

### ***From the Editor's Desk***

The 9th volume of 'REASON', the Technical Magazine of Kalyani Government Engineering College, is being published shortly. The 1st issue of 'REASON' was published in 2000. Quality articles and research papers have been included in this magazine in each of its issues. In this ninth volume (combined 2009 & 2010 issue), the standard of 'REASON' has been tried to improve further.

Recent trends in engineering and technology emphasizes advancements of the core engineering sector taking help of electronics control system and software support with more thrust on core sectors. Papers in the area of Electrical Engineering constitute the first section, while Soft Computing related papers come next. In the Mechanical Engineering section, good number of interesting papers are included having industrial applicability, as well as on modeling, etc. A paper each from an Alumni and Student are good additions.

Hope, the contents of this volume will create interest to the readers. Only then the utility of this publication will find the appropriate 'REASON'.

Contributing authors of this volume deserve special thanks. Whole-hearted support from the Principal and all concerned, particularly members of the Editorial Board, make this publication possible maintaining reasonably good quality. Remarks and comments on the publication are welcome to improve standard of the same further. Quality research papers and articles are invited to bring out the next volume in time.

Kalyani, Nadia  
December 27, 2010

Prof. Santanu Das  
( Editor)