Cloud Computing Innovation Council for India
Industry Connections Activity Initiation Document (ICAID)
Version: 1.0, 05 June 2013

Instructions

- Instructions on how to fill out this form are shown in red. It is recommended to leave the instructions in the final document and simply add the requested information where indicated.
- Shaded Text indicates a placeholder that should be replaced with information specific to this ICAID, and the shading removed.
- Completed forms, in Word format, or any questions should be sent to the IEEE Standards Association (IEEE-SA) Industry Connections Committee (ICCom) Administrator at the following address: industryconnections@ieee.org.
- The version number above, along with the date, may be used by the submitter to distinguish successive updates of this document. A separate, unique Industry Connections (IC) Activity Number will be assigned when the document is submitted to the ICCom Administrator.

1. Contact

Provide the name and contact information of the primary contact person for this IC activity. Affiliation is any entity that provides the person financial or other substantive support, for which the person may feel an obligation. If necessary, a second/alternate contact person's information may also be provided.

Name: Pamela Kumar
Email Address: pamelakumar@ieee.org
Phone: +91-98-454-44774
Employer: Not Applicable
Affiliation: Self

2. Type of Activity

Specify whether this activity will be entity-based (participants are entities, which may have multiple representatives, one-entity-one-vote), or individual-based (participants represent themselves, one-person-one-vote).

Individual-Based. During the Incubation Phase this will be individual based. These individuals represent the key entities in the Cloud Computing Eco-system.

3. <u>Purpose</u>

3.1. <u>Motivation and Goal</u>
Briefly explain the context and motivation for starting this IC activity, and the overall purpose or goal to be accomplished.

Motivation: Cloud Computing promises to be the "next big thing" in IT infrastructure and is poised to enable the next gen computing framework for the emerging markets. We present a proposal to create an innovation council, consisting of experts across industry, academia and professional bodies which will serve as a think-tank for driving technological innovations across the Cloud Computing ecosystem in India.

Goals: This council has the following goals

1. Publishing a white paper outlining a 3 to 5 year roadmap for Innovations around CLOUD COMPUTING to:
   – Accelerate the adoption and deployment of Cloud Computing as the IT Infrastructure of choice by various market segments in the country.
   – Accelerate the emergence of India as a globally competitive provider of Cloud Services & Infrastructure.
2. Provide recommendations for:
   – Standards adoption & deployment (Interoperability test bed etc.)
   – Focused research and education initiatives
   – Industry – academia- government collaborations
   – Specific proposals for Innovative Cloud based solutions, delivery models, IP and product development by the
     - Start-up ecosystem
     - IT/ITES (IT Enabled Services) Sector
     - Domestic and Global R&D labs
     - Public Private Partnerships
   – Regulatory, Legislation and Policy issues to promote innovation

3.2. <u>Related Work</u>
Provide a brief comparison of this activity to existing, related efforts or standards of which you are aware (industry associations, consortia, standardization activities, etc.).

1. The Government of India is driving several projects under the guidance of Department of Information Technology (DIT) to promote deployment and adoption of Cloud Computing. The National Informatics Center is executing several of these projects – The National Knowledge Network(NKN), National eGovernance Project (NeGP), etc.
2. DEITY (Deptt of Electronics & IT) has approved the Government of India–CLOUD Initiative and also the Cloud Advisory Group. They are jointly defining the Cloud Computing Strategy for the country.
3. There is already a deep knowledge & expertise available in the country in Cloud Computing and associated technologies, as well as business and regulatory areas applicable to Cloud. Subject matter experts from private and public R&D

institutions, academia and business community have responded very enthusiastically to the call for the formation of this Cloud Computing Innovation Council focused on the unique technological challenges of the emerging markets.
4. Within IEEE - P2302 Intercloud Interoperability Standards and the Cloud Computing Test Bed initiative under Industry Connections are very relevant to the objectives of this initiative.

3.3. <u>Potential Markets Served</u>
Indicate the main beneficiaries of this work, and what the potential impact might be.

The target audience for the white paper and proposals are:
1. National Innovation Council
2. Deptts of Information Technology (at the Centre and state govt. level)
3. Planning Commission
4. Other funding agencies

The intent is to influence the deployment of Cloud Computing across –
- Government (eGovernance, eHealth, eEducation)
- Large enterprises (banks, telecom, transport, manufacturing etc.)
- New SME's (Small and Medium Enterprises)

And also influence development of relevant technologies at –
- Academic institutions
- Domesic and global research & development labs
- Industry – academia – government collaborations, Public Private Partnerships
- Start-up ecosystem
- IT/ITES Sector

4. <u>Estimated Timeframe</u>
Indicate approximately how long you expect this activity might take to achieve its proposed results (e.g., number of weeks/months/years). Also indicate when you expect this activity to be reviewed by ICCom for completion or possible extension (maximum two years).

This Cloud Computing Innovation Council is intended to be incubated within the Industry Connections Program for 1 year, at the end of which the form, structure and associations to launch it as a formal entity will be determined.
Expected Completion/Review Date: June / 2014

5. <u>Proposed Deliverables</u>
Outline the anticipated deliverables and output from this IC activity, such as documents, proposals for standards, conferences and workshops, databases, computer code, etc., and indicate the expected timeframe for each.

- White Paper, First version – Oct 2013
- Constitution of a Formal "CLOUD COMPUTING INNOVATION Council"

6. Funding Requirements

Outline any contracted services or other expenses that are currently anticipated, beyond the basic support services provided to all IC activities. Indicate how those funds are expected to be obtained (e.g., through participant fees, sponsorships, government or other grants, etc.). Activities needing substantial funding may require additional reviews and approvals beyond ICCom.

NONE ANTICIPATED

7. Management and Procedures

7.1. IEEE Sponsoring Committee

Indicate whether an IEEE sponsoring committee of some form (e.g., an IEEE Standards Sponsor) has agreed to oversee this activity and its procedures.

Has an IEEE sponsoring committee agreed to oversee this activity?: No

If yes, indicate the sponsoring committee's name and its chair's contact information, and skip the remaining parts of this section (skip 7.2 and 7.3, below).

Sponsoring Committee Name: Committee Name
Chair's Name: Full Name
Chair's Email Address: who@where
Chair's Phone: Number, including country code

Additional sponsoring committee information, if any.

7.2. Activity Management

If no IEEE sponsoring committee has been identified in 7.1 above, indicate how this activity will manage itself on a day-to-day basis (e.g., executive committee, officers, etc).

- **Council Co-ordinators**
  Pamela Kumar(), CSR Prabhu (NIC), Suhaan Mukerji (NInC), Praveen B (Zinnov), Sri Chandra (IEEE)
- **Team 1: Usage Scenarios & Services Delivery Framework**
  Gopal Pingali (IBM, Team Lead), Satish Vadhyar (IISc), Rohan Joshi (Wolken Software), D. Janakiram (IITM), T.S. Mohan (Infosys), Rahul De (IIMB), Madhusudana Rao (CDAC), Jayaprakash Lalchandani (IIITB), Raghavan Subramanian (Infosys), Prashant Gupta (Microsoft), Annapoorna + BM Rao(NIC)
- **Team 2: Platforms & Infrastructure**
  Sandeep Dhar (CISCO, Team Lead), Prabhakar+Amir+Shyam(VMware), Prof. Shyam Sundar (TIFR), J Lakshmi (IISc), Santhosh (NetApp), Geetha Manjunath (HP), Ashish Asthana (NIC), Haridas Pai(WIPRO), Kailash+Payal+Vineet(CDAC), Vinod(Novatium), Venkat Jaganna(IBM)
- **Team 3: Cloud Enablement Framework**

Prof Rahul De+Laxmi (IIM-B, Team Lead), Prahlada Rao (C-DAC), Debu Nayak (Huawei), Nitin Upadhyay (Samsung), Geetha Manjunath (Xerox), Satish Babu (ICFOSS), Santhosh (NetApp), Mohan (NIC)

The team leads will drive weekly / bi-weekly checkpoints and at the council level there will be a monthly checkpoint meeting to track progress.

7.3. Procedures
If no IEEE sponsoring committee has been identified in 7.1 above, indicate what documented procedures will be used to guide the initial operations of this activity (e.g., the *Industry Connections Activity Baseline Procedures*).

The ICCom baseline Policies and Procedures for Individual-Based Activities will be adopted and adapted where necessary.

8. Participants

8.1. Stakeholder Communities
Indicate the stakeholder communities (the types of companies or other entities, or the different groups of individuals) that are expected to be interested in this IC activity, and will be invited to participate.

1. Government Agencies (DIT, NInC, NIC , TEC, TRAI, etc.)
2. Academia (IISc, IITs, etc.) & R&D organisations (CDAC, CDOT, etc.)
3. Consumers (eGovernance, eHealth, eEducation, Large businesses, SMEs)
4. Service Providers (IT/ITES companies, Telecom service providers)
5. Infrastructure providers (vendor companies)
6. Start-up community
7. Industry & Professional Bodies and Standards Development orgn. (IEEE, Nasscom, CII, TSDSI, SNIA, DMTF etc.)

8.2. Expected Number of Participants
Indicate the approximate number of entities or individuals expected to be actively involved in this activity.

Approx 30 (spread across 3 sub groups)

8.3. Initial Participants
Provide a list of the entities or individuals that will be participating from the outset. It is recommended there be at least three initial participants for an entity-based activity, or five initial participants (each with a different affiliation) for an individual-based activity.

Use the following table for an individual-based activity:

Individual	Contact Information	Employer	Affiliation
Pamela Kumar	pamelakumar@ieee.org +91-98-454-44774		Self
Suhaan Mukerji		NInC	
Harish Mysore		IEEE	

Sri Chandra		IEEE	
Rahul De		IIMB	
Lakshmi		IIMB	
D Janakiram		IITM	
S. Sadagopan		IIITB	
Jayprakash Lalchandani		IIITB	
J Lakshmi		IISc	
Shyam Sundar		TIFR	
MR Rajagopalan		CDAC	
Sarat Chandra		CDAC	
Prahalad Rao		CDAC	
Madhusudan Rao		CDAC	
Supriya Pal		CDAC	
Payal		CDAC	
Kailash		CDAC	
Vineet		CDAC	
A Mohan		NIC	
CSR Prabhu		NIC	
Neeta Verma		NIC	
Meenakshi Mahajan		NIC	
Ashish Asthana		NIC	
Renu Budhiraja		DEITY	
Srinivasan Ramakrishnan			
Gopal Pingali		IBM	
Venkat Jagana		IBM	
Rohan Joshi		Wolken Software	
T.S Mohan		Infosys	
Raghavan Subramanian		Infosys	
Prashant Gupta		Microsoft	
Sandeep Dhar		CISCO	
Prabhakar Kandaswamy		VMware	
Amir Mukeri		VMware	
Shyam		VMware	
Niranjan Maka		VMware	
Sudhir Dixit		HP	
Kapaleeswaran Vishwanathan		HP	
Geetha Manjunath		Xerox	
Nitin Upadhyay		Samsung	
Satish Babu		ICFOSS	

Debu Nayak		Huawei	
Santosh		NetApp	
Haridas Pai		WIPRO	
Manjunath Chellaiah		Yahoo	
Srinivasan Sengamedu		Komli Labs	
Haridas Pai		WIPRO	
Vinod		Novatium	