

### **213. SELFISH ATTACK DETECTION USING COOPON TECHNIQUE IN COGNITIVE RADIO NETWORK**

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Security is the major concern when it comes to Dynamic Spectrum Access. Cognitive Radio is the technology that helps unlicensed users to utilize the maximum available licensed bandwidth in the Spectrum. A Selfish Cognitive Radio node occupies all the available channels of the Spectrum and prevents the other Cognitive Radio nodes from accessing them. This is known as Selfish Attack and this can highly degrade the performance of the Cognitive Radio Network. Problems can also arise in Spectrum Sensing as well as in Allocation. The proposed work focuses on addressing a new type of selfish attack and an efficient detection mechanism named COOPON has been identified which functions with the help of the neighbouring Cognitive Radio nodes.

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