

# Abhijeet

DESIGN PROGRAMME INDIAN INSTITUTE OF TECHNOLOGY KANPUR

## Education

Master of Design, *July 2016 (anticipated)* 7.75/10 (current CPI)  
Bachelor of Technology (Mech), *July 2013 (UPTU)* 61.92%

## Work Experience

- *May-July 2015*, Design Internship under supervision of Prof. Ian Gibson at Centre for Advanced Design and Engineering Training (CADET), Deakin University, Australia.
- *Sept 2013-June 2014*, Research Associate under guidance of Prof. NN Kishore at Non Destructive Evaluation Laboratory (NDE Lab), IIT Kanpur.

## Major Design Projects

- VALVE IN SITU – *May- June 2015*, ‘Zero assembly design of squeeze bottle cap for low viscosity fluids’ [International Project]
- WEARABLE NASAL STENT *June-July 2015*, Alternate solution to surgical intervention for chronic nasal cavity contraction.[International Project]
- COST EFFECTIVE PROSTHETIC HAND DESIGN *March 2015* [Academic Team Project]
- ADAPTABLE BABY CARRIER DESIGN *Oct 2014*, [Academic Team Project]
- FLEXIBLE MODULAR ANKLE FOOT ORTHOTIC *Sept 2014* [Academic Team Project]
- REMOTE CONTROLLED DELTA WING AIRCRAFT *March 2012*, [B.Tech Project, Best Project Award]

## Publications & Conferences

- *June 30<sup>th</sup>-July 1<sup>st</sup> 2015*, International Design & Technology Conference at Geelong Australia, as Organizing team member
- *Dec 2015 (anticipated)*, Co-authoring ‘Handbook of Sustainability in Design’, International collaboration
- *Aug 9<sup>th</sup>-10<sup>th</sup> 2014*, Student Research Convention at IIT Kanpur, ‘Transparent LCD Monitor’
- *9<sup>th</sup> Mar 2013*, National Seminar on Ancient Indian Science at IIT Kanpur, ‘Techniques of Making Bricked Walled Water Wells ’

## Hobbyist & Extracurricular Works

- Volunteer work at Product Design Studio, IITK
- Cost-effective 3D printer using e-waste
- Cost-effective 3D printing pen using e-waste
- Development of *stereo lithographic data* of ‘Conch Shell’ using 3D scanning

## Contact

Email: [abjt@iitk.ac.in](mailto:abjt@iitk.ac.in), [abhijeetmel@gmail.com](mailto:abhijeetmel@gmail.com)

Web: <http://home.iitk.ac.in/~abjt/>