



Anjali Venugopal

Roll Number : 204205029

M.Des - Master in Design

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Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M.Des	Indian Institute of Technology, Guwahati	9.23 (Current)	2020 - Present
B.Engineering	The National Institute of Engineering, Mysore	9.13	2019
PUC	Karnataka State Board	96.33%	2015
Secondary	CBSE board	10.0	2013

Experience

- Graduate Apprentice at 'Robert Bosch India Limited'** *Sept 2019 - Sept 2020*
The Graduate Trainee Programme involved on-the-job training across 3 departments for a year
 - Mobility Solutions** : User research and data collection for a Smart Mobility App. Supported the Sales and the G2M team with various tasks.
 - Micro Mobility Solutions**: User Research and analysis for a new Micro-Mobility Product.
 - Exhaust Systems**: Exhaust NOx Reduction System Calibration and Testing for BS-VI vehicle. Carried out Tank and Dosing Calibration and Road Trials.
- Project Intern at 'Toyota Kirloskar'** *Feb 2019 - March 2019*
Developed a concept for double handling reduction in logistics. The system automated the return of empty bins from the jig to the rack after use.
- Intern at 'Red Cape Innovations'** *May 2019*
Short-term internship at a start-up where I worked with a team of 3 for the development and fabrication of a sports utility product, a mechanical line marking tool and a straw end cutting machine for a small scale cottage industry. Participated in the product conceptualization, design, prototyping and testing phase.
- Project Intern at 'Kennametal'** *June 2018- July 2018*
Studied the working of peripheral grinding machines, collected data on various cycle times based on tool geometry and sizes and conducted a performance analysis to propose various alternatives to existing grinding wheels based on the research conducted.

Projects

- Design Intervention for Environmental Sustainability in Food Delivery Services** *Ongoing*
Project Mentor: Prof. Sharmistha Banerjee
Research project to understand the food delivery ecosystem and its impact at various levels to design solutions that can bring about a sustainable change in the industry reducing its carbon footprint.
- Caapi-A Portable Filter Coffee Machine** *June 2021-July 2021*
(Self Initiated Project)
Caapi is a truly portable filter coffee maker for the young Indian population. The required ingredients and process is molded into one single bottle sized device that can brew traditional Indian style coffee on the go.
- FoodBox- An app based system for packaging reuse in Food Delivery** *May 2021-June 2021*
(Self Initiated Project)
FoodBox is an app based system for users to avail a re-usable box service while ordering food. The app, on opting in, delivers food to the user from the restaurants in re-usable boxes which are the collected back, cleaned and put back into the system. FoodBox is designed as a 3rd party app linked to existing food delivery apps for all stakeholders to easily adapt to the system.

- **Camera Intergrated Defect Detection System**

Feb-May 2019

Project Mentor: Prof. Sunil Gaekwad

The project involved designing the test set-up for defect detection in a production line by integrating an industrial grade CognexV2000 camera into the system and designing test pieces to calibrate the set-up and calcute the set-up accuracy.

Technical skills

- **CAD Modelling** : Rhino, SolidWorks, CATIA
- **Design Softwares** : Adobe Illustrator, Keyshot, Blender, Sketchbook Pro, Figma, Miro
- **Programming Softwares**: C++, Python*
- **Miscellaneous** : Arduino, Ansys, CNC VMC & Lathe, Hydraulic & Pneumatic Systems
- **Operating system** : Windows, Linux, Mac

** Elementary proficiency*

Key courses taken

- Design Methods
- Ergonomics
- Material Science (UG)
- Manufacturing Technology (UG)
- Creativity Innovation and Design Management *
- Product Detailing
- Engineering Graphics (UG)
- Advanced Manufacturing and product Prototyping *
- Service Design*

** To be completed in Nov 2021*

Positions of Responsibility

- **Public Relations & Media Head, Ishanya 2021** (The Annual Festival of Design, DoD, IIT Guwahati): Managed the Media Team and lead the outreach campaigns for the event.
- **Automation Trainer** at the student-run automation center at The National Institute of Engineering, Mysore (2018): Trained over 150 students in hydraulic and Pnuematic systems, CNC Machining Operation and CMM Operations.

Achievements

- **Second Position in Mechathon 2021** : Secured second position among the 14 participating teams in the International Mechathon 2021, hosted by SCE, Israel.
- **Won the best design award in the Mahindra Baja 2018 Event** : Secured first position in the engineering design category in the off-roader design event, Mahindra Baja 2018 at IIT Ropar.
- **Ranked 4th in the state level NATA exam** : Cleared the Karnataka - National Aptitude Test for Architecture (2015), with a state rank of 4.
- **Won the Nitte-Hutchie Challenge under the Global School Partnership 2011**: Obtained the First position on the project titles "Education Beats Poverty" and participated in the student exchange program at Hutchesons Grammar School, Glasgow in January 2012.

Extracurriculars

- **Basics of Product Design: Ideation & Conceptualisation** A four week product design Classroom with weekly workshops by Industry professionals on Packaging Design, Medical Product, Accessory Design & Lifestyle Product. (August 2021)
- **Participated in the two day Virtual Trip Challenge** hosted by the College Design Club, White Space design: Received a mention in the entries under the Product Design category (Nov 2020)
- **Teaching Assistant under Prof.Sharmistha Banerjee, DoD, IITG**: Assisted with compiling teaching materials, media outreach for SSI Lab, designed templates for the Alumni newsletter.
- **Participated in Inter-school and Inter Collegiate Badminton and Table Tennis Tournaments**: Runner-Up at the Table Tennis Inter Collegiate Zonal Tounament 2016. Runner up at the Inter School Badminton Tournament 2011.

- **School Prefect** during the year 2012-2013.
- **A1 level certification in German Language** : Completed A1 with a score of 81/100 from Goethe.
- **Teaching Volunteer at DivyaDeepa - Kaliyuva Mane, NGO for kids, Mysore**(2016-2017): Taught Math and English to underprivileged children and organised events.
- **Student Volunteer** at the Automotive Tech Fest 2015, NIE Mysore for organizing the event.
- **Member of the Off-roader Building Club, Team SAENIEks**, at NIE Mysore, took part in the Mahindra Baja Events. (2017-2019)
- Underwent a 3 month Automation Technology Course in CNC, Pneumatics & Hydraulic Systems and Robotics, post which served as Student Trainer at the Automation Center for a year.
- Underwent a 5-day Basic Course in Automobile Technology (B-CAT) (2017).
- **Hobbies**: Reading Novels, Playing Badminton & Table Tennis, Dancing (Trained Classical Dancer), Hiking.