

# **1. TITLE OF THE PROJECT**

**STUDY ON CHALLENGES & TECHNOLOGY FOR  
NEXT GENERATION ELECTRONIC DEVICES AT  
SYNOPSYS**

## **2. STATEMENT OF THE PROBLEM**

As the technology is changing daily at the great pace it is important to design the effective GUI for the success of the device to be used with the latest electronic devices. The study will analyze the current GUI available & the Gap which is there in between the synopsys GUI & actual industry requirements. The study will also find how to improve the overall performance of a device by designing good GUI for next generation electronic device.

### **3. OBJECTIVES OF THE STUDY**

1. To study the issue and challenges for designing GUI for latest electronic devices.
2. To study the effective GUI design for the latest technology.

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## **4. RESEARCH METHODOLOGY**

<b>Methodology:</b>	Primary Data
<b>Method you will use to present data:</b>	Tabulation transforms the raw data collected through questionnaire in to useful information by organizing and compiling the bits of data contained in each questionnaire i.e., observation and responses are converted in to understandable and orderly statistics are used to organize and analyze the data: • Calculating the percentage of the responses. • Formula used = no. of responses / total responses* 100 REPORT WRITING AND PRESENTATION Report Encompasses – Charts, diagrams
<b>Method you will use to classify data:</b>	<b>PRIMARY DATA:</b> Most of the information will be gathered through primary sources'. The methods that will be used to collect primary data are: Questionnaire and online interviews <b>SECONDARY DATA:</b> The secondary data will be collected through:, internet and Magazines
<b>No. of respondent</b>	50
<b>Location of study:</b>	DELHI
<b>Explanation of the method:</b>	Research methodology in a way is a written game plan for conducting research. Research methodology has many dimensions. <b>RESEARCH DESIGN:-</b> The research design used in this study is both 'Descriptive' and 'exploratory'.

**SAMPLING TECHNIQUE:-**

The selection of respondents will be doing on the basis of convenience sampling (Non-Probability). Basically I will use random sampling method.

**STASTICAL TOOLS:**

MS-EXCEL will use to prepare pie- charts and graphs and MS-WORD will use to prepare or write the whole project report.

**LIKERT SCALES:**

A “Likert scale” is actually the sum of responses to several Likert items. These items are usually displayed with a visual aid, such as a series of radio buttons or a horizontal bar representing a simple scale.

**COMPANY PROFILE: SYNOPSIS**

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## **5. COMPANY PROFILE.**

Synopsys, Inc. (Nasdaq:SNPS) is the Silicon to Software™ partner for innovative companies developing the electronic products and software applications we rely on every day. As the world's 15th largest software company, Synopsys has a long history of being a global leader in electronic design automation (EDA) and semiconductor IP, and is also growing its leadership in software quality and security solutions. Whether you're a system-on-chip (SoC) designer creating advanced semiconductors, or a software developer writing applications that require the highest quality and security, Synopsys has the solutions needed to deliver innovative, high-quality, secure products.

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## **6. QUESTIONNAIRE**

**Q1. Designing the effective of GUI is the main success factor.**

- Highly Agree
- Agree
- Neutral
- Disagree
- Highly Disagree

**Q2. Interactions between user and computer occurs user interface including both hardware and software.**

- Highly Agree
- Agree
- Neutral
- Disagree
- Highly Disagree

**Q3. Interaction design means interacted products to support people with in every day in working life.**

- Highly Agree
- Agree
- Neutral
- Disagree
- Highly Disagree

**Q4. Today biggest challenge is designing interacted products for mobile device/ computer or any other device.**

- Highly Agree
- Agree
- Neutral
- Disagree
- Highly Disagree

**Q5. While designing GUI the challenge is smooth & fast interaction with the device.**

- Highly Agree
- Agree
- Neutral
- Disagree
- Highly Disagree

**Q6. While designing the next generation GUI it is necessary to map the gap between hardware operating system and input devices.**

- Highly Agree
- Agree
- Neutral
- Disagree
- Highly Disagree

**Q7. Hanging is the big issue which require to be properly resolve, while making software compatible with the hardware.**

- Highly Agree
- Agree
- Neutral
- Disagree
- Highly Disagree

**Q8. Light weight operating system is recommended while working thee next generation with the electronic devices.**

- Highly Agree
- Agree
- Neutral
- Disagree

- Highly Disagree

**Q9. The choice of operating system is the big factor for the design of effective GUI.**

- Highly Agree
- Agree
- Neutral
- Disagree
- Highly Disagree

**Q10. GUI Interacted device such as touch screens require to be the high quality.**

- Highly Agree
- Agree
- Neutral
- Disagree
- Highly Disagree

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## **7. REFERENCES**

1. Gralla, Preston (2007). *How the challenges & technology Works*. Que Pub, Indianapolis. ISBN 0-7897-2132-5.
2. Rhee, M. Y. (2003). *Challenges and technology: Cryptographic Principles, Algorithms and Protocols*. Chichester: Wiley. ISBN 0-470-85285-2.
3. <http://itcd.hq.nasa.gov/networking-vpn.html> Virtual Private Network
4. <http://www.pvv.org/~asgaut/crypto/thesis/node6.html> Network Virtual Terminal
5. <http://www.wisegeek.com/what-is-a-message-authentication-code.htm>
6. Rebbapragada, Narasu. All-in-one Security. Retrieved 19 November 2010.
7. Larkin, Eric. Build Your Own Free Security Suite. Retrieved 19 November 2010.
8. Messmer, Ellen and Network World. "Google Chrome Tops 'Dirty Dozen' Vulnerable Apps List". Retrieved 19 November 2010.
9. Keizer, Greg. Firefox 3.5 Vulnerability Confirmed. Retrieved 19 November 2010.
10. Skinner, Carrie-Ann. Opera Plugs "Severe" Browser Hole. Retrieved 19 November 2010.
11. <http://www.synopsys.com>

## **8. CHAPTERISATION**

1. Introduction
2. Review of Literature
3. Objective and scope of study
4. Research Methodology
5. Data analysis and interpretation
6. Findings & Recommendation
7. Conclusion & Limitations
8. Bibliography
9. Appendix (Questionnaire prepared for conducting study will be attached and other papers which have not been mentioned above will be included, if required)

## **9. PROFILE OF PROJECT GUIDE**

Name :

Age :

Educational Qualification :

Professional Experience :

Organization :

Current Designation :

Brief Profile :

Address :

House No. :

Street :

City :

State :

Country :

Mobile Number (10 digits) :

Email :