

Introduction of Chapter “How Stuff Works” and Course Seminar in Elements of Mechanical Engineering

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Abstract A survey of Freshman students at BVB College of Engineering and Technology revealed that more than 20 % have not given any kind of seminars until their pre-university (K12) education, and more than 50 % have given only thrice. Many engineering graduates fail to explain how some of the Engineering products/gadgets work even though they see and use them in routine life. In this regard, a new chapter “How Stuff Works” was introduced in Elements of Mechanical Engineering course taught at the first-year level. Students in the team were asked to study a product/gadget in detail and were asked to present a seminar to the whole of the class. This paper deals with necessity, implementation and usage of the new chapter and course seminar. This new initiative is in practice for one full academic year and the results are encouraging.

Keywords Course seminar • How stuff works • Mechanical engineering products/gadgets

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