First-of-its-kind Live Occupancy Application at IIIT-Delhi

The software for its library was developed at the institute only

New Delhi, May 10, 2019: Indraprastha Institute of Information Technology Delhi (IIIT-Delhi), an autonomous institute by government of NCT of Delhi, has added Library Occupancy Software on the website of IIIT-Delhi Library and Information Centre. It is first-of-its-kind software in any academic and research institute in India and displays a live chart of how many students are sitting in each area of the library block, based on the Wi-Fi connectivity through the student mobile phone and laptop. The users can use the application to make an informed decision about whether they would find a place in the Library. The ingenious software was created in-house, as a collaborative project between a student, faculty, Librarian and IT division – Aditya Lakra (2013 batch alumnus), Rajendra Singh (Librarian), Danish Parvez (IT dept.), and Ankit Agarwal (IT dept.) under the guidance of Prof. Vinayak Naik (Associate Professor, CSE).

"While an initial version of the software displayed data textually, the recent version has many new improvements. The web application shows occupancy information on the floor map of the entire Library building. Not only that, but it also categorizes areas as green, yellow, or red zones, based on availability. Green zones indicate empty spaces, yellow for partially occupied and red to indicate that space is fully unavailable," says **Mr Rajendra Singh, Manager, Library & Information Service, Indraprastha Institute of Information Technology Delhi (IIIT-Delhi).**

Mr Singh informs that "in the next version, the library plans to add a database to the application so it can retrieve and analyze the statistics of footfall in the library. This will help generate reports and observe patterns of how many students visit which area, and thus which area is the most productive for students. It will definitely help in the strategic planning of the Library and Information Center of the Institute."

ABOUT IIIT-DELHI

Indraprastha Institute of Information Technology, Delhi (IIIT-Delhi) was created as a State University by an act of Delhi Government (The IIIT Delhi Act, 2007) empowering it to do research and development, and grant degrees. In a relatively short time, it has earned an excellent reputation in India and abroad for being a center of quality education and research in IT and interdisciplinary areas. Established in 2008, the institute has grown to be recognized as one of the most promising young institutions for education and research in India. The institute is accredited 'A' grade by NAAC (National Assessment and Accreditation Council) and has been accorded 12-B status by the University Grants Commission (UGC). In recognition of its performance, QS BRICS University Ranking has ranked IIIT-Delhi 48 (in India) and 192 (in BRICS region) in 2019 ranking. On the national level, in QS India University Rankings 2019, IIIT-Delhi is the only state university from Delhi to appear in the list. NIRF also ranked the institute at 55 this year.