www.vsengar.com
contact@vsengar.com
+91 99101 21299

Vishal Singh Sengar Industrial Product Designer

Interest Areas Medical Products Design, Open Source Electronics, Consumer Electronics, Design for Extreme afford-ability, User Experience Design.

Experience

Work Senior Design Fellow,
Design Innovation Center, University of Delhi, New Delhi
August 2015 - Present

Product Designer,
Imfundo Technologies Private Limited
January 2016 - September 2017

Design Consultancy OTDC Version 1.0
Harman Connected Services Corporation India Private Limited
Designed and prototyped infrared grid eye and raspberry pi based occupancy sensor for beta testing.

Furniture and Lighting Product Range
VISVA private limited
Designed a new range of furnitures and lighting fixtures for client's exclusive clients.

www.PFrepo.me, UX/UI
Tnine Solution Private Limited
Designed user experience and user interface for an Online CV generation and personal document repository web service.

DALI, UX/UI
UNESCO | MGIEP, National Brain Research Center
Designed user experience and user interface for school teachers and psychologist to conduct Online dyslexia screening for school students.

Cognitive Ability Kit for kids
Gifted Children project, Cluster Innovation Center
Designed kits those are to be used to assess child's cognitive ability for children.

UDGAAR
International Society for Krishna Consciousness, East of Kailash, Delhi
Designed branding and event template replication kits for conducting same event in any other location.

Auto Interviewer App, UX/UI
Designed user experience and user interface to conduct automated audio interview over the android app.

DALI,

UX/UI design for UNESCO | MGIEP and National Brain Research Center

DALI is a package developed by National Brain Research Center (NBRC) that contains screening tools for school teachers and assessment tools for psychologists in Indian Languages to identify dyslexia. Actual purpose of this tool would depend on outreach of these tools to parents of children and school teachers as well as training of teachers and parents in diagnosis and subsequent management. For rapid replication and uniformity in the test administration, a digital platform was required for test administration and assessment. I designed user experience and user interface for this application.

My home office

Ongoing project at Design Innovation Center, University of Delhi

A customisable modular furniture solution for professionals needing small office space at their residence. The product is flat pack easy to assemble and customisable with multiple office accessories.

Ma

Masters thesis project at School of Planning and Architecture, New Delhi

Ma is a neonatal incubator designed for rural Indian hospitals. This project initiated with a study of several primary and district health centers of rural India. Many doctors and nurses were interviewed and asked for their inputs. The key feature of this incubator is that all the electronics and active hardware elements are housed in a single main Unit which is easy to replace or repair.

Boxy & Black Box

Products for Imfundo Technology Private Limited

Imfundo is a startup which is working to teach and encourage school children to learn programming, electronics and gadgetry. Boxy is a robot which is designed for the kids to learn programming and work with open source electronics. Black Box is a complete kit which contains all the required components and boxy, which is a modular programmable robot.

Food Passport for Old Delhi, Varanasi & Lucknow

Ongoing project in partnership with Design Innovation Center, University of Delhi & DIC Banaras Hindu University

Food Passport is a platform to recommend heritage of food and history of the food which they are serving to people form generations. You can have a printed Passport of collection of 30 visas containing details regarding the food joints. User can navigate to the place by scanning the QR Code of the visa and after enjoying the food they can have their visa stamped and photo of these achievements can be shared with family and friends.

Linerack

Product range exploration for VISVA Private Limited

Linerack project is a design exploration for a modular lighting fixture which can be used to create home furnishing products like display racks, storage racks, tables, lighting fixtures etc.

Gloop

Project in partnership with Design Innovation Center and Tamana Foundation

Gloop is a kid friendly furniture designed for the kids unable to support their body postures or hyperactive. The chair and table help instructors to conduct early intervention therapy and the furniture is also designed to be aesthetically coherence with in-home environment.

DaDa

Project in partnership with Design Innovation Center and Tamana Foundation

Project is started to explorer how to encourage nonverbal children to start conversation or understand that they need to converse their needs like asking permission for washroom or entering in the class. Our initial prototypes will be installed in School of Hope run by Tamana Foundation which is a special school for autistic children.

System D,

Nominated entry at What Design Can Do 2017 Challenge

System D was designed for the WDCD 2017 climate change challenge. The entry got nominated for the award, System D designed to facilitate building of small public buildings those can be converted into safety and rescue centers in the time of disaster like floods, hurricanes, sand storms, heavy snow fall, earthquakes etc.

Teaching

Guest Faculty,

Art and Design, VI sem, B Tech (IT and Mathematical Innovation)
Cluster Innovation Center, University of Delhi, North Campus
January - May 2016, January - May 2017 and January - May 2018

Workshops

Hygeia 1.0,

Rethinking cleanliness, Workshop for college students.
More than 40 students attended this workshop to learn and give solution for cleanliness using Design Thinking
09 April 2016

Hygeia 2.0,

Rethinking cleanliness, Workshop for school students.
Attended by 30 school students, this workshop was organized to learn and give solution for cleanliness using Design Thinking
08 September 2016

Design Workshop,

An introduction to Design
A four Day workshop organized from 24 - 27 October 2017, Attended by 29 students from different colleges of Delhi.

Product Design and Packaging Workshop,

A seven day workshop was organized by Design Innovation Center, IIT BHU for more than 40 students, the aim of workshop was to teach design thinking and packaging details for students from the field of applied visual arts.
18-24 December 2017

Academics

Masters of Industrial Product Design,   77%

School of Planning and Architecture, New Delhi
2013-2015

Bachelor of Technology (Mechanical and Automation),   74%

Amity School of Engineering and Technology, New Delhi
2008-2012

Skills

Softwares   SolidWorks, Autodesk Inventor, Adobe Illustrator, Adobe InDesign, Adobe Photoshop, Adobe Premier, Keyshot.

Languages   HTML, CSS, Javascript, Processing.

Others   Wood Working, Metal Fabrication, Spray Painting and Finishing, Plastic Thermoforming, Fibreglass Molding.