Editorial

Welcome tothis Special Issue of JEET

As Chief Editor of JEET (Journal for Engineering Education Transformations) and Co-Chair of ICTIEE 2015 (International Conference on Transforming Engineering Education), it is a distinct pleasure and honor for me to introduce this Special Issue of JEET at the Inauguration of ICTIEE 2015.

The Second International Conference on Transformations in Engineering Education (ICTIEE 2015) is being held from Jan 5 to 8, 2015, at BMS College of Engineering, Bangalore. It is the signature annual event of IUCEE (Indo US Collaboration for Engineering Education), to provide many opportunities for IUCEE Consortium Colleges to obtain maximum benefit from networks built by IUCEE over past several years.

Please see details of ICTIEE 2015at the website: http://www.ictiee.org/

- ICTIEE 2015 is sponsored by 14 multinational companies and TEQIP.
- AICTE and NBA are Collaborators along with IEEE, ASEE, GEDC, IFEES, IGIP and SPEED.
- The Chairman of AICTE and the Member Secretary of NBA are distinguished guests
- More than 40 internationally renowned guests are leading workshops on Jan 6 and Plenary Sessions on Jan7, 8.

More than 300 papers were submitted for ICTIEE 2015. These were reviewed by over 250 experts (including more than 100 from the US). 135 of these papers were selected for oral presentation and 65 papers were selected for poster presentation. All papers (Oral and Poster) are made available to participants of ICTIEE 2015 on a CD.

25 of the highly ranked papers have been selected for publication in this Special Issue of JEET. A few more selected papers will be published in subsequent issues in 2015.

Both JEET and ICTIEE are part of an ecosystem being gradually built by IUCEE for improving the quality and global relevance of engineering educationin India as well as across the world. This is an important contribution towards producing good quality engineers to address the challenges facing human beings all over the world. During the past few years we have been able to connect thousands of faculty, students and administrators in engineering colleges all over India with hundreds of global and industry experts in engineering. I believe this kind of an ecosystem is absolutely essential for faculty to share their experiences and learn from others, as well as for being recognized for their innovations in engineering education. The ecosystem we are gradually building includes annual conferences, an international journal for sharing best practices, an e-learning platform for sharing course materials, a teacher certification program to ensure quality of teachers, as well as face-to-face interactions with faculty and students across the world through international organizations. I thank all the dedicated people who are part of this effort.

Dr. Krishna Vedula is Professor of Chemical Engineering and Dean Emeritus, Francis College of Engineering, University of Massachusetts Lowell, USA. He is currently founder and executive director of the Indo-US Collaboration in Engineering Education (IUCEE). He has been the President of IFEES (International Federation for Engineering Societies) from 2010-12.Dr. Vedula is well recognized globally for his contributions to engineering education, research, administration and outreach. He is internationally recognized for his research in processing and properties of materials for high temperature applications. He has been made a Fellow of American Society for Metals (ASM) and a Fellow of the American Society for Engineering Education (ASEE).Dr. Vedula has B.Tech (IIT Bombay, 1967), M.S. (Drexel University, 1969) and Ph.D. (Michigan Tech University, 1980) degrees in Materials Engineering. He has 30 years academic teaching and research experience in materials science and engineering as well as engineering administration, at Case Western Reserve University, Iowa State University and University of Massachusetts Lowell.