

- Idea is to help Learn to each individual student's best,
- Am a mentor,
- am a hand-holder, so each students needs me, as a teacher at different levels.
- Every teacher need to improve herself/ himself every day, every hour- this consciousness or awareness is necessary
- HELPS is a keyword- this comes in different forms, different ways, every year this , every class this changes
- TO Achieve students DO stuff/ learn/ experiment/ sometimes even basic things –
- Typically my policy is to help them to “help themselves”
- Being a teacher who believes in inclusive learning, and my subject gives me lot of scope, able to help students with diverse abilities. This diversity which is seen mostly as a challenge can be turned as a tool for interesting class and an effective tool. But this is possible only if the teacher understands how to cater diversity and strongly believes in updating themselves.
- People with learning difficulties usually perform very well in lab, in outreach science activities, we did dubbing of Arvind gupta science videos, translate – these students are a boon. If we want to make our teaching different, if we plan to address these kids, it will be ABSOLUTELY USEFUL for all and it will have loads of elements.
- Am a story teller who conveys Physics concepts, history behind physics, weaving history, geography, biology, chemistry along with Physics.
- Am a narrator sometimes when they prefer to hear about developments in Science, Scientists
- WE ARE NOT here to deliver textbook content alone- it makes NO sense in anyone's life. With most of our students from weaker section of the society, life connect is more important, than content in the book. Sometimes, they hate the content too. Once make a connect (NO TO PERSONAL Stuff) with content, then they are willingness to learn comes automatically
- I call it “preparing the mind to be our students” – This is not in education system explicitly. But if you don't prepare even for your lab sessions, you cannot perform. Right?- How can I teach without preparing these young minds?
- What sort of preparation? - They need to be made to accept their course (mostly they join with out any idea), accept their college, teachers, friends, MUST be made to believe they have a BEAUTIFUL and SUCCESSFUL life of their own, this college journey is a big milestone in their path, not a goal, This is THE time.
- Our job especially, when we feel we have gained some experience, is to create an ecosystem, where our students try to imbibe our best
- An ecosystem, where we can go beyond books, go beyond classrooms, ofcourse at the same time stay to help them achieve their best in academics. Here, “their” best , not “the best”
- I strongly believe in inclusive education as I believe in diversity. Each of us need help almost in every stage of our life. Many times , our needs are subtle and similar to others', so they are accepted. In case of students with different needs, with physical disabilities, we are not able to process their needs and we feel they are demanding. This makes us feel overwhelmed emotionally too and hence as a society we seem to be ignorant or act as if things are green everywhere. I have learnt to recognise special needs, handhold children, mostly parents to help them with various accommodations.
- As a DBT STAR support scheme coordinator, I was able to cross discipline barriers, help students understand various fields, and think of interdisciplinary concepts, hands-on skills, field trainings. These do not necessarily need huge costs per student, if at all we put in that extra effort. Many

teachers joined hands and I believe “by being “ is more important than “preaching”. Once you DO, the rest join, not necessarily everyone joins, not necessarily, your authorities may shower praises/ financial support on you- BUT students WILL, many teachers WILL.

- Am a champion of Citizen science, I feel that's more important for us. In my college, as a teacher and a resource person, I try to connect people under the umbrella STEM, hands-on, simple science
- My son used to celebrate his birthday with Science experiment parties
- Be it outreach activities of DBT Foldscope, or Royal Society or Zooniverse or virtual lab courses on seismology of Caltech, <https://www.sciencecourseware.org/VirtualEarthquake/>, my students have been a part –continuously for past few years. Been propagating to other colleges too through my academic activities
- Believe in Science through mother tongue. We need materials to achieve this. Been a creator, translator of such learning materials
- Frugal science is the MOST important for anyone, especially for country like us, who believe in Frugal living, we have always had great people who have shown us this

My talks say my philosophy aloud-

- <https://www.youtube.com/watch?v=x5DemdwubFE> – Learning Physics beyond Convention- My TEDx talk - it says what my teaching philosophy to some extent
- <https://www.youtube.com/watch?v=KSn3Xq1KvAY> - another TEDx talk of mine, says all about how teachers can help to take a STROLL WITH SCIENCE
- <https://www.youtube.com/watch?v=2bQxRpd7ej8> - Women in Science is what we teachers have to talk about aloud to every student, been saying and popularising about sScience and Scientists in many platforms
- Science is for everyone, <http://uthradgvc.synthasite.com/science-is-for-everyone.php>
- Building curiosity is the most important ingredient for teaching. My experience with helping build STEM Science as the chairman for two years for govt. school teachers across tamilnadu brought so much positivity and faith on school teachers from panchayats, interior villages connect and do their best. Frugal science is possible. My faith increased more with using Foldscope, a frugal innovation. I was able to tap the curiosity to build student strength and take it across so many schools. Though am with Physics background, and most of my volunteers, four generations- five gen volunteers, my own students who trained batch after batch along with me....they build my optimism everyday.
- Right now in lockdown times, my students are creating Teaching learning videos for school children...this says it all  
<https://www.youtube.com/watch?v=C0HsQykDdKg>  
<https://www.youtube.com/watch?v=u6m4ll-qZ58>
- Mentoring, right mentor is what WE NEED as TEACHERS , at every stage and this is exactly what LEARNERS too need.

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### TEACHING PHILOSOPHY FINAL

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- BE Bold to ask for help- as a learner , as teacher
- Don't shy away from learning at any stage - as a learner , as teacher
- Don't be scared of exposing ignorance, INSTEAD, spot it and get away from ignorance - as a learner , as teacher
- Let's light up students life, to do that we need to be well Lit. So keep adding oil , kindle yourself, get rid of carbon in your lamp, glow as long as you can and remember you are not eternal, but the torch will go on and on.....

LIVE, LEARN and PASS it ON