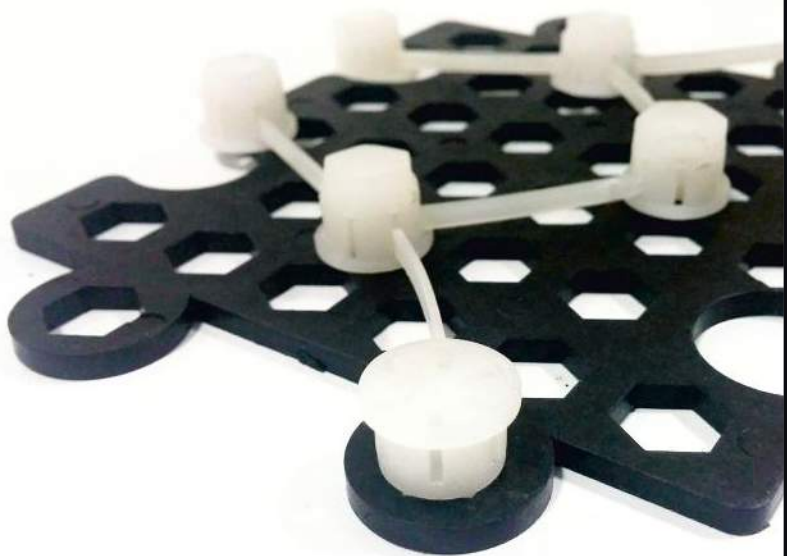


Flexible beams Rigid Connectors

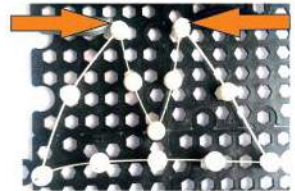
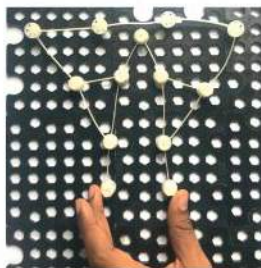
Designs Aplenty

Introducing the **Design Innovation Kit** by **BendFlex™**

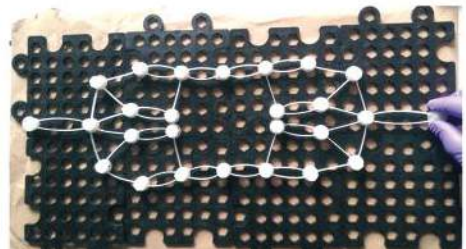
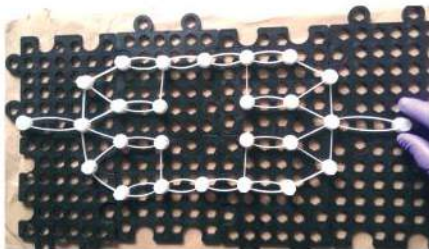


Explore the fascinating world of mechanism designs!

The BendFlex Design Innovation Kit is a patent-pending invention, designed to help students and hobbyists explore the world of mechanisms. If you love exploring new designs and coming up with new ideas, and like inventing new compliant mechanisms, or want to start inventing something interesting, then this design kit is for you.

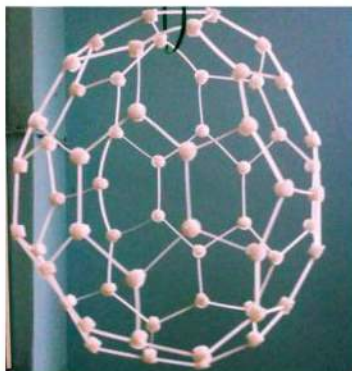


This toolkit was designed and developed by researchers from the Indian Institute of Science, Bengaluru. A must-have companion for engineering students, this invention kit has helped inventors and a number of engineering students to come up with new designs, that has fetched them a number of awards!



Features

- Construct and validate an equivalent model of a compliant mechanism
- Consists of flexible beams and connectors that can be easily hand assembled
- Quick and easy Validation
- Hassle-free assembly and testing
- One-step before actual prototyping
- Can be used even beyond its intended use such as artistic structures



Contents

- Rigid connectors
- Long Flexure/Beams
- Short Flexure/Beams
- Base-plate to provide fixed boundary conditions



Resources

1. <http://cmkit.bendflex.in>

2. Limaye, P., Ramu, G., Pamulapati, S., & Ananthasuresh, G. K. (2012). A compliant mechanism kit with flexible beams and connectors along with analysis and optimal synthesis procedures. *Mechanism and Machine Theory*, 49, 21-39.

About BendFlex™

Founded by a team of young innovators from IISc, BendFlex is into R&D and our expertise is compliant mechanism design. Our R&D span domains including mechanical characterization and testing of devices, medical devices, force sensors and micro-scale mechanisms.

BendFlex™

Be Compliant! Go Compliant!

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