

44. Need a teacher who really knows Mathematics

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In India it is a common practice to teach our students what is written in the prescribed books with our own method of explaining from the knowledge we have on the subject matter. Most of us take the class the same way our teachers taught to us. Most of us don't know the basic concepts in the subjects like mathematics and science which are the foundation stones for Engineering subjects. Except basic knowledge we never used any mathematical equations anywhere like complex variables, matrices etc. We can't understand many equations when referring journal papers, we don't know the basics how to express an idea in terms of mathematical equations. It should be taught from school days. For this we need real mathematics teaching faculties who know the art of expressing in mathematical equations. In India if this change occurs, we will become a Super Power country very soon. On the other hand, teaching subjects like social sciences, law, etc just understanding the subjects is required with some art of teaching skills. India lacks in the field of research in Engineering because we don't know how to apply mathematics but we are experts in solving any problem at the same time most of us don't know how to

write a problem in terms of equations and find solutions. When a student is asked to solve a mathematical equation, he hates the subject in general. There are many students interested in maths but in general mathematics becomes a hard subject most of the students feel due to lack of interest. It is because the way it is being taught.

We understood mathematics only upto primary standards. After that we go to tuition classes for scoring marks to get a seat in a reputed College. There also for example in an engineering college for four or five semesters maths teacher takes classes to complete the syllabus. We were never taught the application of mathematics in our engineering subjects except algebra some time matrices for electrical stream trigonometry for mechanical stream.

We need a sea change the way mathematics is being taught to our children otherwise we can't understand many basics in science again we have to depend on foreign countries or through reverse engineering techniques.