

Guru Nanak Dev Engineering College, Ludhiana

Wifi Inspection Report For Wifi Network Coverage

Ref. No.

Date 8.2.16

The following are the observation of the committee regarding the coverage of newly installed wifi network:

Area Covered: Boys Hostels – No.1, No.2, No.5, No.6.

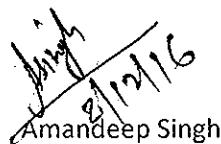
- New Access Points are required at:
 - In Hostel No. 5 & 6 on floor 6th, 7th
 - One A.P. between 50-60 rooms of Hostel No. 1
- Poor signal Strength (< -75db) is observed at following locations:
 - In Room No. 8 – 13, 31 -37, 58 of Hostel No.5
 - In Room No. 19 – 22, 27,28, 39-37, 39-46 Hostel No.6
 - In Room No.31, 83 – 102, 116, 147, 149, 162, 187, 190, 211, 218, 219, 227, 234, 255, 284 of Hostel No.1

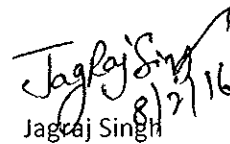
In addition to this generic issues observed are:

- Various issues in connecting to access points at most of places and coverage fluctuations at various locations.
- Login Issues faced by the users, if they have signed at place then they have get it logout at same place, otherwise they would able relogin again on different Access Point or wired connection. **Hence roaming is not possible.**
- Large fluctuation in browsing/downloading speed is observed.
- It has been observed that the signal strength is less than -65db in all the labs and class room adjoining the main corridors and less than -75db in the rooms which are located within the Labs.
- One Access Point seems insecure installed in Hostel No.5 in front of Room No. 52.
- Masonry work is not finished in all hostels.

Area Covered: Hostel No.1, 2, 5, 6.


Gurmukh Singh
8/2/16


Amandeep Singh
8/2/16


Jagraj Singh
8/2/16

Guru Nanak Dev Engineering College, Ludhiana

Wi-Fi Inspection Report for Wi-Fi Network Coverage

Ref. No.

Date: 16.02.2016

The Following are the observation of the committee regarding the coverage of newly installed wifi network.

Area Covered: Girls Hostel (Both Blocks), Alumni Home, Director's Residence

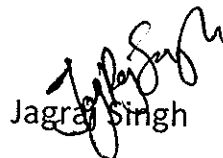
- Poor Signal Strength (<-75db) is observed at following locations:
 - In RoomNo.1,2,4,5,6,8,9,10,11,12,13,14,15,16,17,18,19,20,23,27,28, 29, 30,31,32,33,36,42,44,47,51,52,53,54,57,60,62,69,72,76,77,82,84, 85,86,87,88,90,92,93,94,95,98 of Girls Hostel.
 - In lawns of Alumni Home.

In addition to this generic issues observed are :

- Login Issues faced by the users, if they have signed at place then they have get it logout at same place, otherwise they would able re-login again on different Access Points. Hence roaming is not possible.
- Large fluctuation in browsing/downloading speed is observed.


Gurmukh Singh

Amandeep Singh
(On Leave)


Jagraj Singh

Inspection Report: PG and MBA Blocks, Workshop

- New Access Points Required at: Faculty Offices in all Labs of MBA and PG Block
- Poor Signal Strength Observed at: Top Floor of MBA Block and PR-1, PR-2, Os-1, OS-2 Labs
- Huge Signal Fluctuations identified at inside and outside of Workshop
- Login Issue faced by the users. So Roaming with same session could not be implemented.
- In all regions, session is destroyed with mere 5-7 minutes for mobile devices.
- Many issues related to bad and incomplete fittings are identified at PG and MBA and Workshops. (Snapshots included in the shared email)
- Plastic pipe used to keep the wires in direct sunlight may be distorted (due to heat specifically in hot weather) as snapshot shown for the workshop.

Paul Jones
16.2.16

M. Jones
16/02/16

Guru Nanak Dev Engineering College, Ludhiana

Wifi Inspection Report For Wifi Network Coverage

The following are the observation of the committee regarding the coverage of newly installed wifi network:

Area Covered: Admin Block and Main Building

- New Access Points are required at:
 - In Front of Room no G2, G3
 - New Machine Tool Lab in Production Dept.
 - New Computer Lab First Floor in Production Dept
 - New Computational and EDC Labs First Floor in ECE dept
 - New Drawing Hall Second Floor.
 - Room No S-201 Second Floor
 - Near Faculty office of Iqbal singh sharma second floor
- Poor signal Strength (< -75db) is observed at following locations:
 - Computational Lab (Civil engg) at ground Floor
 - Office of Dr. B. S Walia (Civil engg) at ground Floor
 - HoD Office (Mech Engg) at ground floor
 - Heat Engine Lab near boiler (Mech Engg) at ground floor
 - Office of Dr Munish Rattan and Er. Narwant Singh (Elect & Comm Engg) at ground floor.
 - Office of Dr. K.D. Singh (Electrical Engg) at First floor
 - Office of Mrs Pragya (Applied Sci) at First floor

In addition to this generic issues observed are:

- Various issues in connecting to access points at most of places and coverage fluctuations at various locations.
- Login Issues faced by the users, if they have signed at place then they have get it logout at same place, otherwise they would able relogin again on different Access Point or wired connection. **Hence roaming is not possible.**
- Large fluctuation in browsing/downloading speed is observed.
- It has been observed that the signal strength is less than -65db in all the labs and class room adjoining the main corridors and less than -75db in the rooms which are located within the Labs.

