WORK PLAN

The research work completed within four phases

Part I) First Year

Phase I

This part deals with

- selecting project for research work
- Prepare plan of action.
- Reference Work.
- Literature Survey

Phase II

- Experimental set up/Model data collection
- Practical work on model data with methodology of Six Sigma to know ‘as is’.
- Study of their behavior in details.

Part II) Second Year

Phase III

- Analysis of collected data and formation of model for assessment.
- Implementation of Six Sigma tools on data collected.
- Comparative study of different Six Sigma tools for continuous process improvement.

Phase IV

- Applications, evaluation and analysis of imparting quality and of functioning of Six Sigma.
- Establishment of key metrics to implement, control and communicate improvements.
- Conclusion and result of assessment model and Six Sigma methodology.
METHODOLOGY

The undertaken work is divided in many parts. A first part contains general introduction of Six Sigma and literature survey. Six Sigma has a proven methodology. Six Sigma is used to raise customer satisfaction by reducing the number of defective from a process to 3.4 defective per million. The progress towards the target is measured by the sigma rating. If it can not be measured it is bound to have a raise instead. Again in academics, it improves the quality of the continuous process; it standardizes the enhancement of the result by percent increase. The defect here symbolizes the failures of the third divisioners and on various measures of the academic system. Hence in the present work Six Sigma methodology and tools along with database management system tools are utilized primarily because of simplicity and application in academics.

A second part contains the formation of systemic approach for implementation. Six Sigma and its various tools are applied to various aspects of the continuous process for improvement. Model data is used wherever necessary from web domain. Common relation between Six Sigma tools and process are to be analyzed. And Six Sigma concepts is tried to implement in education for the formation of successful implementation and formation of systemic approach. The same approach can be used years after year for continuous process improvement in education. However, it is important to note that application of Six Sigma in academia does not mean achievement of the Six Sigma level of quality, which is virtually defect-free operation. It is rather a methodology that uses extremely rigorous data gathering and statistical analysis to identify sources of errors and ways to eliminate them. Six Sigma applied to an educational setting is best described through the following elements:

- Variation control through all levels of an educational organization.
- Student focus (customer specification limits).
- Assessment based on data.
- Continuous quality improvement.
- A new administration initiative based on strategic plans.
- Faculty participation throughout the process.