## ABSTRACT

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In the iLoc tool, we propose a location-mapping/restacking service which provides a single window view. An efficient location mapping system is designed and implemented for locating the place of any employee from any location at any time. It allows the senior managers of the organization to identify, plan, review the existing resource and strategize the move globally. And it also allows the administration team to allocate or reallocate teams. This can be also strategized among the group/organization unit level to track the current location. Hence, the tool can be used to optimize and make precise usage of available space. During emergency relocation of teams for any particular group/teams, this will be a great help to solve the issue. In order to show the feasibility and effectiveness of the system, experiments were conducted on the large-scale iNautix campus to demonstrate that the iLoc – Location mapping/ restacking system provides better precision and reliability than manually done.