
GC 2012-5662: ROLE OF UNIVERSITIES IN INTERNATIONAL COLLABORATION IN ENGINEERING EDUCATION

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Role of Universities in International Collaboration in Engineering Education - Faculty Development.

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The effectiveness of teaching learning process is a function of multitude of factors like teacher, student, course curriculum, course planning and assessment. Hence, to have effective learning by the student, faculty development is must. Role of universities in international collaboration in faculty development is important to make engineering education & research more relevant to the needs of global society and to the aptitude and aspiration of new generation of engineers.

Shortage of training opportunities and attention to over all growth of faculty is adversely affecting impartation of quality knowledge and skills to the students, thereby lowering their overall development and employability. At times, the faculty also lack in communication and pedagogical skills and industry academia collaboration is also at nascent stage. Faculty development basically means:

- Improved teaching and learning necessary for deep understanding of technical information and skills
- Implementation of latest teaching strategies
- Creating practical learning environment provided by laboratories and workshops
- Effective assessment methods to determine quality and improve the learning process
- Understanding properly the changing role of teacher in various areas including research

‘Train the Trainer’ model has to be developed by the university. It should be based on exposure of global practices, judicious use of technological tools for education and innovative initiatives in faculty development. To ensure the success of this program, various kinds of facilities should be provided to faculty by university like sabbatical leave, post doctoral research, participation in short term training programs, workshops etc. This will help them in understanding the work culture available to the teachers all over the world and plan reforms in their own universities to make it globally acceptable.
