

N	Group	Project	Evaluation
1	<p>HE HAIYUN, 329213565@qq.com,Heri anHe, programmer WU MING, lemonicgod@gmail.com, lemonicgod, programmer YU FENG, bpm123@gmail.com, bpm123, programmer</p>	<p>Project Acronym: EB Project Title Eyes Blinker</p> <p>Description When people are playing video games,programming,reading and watching videos by computer,cell phone and tablet,they blink eyes about 3 times or less per minute.People blink about 10-15 or more times per minute in normal time.If people haven't blinked for a long time,eyes will be dry and tired.Our system will provides the main function to force users to blink if they haven't blinked for a configurable time by blurring their screen image in few seconds(from none to a configurable blur factor) or giving user a warning text or controller vibrating to keep their eyes wet.The system may provides other sub-function to keep users' eyes healthy(like low ambient light warning,sitting posture correction,long computer using time warning.....).The system may collects data from the software and arranges data to back feed to users.</p>	<p>Action: Re-think</p> <ul style="list-style-type: none"> <li>• Aml features weak</li> <li>• Acting???</li> </ul>
2	<p>Nunzio Turco, nunxyo@gmail.com, nunzio-turco, hardware developer, programmer; Eugenio Gallea, gallea6@gmail.com, EugenioGallea, web developer, programmer; Francesco Lupo, lupobass@gmail.com, FraLupo, user interface developer, programmer; Francesco Perego, perego.francesco7@gmail .com, FrancescoP7, project developer, programmer;</p>	<p>Project Acronym: SLPT Project Title Sleep Tight Description A smart environment that, through analyzing your daily routine and activities, offers you the best sleeping patterns and changes all aspects that influences your sleep, e.g. changing light temperature in your room and changing its dimness, modifying the room temperature or reducing external noises. Creating a personal routine that suits you and prepares you to go sleep in the best possible way.</p>	<p>Action: OK</p> <ul style="list-style-type: none"> <li>• More details about acting and sensing</li> <li>• The current description is too vague</li> <li>• Differentiate from SleepMO</li> </ul>

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2		<p>Project Acronym: CWT  Project Title:  Clothing Weather  Description  This system should provide you with the suitable clothes that are in your wardrobe depending on the weather and your agenda. It chooses adequate clothes also according to the colours and what you wore the previous day in order to be as fashion as possible while being suited as best as possible in any events.</p>	<p>Action: No</p> <ul style="list-style-type: none"> <li>• Not related to theme</li> <li>• Not Ambient</li> </ul>
3	<p>Ciravegna,  s201055@studenti.polito.it, s201055, role in the project  Fabio Cofano,  s205191@studenti.polito.it, GitHub username, role in the project  Andrea Coluccio, s203625@studenti.polito.itl, s203625, hw designer</p>	<p>Project Acronym: SJ  Project Title  Smart Jogging  Description  It's a service that allows users to calculate the best route in order to avoid pollution while they are walking and jogging around the city. Furthermore it may alerts them when they are going through a highly polluted zone.</p>	<p>Action: No</p> <ul style="list-style-type: none"> <li>• No ambient acting</li> <li>• No direct sensing</li> <li>• Mobile-only</li> </ul>
4	<p>Manuel Del Verme,  manuel.delverme@gmail.com, manuel-delverme, enlightenedCodemonkey  Fabio Molinaris,  fabiomoli92@gmail.com, fabiomolinaris, management  Husam Hreitani,  h.hreitani@gmail.com, H-schwert, software and sensors  Hussein El Khatib, husseinalkhatib@gmail.com, husseinalkhatib, web designer</p>	<p>Project Acronym: AnDe  Project Title  Anomaly detection  Description  Environment system able to monitor information like temperature, pulse rate, [lack of] movement and understand if something is out of the ordinary.  Image processing is used to understand if the monitored user is in a problematic position (example: lying on the floor or still for an elder/disabled, outside the allowed zones or still for a baby/pet)  If an abnormal behavior is registered a supervisor [middleman] is notified, and provided with the data used to identify the situation as anomalous. The supervisor [middleman] decides if immediate action is required (e.g. medical or fire emergency), or a notification to the customer will suffice (minor waste of resources, damaging behavior of a pet) or no action is required (false positive or situation already taken care of).  The customer is notified by notification or by operator call.</p>	<p>Action: No</p> <ul style="list-style-type: none"> <li>• No acting</li> <li>• Interaction: very weak</li> <li>• Reasoning: mostly data fusion</li> <li>• Mainly a monitoring project</li> </ul>

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4		<p>Project Acronym: FdNu</p> <p>Project Title Food Nutrients</p> <p>Description The system is able to take information of what kind of food is present in the home's user by the supermarket loyalty [smart]card. The user is reminded when in range of a supermarket of missing nutrients based on Recommended daily allowances (RDA) adapted to the user-specific needs (height, weight) and presented with a list of possible foods that could be bought. The user could be presented with home-delivery foods that balance his food deficiencies.</p>	<p>Action: No</p> <ul style="list-style-type: none"> <li>• Not an Aml project</li> </ul>
4		<p>Project Acronym: SleepMO</p> <p>Project Title Sleep monitor &amp;&amp; optimization</p> <p>Description A sleep monitor to improve your daily activities by helping you to rest. According to your daily activities, the task and appointment in calendar and the quality of your sleep, the system is able to evaluate the best moment to wake you up and, if necessary, remember you to go to bed as soon as possible, so you can sleep the correct number of hours. The system is able to estimate how much you are tired according to you activities (it can understand the difference between go to gym or study, for example) and how much you need to be rest for the next day. According to what have you done during the day and what aspect you to do the next day, the application wake you up at the right time to be on time at work and maximize the quality of your rest.</p>	<p>Action: OK</p> <ul style="list-style-type: none"> <li>• Limited acting</li> <li>• Improve Ambient interaction</li> <li>• Differentiate from SLPT</li> </ul>

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5	<p>Simone Machetti, email, GitHub username, role in the project</p> <p>Ansal di Matteo, ansaldimatteo@yahoo.co.uk, ansaldimatteo, role in the project</p> <p>Chaitani Karim, email, GitHub username, role in the project</p> <p>Tzamn Melendez, email, GitHub username, role in the project</p>	<p>Project Acronym: PS</p> <p>Project Title</p> <p>Pill-Safe</p> <p>Description</p> <p>Reading articles and news one can easily come across some important statistics, more than half of the elderly people in Italy (especially over 70) make errors during the assumption of medicines, assuming them at the wrong hours and in the wrong doses or simply forgetting to assume them at all. The system we would like to design will be able to solve these problems, helping an elderly person to assume its medicines always at the right time and in the right doses...confusion between different medicines will be no longer possible. Moreover, the medicine schedule will be able to be easily set by a family member using a smartphone or a computer, also far away from the medicine case. Finally, the system will be able to detect whether the elderly person has not assumed the medicine, advising immediately a family member. The temperature of the case will be also monitored in order to guarantee the best conservation of the medicines.</p>	<p>Action: No</p> <ul style="list-style-type: none"> <li>No ambient interaction</li> </ul>
6	<p>Federico Parodi, s201764@studenti.polito.it, fedeparo, programmer</p> <p>Filippo Caldera, s193567@studenti.polito.it, PhilPoli, hw designer</p> <p>Francesco Gramazio, s201181@studenti.polito.it, francescogramazio, programmer</p> <p>Simone Impagnatiello, s203805@studenti.polito.it, simix1994, hw designer</p>	<p>Project Acronym: PC</p> <p>Project Title</p> <p>Pets Care</p> <p>Description</p> <p>Pets Care Intelligence is an automatized system aiming to look after a pet when you can't do it personally, because of your large amount of daily tasks. The device allows the user to decide if manage automatically or "manually", through and interface, the amount of food, water and most indicated time slots during which feeding the pet. The user can schedule daily meal, but can also switch to a real time "manual" control in order to modify tasks. Food and water are provided by automatic dispensers. Moreover, our system can overview the well-being of our pet via parameters like weight, effectively consumed food, environment conditions and massage the user about pet's unusual behaviours. The system uses a weight sensor under the bowl controlling if the pet consumed food, and another weight sensor which measure pet's weight when it's eating. Food and water levels into the dispensers are evaluated through sensor taking over critical levels and warning the user in case of necessity. The system is able to takes over the air temperature and decides itself if provide more water.</p>	<p>Action: Re-think</p> <ul style="list-style-type: none"> <li>Very limited ambient interaction, must be improved (consider the whole house, not just feed dispenser)</li> </ul>

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7	<p>Sara Battelini, s201138@studenti.polito.it, SBattelini, programmer            Federico Lapenna, lapennafederico@gmail.com, Miucio, programmer            Mattia Lavacca, s204825@studenti.polito.it, matlavacca, programmer            Valianos Kefallinos, valikef@gmail.com, valkelaf, hardware and design</p>	<p>Project Acronym: CW            Project Title            Cool Wagon            Description            Trains in Italy are not always very comfortable. They can be packed with people, too hot, too cold, too noisy, have a bad air quality... Cool Wagon provides a way to know the conditions of each wagon of a given train, and suggests what wagon might best suit you, based on your preferences (do you prefer hot or cold? Do you mind noise? Etc), on how many people are in each wagon, and on the overall conditions of the wagons. The conditions of the wagons are dynamic, and so is Cool Wagon: if your wagon is no longer good for you, Cool Wagon will assist you in choosing a new one you can move to.            Moreover, Cool Wagon will try to bring the wagons to their optimal conditions in terms of temperature and air quality, managing them automatically to give you a comfortable travelling experience.            Bonus: Cool Wagon will let you know which bathrooms are free, so that you won't cross the whole wagon just to wait in line for your turn.</p>	<p>Action: Deeply Re-Think</p> <ul style="list-style-type: none"> <li>• No interaction</li> <li>• Acting is limited to energy systems (difficult to show)</li> <li>• Sensing is not clear</li> </ul>
7		<p>Project Acronym: TEV            Project Title            Third Eye Vision            Description            Third Eye Vision provides a system that helps visually impaired people in their everyday life.            The system is composed by a cane (or a dress) with some sensors that detect surrounding urban obstacles like walls, poles, or people too; when the system detects an obstacle, the user receives a signal (sound or vibrations) that helps him avoid it.            The “Not physic” obstacles, like pedestrian crossings or traffic lights could be detected using some kind of sensors integrated in those elements that “talk” with the system and show it their right position.            The system could also provide for the integration of a geolocation service, that leads the user in the town map.</p>	<p>Action: Deeply Re-Think</p> <ul style="list-style-type: none"> <li>• Should consider more the ambient, especially in acting</li> <li>• Improve acting</li> <li>• Differentiate from BnM</li> </ul>

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7		<p>Project Acronym: SOS  Project Title  Safe or Sound</p> <p>SOS provides a way for parents to always keep track of their children's health and security.</p> <p>The child is provided with a wearable intelligent accessory that tracks their position, and will be able to sense when the kid might not be feeling well or might be in danger. This can be done through sensing the kid's heartbeat, breathing, and through vocal input (i.e. if the kid screams. The system will be able to differentiate a happy shout from a panicked/agonizing one). In the case of danger, the parent is immediately notified of the situation and of the position of the kid. In the case of perceived extreme danger the accessory will also sound an alarm, so that other nearby adults can notice and help the kid in absence of the parents.</p> <p>The parent can have access to the child's position at any time, and they can notify the app when the kid is in a safe environment and/or in the presence of a trusted adult, or if the child is doing an activity that may alter their parameters to unusual levels (e.g. they are playing a sport), so that the alarm won't unnecessarily go off.</p>	<p>Action: No</p> <ul style="list-style-type: none"> <li>• No acting</li> <li>• No ambient: it's a pure monitoring project</li> <li>• Very limited reasoning</li> <li>• Limited interaction</li> </ul>

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8	<p>João Miguel Vieira Cartucho, joaocartuchoo@gmail.com GitHub Cartucho: <a href="https://github.com/Cartucho">https://github.com/Cartucho</a> Programming, Hardware and Design.</p> <p>Claudia De Vizia, s201317@studenti.polito.it GitHub s201317: <a href="https://github.com/s201317">https://github.com/s201317</a> Programming, Hardware and Design.</p> <p>Federico Muscarà, s201072@studenti.polito.it GitHub Federico201072: <a href="https://github.com/Federico201072">https://github.com/Federico201072</a> Programming, Hardware and Design.</p> <p>Karolina Perska, karolina94@interia.eu GitHub karperpoz: <a href="https://github.com/karperpoz">https://github.com/karperpoz</a> Programming, Hardware and Design.</p>	<p>Project Acronym: Angee Project Title Angee Description Motivation: Numerous studies have identified several factors that may increase a baby's risk to sudden infant death syndrome (SIDS). By analysing the factors, we understood that an individual device could be created providing a non-intrusive monitoring. We further understood the power of upgrading it to a calming device when baby's get fussy. Objectives: The goal of this project is to implement an automated monitoring system for the early detection of baby's risk factors in a cradle. The system will alarm the parents providing relevant information (according to the context), allow a live view of the cradle and soothe crying baby's, contributing to an overall safer and calmer environment.</p>	<p>Action: Ok</p> <ul style="list-style-type: none"> <li>Specify the Acting (right now, it doesn't appear)</li> <li>Focus (no video surveillance)</li> <li>Better specify sensed data and presented information</li> </ul>

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9	<p>HASSAN TAHA,  hthassan12@gmail.com,  <a href="#">Hassan-T</a>, Programmer  MAHER KARZOUN,  maher.karzoun@gmail.com,  <a href="#">MaherKarzoun</a>,  Programmer  NOUSSAIBA BEN AYED,  noussaiba.ben.ayed@gmail.com,  <a href="#">NoussaibaBA</a>,  Designer with some programming skills.  ALI HAJAIG, email,  GitHub username,  Designer</p>	<p>Project Acronym: DT  Project Title: Day Tracker  Description  Day Tracker track your daily activities , it helps you to wake up early ,walk,bike and have healthy dinners.  Also suggest you the right choice of food at the right time that your body needs, Day Tracker contains collection of recommended activities to do during the day.  It also motivates you by gaining positive points for every achieved activity,and punishing You for neglecting the activity.  You can share your score and the achieved activities with your friends on the social media.</p>	<p>Action: No</p> <ul style="list-style-type: none"> <li>No ambient</li> <li>Just sensing</li> </ul>
10	<p>Alessi Roberto,  roberto.alessi@studenti.polito.it,  robymontyz, software developer  Amico Simone,  s200948@studenti.polito.it,  simoamico94, software developer  Contento Leone,  s105025@studenti.polito.it,  owlguard, project manager, hardware developer  Rossi Mattia,  mat.rossi@studenti.polito.it,  doublewisp, hardware developer, graphic designer</p>	<p>Project Acronym: RPY  Project Title  RoompathY  Description  RoompathY is an intelligent environment that adapt itself following your personal emotions.  Imagine a room, that collects your physical information, such as heartbeat and body temperature, creates your psychological profile asking you some question through a companion application [OLD: sensing your physical and psychological data], and then modifies the ambient around you: lights adjustment, soundscape creation, temperature regulation, flavour diffusion and images projection.So, just for example, if you are angry the system will make you happy, etc.  [OLD: The user interacts with the room through the application, answering a few questions to calibrate the system]. During and after each session the user can interact with the application and will be invited to give some feedback in order to improve the next ones.</p>	<p>Action: Ok</p> <ul style="list-style-type: none"> <li>It's critical to find a sound model for sensing and environment adaptation (psychology studies??)</li> <li>Specify user target</li> </ul>



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10		<p>Project Acronym: NWT</p> <p>Project Title Nightwatch</p> <p>Description Nightwatch is a system meant to assure your safety if you suffer from somnambulism.</p> <p>You'll just have to wear a bracelet before going to sleep: it connects you to your house and if you sleepwalk around during the night, it senses your presence near windows, a specific door, or anything else programmed to be considered dangerous/not to be accessed and shut it/them.</p> <p>Every time you'll get up from your bed, the bracelet lights up as a reminder to activate the bypass mode: if you're awake you probably don't want the system to keep you outside of the bathroom!</p>	<p>Action: Ok</p> <ul style="list-style-type: none"> <li>• Very weak on interaction</li> <li>• Need to check psychological assumptions</li> </ul>
11	<p>Piero Fioretti, s205175@studenti.polito.it , pierofioretti, Project manager and minor software developer</p> <p>Matteo Beccaro, s201788@studenti.polito.it , tbd, software developer</p> <p>Zahid Mehmood, zahid.mehmood@4market ing.it, splendorous, software developer</p>	<p>Project Acronym: WS</p> <p>Project Title WindShield</p> <p>Description WindShield is an intelligent system that will make the driving experience more comfortable and safe. By looking at the projections on the windscreen the user will constantly have under control all the information about the internal environment such as temperature, speed, oil, etc. and external environment, like route distances to nearest gas stations, road conditions, environment conditions etc.. By means of facial and posture recognition the system will understand the driver tiredness and will keep him awake through seat vibrations.</p> <p>The user will interact with WindShield mainly through personalized gestures and speech to change the displayed projections and consult different data. The system will modify itself (for example by dimming the projector brightness) depending on external environmental conditions i.e. rain, snow, light intensity, darkness, etc.</p> <p>We know that sometimes drivers are not alone in the car, so we decided to give the possibility to the passengers to interact with the system to display informations about cities and near places. But mostly... Have you ever watched a movie on your windscreen? (we suggest to do it in stationary conditions).</p> <p>Interacting: driver gestures and speech</p> <p>Sensing: driver tiredness, external environment and road conditions.</p> <p>Reasoning: about external environment, cars speed, external limitations.</p> <p>Acting: seat vibration, projection on windscreen of informations, light and graphics adjustments</p>	<p>Action: Ok</p> <ul style="list-style-type: none"> <li>• Consider prototyping difficulty (mechanized driver seat?)</li> <li>• The sensing is quite difficult</li> </ul>

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12	<p>Carlos Javier Salas Pelayo,  carlosjavier.salaspelayo@studenti.polito.it,  salasberryfin, developer  Pablo Garcia Fernandez,  pablo.garciafernandez@studenti.polito.it, pgarciafer, developer  Javier Méndez Ortega,  javiermendort@yahoo.es, reivaj14, developer</p>	<p>Project Acronym: f4e  Project Title  Food for Exercise  Description  Food for Exercise will be an intelligent system that allows you to create a personalized working out routine as well as a diet periodically updated in order to keep you healthy. Recollecting data from your smart devices (footsteps, heartbeat, oxygen flow, etc.) such as bracelets or smartphones, and by adding your preferred meals, the application will calculate and suggest you your optimal caloric intake (it will tell you, by sending an SMS, or showing you in your laptop, which meals can you eat for the day, if you are allowed to eat chocolate, pizza, or you should just eat vegetables or more healthy meal). Depending on your daily routine and your desired goal (gain muscle, lose fat, etc.), it will elaborate a specific menu (taking into account the actual weather and its consequences) and the appropriate exercising plan.</p>	<p>Action: No</p> <ul style="list-style-type: none"> <li>• Mobile-only</li> <li>• No sensing nor acting</li> </ul>
13	<p>Lorenzo Meli,  s205073@studenti.polito.it, s205073, Software and Hardware programmer  Gianna Pistillo,  s200965@studenti.polito.it, s200965, Project Manager  Maurizio Pinna,  s206703@studenti.polito.it, s206703, Developer  Marco Viadana,  s201314@studenti.polito.it, s201314, Programmer and graphic designer</p>	<p>Project Acronym: SMA  Project Title  SafetyMama  Description  SafetyMama is a system that helps to attain a peaceful pregnancy in total safety. It collects and monitors data and information pertaining to the physical well-being of the mother and the environment she lives in - for example temperature (keeping it optimal), air quality, blood glucose, blood pressure. It also allows her to listen to the heartbeat and movements of the fetus, and to keep her body weight and food diary up-to-date, so to be able to receive feedback.  The weekly data collected will be automatically sent to her gynecologist, who will then be able to provide her with specific advice.</p>	<p>Action: Re-think</p> <ul style="list-style-type: none"> <li>• The “ambient” is missing</li> <li>• Must enhance acting on the ambient</li> <li>• Ambient sensing?</li> <li>• Interaction mainly data browsing? Clarify</li> </ul>

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14	<p>Diego Razquin, s232703@studenti.polito.it, raaskin, programmer</p> <p>Ecenur Bacaksızlar, s232711@studenti.polito.it, ecenurbacaksizlar, UX designer, graphic designer</p> <p>Miryam Subiza, s232704@studenti.polito.it, MiryamSubiza, programmer</p> <p>H. Uğur Genç, s232627@studenti.polito.it, ugenç, UX Designer</p>	<p>Project Acronym: LiW</p> <p>Project Title LiveWell</p> <p>Description LiveWell is a food diary application. For example, you can record what you have eaten for lunch and the application could suggest you something for dinner. The application also has a warning system like reduce sugar intake. You can also tell the app how many glasses of water you have drunk in a day and it calculates how many of them you have to drink to reach the recommended volume of water per day.</p> <p>The app can suggest what meal to cook using an ingredient of your choice, starting with the ones with the fewest calories first. For example: i have some chicken that i want to cook, so I tell it to the app and the app shows me some recipes with fewest calories (first the healthier and so on), and you can choose one of them.</p> <p>This app could use data monitorized by fitness trackers such as fitbit flex, jawbone up 3 or polar m400 and could use them to send notifications to the user.</p> <p>The app also can sense location, temperature and date then suggest the user an appropriate activity for that day. For example, i am in Turin and the app understands my location, temperature and the date, according to those informations the app might suggest me to go ski on Alps or if the weather is nice it might suggest me to walk near the Po etc.</p>	<p>Action: No</p> <ul style="list-style-type: none"> <li>• Mobile-only</li> <li>• No sensing nor acting</li> <li>• The last part is totally unrelated from the first</li> </ul>

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15	<p>Federico Allione, allione.federico@gmail.com, Github federico205054 programmer, hardware developer;</p> <p>Giorgio Alemanno, giorgio.alemanno94@gmail.com, Github Giorgio201771, web developer, programmer;</p> <p>Federico Rocco, s204240@studenti.polito.it, Github FedericoRocco, programmer;</p> <p>Virginia Dentis, s204390@studenti.polito.it, Github VirginiaDentis, user interface developer, programmer</p>	<p>Project Acronym: DgT</p> <p>Project Title DigiTrainer</p> <p>Description The system claims to help a person working out in a gym. When you are in the gym and you are using a certain machine, it informs everybody else that the tool is taken. It displays the number of reps of every exercise you have completed and then it suggests the next exercise.</p> <p>It also guides you inside the gym to reach the instruments you need to do a specific exercise. if what you need is busy at that moment, it suggests you something else to do. When the instrument is available, it lets you know.</p>	<p>Action: No</p> <ul style="list-style-type: none"> <li>• No ambient</li> <li>• No specifit to health</li> </ul>
15		<p>Project Acronym: DgG</p> <p>Project Title DigiGardener</p> <p>Description If you love plants and flowers but you don't have time to take care of them, DigiGardener is what you really need. The system can take care of your plants when you are away from your house. A humidity sensor is placed inside the flower pot. When the soil is too dry, it adverts you and automatically waters the flowers. It also advises you if you are watering too much the plant. A light sensor, if you want, can automatically give the plant the right light it needs to grow in the better way.</p>	<p>Action: Re-think</p> <ul style="list-style-type: none"> <li>• No interaction</li> <li>• Specify health relevance</li> <li>• More details are needed</li> </ul>

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16	<p>Amedeo Bertone, s204059@studenti.polito.it, GitHub s204059, programming</p> <p>Zülal Keskin, zulal.keskin881@gmail.com, GitHub s232707, graphic designer</p> <p>Mauro d'Addato, s201511@studenti.polito.it, GitHub s201511, programming</p> <p>Davide Botteon, s201226@studenti.polito.it, GitHub s201226, hardware-software interface</p>	<p>Project Acronym: BoP</p> <p>Project Title B on Point</p> <p>Description "B on Point" (bracelet on point) is a smart bracelet for sporty people who won't allow anything unexpected to happen and take them by surprise! Every time you decide to go jogging or to ride your bike for a good day of sport you shouldn't forget to wear your "B on Point" and allow it to not only measure your heartbeat and the calories you burned, the external temperature and humidity, but also:</p> <p>To interact with internet sources and positioning systems, to detect your position and inform you of expected changes in weather and eventually of the presence of a safe place to wait for the end of a precipitation/atmospheric disturbance</p> <p>To show you the nearest eateries or touristic points where to spend a break or otherwise particularly interesting routes to take (with a MB for example)</p> <p>To notify you if you're sticking with a fixed training plan</p> <p>Once at home you'll be able to download all the informations about your day, such as covered distance or average speed on your PC, to keep memory of a good day spent without unwanted surprises or even share it!</p>	<p>Action: No</p> <ul style="list-style-type: none"> <li>• Nothing new compared to existing sport bracelet</li> <li>• No ambient sensing</li> <li>• No ambient acting</li> <li>• Little user acting</li> </ul>
16		<p>Project Acronym: PillC</p> <p>Project Title Smart pill case</p> <p>Description This is a smart pill case which reminds patient to take their pills. It has many sections. Patients can put different pills in every sections and the smart pill case warns the patients according to the usage time of pills. According to which pill will be used in that moment, colour of that section is changing and alarming. In this way patients are not concerned about forgetting to use their pills. It can be easily carried around since it is pretty small. Application for the smart pill case can be downloaded and patients can prepare a schedule weekly or monthly with the application. It can be easily carried around since it is pretty small. This application manages pill case for patient. Patient just enter the medication they need and how often they need to take them. This application send notification at the right time. If patients want, them to be alerted by application when the right time. This application allow information about pill. Thanks to this information, patients know that when and how they have to take their pill. This pill box also give information like that you have to take your pill before dinner. Patients can also see this information on pill case.</p>	<p>Action: No</p> <ul style="list-style-type: none"> <li>• No Ambient</li> <li>• No sensing</li> </ul>

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16		<p>Project Acronym: NDark</p> <p>Project Title Never Dark</p> <p>Description It is a bracelet to wear in your home (or outside) that turns the light on for you when it detects your presence in the room. In this way you'll never have to go up to the switch. Also it can be useful during the night when, sleepy, you risk getting hurt against some corner.</p> <p>If you want to turn off the light or turn it back on, there is a small button that allows you to do it (by pressing and pressing it again).</p> <p>It can tell you if someone is at home or if you're alone and is equipped with a small speaker that can ring when someone is looking for it!</p> <p>This bracelet can be implemented with a lot of other functions that can facilitate people's lives in their own home or outside of them.</p> <p>For example, this bracelet could be:  a control for opening the door of his home, but only for added security, not as replacement of the keys  a way to track family members via GPS (great for those who have elders at home)  an immediate emergency request through a SOS button</p>	<p>Action: Deep re-think</p> <ul style="list-style-type: none"> <li>• Limited sensing</li> <li>• Limited acting</li> <li>• Interaction unclear</li> <li>• No reasoning</li> <li>• Basically a wearable remote control</li> <li>• Identify target users (e.g. elderly)</li> <li>• Focus on core functionality</li> </ul>
16		<p>Project Acronym: SBalance!</p> <p>Project Title SuperBalance</p> <p>Description Nowadays a correct alimentation is very important in order to have a good and healthy life. The "SuperBalance" aim is in particular to elaborate the information about the food we eat, giving advice and information about our diet. The user could specify the food he's going to eat (the database could be pre-set to contain informations about the ingredients and doses of them in a x quantity of a specific dish but the user can always modify it in an easy way) and after this weigh it (sometimes it could be impossible to weight a food, in this case is possible to add it manually). With all this information, the "SuperBalance" could notify the user (with screen, light, sound or whatever) if a particular ingredient is more or less present than the previous days and –if it's set by user– whether the value is compatible with a specific diet.</p>	<p>Action: No</p> <ul style="list-style-type: none"> <li>• No ambient</li> <li>• No sensing</li> <li>• No acting</li> <li>• Just a food diary</li> </ul>

N	Group	Project	Evaluation
17	Giovanni Clemente Monna, s201275@studenti.polito.it, gmonna, programming Itzel Barreto, s225829@studenti.polito.it, itzbb, designing Stefano Codazzo, <a href="mailto:s204819@studenti.polito.it">s204819@studenti.polito.it</a> , fieraverto, sensing & electronics Mlađo Milunović, s206946@studenti.polito.it, Roger-The-Shrubber, programming	<p>Project Acronym: BnM</p> <p>Project Title Blind No More</p> <p>Description The project aims to make smart the classic stick for blind people. The idea is to create a tool that allows blind people to realize close obstacles through the vibrations of his cane, to be visible at night, thanks to a small light on the cane activated by a light sensor, by cars or other potentially dangerous elements, to understand when the road can be crossed, i.e. to understand through glasses, using a little camera connected to the vibration of the cane, when the traffic light turns green. All this with the ability to customize the different types of vibration of the stick, so as to immediately understand what to do after the vibration.</p> <p>The stick will also have a GPS, useful mostly for old people, to locate its owner if he gets lost or to allow the owner to send an help request and be localized very soon by relatives or anyone he wants. These GPS information could be stored in a smartphone application accessible by the abovementioned relatives.</p>	<p>Action: Deeply Re-Think</p> <ul style="list-style-type: none"> <li>• Should consider the ambient, in acting and sensing</li> <li>• Improve acting</li> <li>• Differentiate from TEV</li> </ul>
17		<p>Project Acronym: AIX</p> <p>Project Title Amlax: your personal healthcare companion</p> <p>Description Amlax is a family healthcare companion. It's inspired by a Disney cartoon main character. It plays two roles: a family doctor and a health insurance card. About the first one, it's got a database of first aid operating procedures and one of common diseases which could be reached through users interaction and users answers to Amlax questions. After it "thinks" about the probable disease, it could suggest drugs. In case of lack of information about symptoms it could suggest medical exams in order to have a better understanding regard the disease in question. It could even call ICE numbers if necessary.</p> <p>The second one's aim is to program it in a way that lets each member of the family have it's personal data, such as past diseases, intolerance, allergies, eventual intolerance to drugs, and even past surgeries, all stored in a personal account. In order to grantee safety and a short response time, all family members have to wear bracelets which monitor heart rate , and possibly body temperature. Of course the ones who can make the best out of this invention are children, because, in case of emergency, they could be saved due to Amlax's ability to suggest first aid operating procedures.</p>	<p>Action: No</p> <ul style="list-style-type: none"> <li>• No ambient</li> <li>• Just a mobile-base healthcare companion</li> <li>• Just limited user body sensing</li> </ul>

N	Group	Project	Evaluation
18	<p>Yaroslav Sotnyk,  <a href="mailto:sotnik.edu@yandex.com">sotnik.edu@yandex.com</a>,  yasotnik, Team Lead  / Software engineer  Fargham Ahmad,  <a href="mailto:s196326@studenti.polito.it">s196326@studenti.polito.it</a>,  fargham-polito, Software engineer  Rami Hamed,  <a href="mailto:s213781@studenti.polito.it">s213781@studenti.polito.it</a>,  rami-polito, Project design manager  Lev Shkatov,  <a href="mailto:s232930@studenti.polito.it">s232930@studenti.polito.it</a>,  levshkatov, Hardware engineer</p>	<p>Project Acronym:  "BLWG"  Project Title  "Blind Walk Guide"  Description  Blind Walk Guide - is a wearable device that will help blind people to make their walking easier and safer. Sensors will provide us data and two bracelets will give a feedback. We will use two types of sensors so called short-range sensor ( proximity ) and far-range sensor ( GPS ). Combining data from this two sensors after processing it we will give the user feedback ( Stop / move left / right / forward / back ).</p>	<p>Action: No</p> <ul style="list-style-type: none"> <li>• Not enough ambient features</li> <li>• Limited acting, limited interaction</li> </ul>
19	<p>Giacomo Borraccini,  giacomo.borraccini@studenti.polito.it, gborrach,  hardware developer, programmer;  Paul Ionescu, email, GitHub username, role in the project  Daniel Blaga, email, GitHub username, role in the project</p>	<p>Project Acronym: StSt  Project Title  "StudyStation"  Description  The aim is to prevent wrong posture during the daily study session or work and to optimize the own workstation. Benefits for users are to get the body used to a good posture when the user is sit on his workstation. The device is thought to prevent and to correct postural problems related to the way of studying/working and to create the ideal own workstation. The user gives starts it and it collects some statistics about position of some specific and critic points of the body during the session and when the end is established, the device releases a review and offers improvements for a better posture and hints about workstation changes.</p>	<p>Action: Ok</p> <ul style="list-style-type: none"> <li>• Add some ambient acting and/or sensing</li> <li>• Better specify the nature of werable device (eg. Bracelet, or Vest, or...)</li> </ul>



N	Group	Project	Evaluation
20	Fabiano Sarcinella, <a href="mailto:sarcy_91@hotmail.it">sarcy_91@hotmail.it</a> , fabianosarci, role in the project Stefano Rovera, <a href="mailto:stefano.rovera@tiscali.it">stefano.rovera@tiscali.it</a> , stefanovera, role in the project Davide Farina, <a href="mailto:farina.davide95@gmail.com">farina.davide95@gmail.com</a> , DavideFarina95, role in the project	Type of implementation: SW Objective: Management of usage and time spent on the device The application keep tracks of activities performed on the device and advises the user if unnecessary activities (i.e. gaming or surfing on social networks) have been unrolled for too much time.	Action: No <ul style="list-style-type: none"> <li>• Sw-only</li> </ul>
20		Type of implementation : HW + SW Objective: Monitoring the environment surrounding the user (with proximity sensors) the system advises the user if there is a risk of an impact on obstacles while walking. If a danger is detected the device alert the user with sound, vibration and notifications (for example red shades on corners of the screen)	Action: No <ul style="list-style-type: none"> <li>• Sensing unclear</li> <li>• Acting: none</li> <li>• Ambient: ???</li> <li>• Interacting: minimal</li> </ul>
20		Type of implementation: HW + SW Objective: Monitoring and correct the posture. Using wearable sensors the system is able to detect the position of the neck of the user and if an incorrect posture is been taken for too long it alert the user via sound, vibration and notifications on the mobile device. The user interface must keep track of the posture and show for how long an incorrect posture it's been taken during the day, but also to set when and how advise the user. This task can work also when the user is performing activities on non-electronic devices like reading or writing.	Action: Deeply Re-Think <ul style="list-style-type: none"> <li>• Should consider the ambient, in acting and sensing</li> <li>• Very vague</li> <li>• Differentiate from or integrate with StudyStation</li> </ul>