

# Mr. Uddhab Bharali

Indian inventor



**Born 7 April 1962**

Uddhab Bharali is an Indian inventor known for more than 160 innovations, particularly in the fields of agriculture and assistive devices. Bharali's inventions aim to make life easier for people, especially those with disabilities, and farmers.

## Early Life and Education

Bharali grew up in a business family in Assam and attended Government Higher Secondary School in North Lakhimpur. He pursued Mechanical Engineering at Jorhat Engineering College but had to leave his studies in 1988 due to financial difficulties.

## Career and Innovations

- **Entrepreneurship:** Despite financial challenges, Bharali started a polythene cover-making business for tea estates in Assam. Instead of buying expensive machinery, he designed his own machine at a much lower cost, which sparked his passion for creating solutions through innovation.

**Inventions:** Bharali is best known for his agricultural automations.

- **Pomegranate Deseeder:** A machine to extract seeds from pomegranates, which earned him recognition in NASA's Exceptional Technology Achievement Medal competition in 2012.
- **Low-cost Peeler Machines:** Machines for peeling betel nut, cassava, garlic, jatropha, coconut, and Safed musli, all of which can be operated by a single person.
- **Bamboo Processing Machine:** A low-cost machine to process bamboo, a significant material in Assam.
- **Redesigned Assamese Paddy Grinder:** Improved traditional farming tools to enhance productivity.

## Honors and Awards

Here are a few Awards received by Mr. Uddhab.

- Padma Shri (2019), one of India's highest civilian awards.
- SRISTI Samman (2006), for grassroots innovation.
- National Grassroots Innovation Award (2009) from the National Innovation Foundation.
- Winner of NASA's Tech Briefs "Create the Future Design Contest" in 2012 and 2013 for inventions like a pomegranate deseeder and a detention chair for people with mental challenges.
- Honorary Doctorate from Assam Agricultural University (2014) and Kaziranga University (date unspecified).