

## 2<sup>nd</sup> International Conference and Exhibition on **Industrial Engineering**

November 16-18, 2015 Dubai, UAE

### **Reliability centred maintenance approach for the enhancement of reliability of process industries**

**Sanjeev Kumar**

YMCA University of Science & Technology, India

RCM provides simple, precise and easily understood criteria for deciding technical feasibility of PM/PdM task in the particular context. This means that PM/PdM tasks are only specified for failures which really need them. This in turn leads to substantial reduction in routine workloads. Less routine work also means that the remaining tasks are done properly. This together with the elimination of counter productive tasks leads to more effective maintenance. RCM creates awareness in Maintenance professionals regarding six patterns of failures. A maintenance professional as such comes to terms with the reality of randomness after decades in bathtub. Maintenance professionals thus realise that the idea of age related failures simply does not apply to random failures (Pattern D, E and F). An awareness of these facts has led some organisations to abandon the idea of PM altogether for failures with minor consequences.

#### **Biography**

Sanjeev Kumar has completed his PhD at the age of 35 years from National Institute of Technology Kurukshetra and Masters from the same institute. He is the Associate Professor in Department of Mechanical Engineering at YMCA University of Science & Technology, India. He has published more than 40 papers in reputed journals and conferences. He has been serving as an Editorial Board Member of reputed journals.

[getsan25@rediffmail.com](mailto:getsan25@rediffmail.com)

**Notes:**