



Project funded by the EU Lifelong Learning Programme
Project Reference No. 527877-LLP-1-2012-1-UK-ERASMUS-ENW

SALEIE Student Project in Assistive Technology Project 4

Project Supervisor:	Tony Ward	SALEIE partner	University of York
Project Title: Talking Electronic Component Identifier			
Project duration:		Project level	Final year (year 3 or 4) undergraduate project
Course Suitability:	Bachelor (or Integrated) Masters in Electronic Engineering		
Project Description:			
<p>Imagine you have extremely poor eye-sight and cannot read the markings of the small electronic components we see in electronics these days. This is the underlying problem this project aims to solve. Initially aimed at two legged components, the device will tell you, by talking to you, what the component you are holding is and what its key characteristics are, in particular its value. The project involves the circuitry to detect the component, identify its type and then measure its value. It is expected that the components that can be identified will be resistors, capacitors, inductors and diodes in the first instance.</p> <p>This project links into the active <i>EU Lifelong Learning Programme "SALEIE" (Strategic ALignment of Electrical and Information Engineering in European Higher Education Institutions)</i> and the work will be aligned to the area of assistive technologies to support students with disabilities.</p>			

The project descriptions are provided and also the contact details of the project proposer for more information or to discuss potential collaboration. These project descriptions are provided as ideas for other institutions to develop projects in assistive technology. If you want to refer to these project ideas, we would ask that you acknowledge the SALEIE project as follows:

"This project idea was developed as one of the project proposals provided under the EU Lifelong Learning Programme "SALEIE" (Strategic ALignment of Electrical and Information Engineering in European Higher Education Institutions). Project Reference No. 527877-LLP-1-2012-1-UK-ERASMUS-ENW Project funded by the EU Lifelong Learning Programme"

<http://www.saleie.york.ac.uk>

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