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ITEA 3 is a EUREKA strategic ICT cluster programme

Exploitable Results by Third Parties

11027 MoSHCA

My Mobile and Smart Healthcare Assistant

Project details

Project leader:	Hendrik R. Schwietert
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Name: eXiTCBR v.4		
Input(s):	**Main feature(s)**	**Output(s):**
▪ Csv data files ▪ Case-based reasoning parameters	▪ Case-based reasoning configuration ▪ Case-based reasoning experimentation	▪ Case-based reasoning system library
Unique Selling Proposition(s):	▪ Experimentation with different case-based reasoning parameters and frameworks, and automatic generation of a library corresponding to the selected/best Case-based reasoning setting.	
Integration constraint(s):	▪ Case-based reasoning configuration and experimentation is a standalone software. ▪ The generated library could be called by any software component. ▪ Tasks: classification (binary and multi-label).	
Intended user(s):	▪ Engineers with a basic background on Artificial Intelligence that wish to generate a case-based reasoning system for a specific application domain. ▪ A tutorial is available on the web page (see below)	
Provider:	▪ University of Girona ▪ Available at http://exitcbr.udg.edu/	
Contact point:	▪ Beatriz López – Beatriz.lopez@udg.edu	
Condition(s) for reuse:	▪ GNU. ▪	

Latest update: 13 February 2016

Name: Automatic urine analysis system		
Input(s):	**Main feature(s)**	**Output(s):**
▪ Dip-stick for creatinine and albumin ratios	▪ Reference color sheet ▪ Image recognition algorithms that compare the measured colors to reference values	▪ Creatinine and albumin ratios

Unique Selling Proposition(s):	▪ Can be used with only an ordinary smartphone with camera ▪ Calibrates to take varying lighting conditions into account
Integration constraint(s):	▪ Smartphone needs to have a sufficiently good camera ▪ Android platform
Intended user(s):	▪ mHealth developers
Provider:	▪ Radboud University Nijmegen
Contact point:	▪ Peter Lucas – peterl@cs.ru.nl
Condition(s) for reuse:	▪ License to be negotiated.

Latest update: 11 February 2016

Name: Mobile Data Aggregator for BAN		
Input(s):	**Main feature(s)**	**Output(s):**
▪ BLE data stream	▪ Feedback through various modalities	▪ Bluetooth transmission

Unique Selling Proposition(s):	▪ Enables the forwarding of BLE sensor data to Bluetooth devices
Integration constraint(s):	▪ Up to 200Hz data
Intended user(s):	▪ BAN solution developers
Provider:	▪ Evalan
Contact point:	▪ info@evalan.com
Condition(s) for reuse:	▪ Commercial license with one-time license fee ▪ Purchase of devices

Latest update: 27 February 2016

Name: Audio Analysis Engine		
Input(s):	Main feature(s)	Output(s):
▪ Audio stream ▪	▪ Classification ▪ Regression	▪ Audio category ▪ Event severity

Unique Selling Proposition(s):	▪ Scales from single stream on embedded systems to thousands of streams on servers ▪ Many different audio detectors based on shared engine technology.
Integration constraint(s):	▪ C++11 compiler available for platform (E.g. GCC 4.8 or better, Visual Studio 2012 or better) ▪
Intended user(s):	▪ System Integrators ▪ Security System designers
Provider:	▪ Sound Intelligence
Contact point:	▪ info@soundintel.com
Condition(s) for reuse:	▪ Commercial license, priced per detector/audio stream ▪ One-time license fee or subscription

Latest update: 10 February 2016

Name: Wireless BLE Force Sensor		
Input(s):	**Main feature(s)**	**Output(s):**
▪ Force	▪ Position independent ▪ Completely Wireless	▪ BLE data stream 50 HZ
Unique Selling Proposition(s):	▪ Wireless force sensor suitable for mobile applications ▪ Force measurement output is position independent ▪ Ability to measure 4 separate points	
Integration constraint(s):	▪ Up to 200Hz data from individual sensor points ▪ Streaming with 50 HZ	
Intended user(s):	▪ Developers of solutions where real-time and wireless measurements of force are important – rehabilitation, sports, physical therapy	
Provider:	▪ Evalan	
Contact point:	▪ info@evalan.com	
Condition(s) for reuse:	▪ Commercial license with one-time license fee ▪ Purchase of devices	

Latest update: 29 February 2016

Name: Rule Generator		
Input(s):	**Main feature(s)**	**Output(s):**
▪ Text ▪	▪ Generation of rules from text ▪	▪ Rules ▪

Unique Selling Proposition(s):	▪ Automatic source code generation of a simple rule-base. ▪ Simply
Integration constraint(s):	▪ Not designed for integration. ▪ Designed for purpose in the Moscha platform.
Intended user(s):	▪ Physicians and end users can enter rules of thumb regarding an application in a simply text format.
Provider:	▪ University of Girona
Contact point:	▪ Beatriz López – beatriz.lopez@udg.edu
Condition(s) for reuse:	▪ GNU. ▪

Latest update: 13 February 2016