The IP Multimedia Subsystem (IMS) is an architectural framework for delivering internet protocol (IP) multimedia to mobile users. There will be large scale network deployment for IMS in year 2009-10 & IMS based network will be the basis for convergence across wireline & wireless networks. It was originally designed by the wireless standards body 3rd Generation Partnership Project (3GPP), and is part of the vision for evolving mobile networks beyond GSM.

IMS is access-independent. It is a standardized way to deliver IP-based services for the fixed, mobile and cable communities. Tata Consultancy Services (TCS) has designed and developed IMS and IPTV based application having IMS core as a backend which caters to seamless mobility. IMS application provides services operator’s with less time to market and substantial CAPEX/OPEX savings.
Following are the features provided by this application built on IMS core:

- iConverse involves multiple protocols like SIP and HTTP and interfaces between multiple entities of the IMS core.
- It captures the user voice in an ongoing conversation, applying voice to text conversion mechanism and search the text description over the internet.
- In this service, words from an ongoing conversation are recorded by the IMS Client and transmitted to an Application Server over the IMS Core.
The Application Server then does speech to text conversion & Query execution. Abstracts of the search results from “Wikipedia” are sent back to the client over a customized user interface-Instant Messaging (IM) pop-up.

**Deliverables:**
- Reference design with iConverse source code
- High level architecture document
- Application solution
- User guide

**Road Map:**

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About Tata Consultancy Services (TCS)

Tata Consultancy Services is an IT services, business solutions and outsourcing organization that delivers real results to global businesses, ensuring a level of certainty no other firm can match. TCS offers a consulting-led, integrated portfolio of IT and IT-enabled services delivered through its unique Global Network Delivery Model™ recognized as the benchmark of excellence in software development.

A part of the Tata Group, India’s largest industrial conglomerate, TCS has over 100,000 of the world’s best trained IT consultants in 50 countries. The company generated consolidated revenues of US $5.7 billion for fiscal year ended 31 March 2008 and is listed on the National Stock Exchange and Bombay Stock Exchange in India. For more information, visit us at www.tcs.com.

Contact us at

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