



SCOPE OF POLYTRONICS FOR LESS POWER CONSUMPTION: A REVIEW

¹Nidhi, ²Mr. Amit Mahal

¹Research Scholar, Nidhisangwan177@gmail.com

²Assistant Professor and HOD, ad.indus@gmail.com

Department of ECE, Indus Institute of Engineering & Technology

Abstract: Microelectronics is a subfield of electronics. These contain transistors, capacitors, inductors resistors diodes & insulators & conductors could all be found in microelectronic devices & age of polymer electronic had begun. It is not primarily a replacement for existing electronic technologies, but opens up prospect of completely new applications that combine features of transistor, LED, detector and interconnect devices with freedom of design, flexibility and low cost of plastics.

Keywords: Polytronics, Electronics, Power, Manufacturability, Plastic batteries

ISSN : 2278-6848



© International Journal for
Research Publication and Seminar

[1] INTRODUCTION

Polytronics

With invention of transistors in early half of nineteenth century, field of electronics had undergone innumerable changes that have had tremendous impact on life of common man. Be it education, entertainment or healthcare, there is possibly no field where electronics had not made an impact. Entire concept of electronics is based on study of materials called semi-conductors.

Printing of circuits

Fabrication of microelectronic components would allow manufacture of complete gadgets through just printing process in near future. Such a technology is being developed by University of California. Technology would focus on building any electronic device from bottom up gradually, so, instead of building a device by adding new components through regular assemble

& build technique, entire product would come out of printer complete with electronic circuitry embedded in product itself.

Study of polytronics

Silicon had largely influenced Electronics industry & would continue to do so over a period of time. Though technologists be now look at other alternative mainly plastic circuit to meet our future needs. Here is a look into how plastics would influence world of electronics. Study of usage of polymeric materials in electronics is known as polytronics. This polytronics had some advantages over silicon technology.

**Note :For Complete paper/article
please contact us info@jrps.in**

**Please don't forget to mention reference
number , volume number, issue number, name
of the authors and title of the paper**