

C3I - Summary Report April 2018 - March 2019

Central Computing and Communication Infrastructure (C3I) has been set up at IIT Jammu for the smooth functioning of overall design, planning and day-to-day Network and Services infrastructure. C3I has completed following milestones in a short span of time with its dedicated staff members:

1. **1 Gbps NKN leased line** from PGCIL commissioned at Jagti campus.
2. Three state-of-the-art 10-seater **interaction spaces** with AV facility for conferences, interviews and meetings in Jagti northside campus. Reservation and scheduling of these interaction spaces has been completely automated from day one.
3. **Recruitment Portals** launched for Retired, Visiting, On-Deputation faculty and Faculty Search Abroad. Portals received 6000+ applications without issues for Non-Teaching, Faculty and Ph.D. Candidates.
4. C3I staff arranged functional audio and video facilities for **6 new classrooms** at Jagti northside campus.
5. Jagti northside and southside campuses are connected via 24 core OFC.
6. Jagti northside campus equipped with **WiFi and LAN** with 400 nodes.
7. IIT Jammu adopted Integrated E-governance Solution (**ERP**) for **process automation** of Academics, Accounts, HR, Workflows and Purchase.
8. State-of-the-art **corporate firewall** from Palo Alto was deployed in HA mode (August 2018).
9. Content generation and maintenance of Institute Website was overtaken.
10. **Cloud based WiFi** orchestrator solution for Jagti and Paloura campus and installed 200 Access Points from Mojo networks.
11. Supported conduction of faculty and PhD interviews over Skype and in-person in campus.
12. Learning and Management Solution (**LMS**) for 20+ courses was supported.
13. To facilitate Voice Over IP (VoIP) communication infrastructure (local and STD), Primary Rate Interface (**PRI line**) from BSNL was provisioned at Jagti Campus, October 2018.
14. **VoIP telephony** system provisioned in Jagti campus. Institute will have 250 audio-video phones soon.
15. **C3I central labs** equipped with 135 nodes in 3 labs (February 2019) with one lab for 24 hour access to our students.
16. **Smooth conduction of GATE-2019 examination** in 8 sessions for 1200 candidates in Feb 2019 which was duly appreciated by the GATE chairman. We are one of the first IITs to conduct in-campus GATE examination on such a large scale. C3I took this as a challenge and staff members were rigorously involved over 42 days-and-night to make this a success.
17. **Point-to-point Fibre connectivity** between IIT Jammu Jagti Campus and Paloura Campus was provisioned, making both campuses of IIT Jammu a single logical network distanced over 19 kms.
18. C3I released **e-Services portal** as a one stop portal for various IT services including placement and internship portals.
19. An **internship program** with Arista Networks has been conceptualized and state-of-the-art Problem Statement has been provided by C3I. This program is open for PAN-India students.
20. C3I Staff member conducted Python Programming lab for 2018 entry students.
21. High Performance Computing (HPC) and Private Cloud procurement is in-progress.
22. C3I offered Computer Networking and Troubleshooting course for students.
23. C3I staff supported smooth conduction of labs and examination, lab tests, network, and printing services.