

# Project Report Induction Training Programme

(18-29 June, 2018)

Centre for Research in Advanced Technology for Education in Science  
(CREATES) Indian Institute of Science Education & Research, Bhopal

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6/29/2018

In the coming semester, I will teach the following topics to the students of undergraduate level.

1. Anatomy and physiology of Ear and mechanism of hearing
2. Different types of Throat disease
3. Nasal disease like Deviated nasal septum, Epistaxis, mechanism of smelling

Teaching in classroom makes the fundamental concept clear to the students, but in my opinion practical knowledge by demonstrating the patient in hospital ward that is the ward teaching play a significant role in understanding the medical subject because it totally depend upon human being so class teaching is not sufficient to clear the practical aspects of the student that by demonstration of patient having disease related to Ear, Nose, Throat is mandatory. In the present curriculum, ward teaching to the undergraduate students have conducted only for 1day in a week. I believe that ENT is a subject that can be better understood by ward teaching (outdoor) rather than classroom. I would therefore strongly recommend adding more number of practical ward classes and extending the duration of outdoor classes in the existing curriculum especially in the subject of medical ENT.

It is also important to teach student with the help of images videos and graphs is much more needed to make the subject more understandable. In the meantime traditional method would also helpful to explain. Here, I would suggest that blended method of teaching which an innovative concept of learning method. Blended learning includes traditional teaching in the classroom and ICT supported learning, including both offline and online learning.

I learned during the induction training programme about various techniques and methods which make the class teaching more smart than traditional methods of teaching. I would suggest that the traditional method of teaching that is one-way communication is not sufficient for classroom teaching; it is always two-way communication, so that student participation is active, which is not possible by traditional methods. The application of Bloom's taxonomy in my lectures will impart more effectiveness in academia. The activities like role of sitting arrangement, discussion, ice-breaking sessions etc. will make me enabled to create an advanced learning atmosphere. The significance of Socratic learning in higher education taught by Dr. Kushal Shah, IISER, Bhopal motivated me to adopt Socratic learning in my deliverable lectures which undoubtedly going to benefit my students a lot. The behavioral responses (adolescence) of under-graduate students play a critical role in the learning pattern. It was really difficult to know the psychology of UG students which in turn created a hurdle to synchronize the lectures as per their behavioral responses. The lecture delivered by Dr. Sheereen Bajpai on understanding of adolescence behavior will help me out to chalk out my way of lecture delivery so that students will have positive attitude in the class with full concentration towards their career endeavor.

Moreover, teachers and students required to work together. Therefore, here I would apply flipped method of learning which I learned during the induction training programme. The flipped method is a form of blended learning in which students learn content online by watching video lectures, usually at home, and homework is done in class with teachers and students discussing and solving questions. Teacher interaction with students is more personalized.

The lectures on administration and governance helped me to know about the rules and regulation which lay out foundation of a successful organization. The implementation of the principles of dedication, accountability and transparency will provide me a progressive approach towards my profession with my full mental capacity.

Apart from this lecture provided by the Dr. Sandeep Kumar Pathak, Deputy Librarian, IISER, Bhopal on utility of research and web tools including hands on various software for academic community broaden my perspective in research field. The visit of central library, IISER, Bhopal with Dr. Pathak provided me to know about effective management of academic repository for the students and researcher which will help out to me in establishment of academic environment in my department at AMU.

To show gratitude the CREATES, IISER, Bhopal for conducting ITP. I heartily thankful to our University and department to provide me opportunity to attend this programme.

Thanks

Dr. Mohammad Azam