



Indo-US Collaboration for
Engineering Education



SPEED

RSF - 2015

Regional Student Forum



AMITY UNIVERSITY UTTAR PRADESH, NOIDA

**"ENGINEERING EDUCATION
WITHOUT BORDERS"**

Highlights

- The students implement the action plans in their respective colleges which would nurture them into becoming better engineers. A few passionate engineers could be identified who could work alongside SPEED.
- Students get to broaden their network globally.
- Interested students will be invited to be a part of the global network.
- Best student action plan will be guided and facilitated. The team will get an opportunity to present their work during ISF - 2016.

Workshop Outcomes

- Students think and focus more on how they can work in synergy and accelerate process of improving quality of imparted engineering education and research
- Stimulating leadership and educational growth
- Provide pathways to academic leadership empowering their ability to create the necessary change that their education requires
- Promote global awareness of student initiatives, and foster fraternity within local Indian students to strengthen educational outcomes
- Action plans designed by Indian students to guide targeted impact of Indian technical education
- The students will be given opportunities for organizing various activities
- Participants will receive certificate of successful completion of the workshop

Come, join us on this journey...

SPEED

Student Platform for Engineering Education Development (SPEED) is a global non-profit student organization that functions as an interdisciplinary network of engineering students, who aspire to provide opinion and create an impact on future development of engineering education and its effect on society and environment. We look to inspire the actions and development of broad minded and global engineering student leaders who intend on helping engineering education evolve.

Collaboration with IUCEE

Indo US Collaboration for Engineering Education (IUCEE) program was conceptualized by over 150 leaders of engineering education and businesses from US and India in 2007 to help create good quality engineering talent in order to find solutions to the global challenges facing humanity such as energy, environment, health and communications. SPEED-India collaborated with IUCEE in 2013 and is more enthusiastic to pursue the path for improving the quality of engineering education in India.

RSF

Engineering students who are willing to work for the betterment of engineering education in India are reached out through regional workshops. 5 workshops were conducted in 2013 across India, followed by 8 in 2014, from which student leaders were identified. The students are taught about planning and implementing action plans systematically and then are asked to take up a problem pertaining to the theme of the workshop and work upon it. Activities in the workshops include brainstorming sessions, poster making, prototyping, personality development sessions, team building, mailing etiquettes and action plan creation. As and when a workshop nears its conclusion, 4 student leaders are identified from each college to be given the posts of Chapter Secretary, Joint Secretary, Internal Affairs Officer and Finance Officer of the SPEED Chapter which will be formed in their college.



Theme: Engineering Education Without Borders

The world needs a new generation of engineers. We need professionals who are capable of innovating at a global scale, who have an open mind, who are resourceful, and who are able to work in interdisciplinary groups. We basically need engineers who are capable of jumping across borders, going around them, or even better: taking them down.

Borders can be seen as lines of division, edges or boundaries. They are necessary in order to define countries or areas, but they also represent barriers to engineering education. We need to jump across geo-political borders in order to have a global engineering community. We need to eliminate social and cultural barriers in order to have innovative and effective engineering solutions in remote places. We need to break down the divisions between engineering disciplines in order to have multidisciplinary team workers. Finally, we need to overcome mental borders in order to come up with non-traditional solutions.

Tracks

- Track 1 : Re-Imagining Engineering Education in and out of classroom
- Track 2 : Knowledge networking through collaborative Learning
- Track 3 : Engineering an Engineer through Problem Specific Learning

