to reach a significant population of our citizens.

The Indian government has several ambitious projects that would demand better broadband connectivity (Digital India, Make in India, BharatNet, etc.).

India now has ambitious goals on standards and technology design & development. There are state funded programs on 5G technology, test bed, pilots, etc.

The prime's objective is to engage the pool of skilled engineers and entrepreneurs in this evaluation activity.
IMT 2020 Technical Evaluation Members

Website link: https://imt2020-ieg-tcoe.in/members/
Organizational Structure

TCoE India

Administrative Coordinators

Technical Coordinators

TCoE India IMT2020 Evaluation Group Members

Multiple Technical Groups
High level Work Plan

- **Tech Performance Requirements** *(Rep M.2134)*
- **Evaluation criteria & method** *(Rep M.2135)*
- **Proposals** *(IMT-ADV/4)*
- **Evaluation** *(IMT-ADV/11 thru)*
- **Outcome** *(Rep M.2198)*
- **“IMT-2020” Specifications** *(Rec.M.2012)*

**Workshop**

**Evaluation of identified RIT / SRIT’s**

**Consensus building**

**Background & Process** *(IMT-ADV/1 & 2)*

**Capacity building**

**Simulator development**

**External liaisons**

**Evaluation of identified RIT / SRIT’s**

**Report preparation**

**WRC-18/19**

**5D #27**

**5D #28**

**5D #29**

**5D #30**

**5D #31**

**5D #32**

**5D #33**

**5D #34**

**5D #35**

**5D #36**
Evaluation Team Capabilities

• A team of more than 50 technical leads spanning academia, industry and R&D institutes
• Many with prior standardization exposure in international bodies like 3GPP, IEEE, OneM2M, ITU, etc.
• Strong portfolio of exposure on L1, L2 and L3 aspects
• Connected with the folks part of TCoE India IMT-A evaluation
• Identified technical coordinators for liaison with ITU, proponents and others
• Assures cooperation on the evaluation process, will perform independent evaluation, and deliver timely reports to WP5D
Contact Information

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