



INDIAN INSTITUTE OF TECHNOLOGY
Delhi

Innovative
Research



Multibody Dynamics for Rural Application (MuDRA): A New Research --- Connecting Engineering Minds with Society ----

Tools and Devices for Carpet Industries

"It makes me feel proud of working for Rural India, while applying my academic knowledge at the same time. It has really helped me a lot in getting a job in one of the world finest Technology Company GE,..."
An M. Tech Student



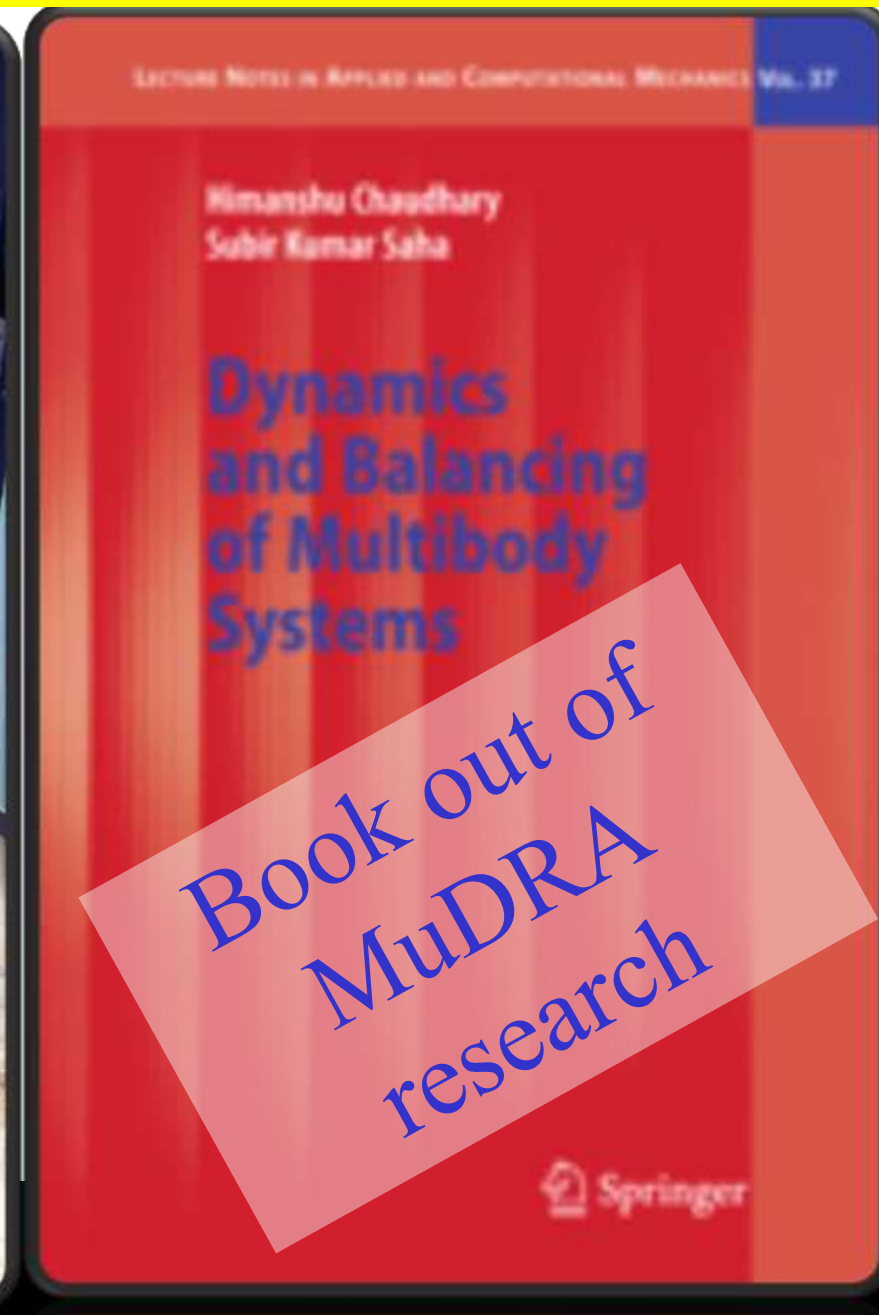
Hand
tools



Semi-automatic
carpet washing machine



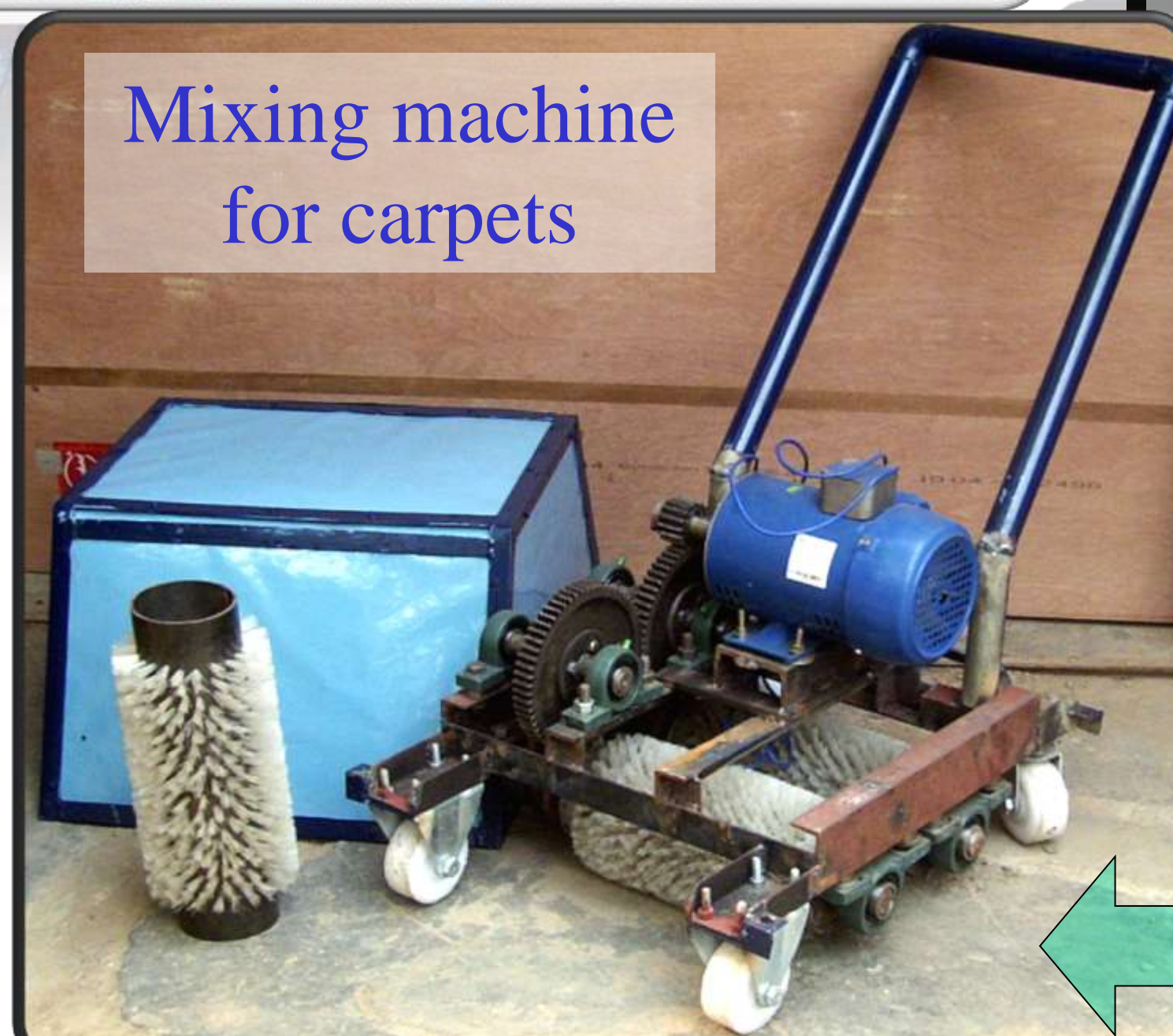
Carpet scrapping
machine and its
ADAMS
simulation



Book out of
MuDRA
research



Shearing of Sheep Hair



Mixing machine
for carpets

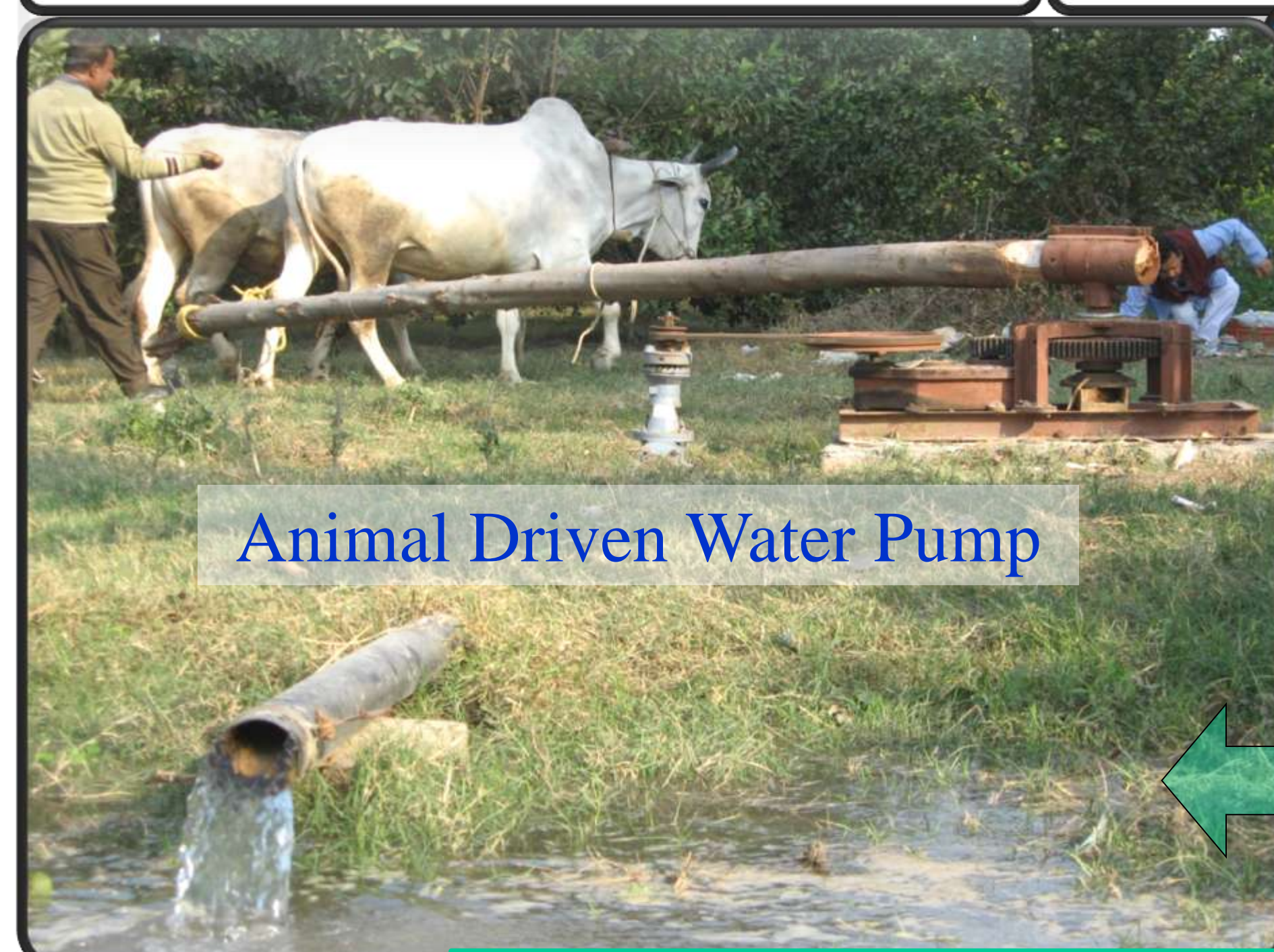


Sheep shearing
device

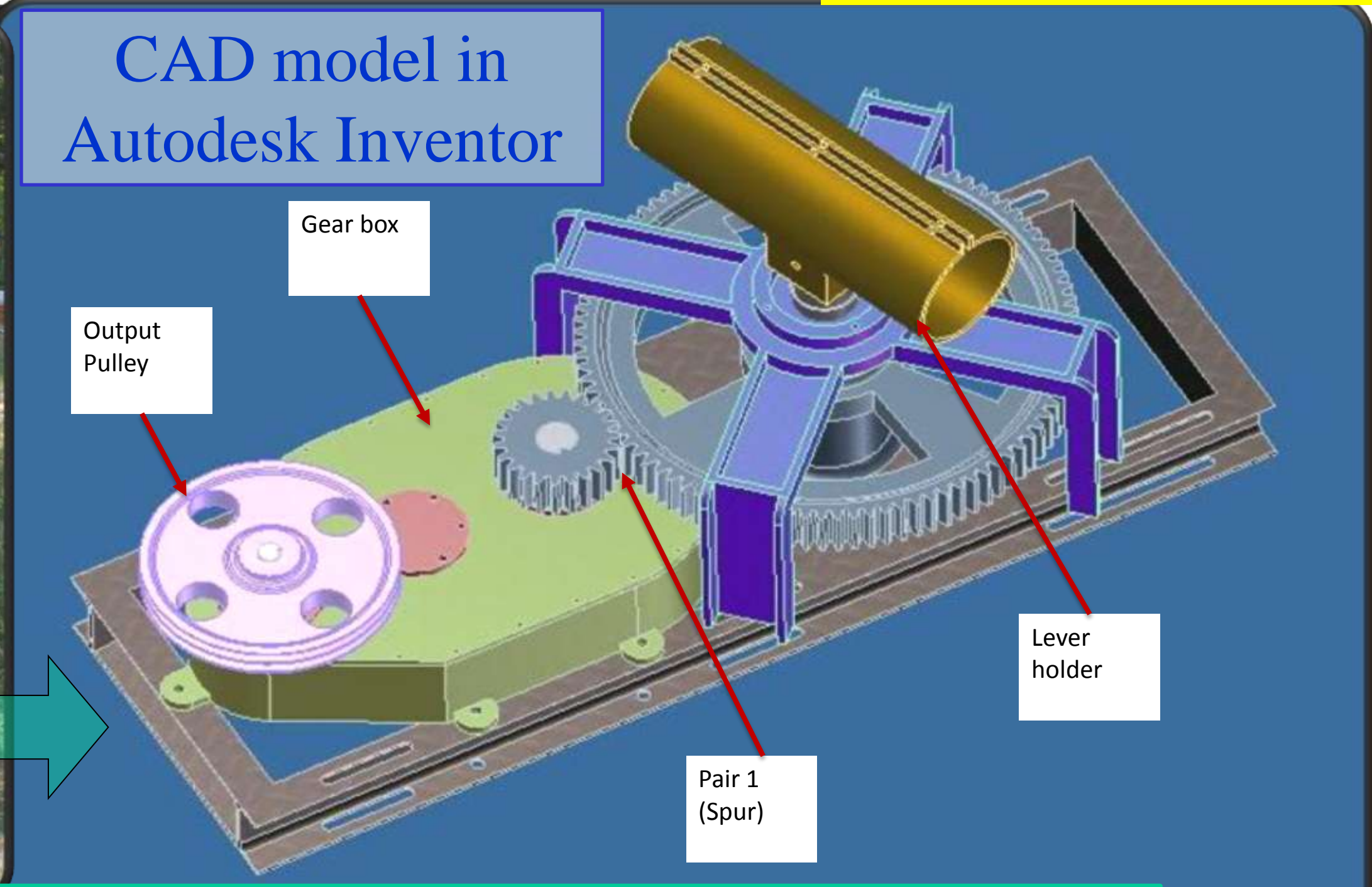


Recurdyn
simulation

Blending modern tools to solve
rural problems provides an
opportunity of a NEW research.



Animal Driven Water Pump



CAD model in
Autodesk Inventor

Gear box

Output
Pulley

Lever
holder

Pair 1
(Spur)

Newer, Challenging,
Satisfying Problems

Team Members: **MuDRA Lecture delivered 24 times since 2007 (as on Aug. 28, 2011)**

1) Prof. S.K. Saha, and colleagues; 2) M. Tech Students; 3) Mr. Rajkumar Gupta; 4) Mr. Mangal Sharma, & Project Staffs

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