VISVESVARAYA TECHNOLOGICAL UNIVERSITY
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A REPORT ON PROJECT WORK

AUTO TAPPING SYSTEM USING RF SPECTRUM ANALYZER

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ABSTRACT

Radio Frequency has been an important means of communication for years. In the manner as there is prevalent legal transmission on RF, the other face of the coin, illegal communication, also exists. The term pirate radio refers to such unregulated radio transmissions, which result in loss of revenue to the government.

Antisocial elements like militants, naxalites and terrorists are known to communicate through pirate radio transmissions. Considering the rise in use of technology by such anti-social groups, it has become more difficult to monitor, track and prevent the anti-social activities of such organizations carried out under the RF communication range. If this trend is not controlled on time, it may lead to a nationwide disaster.

Our project aims at providing a solution to the pirate radio problem by measuring the transmitted signal strength. The system automatically detects illegal transmission instantaneously and alerts concerned authority while recording entire communication. Further, provision has been provided to track the approximate location of the transmitter. Thus the project forms an effective tool to curb the pirate radio problem.