

ROBOLUTION 2018

Master Mind

Problem Statement:

Solution to any one of the following is expected.

1. Dhaka, the capital of Bangladesh, has been ranked highest in the US Air Quality Index (AQI), for having the worst level of air pollution in the world. Bangladesh faces a massive increase in air pollution during the October to March dry seasons, with February the worst month. Researchers accuse excess outdated transports and rise of brick industries for this. This constant pollution in air gives rise to many air-borne diseases and overall impacts the longevity of people. Can you give an engineering idea proposal on how to improve the current condition?
2. As projected by many research Bangladesh is facing and will face some severe crisis of underground drinking water especially in Urban Areas. Also in the coastal areas increase of salinity in water is making the water undrinkable. In this situation Bangladesh may fall into a water crisis unless you step in with an Engineering solution to solve this problem. Can you give an engineering idea proposal to improve the current condition and prevent future disaster?
3. Waste management is the most important function and takes up the major portion of resources of the two large city corporations in Bangladesh: Dhaka and Chittagong. The quantity of waste generated daily in these two cities is only 350 g/capita, and the major constituents of wastes are organic and compostable materials. The cities, due to their traditional and outdated waste management practices, have created a big distance between the waste producers (the residents) and the cleaners (the city government). Can you give an engineering idea proposal to modernize the current situation and possibly use the waste produced for a better cause?

Rules:

1. One team can have maximum 4 members.
2. Registration should be done before submitting the solution.
3. The solution should definitely be based on using Engineering materials and Technology.
4. For the preliminary round you are asked to send your solution within 300 words to the given email address.
5. Selected solutions will be informed after the deadline of the submission.
6. Selected teams will be asked to complete the payment before the deadline and will have to present their solution to the judges in the event through power point presentation.

Email Procedure:

- Send us your solution to this email id
chakvil@gmail.com
- Subject: MASTERMIND.
- Email Body:
 1. Registration id.
 2. Team Name.
 3. Team Leader Name.