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Implementation and introduction of machine learning concept in material invention and discovery to attract the interest of the scholars towards material science

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Thousands of years, lakhs of man hours & we discovered them, the materials, our nature earth has manufactured for us. Our needs are not satisfied with what mother earth has provided us and our hungry mind clamours for more resources, more energy, more power and more materials-futuristic materials. Every bit of time researchers are digging their mind to invent a new form for material for new generation machines and equipments.

I must repeat thousands of man hours are and will be invested in these researches. We have figured it out that we need a helping hand other than just our human brains; yes! I am talking about machine learning – The artificial intelligence. Why the students pursuing their degrees show least interest in the subject of material science in general as compared to other subjects? Say as Automotive, Aerospace, Design or IT etc. If we go through the pattern of research in the field of material science, students pursuing their bachelors or masters

find it a boring history of black and white words and they have to struggle to keep their interest in this “glorious” field. To make it more interesting, practical & result oriented discipline of study we can introduce the machine learning based tools in the learning of material science. Doing so, students will be able to connect more to the subject & will enjoy this practical & result oriented learning concept & will not hesitate experimenting with the materials. The interest will arise in the newly born scholars leading to more researches; the outcome will benefit the needy tools & machines in want of futuristic materials ahead of time.

Speaker Biography

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