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Research Centre in Industrial Engineering and Management (IEM)

The Research Centre in Industrial Engineering and Management (IEM) functions as a multidisciplinary platform for advanced research, innovation and intellectual development in the broad domains of industrial systems, operations and management sciences. The centre envisions creating a synergy between engineering principles, managerial practices and cutting-edge technologies to address the evolving challenges of modern industries and organisations.

By integrating methodologies from systems engineering, data analytics and decision sciences, the center seeks to develop scientifically grounded, data-driven and sustainable solutions to complex industrial and societal problems. Its core philosophy lies in combining technological advancement with human-centred design and ethical responsibility, ensuring that research outcomes contribute not only to operational excellence and productivity but also to environmental stewardship and social well-being.

The centre emphasises interdisciplinary collaboration, engaging researchers, industry practitioners, policymakers and students in joint problem-solving endeavours that span across domains such as smart manufacturing, supply chain resilience, industrial automation, quality engineering and digital transformation. Through such collaborative research initiatives, the centre aims to bridge the gap between theory and practice, enabling the translation of academic research into actionable industrial strategies and sustainable business models.

Furthermore, the Research Centre in IEM plays a pivotal role in capacity building and knowledge dissemination, fostering a culture of innovation, entrepreneurship and continuous improvement. It serves as an incubator for ideas that drive technological modernisation, policy formulation and industry-academia partnerships, thereby strengthening the national and global competitiveness of industrial enterprises.

Doctoral and Postgraduate Research

The Research Centre is offering M.Sc. (Engg.) by Research and Doctoral (Ph.D.) programmes, which is recognised by VTU since 2004, offering opportunities for Research scholars to engage in cutting-edge research aligned with global industrial challenges.