INTRODUCTION

Continued learning shapes a high-quality education, which is what an engineering college must offer to its students. The question is how to guarantee the quality of education. In addition, the National Board of Accreditation is asking that universities commit to continuous and comprehensive education, assuming quality of the educational process. Service sector accounts for a substantial share in Indian economy and among the service industries, education sector is emerging as a major commercial activity in the nation.

Globalization, growing competition among institutions, emergence of new technologies, changing socio-economic profiles of nations and knowledge driven economies have created a scenario where quality in education is beginning to occupy the centre stage. Now the quality is no more a desirable strategy – it has become a survival strategy.

In such a scenario, ‘Technical Education Institutions’ require an innovative supporting tool, which helps in improving the quality of education system. In industry, a company may look at defects in its final manufactured products, but in engineering education, these defects are related to falling pass percentage among students or capabilities of the students.

The research is focused on developing a methodology for a college of engineering as an annual cycle that consists of a systematic assessment of every subject in the course, followed by an assessment of the course and of the college as a whole using Six Sigma methodology. This unique approach to assessment in education will provide a college of engineering with valuable information regarding many important curriculum decisions in every academic process.

I am going for the Development of the assessment model for implementation of six sigma methodology as a concept for imparting quality and continuous process improvement in an engineering program.