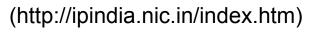
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		Patent Search				
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Abstract:

In the modern world, the mobile phone subscriptions are exceeding the actual population. This boom in mobile cellular connections negatively impact the poo quality of services in some cases. Call drops, poor internet connectivity (low data speed), call interruptions, poor clarity of audio are found to be the major issues in the network service providers. The lacking in technological methods is one of the causes for the problem and this should be addressed in a proper way. The present invention focuses on the issue and solve the problem statement in an effective way. Here, the cellular service zone is divided into small hexagonal region and the same is covered through cellular tower. The hexagonal cell shape is perfect over other shapes in cellular architecture because it covers the maximum area without overlapping. However, the boundary of the cellular service zone is affected with poor network coverage. In the present invention the poor network coverage is identified through the different user's mobile phone and tower data. The data sets received are trained through machine learning and an appropriate level of network coverage has been identified. After the identification of the weakening zone, the respective tower establishes the communication with the nearby booster tower and it turned ON. Then the required amount of signal strength is ensured and the network issue will be sort out. Therefore, ensuring effective and quality service of the telecom operator.

Complete Specification

Claims:WE CLAIMS

- 1. A machine learning based bandwidth monitoring and notification system for ensuring effective and
- quality service of telecom operator comprising of,
- a. Cellular tower
- b. Mobile phone
- c. Booster tower
- d. Communications systems
- e. Methodology thereof

2. A machine learning based bandwidth monitoring and notification system for ensuring effective and quality service of telecom operator according to claim 1, wherein the cellular tower has the central

monitoring system through which the communications are handled.

3. A machine learning based bandwidth monitoring and notification system for ensuring effective and quality service of telecom operator according to claim 1, wherein each booster tower is located between two cellular towers to cover the maximum area. Each booster tower can be operated by any one of the two cellular tower and its control unit

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