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# RRI, Navy set for quantum leap...

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The defence forces have shown “great interest” in quantum security, Prof Sinha said. “We have been having discussions on the possibility of using these technologies to aid maritime services,” Prof Sinha told *DH*. “Considering the work we have been doing (on long-distance quantum communication), this was the natural next step to take. The terrestrial demonstration of secure quantum communication has already been done and this capability can now be extended to other domains.”

### Communication

She said the QuIC Lab would, along with WESEE, develop solutions in areas that include ship-to-shore communication.

The lab’s recently achieved capabilities are set to find applications in secure communication with the moving, offshore vessels. Prof Tarun Souradeep, Director, RRI, and Vice Admiral Sandeep Naithani, Chief of Materiel, Indian Navy, signed the MoU at the Sena Bhawan in Delhi. For the demonstration of secure quantum communication which was held last month, a QuIC Lab team led by Prof Sinha had deployed an indigenously developed pointing, acquisition and tracking system that assisted a ground-based source to track a moving terrestrial vehicle. RRI said the breakthrough demonstration improved the possibilities in developing ground-to-satellite-based secure quantum communication systems.