

# ami sampat



## employment

**SAP Labs, India**

March 2016 – Till Date

Role : User Experience Design Specialist

**Robert Bosch (RBEI)**

August 2013 – Feb 2016

Role : Product Design Engineer



## education

**2013 : M Des Product Design and Engineering**

at Indian Institute of Science, Bengaluru

**2011 : B Tech Mechanical Engineering**

at VIT University, Vellore



## skills

- User Research
- Patent Analysis
- Benchmarking
- Product Requirements
- System Design
- Conceptual Designs
- Solid Modeling
- VAVE, D-FMEA
- Prototyping
- Testing
- User Empathy
- Trend Analysis
- Heuristic Evaluation
- Persona Creation
- Information Architecture
- Wire-framing
- Low & High Fidelity Mock-Ups
- Critical Analytics
- UI Design\*
- Usability Testing



## tools

SolidWorks	●	●	●	●	●
Unigraphics	●	●	●	●	●
Ansys	●	●	●	●	●
HyperWorks	●	●	●	●	●
Balsamiq	●	●	●	●	●
Keyshot	●	●	●	●	●
Axure	●	●	●	●	●
Adobe Illustrator	●	●	●	●	●
Minitab – Statistics	●	●	●	●	●
Cost Analysis & FMEA Tools at Bosch					
Languages : English, Hindi, Gujarati, German					



## achievements

- 2 patents in field of home and kitchen appliances
- Top Performer for the year 2014 at my department
- Women Achiever of the year (2015) at Bosch, India



## “ about me

With post graduation from one of the most esteemed institute of the country, and a great start of my career in a multinational company, I'm looking for exciting opportunities in the field of user experience research and design, smart appliances and systems. Keen observer and a designer at heart, my interests lie in user research, human factors engineering, cognitive ergonomics and iconography.



Portfolio:

[amisampatiisc.wix.com/amisampat](https://amisampatiisc.wix.com/amisampat)



+91-9611202939



[amisampat.iisc@gmail.com](mailto:amisampat.iisc@gmail.com)



223, Teacher's Colony,  
Koramangala, Bangalore

# work experience

## user research projects

1. **Alternative Technology Based Refrigerator** - Survey Questionnaire - User Interviews - Persona Creation - Product Requirements - Technical Specifications - Market and Competition Understanding
2. **Smart Cooking** - User Demographics - Cuisine, Portion Variations and Controls - User Product Interaction - Product Requirements
3. **Smart Appliances and Connected Homes** - Inputs for user behaviour in a smart environment - Use Cases - User Requirements - Product Functions
4. **App for healthcare sector** - Contextual Inquiry - Survey Questionnaire - Persona Creation - Wire-frames - Paper Mock Ups
5. **App for security sector** - Persona Creation - Wire-frames - Paper Mock Ups
6. **Usage Study Projects** : Home & Kitchen Appliances : Catalogue Benchmarking - Packaging Study - Product and Assembly Study - Performance Testing - Contextual Inquiries - User Handling - Product Teardown - BOM Generation - Cost Analysis - Design Optimization - Patent Filed

## product design projects

1. **Automated Cooking Appliance** - Target Market and User Segment Evaluation - Variables & Parameters of Roasting - Product Configuration - Concept Generation - Morphological Maps - Concept Evaluation and Selection Matrices - System Level Design - Invention Reports
2. **Existing Kitchen Appliance** - Understanding the Brand Design Language - Adaption of products to suit local markets - Industrial and Product Design Adaption - Indian and IEC Standards
3. **New Kitchen Appliance** - Market Research - Localization Strategies - Design Innovation - Patent Filed

## internship projects

1. Industrial Design of Single and Multi Outlet Resuscitator for **DRDO, Bangalore**
2. Helmet Sizing as per Indian Male Head Anthropometric Data for **ARAI, Pune**
3. Statistical Analysis for helicopter snags for **HAL, Bangalore**

## student projects – research, design & prototyping

1. Classroom Chair for Design Students – A creative engineering design project
2. Knotting Machine for Bandhej Handicraft Work – A simple device to hasten the process of “tie & dye”
3. Liquid Measuring Device for Blind – A spoon based design
4. Soil Moisture Sensor – A purely non electrical/electronic design (mechanical and & chemical process)
5. Vibration Analysis of Aluminium Space Frame Based Vehicle – A design of automotive systems project
6. Gross & Fine Motion of Human Phalanges – A Human-Factors & Ergonomic Designs Research Project
7. Wheel Chair Design for Muscular Dystrophy Patients – Undergraduate Thesis
8. Assistance to SIZE India project of ARAI to collect anthropometric data using 3D Scanning Machine