CS6704: Software Engineering: An Agile Perspective

The use of Agile principles and methods in software development is becoming a powerful force in today's workplace. Conferences, conference tracks and special journal issues focusing on applications of Agility to many domains attest to this fact.

The content of the course will focus on the need for and application of Agile principles, methods and techniques to the various stages of the software development cycle. Instruction will address where the application of Agile methods are appropriate, as well as where they are not. In particular, instruction and presentations will focus on:

•	A study of the Agile Manifesto, Agile principles, and methods/techniques underlying those principles.
•	The application of Agile principles and methods to the different phases of the software development process
•	Domain applicability of Agile Software Engineering

The students will also be required to read/present current research papers on various aspects of Agile Software Engineering. We also envision a software development component that employs the Agile approach.