

MD.38.

Title SMART clothing system
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Description
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The elements of innovation proposed by the research team are necessary for any family in which a premature child was born. The product made in the form of specialized clothing with integrated electronic system, but mobile, can ensure monitoring of vital parameters and can be useful when a situation of respiration occurs, called apnea, a common situation for premature babies. In addition to monitoring data, the product performs the basic function, dressing the child and maintaining body temperature. At the same time, due to the fact that the clothing is simple to change, and the electronic system is not fixed on the child's body, but is integrated, the time to provide first aid to the child is reduced. The sensors are sensitive to the movements of the child's chest, simultaneously measuring the frequency of breathing, heartbeat and temperature. In view of the above, the continuation of such a project is argued to be appropriate for an impressive segment of premature babies born annually in the world.