

PhD Research Proposal

SUSTAINABILITY IN MANUFACTURING

The drive of the manufacturing industry towards productivity, quality and profitability has been supported in the last century by the availability of relatively cheap and abundant energy sources with limited focus on the minimisation of energy and material waste. However, in the last decade more and more stringent regulations aimed at reducing pollution and consumption of resources have been introduced worldwide. Consequently, a highly mature and competitive industries like metal casting is expecting challenges that an endeavour towards sustainability can turn into significant opportunities for the future.

This proposed research mainly focuses on how sustainability can be implemented in various Manufacturing processes like casting, welding etc.

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