

**SMARTPHONES PROCESSORS**

*Seminar (EE7C03) report*

*submitted by*

**RAVI N**

**(4NI19EE082)**

*in partial fulfilment of the requirement*

*for the award of degree of Bachelor of Engineering in*

## Electrical and Electronics Engineering

*under the supervision of*

***Ms. ASHWINI G***

Assistant Professor

Dept. of Electrical and Electronics Engineering The National Institute of Engineering, Mysuru



**Department of electrical and electronics engineering**

**The National Institute of Engineering**

(An Autonomous Institute under VTU, Belagavi

Recognised by AICTE, New Delhi, Grant-in-Aid by Government of Karnataka, Accredited by NAAC, New Delhi)

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Mysuru – 570 008

Manandavadi Road, Mysuru- 570 008.

Phone: 0821-2480475, 2481220, 4004900 Fax: 0821-2485802, E-mail: [principal@nie.ac.in](mailto:principal@nie.ac.in) Website: [www.nie.ac.in](http://www.nie.ac.in/)

**CERTIFICATE**

*Certified that this Seminar report entitled* ***“SMARTPHONES PROCESSORS”*** *is a bonafide work carried out by* ***RAVI N (4NI19EE082)*** *under the guidance of* ***ASHWINI G,*** *in partial fulfilment for the award of the degree of Bachelor of Engineering in Electrical and Electronics Engineering at The National Institute of Engineering (Autonomous Institute under VTU) during the academic year 2022-2023*

**Ms. ASHWINI G**

Assistant Professor, Department of E &EE

The National Institute of Engineering Mysuru

**Dr. H PRADEEPA**

HoD,

Department of E &EE

The National Institute of Engineering Mysuru

**Dr. N V Raghavendra**

Principal

The National Institute of Engineering Mysuru

**Name of the examiners: signature with date**

**1.**

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**Name: Ravi N**

**USN: 4NI19EE082**

**ABSTRACT**

Cell phones have become a necessity for many people throughout the world. The ability to keep in touch with family, business associates, and access to email are only a few of the reasons for the increasing importance of cell phones. However, the mobile-phones in early times were bulky, restrictive to only some features and worked only in areas where there was a good connection. All these problems were resolved by integrating a processor within a cell-phone. The processor is the central hub of your smartphone. It receives and executes every command, performing billions of calculations per second. The effectiveness of the processor directly affects every application you run, whether it's the camera, the music player, or just a simple email program. In the following journal, we have discussed the distinctive features, merits, and demerits of the latest mobile phone processors of different Tech companies.

In this work, the smartphone processor market is growing at a great pace with an increase in the efficiency and optimization of the Processors is discussed and comparison of the single-chipsets, This information would be of great help to all those who are keen to know about the specifications of each processor in detail.

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**INTRODUCTION**

* 1. **Processors**