



Modelling based science teaching for primary school teachers:

Integration of intelligent system

Dr. Ahmet YAVUZ

About you and your organisation

- **Your own name: Ahmet YAVUZ**
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- **A brief information about your studies**
 - **Physics and Science Education, Integration and use of novel technologies in physics and sciences education**
- **Your organisation's name: Nigde University**
- **The nature of your organisation: Academic institution**
- **The country from which it operates: Turkey**
- **The department within the organisation: Education Faculty**
- **The speciality of the department: Science and Technology Education**

Your Experience

- The skills of you and your organisation: We
 - are working on innovative methods in science and technology education
 - have experience on research activities on improving of student learning and training of science and technology teachers
- The topics you are interested in are
 - SiS-2010-2.2.1.1. Supporting and coordinating actions on innovative methods in science education: teacher training on inquiry based teaching methods on a large scale in Europe

Your Experience

- Involvement in previous / ongoing projects in the area:
 - *“Acquiring Science Process Skills in the Concept of Hearing and Seeing Modelling: Artificial Ear and Colour Recognizing Robot”* funded by TUBITAK (2009-2010)
 - *“The Communication in Science Inquiry Project (CISIP)”* funded by National Science Foundation –NSF- (2004-2009)
 - *“Action Research and Suggestions in the Concept of Science Education Reform to Improve Scientific and Technological Literacy of Secondary School Students in the Regions with a Low Social-Economical Environment”* submitted to TUBITAK- September 2009

Your Project ..

The aim of the project is

Improve scientific and technological literacy of prospective teachers

- **Keywords related to the proposal:**
 - Science and Technology Education
 - Intelligence Systems
 - Scientific and Technological literacy
 - Teacher Training
 - Inquiry based science learning

Content of the Project in Brief

- The project should focus on
 - Establishing a network between research groups
 - who conduct research on “Scientific and Technological Literacy”
 - Organization of activities, such as workshop, symposium etc. in order to stimulate research ideas on novel methods in Science and Technology Education
 - Exchanging researchers to promote further collaboration between the network
- The objectives of our proposal are
 - To propose new methods to improve Scientific and Technological Literacy of prospective teachers, by integration of intelligent systems into science and technology education

Possible Partners

- An idea of the existing partnership:
- The possible partners for this project can be
 - From Academia-
 - From Research Institute-
 - From industry-
 - Possible SMEs-