Researching Innovative Techniques for Engineering Teaching in Present Indian Perspective

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Abstract - As the nature of technologies used in the industries is changing very fast, the education system needs to be responsive and adapt to the changing demands of industries. As the population of students entering into engineering education sector is alarming in India, so there is a need for engineering educators and planners of the current century to be conversant with existing practices and requirements of the industry to bring in innovation and improvements in engineering education system. The feedback assessment model at different levels can help in planning and innovating the methodology in the current engineering education development perspective. The paper will emphasize on the assessment of attitude and background of the entry level engineering student by feedback through questionnaire for creating and suggesting a model for improvement in the quality of education. The questionnaires are developed for obtaining the database regarding the student’s background, parent’s socio economic conditions, industry institute linkages, institute infrastructure and the future planning of the students. The paper will focus the methodology to develop the model for establishing synergy between the expectations of incoming students to that of industry and establishing the role of engineering institutions in this process by way of improving teaching learning process. The outcome of this paper is to suggest a model and guidelines to the engineering institutes and engineering students of current era to meet the challenges and needs of industry which can effect the development and economy of the country.

Keywords - feedback assessment attitude building engineering mind set.

Remark: The full paper may be found in www.inrit2011.com or www.ijcim.th.org.