**Course Objectives:**  
To carry out a small scale project to develop hands-on experience of working in a project. During the course, the student will also develop knowledge of application development platforms and tools (Java /C# dotnet / Visual C++/PHP or any platform of current trend). The students will learn working as a team and basic collaboration and project management skills. The student will also learn about formulating project documentations.

1. **Project ideas and proposal guidance (4 hours)**
2. **Application development  (10 hours)**
   1. Visual programming (object oriented)
      1. Language basics
      2. Frameworks and APIs
   2. Programming basics and design patterns
3. **Project management, team work and collaboration (8 hours)**
   1. Project management techniques
   2. Collaborative development environment
4. **Project guidance (5 hours)**
5. **Project work (30 hours)**
6. **Project documentation guidance (3 hours)**