Smart Asphalt

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Throughout our research project, we will be analyzing the properties of asphalt. We will be examining the road material in UAE and some effective methods that would help in battling certain inconveniences not only in our country but worldwide. The predicaments we will be focusing on include: cracking of asphalt due to extreme weather conditions, and the collection of water along the sides of the roads after short rainy period. We will be doing so by conducting controlled experiments based on our background research to test our hypotheses, recording our observations through informative graphic organizers, drawing conclusions, and determining whether or not our hypotheses were valid or false. All the while the scientific method will be thoroughly implemented. The general aim of conducting this research is to give its readers a deeper insight into the potential improvements that can be implemented in road materials and designs that can be essentially beneficial in enhancing the quality of life and decreasing risks of accidents along roads.

Awards Won: