

14. Strategies to improve Teaching methodology for better Teacher-Student interactions and to have motivated Society for Socio-Economic Development

¹ Soumya Mukherjee

¹ Assistant Professor, School of Mines and Metallurgy, Kazi Nazrul University, Asansol, West Bengal.

* smmukherjee3@gmail.com

Teaching is a novel profession which comprises interactions, sharing of knowledge, responsibility to impart social-economic values of life to induce humanity for progressive human development. From Dawn of civilization, teaching imparts knowledge; enlighten light to justice, rationalism to human race. The greatest amongst teachers are like Lord Buddha, Lord Mahavira and others who have enlightened modern human values in India. In present situation of our country teaching practices in most cases performed at class room where tutors or the class teacher is putting his/her knowledge through chalk-board and give some notes from reputed/standard text book as prescribed in syllabus. It may not be interesting to all students since all pupils are not of same calibre, thinking and patience. In order to improve class room teaching, making it more attractive to students in the age of Internet, E-books, normal interactions after teaching hours are needed in the form of Quiz, Group Discussion and others. In addition to class notes, text books some good quality reference books are also needed

where the explanations may be more lucid in nature. For deep understanding of the subject, a teacher must explain to the student the importance of subject in true sense, so that the pupil may have much interest on logical development of subject not just for exam but for improvement in his/her life to become better human being and disciplined confident motivated workforce for the progress of Socio-economic parameters for the nation. A Teacher/Faculty concerned must explain the philosophy of the particular subject before introducing the subject as per text book syllabus format. Philosophy of the subject concerned aids a person to understand much better in true sense its vital linkage with present-past socio-economic growth path, importance of the subject which is the ultimate for the progress of human society in large. To make more interesting, Teacher/Faculty should refrain more making any negative to the student but instead should constantly encourage him/her to think in a simple way as per the capacity of the person concerned. Interesting presentations are also needed to be given in a lucid manner where sometimes complex theories are explained in details with some applications for better understanding. Regular class notes are to be modified with some modern perspective or issues of the concerned subject and to make the interactions more natural to-fro communications should be encouraged. Students should be encouraged to go through other text books of their choice along with important e notes, presentations, (NPTEL, MIT Courseware, SWAYAM, MOOC) so that if any fails to understand the complex theories within specified class period due to exhaustion may have a look with their own interest in off period. Moreover,

continuous internal examinations are needed to be carried in a very scientific way where stress must be given on concepts rather on memory test rather scribbling of class notes. Students must be encouraged to give presentations of the topic of the concerned subject on sharing basis among other classmates for better viability of the subject. It is also needed to focus that while dealing with complex theories, problems, practical examples are needed to be discussed in the form of various case studies, report writing or simple projects. If the subject concerned requires practical's, it should be performed rather some extra practical's are also needed to be encouraged beyond curriculum. Students must be given some theory project along with the practical of the concerned topic depending on the subject. Students must be encouraged to listen to various speeches as delivered by person of repute in other/home institutions. Seminars or conference based on Subjects with prime focus on improvement for Students must be organized with expert talks from Academia-National Agencies-Industry personnel. More focus is needed to enhance students' capability of problem identification, solving with analytical skills, and enhancement of communication since knowledge needs to be disseminated keeping proper subject content. Teacher/faculty must encourage students to take projects of their choice, solving the problem but with full focus on latest modern trends of the subject concerned in addition to the traditional knowledge. Students should be inspired with more quarries during regular class work. Creation of prototype model may help students for clarity and constructive attitudes. Overall increase in analytical practical outlook should be taken care to

developed full maturity capability to enhance communicative skill.