

Industrial Attachment, Internship and Training for Undergraduate Engineering Students: Current Scenario and Industry 4.0 Incorporation

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Abstract

In most of the undergraduate engineering programs around the world are required to have familiarization component of real life engineering works. It has different names and modes like industrial attachment, industrial training, internship etc. Besides, duration of such modules varies as well from a few days to a full semester or a full year. Now fourth industrial revolution has been happening and all modes of our life will be affected due to it. Therefore, the engineering students should graduate with the real life experience of the application if industry 4.0 in the professional fields. In this regard, modification of current industrial attachment modules is necessary. In this paper, current scenario of the industrial attachment modules from different continents are briefly described and suggestions to make it relevant to the impact of Industry 4.0 are presented.

Keywords

Industrial Attachment, Industrial Training, Internship, Industry 4.0, and Engineering Education.

Biography

Dr. A R M Harunur Rashid is an Associate professor of Department of Mechanical and Production Engineering (MPE) at the Islamic University of Technology (IUT). He earned his Ph.D. from Dublin City University (DCU) and B.Sc. in Mechanical Engineering from Bangladesh University of Engineering and Technology (BUET). His research activities include the area of Ergonomics, Engineering Design, Management, Maintenance Engineering, Operations Research, Life Cycle Analysis and Renewable Energy. He is actively involved with the activities of IEOM Society and has been serving as the Honorary General Secretary of IEOM Society Bangladesh Chapter since 2016.