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problem and you have a team to solve that and the team is working towards a solution then you can apply this concurrent principle concurrent engineering also known as simultaneous engineering is a method of designing and developing products in which the different stages run simultaneously rather than consecutively it decreases product development time and also the time to market leading to improved productivity and reduced costs concurrent engineering ce or concurrent design and manufacturing is a work methodology emphasizing the parallelization of tasks i e performing tasks concurrently which is sometimes called simultaneous engineering or integrated product development ipd using an integrated product team approach one of the most popular examples of this type of engineering is the development of the boeing 777 which is a commercial aircraft this was designed by geographically distributed companies that worked on a common product database who is a concurrent engineer the tenets of concurrent engineering all stakeholders represented on the design team from the beginning of the product development effort until the product goes to the customer all stakeholders are represented on the design team example of stakeholders include marketing sales finance research design manufacturing service erik jonsson school of engineering and computer science computer science bs degree requirements 124 semester credit hours four year degree plan example this is an example only please see advisor to develop an individual four year plan

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driven and platform driven they explore the concurrent engineering process models regarding product family development several industry examples are presented to highlight the context and illustrate the four proposed processes williams allen rosen and mistree in their paper designing platforms for customizable products

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maximizes reader insights into the concept of concurrent engineering ce both in research and in practice including current theoretical and practical challenges provides real world examples and use cases that thoroughly illustrate the achievements and practices of ce

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