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| Milestones | Steps | Tools involved | Deadline | Estimated number of hours | Effective number of hours |
| Understand the ϕ-FEM technique | Read the documents related to ϕ-FEM |  | 03/11/2020 | 4 |  |
| The Poisson equation | 1. Install FEniCS using Docker 2. Solve the Poisson equation using the classic FEM technique 3. Perform the convergence study in norms and 4. Solve the Poisson equation using the ϕ-FEM technique, without stabilising terms. Compare the results with the classic FEM technique 5. Repeat the preceding test, while applying stabilizing terms | * Docker * FEniCS | 10/11/2020 | 20 |  |
| The elasticity equation | 1. Reformulate the elasticity equation using ϕ-FEM 2. Solve the equations using FEniCS | * Docker * FEniCS | 19/01/2021 | 30 |  |