

INTERNSHIP AT URAVU TRUST.
WAYANAD, KERALA.

MOBILITY & VEHICLE DESIGN PROJECT I
MVD I-30

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INDUSTRIAL DESIGN CENTRE
INDIAN INSTITUTE OF TECHNOLOGY
BOMBAY 2016

Declaration

I declare that this written submission represents my idea in my own words, and where others' ideas or words have been included, I have adequately cited and referenced the original source. I also declare that I adhered to all principles academic honesty and integrity and have not falsified, misinterpreted or fabricated any idea/ data/ facts/ sources in my submission. I understand that any violation of the above will be cause for disciplinary action by the institute and can also invoke penal action from the sources from which proper permission has not been taken, or improperly cited.

Signature:

Name:

Roll no:

Date:

Acknowledgement

I sincerely thank my Coarse Coordinator Prof.Nishant Sharma for allowing me do my internships at Uravu. I thank my guide during the internship Mr.Baburaj for showing me the way through Bamboo and allowing me to work on their projects as well as mine.

I thank the people of Thrikkaipetta for their ever lasting support and acceptance of new crowd into their village.

I thank the Childrens club, a small group run children in the village for their involvement with my work during the coarse of the internships.

I thank Sreeja aunty, Mohanettan and Sudhakarettan for the amazin food they made.

Last ut not the least I thank my friends wo were with me for the internships, my family and my classmates.



INTERNSHIP
at

URAVU TRUST.

WAYANAD, KERALA
8/05/15 – 21/06/15

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The logo for URUVU TRUST is a light green circle with the text "URUVU" in a large, bold, white sans-serif font, and "TRUST" in a smaller, bold, white sans-serif font directly below it. The background of the slide is a low-angle photograph of bamboo stalks reaching upwards, with sunlight filtering through the leaves, creating a dappled light effect.

URUVU TRUST

URUVU, a non profit trust found in 1996.

Started to Promote Bamboo and thereby providing employment to the **marginalized social groups** to through craft.

provide skill training in bamboo processing, establish micro enterprises, marketing of bamboo handicraft, cultivation of bamboo and promotion of eco-tourism.

Scenario

Open interaction with the
craftsmen

Independent Units:
Jute Bags, Curtain,
Pens, Mural
Painting



Traditional tools are used

Small Machine Room

Limited machineries.





THRIKKAIPETTA

THRIKKAIPETTA , is also called the Bamboo Village

Situated near Kalpetta in Wayanad District, Kerala

Amidst beautiful lush green mountains

People always offer
a helping hand

Playful & Happy Children

Nurturing Young
Artists



The CHILDRENS CLUB

Pro. A.G.Rao during the
Workshop on CRAFT,
LANGUAGE & MATHS
for children at
Thrikkaipetta





PRODUCTS



BAMBOO PENS



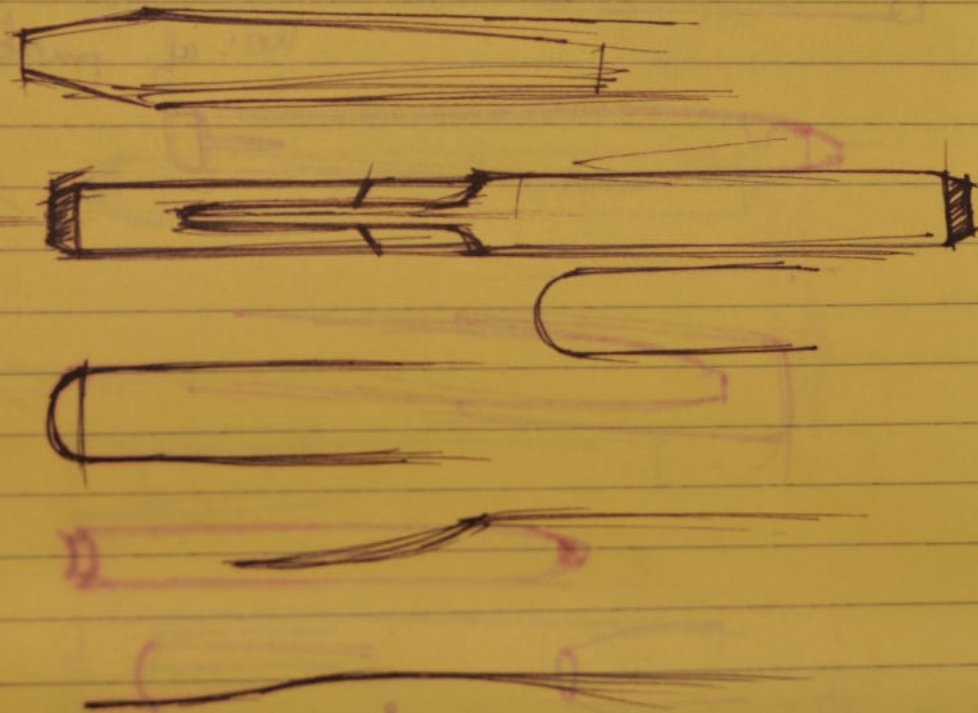
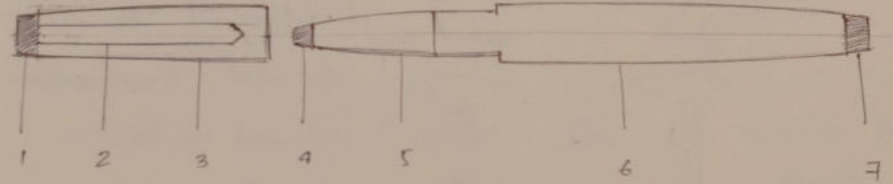
Objective

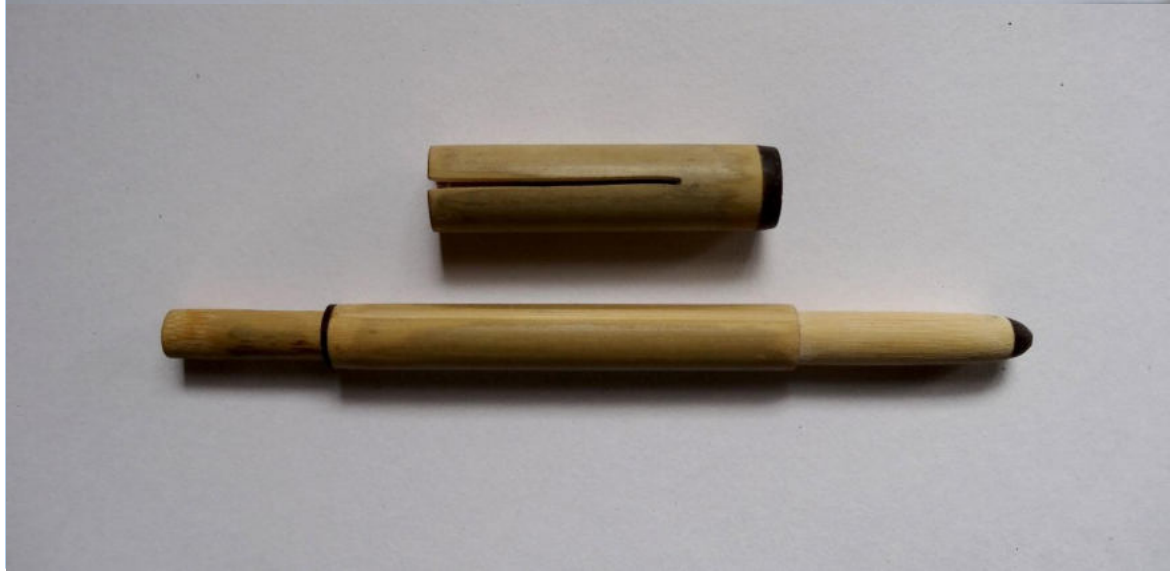
To reduce total no: of parts
of existing pen & using
simple geometries

Operations req: Cutting,
Drilling, Sanding

Cap design

The normal pen at Ukraine





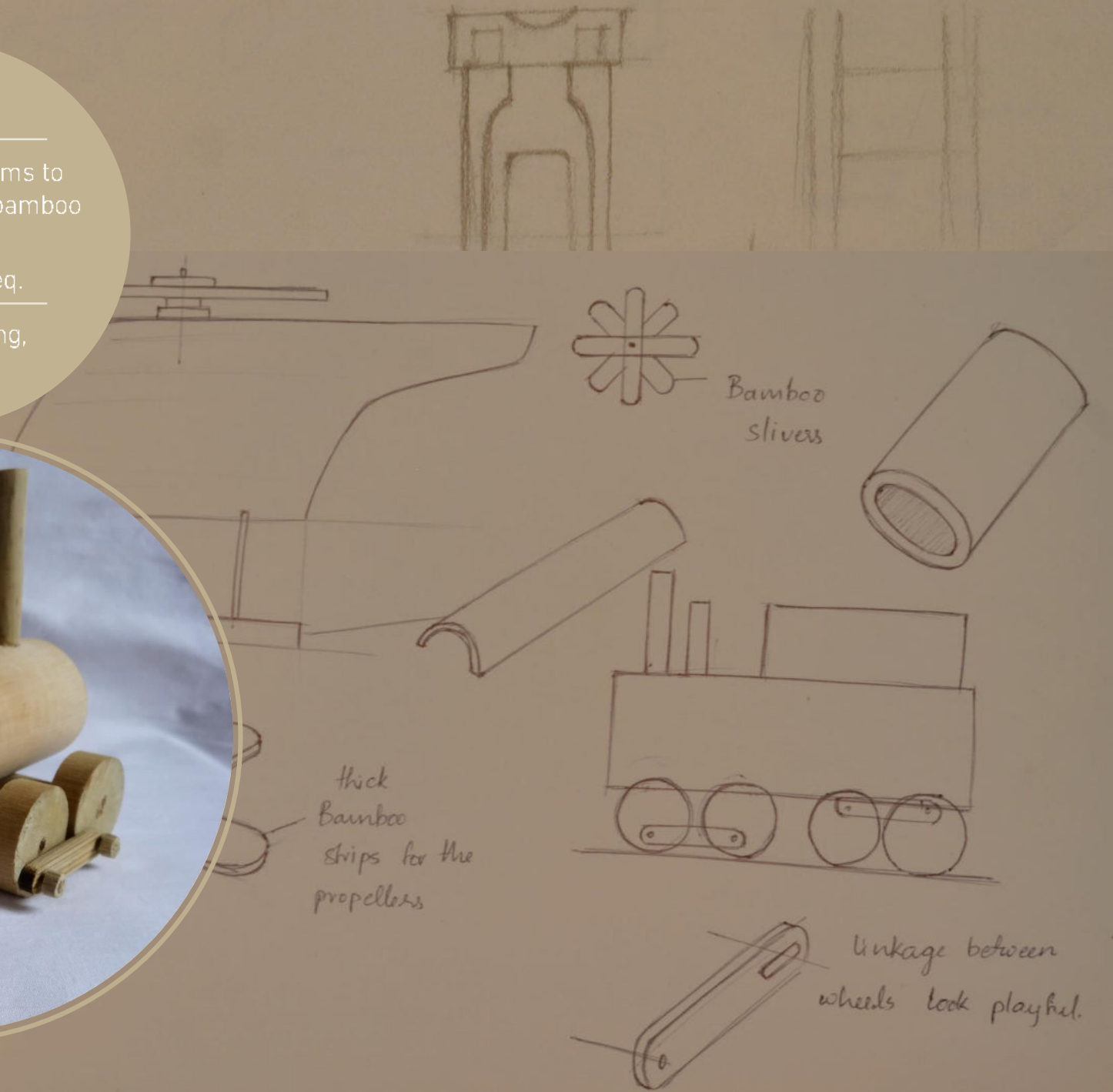


Objective

Using simple forms to
make toys out of bamboo

Operations req.

Cutting, Drilling,
Sanding,





BOOK SHELF



BICYCLE

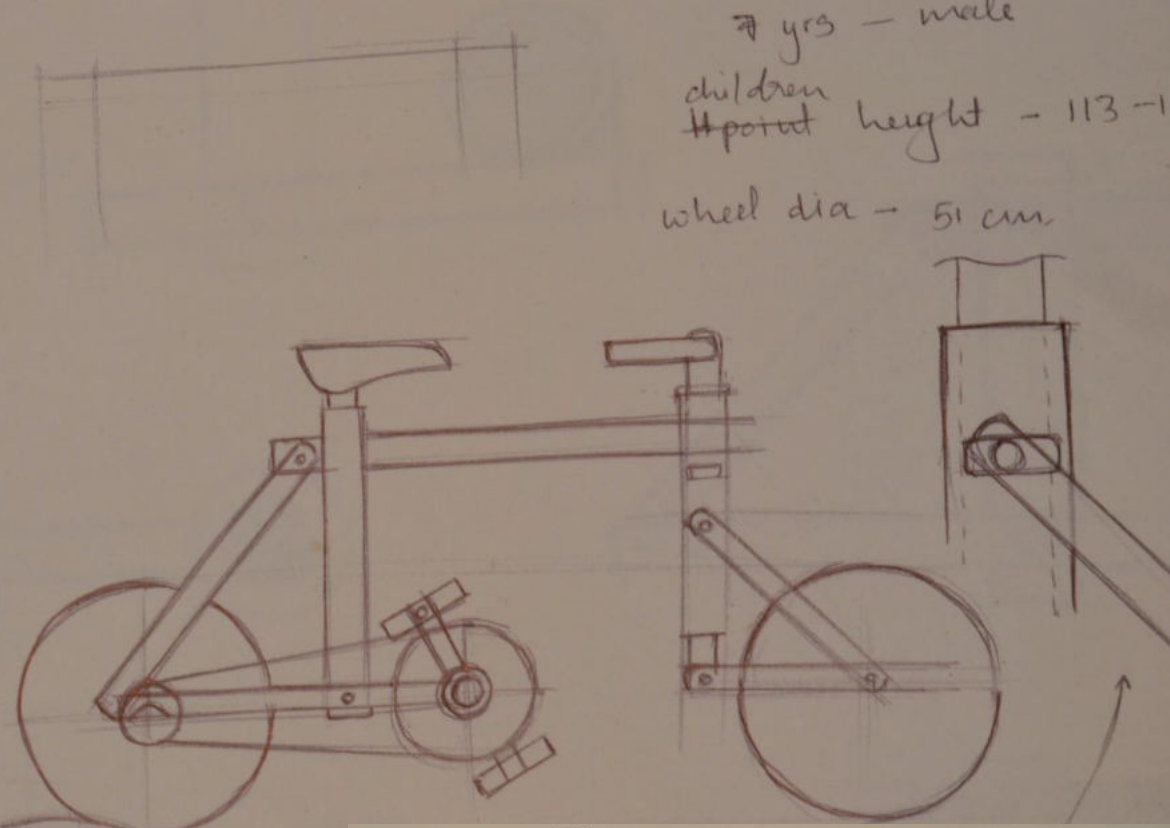


Ideation

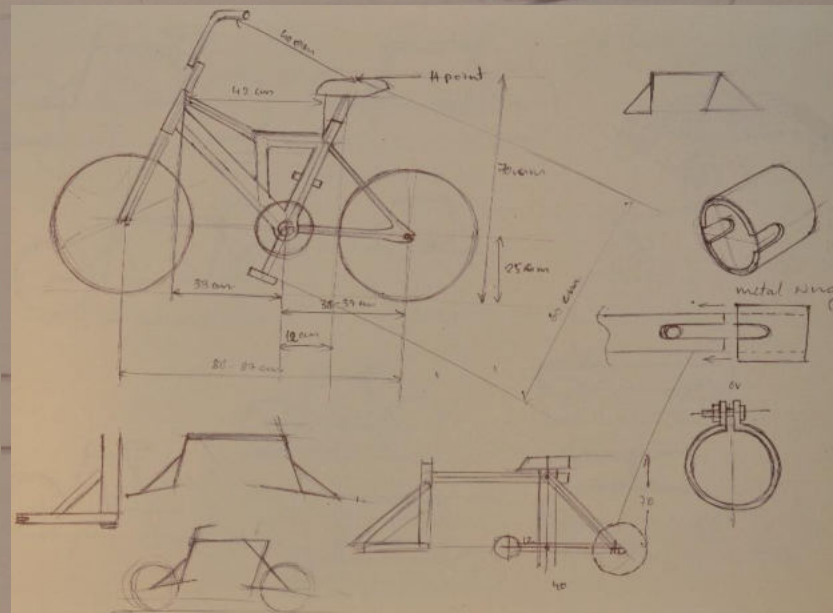
To try out a different
framework

Using basic machining
operations

Used a cycle for
dimensional
Reference



7 yrs - male
children
height - 113 - 1
wheel dia - 51 cm

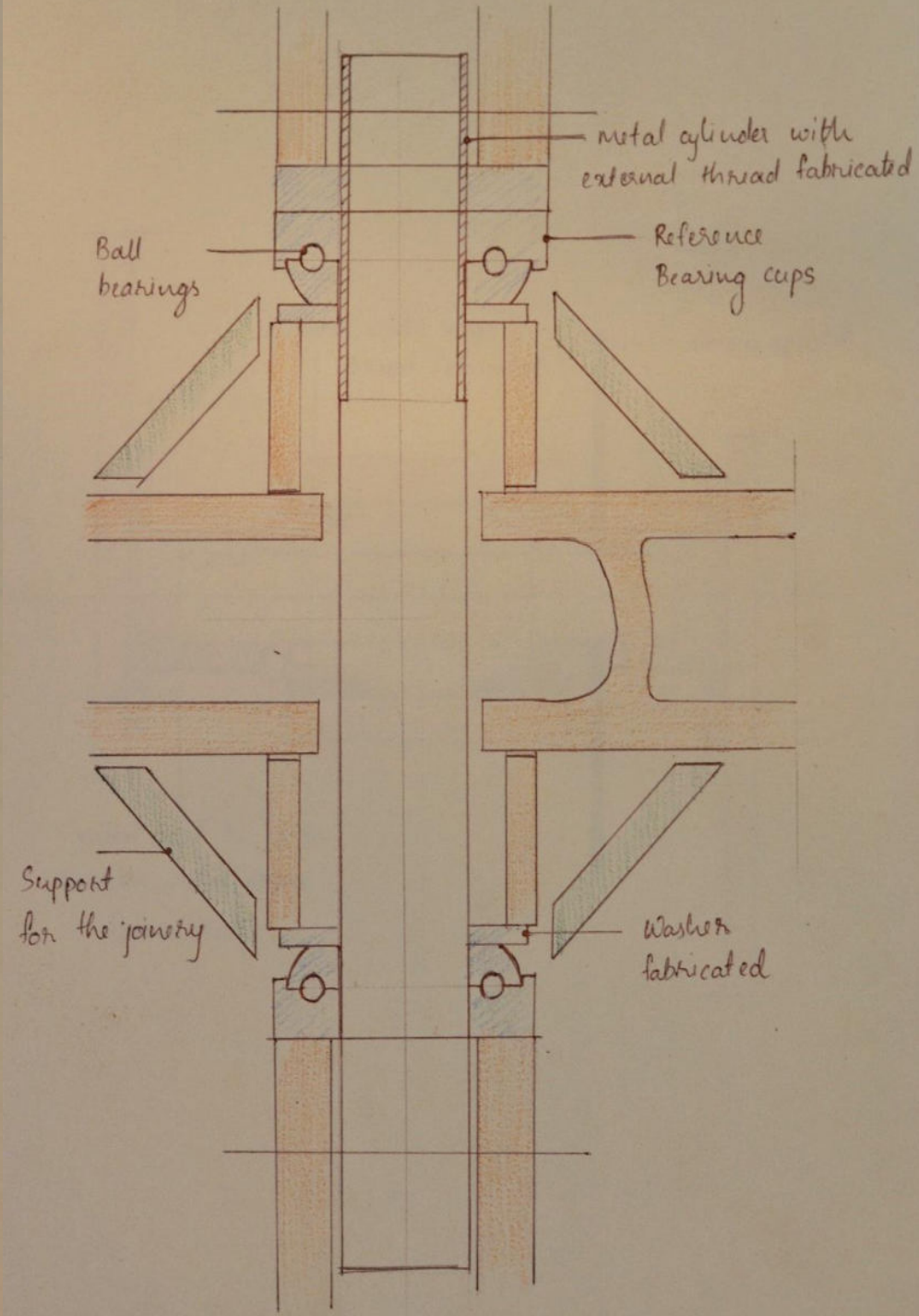


Handle joinery

Joinery was made using available handle bearings.

Dimensions of the bearings were taken as reference

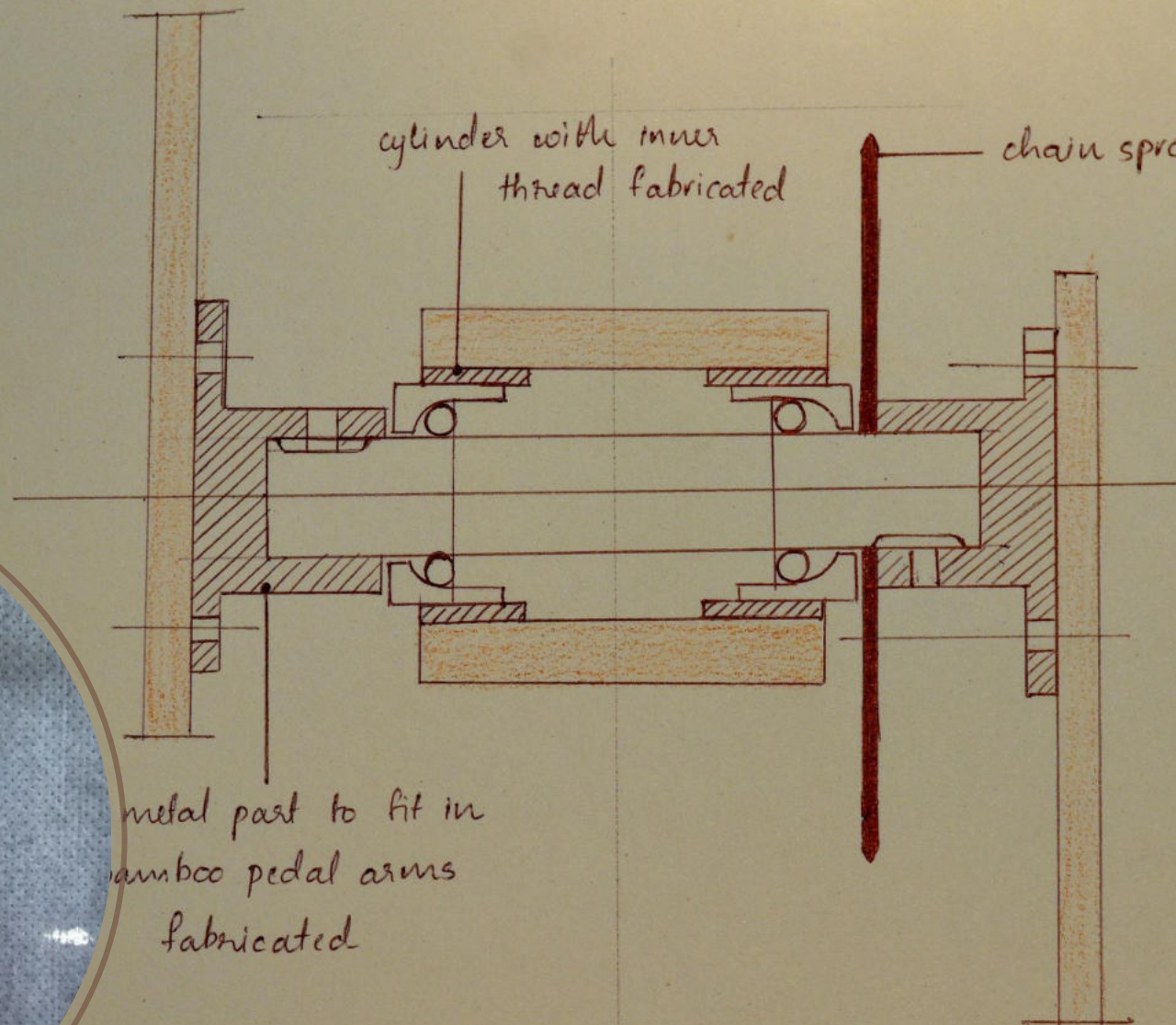
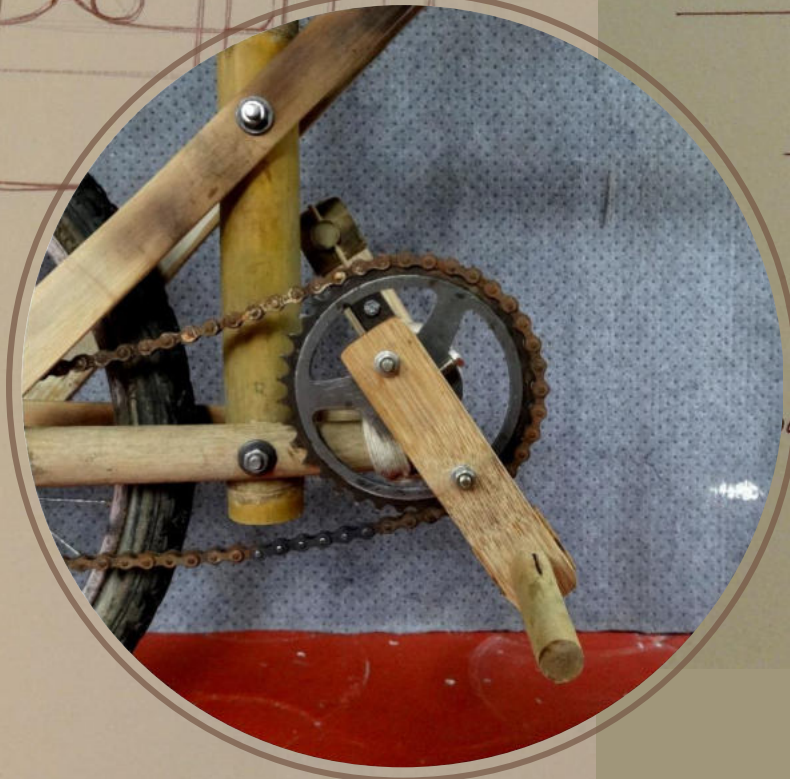
Metal parts had to be made in lathe shop



Pedal joinery

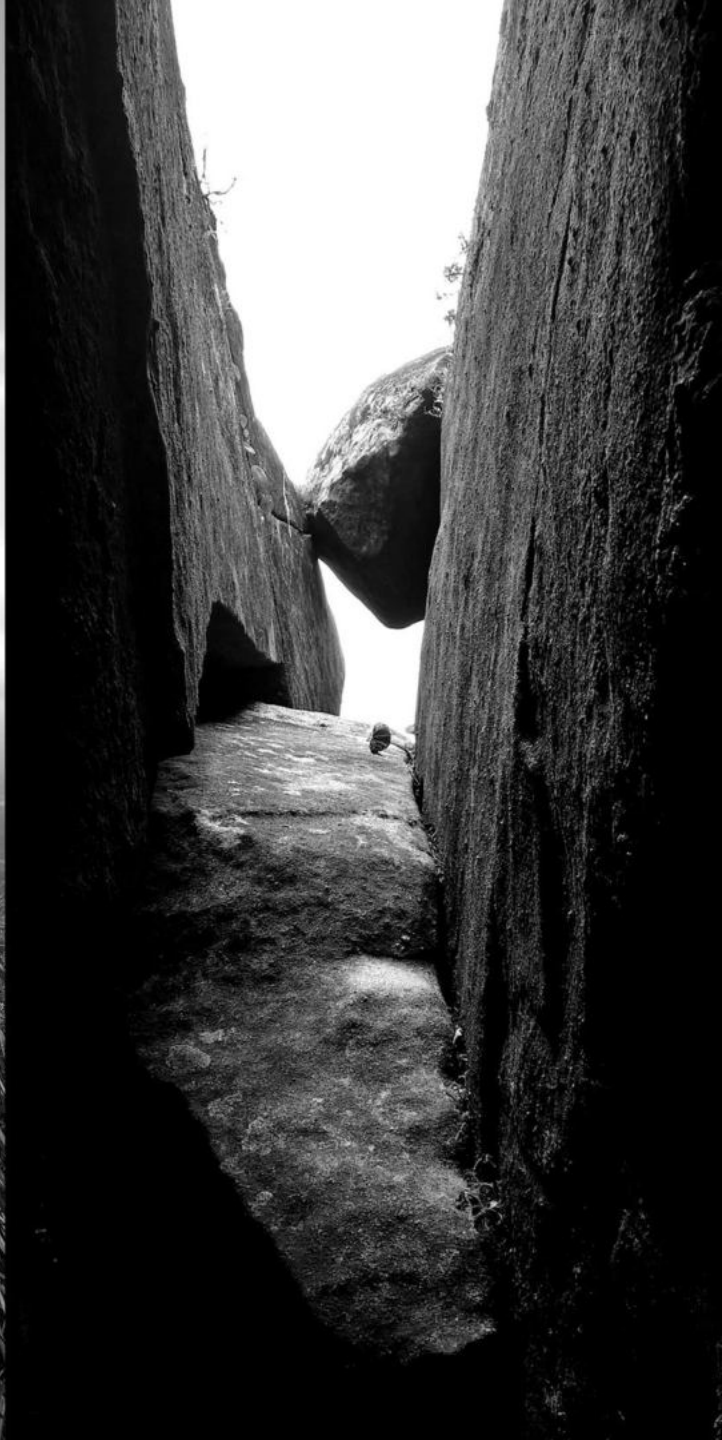
New metal parts were fabricated to fit the bamboo pedal

The Joinery is fixed using rope and glue











THANK YOU

SPECIAL

Mr. Baburaj,
Mr. Surendranath, Mr.
Shivaraj, Mrs. Corine, Eby
Issac, Vincent, CHILDRENS
CLUB, Rakesh, Aji, Raju,
Natalia, Balettan,
Mohanettan, Sadiq, Sreeja
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Sudhakarettan