# IIITB COMET Foundation and ARTPARK (IISc) meeting

| Facilitator: | IIITB COMET Foundation | Note taker: | Mr. Amudheesan Nakkeeran |
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**Attendees:**
Mr. Umakant Soni (ARTPARK)
Mr. Subhashis Banerjee (ARTPARK)
Mr. Syed Qais Hayat (ARTPARK)
Dr. Milind Gandhe (IIITB COMET Foundation)
Mr. Amudheesan Nakkeeran (IIITB COMET Foundation)

## *Minutes*

**Agenda item:** Introduction to COMET Goals and strategy
Discussion on moving focus from horizontals to verticals

**Discussion:**

Milind gave an overview of COMET's mandate (Advanced Communication Systems) and strategy (focus on a couple of hard problems and don't spread too thin).

- Thus far, COMET strategy has focussed on addressing horizontal problems pertaining to the different layers of the communication network protocol stack
- One potential area for joint collaboration would be look at end-to-end, vertically integrated applications defined by specific use-cases and their requirements

This was a general discussion serving as a segue to the follwing agenda items.

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**Agenda item:** 5G last mile connectivity

**Discussion:**

- Bharat Broadbad has done a great job of laying backhaul links across the country
- Last mile connectivity is however a problem – several places do not have the last mile cellular wireless connectivity that can provide reliable access to high-speed internet access
- Secure last mile connectivity for military operations is also a gap that hasn't been filled

**Conclusions:**

The backhaul network in place should be leveraged to provide 5G last mile connectivity (civil and military). We need to build a roadmap on how this can be achieved.

| Action items | Person responsible | Deadline |
|---|---|---|
| ✓ Explore possible collaboration on responding to Indian Army's RFI for 5G | Milind Gandhe | August 22nd, 2022 |

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**Agenda item:** 6G and Communication & compute convergence

**Discussion:**

- With 6G starting to gain attention across the world, it is touted that mobile devices will connect to not just a communication network, but a communication-compute network
- The compute capabilities required will be provided with the help of cloud service providers commercially
- Given that the cloud service providers of today are all foreign, it becomes imperative to build an indigenous cloud
- Such indigenous cloud should also have a military flavour – this ties in with the last mile connectivity for military as discussed in the previous agenda item (5G last mile connectivity)

**Conclusions:**

- Communication and compute convergence should be taken seriously and prepared for
- Military cloud should be a top priority (a flavour of it can also be useful to civilians and commercial applications)

| Action items | Person responsible | Deadline |
|---|---|---|
| ✓ Build a broad roadmap with the end goal of facilitating the communication-compute convergence, and an indigenous cloud | IIITB COMET Foundation (to be shared with ARTPARK) | Enter deadline here |