

Nobel Prizes Roles in the Development of Smart Mobile Phone Technology

Fariba Dashtestani^{1*}, Jawad A. Salehi^{2&3*} and Ali Akbar Moosavi-Movahedi^{1,3}

In this report we highlight the crucial importance of advanced and cutting edge basics and fundamental research in today in rapid advancement of technology. Technology production in the context of consumer goods such as smart mobile phone has extraordinary impacts on the daily life of every human being. This report attempts to negate the belief that a country or a nation can become industrial or technological limb without prioritizing and capitalizing and advanced basic and fundamental research. In highlighting the above negating belief, we have studied the roles of various fundamental research results that have helped, successfully, to design and develop smart mobile phone technology. To make the report short and concise we have included only those classes of basic research results that Nobel Prize committee have selected as the ground-breaking results in basic science, that leaving out thousands of other effective fundamental research results that have played critical roles in the final successful product.

Keywords: Nobel Prizes, Smart mobile phone, Basic-sciences and fundamental, Technology and Research, Fundamental research investment.

* Corresponding authors: Email: jasalehi@sharif.edu, Email: fdashtestani@ut.ac.ir.

1. Institute of Biochemistry & Biophysics, University of Tehran, Tehran, Iran.
2. Department of Electrical Engineering, Sharif University of Technology, Tehran, Iran.
3. Member of Iranian Academy of Science.