



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 5

Project Supervisor:	Tony Ward	SALEIE partner	University of York
Project Title: Soldering aid for students with only one hand			
Project duration:		Project level	Final year (year 3 or 4) undergraduate project
Course Suitability:	Bachelor (or Integrated) Masters in Electronic Engineering		
Project Description:			
<p>The objective of this project is to investigate methods by which a student with only one usable hand – either as a result of a permanent disability, loss of a limb or temporary incapacitation resulting from a fracture. The problem is that two hands are needed in the soldering process, one to hold the soldering iron, the other to hold and dispense the solder. This project will explore and trial methods of achieving a good quality soldered joint using only one hand. Possibly using other body parts such as the foot to activate something.</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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