

Department : **Mechanical**

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Group No: **8**

Guided By

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Project Title

INDIRECT EVAPORATIVE COOLING USING SECOND NANO FLUID CIRCUIT

Abstract:

In the air cooler there is requirement of window wall so this is problem for indoor unit where window wall is not available .and there is also high humidity and not good comfort condition for human. The humidity in split ac is less than air cooler but it consume more power. The cooling medium in ac is refrigerants. The refrigerant contain cfcs which is responsible for global warming effect. Our main objective for this project to solve the window wall problem by using secondary nanofluid circuit as well as control humidity level by the concept of indirect evaporating cooling. The capacity of the system is 1 tonne. The temperature of the system is around 36c and the expected temp after the cooling is around 28c

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