

SUGGESTIONS

- Laboratory work as given in the curriculum of biotech 11th and 12th class is good provided it is done as given. Also all the schools may not do all of them.
- Curriculum needs changes:
 - At lower level introduce concepts leading to Biotech systematically starting from history of biotechnology, Illustrations of day to day use of biotech[class 5],cytology[class 6],Everyday genetics-why I look like my parents?,ABC of DNA,[class 7] , Basic physical and chemical processes ..and finally the application aspects[Class 9th and 10th]
 - In class XI and XII curriculum include essential biology in biotech syllabus having less of systematic botany and more of cytology, genetics etc. (Biotechnology as a complete subject needs to be taught and not as secondary to biology). Syllabus needs to be updated and revised [as has been done twice for Biology.] Also at present there is no continuity with the syllabus at undergraduate level.
 - Include industry visits ,attending summer workshops/training as part of curriculum .Also the student should be encouraged to attend a minimum number of lectures , and be given incentives to attend them. These lectures can be given on the lines of professional lectures attended by doctors/ CA`s, to be given by eminent people/organizations/ NGO`s working in the field of education
 - Student taking Biotechnology should not see it as an impediment to his career. Hence, GOI needs to make Biotechnology as a qualifying subject in the various competitive exams which a student sits for after 12th .Hence due importance needs to be given to biotech as given to PCB or PCM. At present AIEEE recognizes it but CBSE-PMT doesnot.A student who takes up bio along with PC can sit for all the exams [including biotech] but the reverse is not true for a student taking biotechnology
 - Make efforts to do away with the `elitist `image of biotechnology as only rich schools can afford to set up biotech labs. Hence there is need to give incentives / subsidize lab equipments so that every school can afford to set up one.
 - Specialized teachers are not required to teach biotechnology. Post graduates in zoology especially with specialization in cytology etc can teach biotechnology effectively to class 11th and 12th students.



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