Assalamu alike everyone. Welcome to my presentation.

Myself B M Shahria Alam. First of all I want to give thanks to our honourable faculty for giving me chance to presenting here. The topic of my presentation is application of the Hyperbola in cooling tower. Let’s start the presentation.

We already came to know about hyperbola from this course. But here is a soft reminder if the centre of a hyperbola is (0, 0) then the application of the Hyperbola is ………. Now let’s move to the next slide.

Now let’s talk about some user of application of the hyperbola in real life. Here are some user we can see they are power plant, satellite, radio, lenses, monitors. Now let’s talk about a specific field.

Cooling tower. I think we all have seen this before. But today I am going to tell you about the structural magic behind this tower. Basically cooling tower used in power plants.

The design of cooling tower mainly focuses on two problem. The tower need to be very strong to stand against strong winds and the tower needs to be built with least amount of materials. The hyperbolic shape can solve this problems together.

Now let’s see an example related to the application. Here we will see the uses of the hyperbolic application in cooling tower. In this diagram we can see that black dotted line which is transvers axes. So from this diagram we will form the hyperbolic equation. Let’s start.

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From here we can say that for making a cooling tower they use hyperbolic equation. That’s all from my side. Thank you everyone for being with me till the end.