

Evaluating the Performance of State University, National Important Institute and Private Deemed Universities in Chennai (India) by using Data Envelopment Analysis

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Abstract

Education Institution evaluation is one of the most critical activities in teaching and learning process. Selecting the wrong institution could be enough to deteriorate the whole process and operational positions. This paper proposes and demonstrates the application of Data Envelopment Analysis (DEA) in evaluating the performance measures of Indian institute of technology, Chennai and Anna University, Chennai. It was also formulated taking eight Private Deemed universities relative performance efficiency in relation to input and output variable. The result of the paper can be used to identify best educational institute for the purpose of maximizing the contribution to Society.

Biography

John Rajan is a Professor, and Head of Mechanical and Production Engineering in the Sathyabama University, Chennai, India. He earned B.E. in Mechanical Engineering from National Engineering College affiliated to Madurai Kamaraj University, Madurai, India, Masters in Industrial Engineering from Thiagarajar College of Engineering affiliated to Madurai Kamaraj University, Madurai, and PhD in Mechanical Engineering from Anna University, Chennai. He has published several Journal and Conference papers in the area of Operations Research, Supply Chain Management & Logistics and advanced welding techniques. He has eighteen years of experience in teaching and two years of experience in Industry. His research interest includes application of decision-making tools and mathematical programming to supply chain management, Advanced Welding Techniques, Energy Engineering and Management and Coating. He is a member of Indian Society of Technical Education (ISTE), Indian Institute of Production Engineers (IIPE) and Operational Research Society of India (ORSI). He received a funded project from IGCAR, Kalpakkam. He is a reviewer of International Journal of Design & Manufacturing Technologies.