

Project Report
on
Human animal Bond

submitted in partial fulfilment of requirements of the degree

Master in Design

By
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Guide:
Prof. Sumant Rao



IDC School of Design
Indian Institute of Technology, Bombay

Approval

Animation project 2

The animation project entitled “ Human animal bond “
by Eshwar kumar G B, 176340001 approved as a partial fulfilment of
post-graduation degree in animation.

Prof. Sumant Rao
[Project Guide]



Internal Examiner



External Examiner



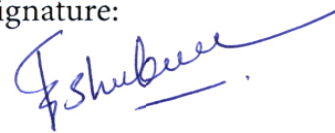
Chairperson



Declaration

I declare that this written submission represent my idea in my own words and where others ideas or words have been included. I have adequately cited and referenced the original sources.I have also declare that I have not misrepresented or fabricated or falsified any idea/fact/source in my submission to the best of my knowledge.

Signature:



Eshwar Kumar G B

176340001

M.Des (Animation)

IDC,IIT-Bombay

Date: 16/11/2018

Acknowledgement

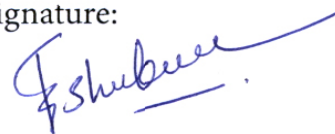
I would like to thank my guide Prof.Sumant Rao for his support and guidance throughout the project.

I would like to thank Prof. Phani Tetali, Prof. Nina Sabnani, Prof. Shilpa-Ranade and Prof. Mazhar kamran for their invaluble inputs throughout my academic time here which leads to the project.

I would like to thank my batchmates and friends for their unconditional support throughout the project.

And finally thanks to my family.

Signature:



Eshwar Kumar G B

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M.Des (Animation)

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Abstract

My Story deals with two various type of people whose intention is to be good and very close friend to the elephant and the other side of human who wants to show his power or strength by killing such a massive animal just to make themselves to be a great hunters and a very strong man. It also deals with the people who trap them to get benefits out of them instead of making them be free in their own land.

In the other way I want to show how a animal can be so loyal to the people, though they try to trap, still animals be so helpful and do all the works which are said to be done to them. and also a animal can be so close to the one who loves them and can go to any extent in saving the person whom they love.

Here the story goes on with a man and a elephant from their childhood, they grow up and become so friendly to each other that they can't be away for long.

I just want to potrate that Elephants are been slaughtered by some of the humans to make money at the same time rest of the humans are trying to protect these species, this is a huge hazard in the current world. In future, if these species are existing on the planet but still we may not find them with huge tusks.

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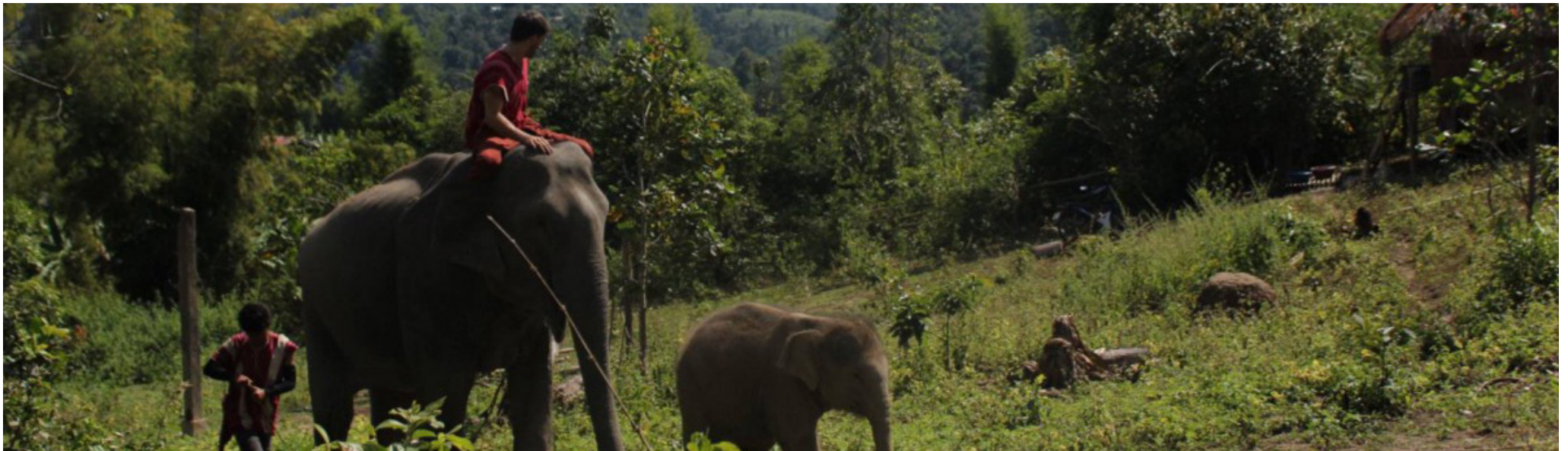
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Introduction

The bond between Elephants and humans is from centuries, human started taking help of such a massive animal which are very intelligent, strong, smart and caring. Elephant is considered to be a great symbol of strength and wisdom all over the world.

Tribes, are the people who are much connected with the nature and animals from the beginning of era. forest is their world and they consider five elements as the god and they worship Trees and also animals.

Relation between the tribes and elephant is going to be very strong because they belong to the same part of nature.

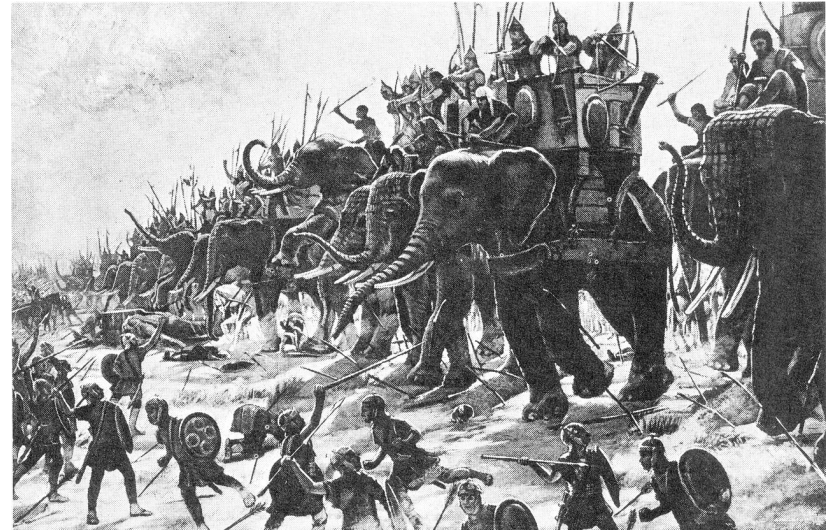


Research

Elephants with People

The relationship between elephants and people is, and has been, an extraordinary one. Captive elephants have an important place in the history, religion and culture of many countries, especially in Asia. Elephants were first captured and tamed in the Indus Valley, about 4000 BC. As early as 1400 BC their enormous size and power was harnessed on the battlefield and recorded in Thai history. Porus, Emperor of India, used 85 elephants to confront Alexander the Great at the Battle of Hydaspes

The strength and intelligence of elephants has also been used by people in huge construction projects to great effect.



First Elephant Found

Overview. Europeans first came in contact with live elephants in 327 BC, when Alexander the Great descended into India from the Hindu Kush, but Alexander was quick to adopt them.

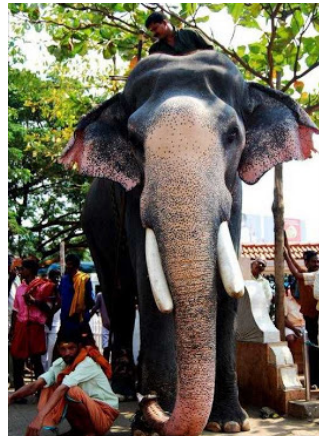
First war Elephant

During the Second Punic War, Hannibal famously led an army of war elephants across the Alps—although unfortunately many of them perished in the harsh conditions. The surviving elephants were successfully used in the battle of Trebia, where they panicked the Roman cavalry and Gallic allies.



Elephants in Culture and traditions

Elephants assume very special place in indian culture
Elephants are respected in India because its a
Symbolic form of the deity Lord Ganapathy
These Indian elephant are loved, revered, groomed and
given a prestigious place in the state's culture



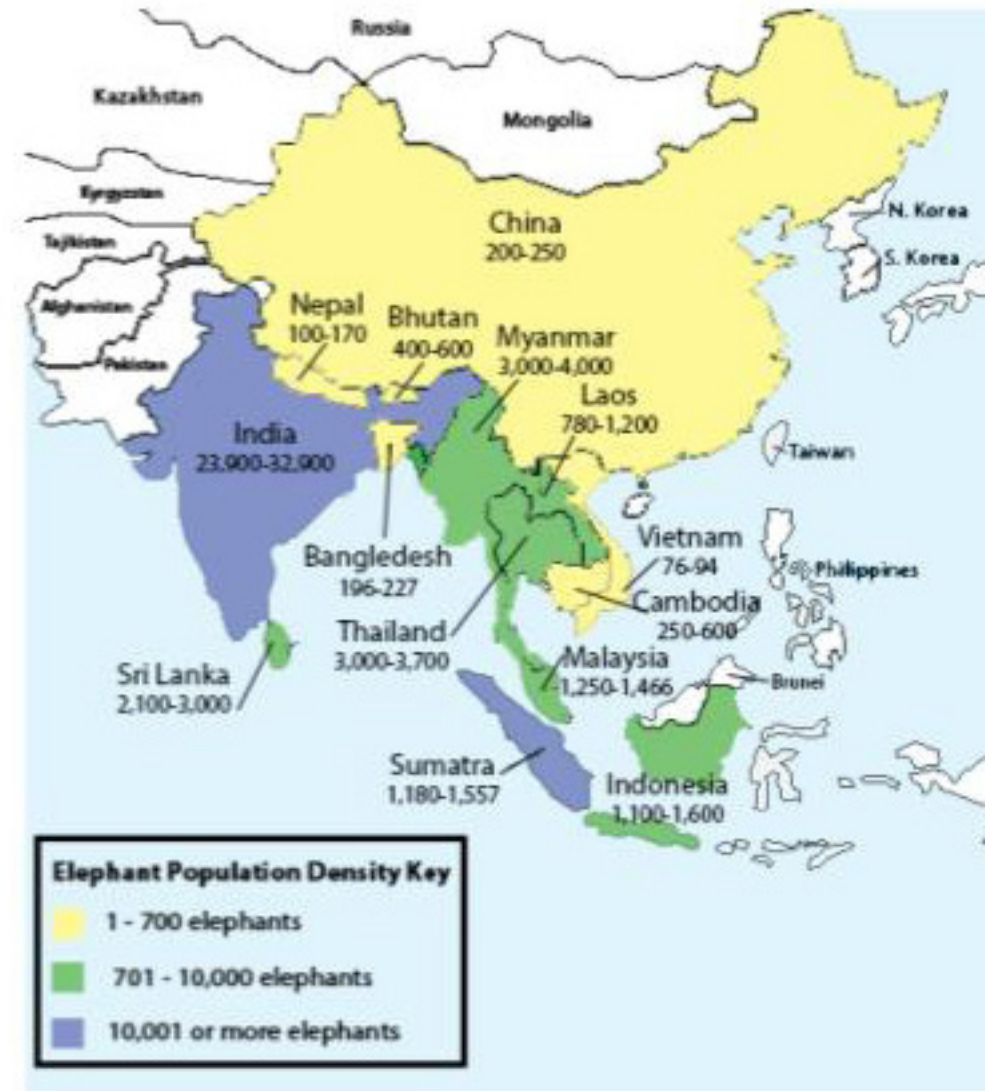
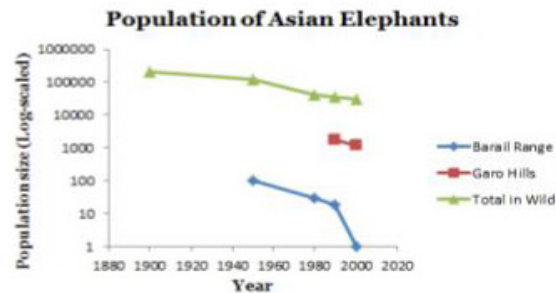
Elephants in the world

Elephant Range Map



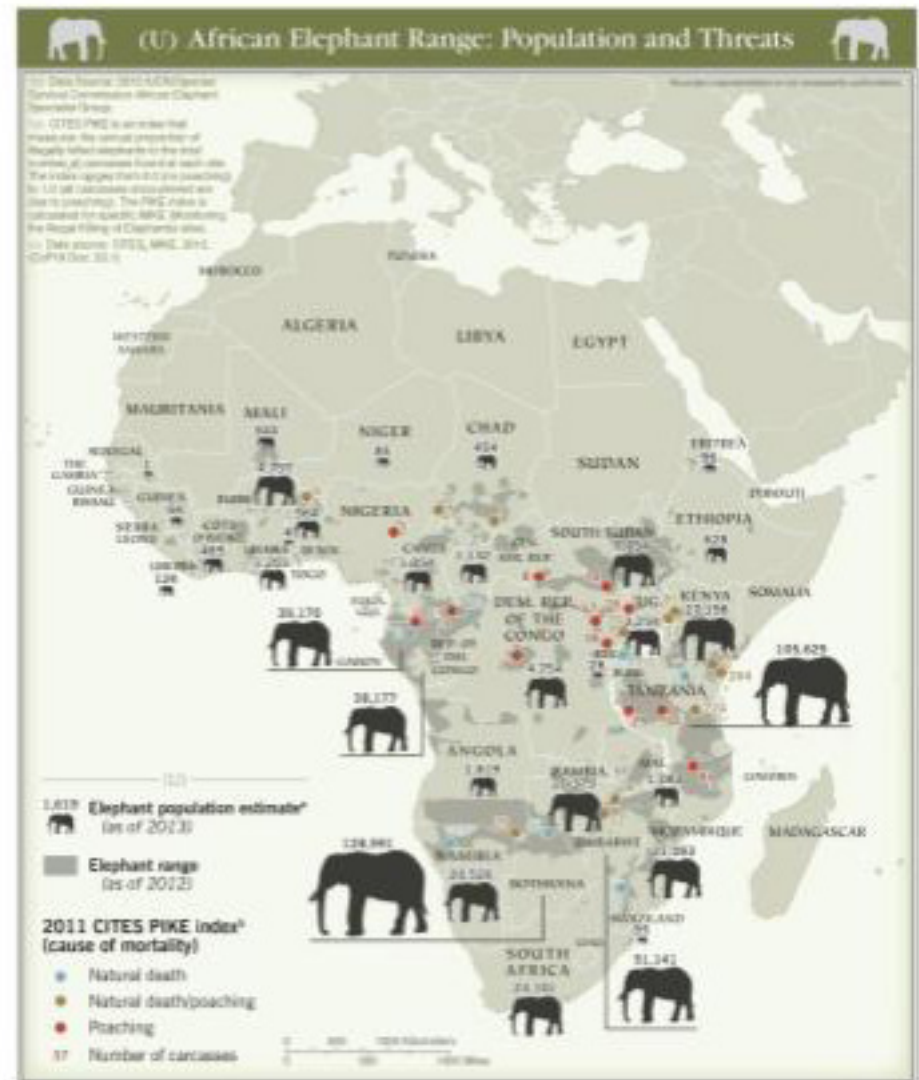
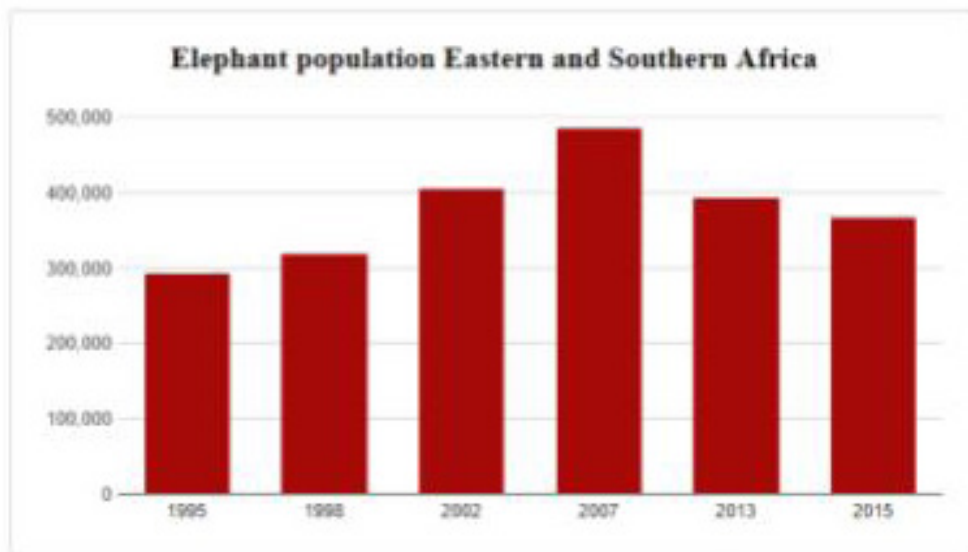
Elephants in the Asia

Today there are an estimated
35,000 - 40,000 elephants



Elephants in the Africa

Today there are an estimated
4,50,000 - 7,00,000 elephants



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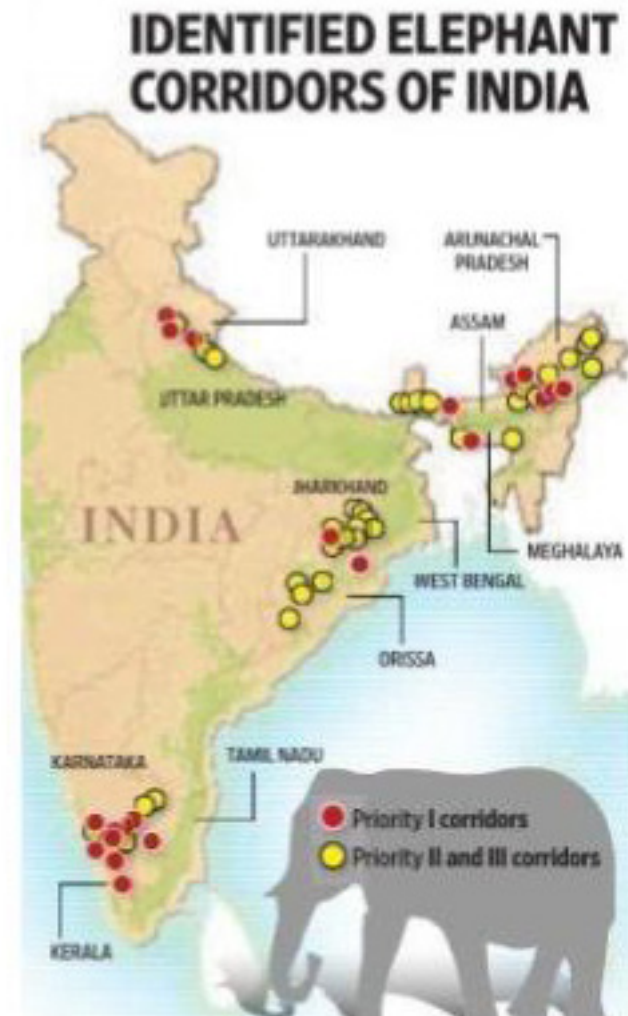
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Elephants in the INDIA

Today there are an estimated 30,000 elephants

2ND STEEPEST FALL IN COUNTRY

State	2012	2017	Difference
Kerala	5,942	3,054	2,888
Tamil Nadu	4,015	2,761	1,254
Karnataka	6488	6049	439
Andhra Pradesh	45	61	16



Elephants Slaughtered in Africa

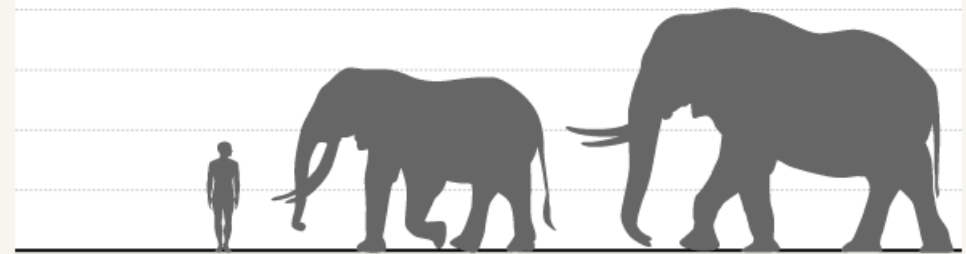
Most of the Elephant are killed in Africa only for Ivory.

Per day approx 100 elephants are killed



TWO SPECIES GOOD

New calculations of the timing of and spacing between pregnancies in African forest elephants highlight the need for them to be recognized as a distinct species.



NAME	FOREST ELEPHANT <i>Loxodonta cyclotis</i>	SAVANNAH ELEPHANT <i>Loxodonta africana</i>
LOCATION	West and central Africa	Eastern and southern Africa
HEIGHT	2.4–3 metres	3–4 metres
WEIGHT	2–5 tonnes	4–7 tonnes
FIRST PREGNANCY	23 years	12 years
TIME BETWEEN PREGNANCIES	5–6 years	3–4 years
POPULATION DOUBLING TIME	60 years	20 years

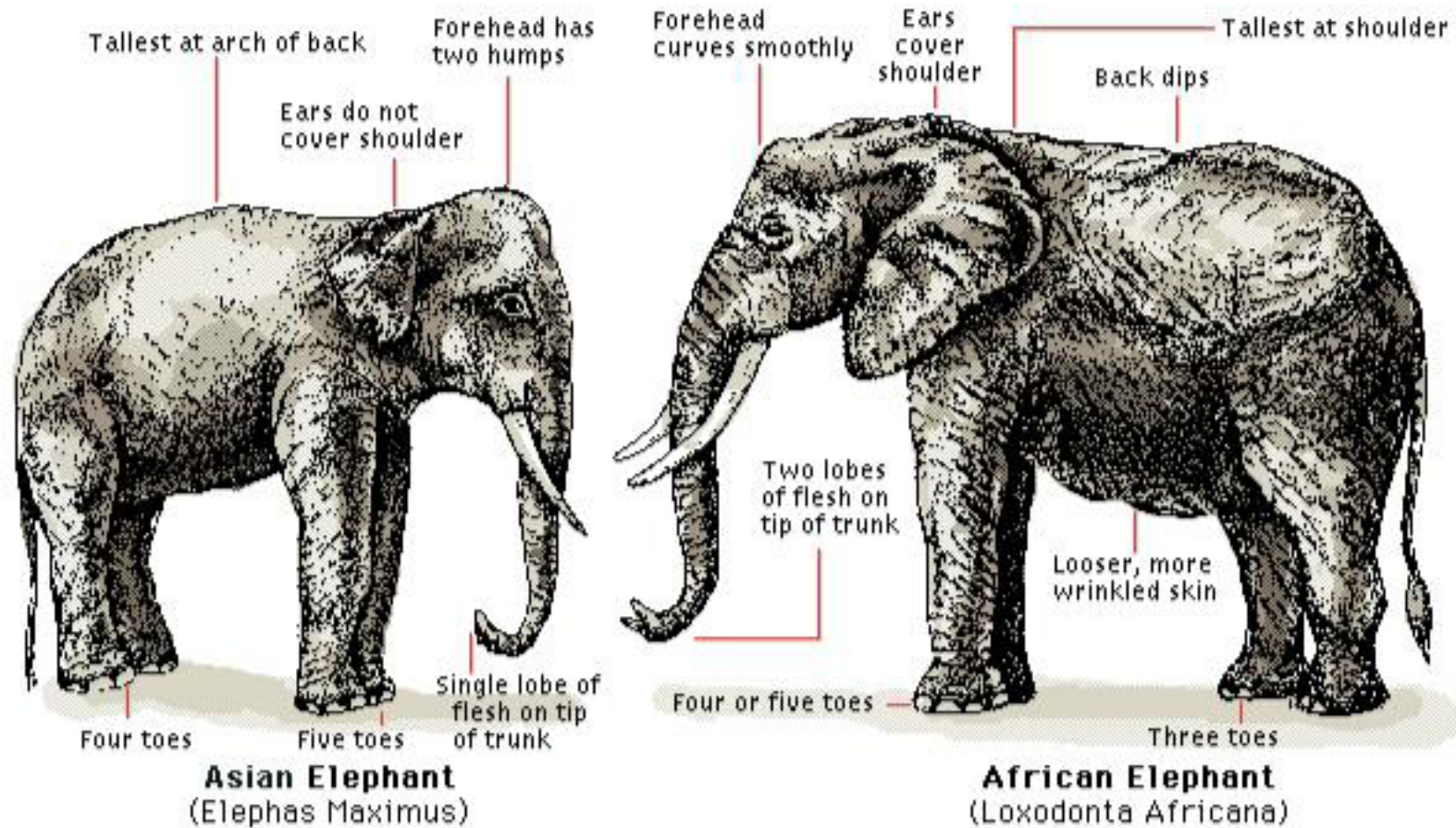
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Elephants difference in proportions

Mainland -Indian

Borneo Pygmy- Indonesia and Malaysia





Why Elephants fall to death in INDIA

Most of the Elephants in india are not been killed directly, but the misdeeds of humans are killing them in number.

Reasons

- Deforestation
- Electric fence
- Rash driving
- Restricting migration routes
- Killed for ivory
- Politics

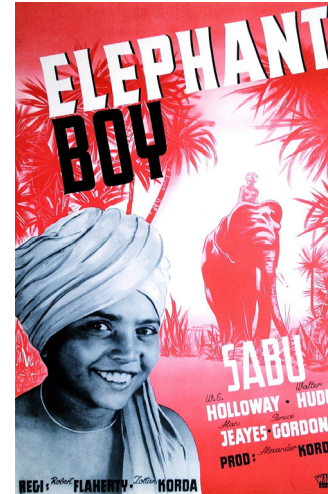


Movie on Human Elephant friendship

Elephant boy-1937

directed by Robert j. flaherty Zoltan korda

- Toomai(Sabu) a young boy growing up in India, who wants to b a hunter.
- He helps his Father (mahout) and kala nag (A elephant) which has been in their family for for generations
- Petersen hires his father to capture a large group of elephants.
- They don't find any elephants in the forest and 1 night sabus father gets killed by a tiger
- So kala nag as assigned to some other mahout as sabu is very young.
- Mahout beats the elephant so 1 night sabu runs away into the jungle with kala nag
- One fine day sabu finds a large herd of elephants so he informs Petersen abt then and captures the herd of elephants, so people hail him as “Toomai of the Elephants”.



Pooja and Shanti

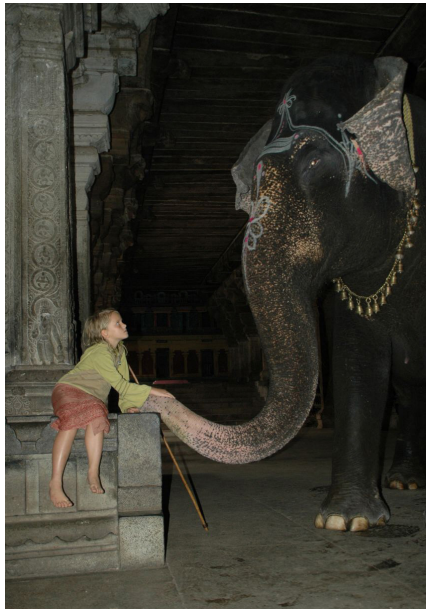
A documentary on poojas and shanti's special friendship

The friendship between pooja Marske, who became friend with elephants in india at the age of five.

A Documentary shows the original footage of her and elephant which was taken by her parents in 2004 and 2005

Pooja loves all the animals especially elephants.

She became a special friend of 49-yr old Shanti- A Temple elephant in tamil nadu.



Tribes in India

There are around 645 tribes in india

Stay

They live in areas of hills and forests

Most of them are illiterate and unaware of nations progress
they mostly rely on forest in agriculture or hunting to survive

They have a rare contact with other culture and people.

They also have different culture religions and languages differing with the state.



Bonda Tribe

State : Odisha

Country : India

List of tribes

1.Bhils- Madhya Pradesh, Maharashtra, Gujarat,Rajasthan and Tripura.

*They are divided into central and eastern or rajput bhils

*They speak Bhili,which is an Indo aryan language.

2.Munda-Jharkhand, Bihar, Chhattisgarh, W-Bengal and Odisha.

* They speak Mundari, which is an Austro-Asiatic Language.

*They were Hunters before now they started agriculture.

3.Santhals(Largest tribe in India)-W-bengal,Orissa,Jharkhand, Bihar

*They speak Santhali,Which is an Austro-Asiatic language.

*They are engaged in Hunting and fishing and cultivation for they livelihood.

4.Gonda-MP,AP,TGA,Maharashtra,Chhattisgarh.

*They speak Gondi language which is related to Telugu and other dravidian language,north part of gonda speak local hindi.

*They are divided into four types:

> Raj Gonds >Madia Gonds >Dhurve Gonds > Khatulwar Gonds.

5.Khasi- Assam, Meghalaya, Panjab,UP,Manipur,WB,J&K.

*They speak Khasi

6.Adis-Arunachal Pradesh, Assam

7.Nyishis-Arunachal Pradesh.#

*They speak tibetan-burman language.

*They tribe is found of Hunting and fishing.

8.Garos(second largest in India)-Meghalaya#

*The youngest daughter inherits the property from her mother.Son leaves thr parents house at puberty,and are trained in the village,after getting married,the man lives in his wife's house.

*Mostly these people follow christianity,But Rural people follow Animist religion known as Songsarek and its practices.

Garos first immigrated to garos hills from tibetarround 400BC under the leadership of Jappa Jalimpa, crossing the great Brahmaputra river and sittled in the river valley

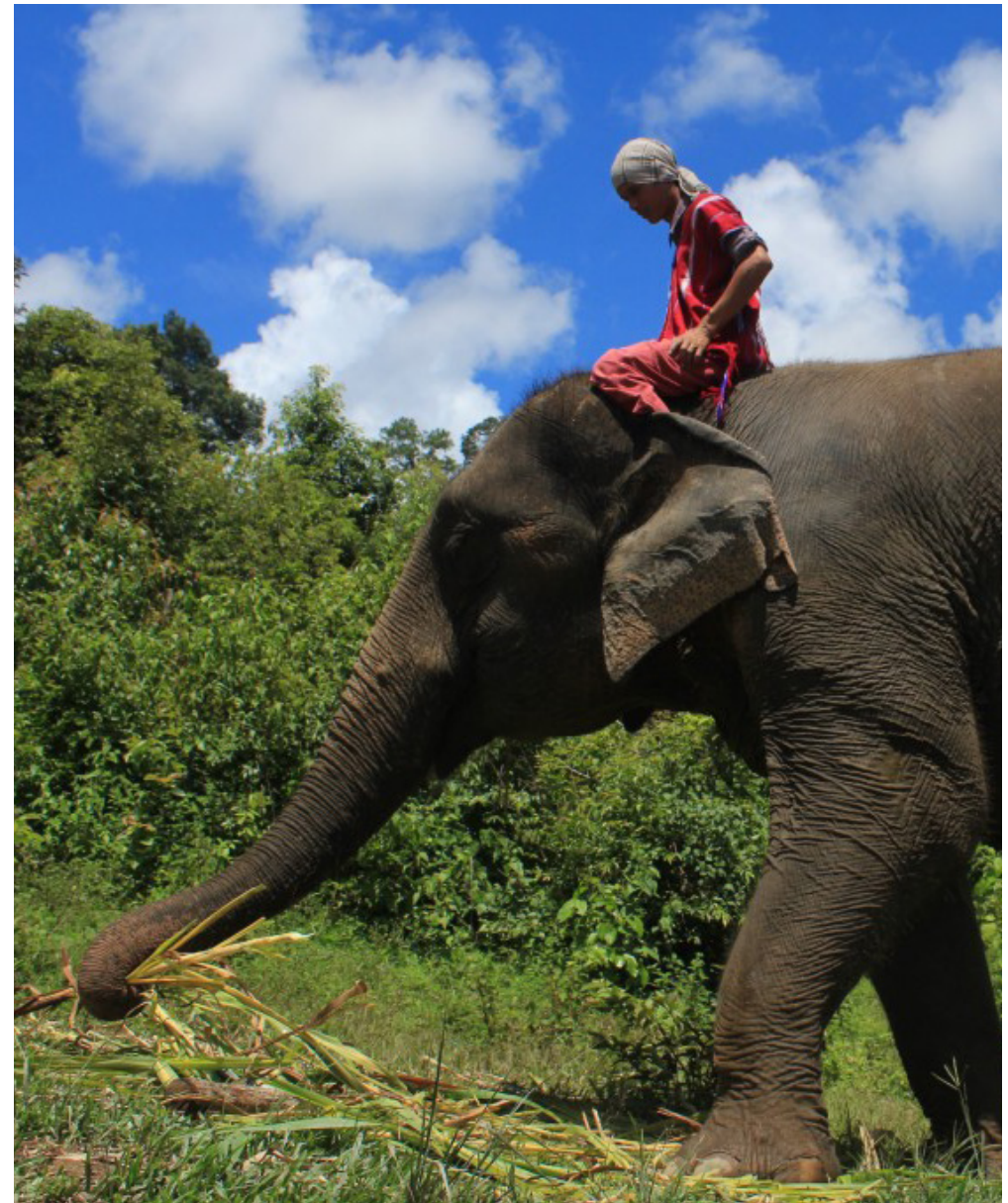


Analysis

In the research I have studied about the close relationship between human beings and elephant and how they are together from centuries. Elephants are the most intelligent and strong animals on the planet, which can move along with humans and also understand their signs. Some time elephants are against human because there might be some indirect or direct injustice to them. Forest is the main home for the elephants, where they can stay peacefully but deforestation is one of the major impact on them. Elephants usually migrate from one place to the other in a herd, even their migration routes are objected, which is causing problems for human and also Elephants as well. Some people are making money by selling them or by their tusks.

People in India are mostly connected with them because elephants are the symbolic form of the deity lord Ganesh in Hinduism. They are very prominently used in many Indian cultures and traditions. In India Elephants dung is also used as a medicine in ayurvedics. They are used from centuries just for the benefits to the people and for the people and they get food for that but they are not free like how they stay in the forest, some of the people not only capture them but they also hunt them just for fun which is very cruel, and to show how powerful they are by killing a huge elephant. Many of the elephants are dead in the past only because of human separating their state and land divisions with electric fence.

Elephant are very kind and very sensitive they feel each and every emotions, they just work for humans showing their true loyalty to the owner. They love Music and very much interested in food.



Mind map



Concept - 1

1. Starts with Elephant standing with a tribe in a grassland
2. As we look into elephant eyes it takes us to the back-story of him with his friend.
3. A baby boy swimming along with a baby Elephant, time changes, they transfer to elder as he gets on to elephant back and they both reach the land.
4. He gets down sliding from elephants head, both look at each other and man touching the elephant's trunk, the movement he touches the elephant trunk a sharp poisonous arrow gets into his chest from his back, and he falls on his knees.
5. Elephant gets very worried and looks at the direction from where the arrow came from, Elephant sees two hunters coming closer laughing at them.
6. Elephant runs with anger towards them to attack, as he take few steps ahead he falls into a pit, which was a trap to catch the elephant by the hunters.
7. Hunters decide to kill the elephant, but the men gets up and kills the hunters in one shot with his dragger and falls on the ground looking at elephant.
8. The elephant start crying helpless, we see into the eyes of elephant the tears drop flows and falls on the grave.
9. The Tribe tries to take the elephant back but he refuses in the beginning and later steps back along with him.
10. we see a spirit of the men gets out of grave and follows the Elephant.

Concept - 2

1. A tribal boy walking near a river bank finds a baby elephant in a cage who is trying to get away from it.
2. He rescues the baby elephant and takes him to his village.
3. The relation or the bond between them becomes very close as the days pass.
4. One fine day their village are attacked by the regional king, saying them to vacate their area or deserve the punishment.
5. Boy and elephant in order to rescue his parents, gets caught by the soldiers.
6. Villagers pray to their mother nature to save them.
7. Baby elephant transfer into a huge 11ft white Chaddanta and scare all the soldiers.
8. As soldiers get away from the place, Elephant changes into his normal form and gets back to the boy. and the people think God has come to save them in this form.

Concept - 3

1. A tribal boy floats in the water unconsciously
2. He is lifted up from the water by some magical light and saves his life. when the boys become conscious he notice that the life saver is a huge white Chaddanta.
3. Boy tells his backstory that his village was attacked by the king and got destroyed nd his parents were arrested.
4. Chaddanta carries the boy on his back and flies towards the kingdom to save the tribes.
5. When Chaddanta lands in the kingdom, The king shows his devotion to chaddanta and bows in front of him.
6. Chaddanta tells the king to release the innocent tribes and says every individual has they own right to live on this mother planet and no one has rights to take they land.
7. King understand his mistakes and releases the tribe with great respect.

Concept - 4

1. A tribal boy walking in the forest finds an elephant which was hurt.
2. Boy cures the elephant's hurt based on his knowledge, and Elephant thanks him in return and leaves.
3. One fine day, boy with 2 elders goes for hunting, where they get attacked by herd of 3 lions.
4. Boy runes for his life and one of the lion chases him,but he couldn't run very far as he get stuck in one place.
5. Lion come to attack him, at the same time a trunk holds the boy and lifts him up.he could notice that its the same elephant whom he saved before.
6. Elephant takes him on his back and scares the lions.and the lions run out of fear.
7. The rest of his men gets shocked to see that incident.

Story Idea

The main idea is to represent the bond between human and elephant and how close there to each other but not all humans are same, some of them hunt them for various purpose, so in my story i want to incorporate the dangerous problems encountered by the elephant and how the other men struggle till his end of his breath to save his friend(elephant).

Concept - 5

The story starts with a Elephant standing along with a tribe (mahout) in a grassland.As we get into the backstory of elephant we see.

A baby boy walks with a huge grass bundle in his hands and feeding it to the baby elephant there is a transition to the next rainy day where the boy running out in the rain with umbrella to cover the elephant from the rain, and he gets on to the elephants back and holds the umbrella, there is a transition which takes us where baby elephant and boy are playing in the muddy water happily from which it takes us to underwater, here the boy and elephant are swimming together and later boy gets on to the elephant back, as he gets on he and elephant transform into adults.

They both reach the land and the P1 gets down from the elephant and hugs him, when they both look at each other all of sudden a sharp arrow gets into the body of the P1, and immediately he falls on the knees bearing the severe pain. By seeing the men with pain elephant don't understand anything and immediately looks in the direction from where the arrow came from.

Elephant sees a hunter approaching them and with full anger elephant runs towards the hunter,as he takes few steps he falls into the pit which was already created by the hunter to capture the elephant.

The hunter reaches the elephant and imagine to be a great hunter with number of ivories.he gets back to present and tries to kill the elephant at that point of time the P1 tries to stop the hunter while stopping hunters spear falls down into the pit and elephant breaks it.the hunter gets angry and removes a drager and tries to attack P1 but a arrow injures his hand and when he sees up a trap falls on him and he gets stuck in the trap. P2 runs towards the P1 and takes him into his lap. P1 points him towards the elephant and dies as the sun set.

we see elephant crying and a teardrop falls on the grave, now we see the P2 tries to take the elephant back,first elephant refuses to go but later he goes along with P2. As the time pass we see a plant grows on the grave.

Final Story

It's a Late night, a boy sleeping in his house, on listening to a baby elephant crying sounds he peeps out of window and sees that a small Elephant is been captured and closed in a wooden cage, and the elephant is trying to get out of the cage but he is unable to because the cage is more stronger beyond his strength.

The next day the boy sees the elephant sitting silently in the cage. He feels sad for it, being tied and caged. so, immediately he plucks some fresh grass and goes near the cage to feed it, though he is very fearful to go near, he puts his arm in holding grass and moves very slow towards the elephant. as he reaches near, the elephant gets scared of him and moves back. so the boy places the grass inside the cage and moves back, then slowly the elephant comes and smells the grass, as he knows its safe he takes it.

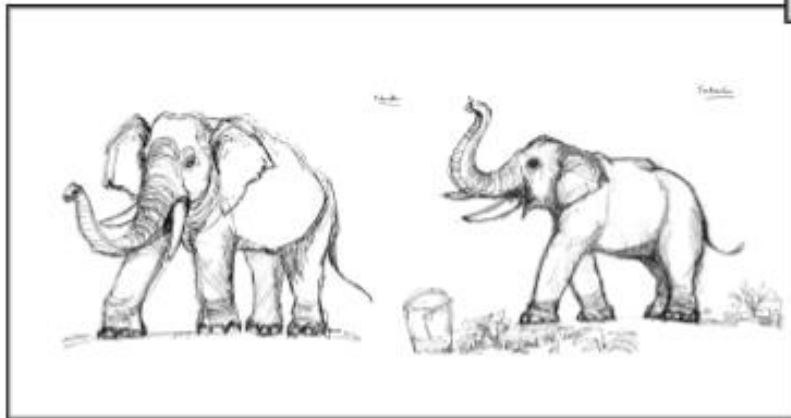
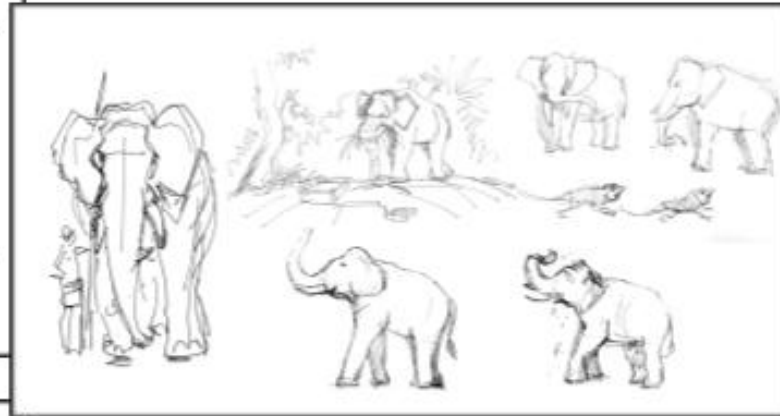
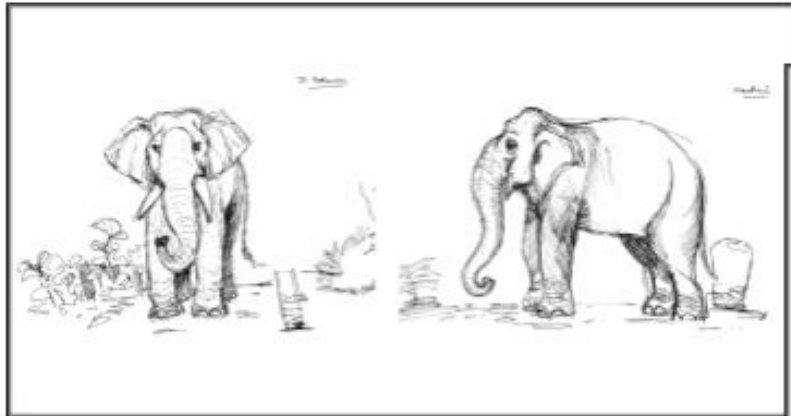
The next day the boy sees the elephant tied out of the cage near a tree and he is sitting silently but on seeing the boy, baby elephant stands up with happiness. boy goes near the elephant slowly with the same fear but this time the elephant stands in the same place, the boy stretches his arm with a bunch of bananas. elephant takes the fruits with lots of joy and takes it nicely, at that time boy touches the elephants head slowly and smiles, as elephant doesn't move away but he starts touching the boy's head and the boy starts laughing.

The next scene we see it raining very heavily but the boy sitting on the elephant by holding an umbrella, just to protect his friend from rain.

The next scene we see the boy training the elephant like lying on the ground and standing on his two legs.

The next scene we see it is a pleasant day and the boy and the elephant jumping and running near the waterfall, they dive into the water and swim a little and when they get out of water we see the boy and baby elephant transformed into adults, the men hanging holding the two tusks of elephants and smiling, we see their strong friendship and how close they became from years, but all of sudden the birds fly away from the place indicating the danger and man hears some sound near the bushes. when he turns back he sees a gun pointing at elephant. so immediately he jumps down and runs towards the hunter to save his friend but as the gun shoots the men come in front in order to save his friend and loses his life. this whole thing happens so fast that the elephant is still in shock. when he looks up a hunter comes out of bushes and points the gun towards the elephant.

Elephants which inspired me

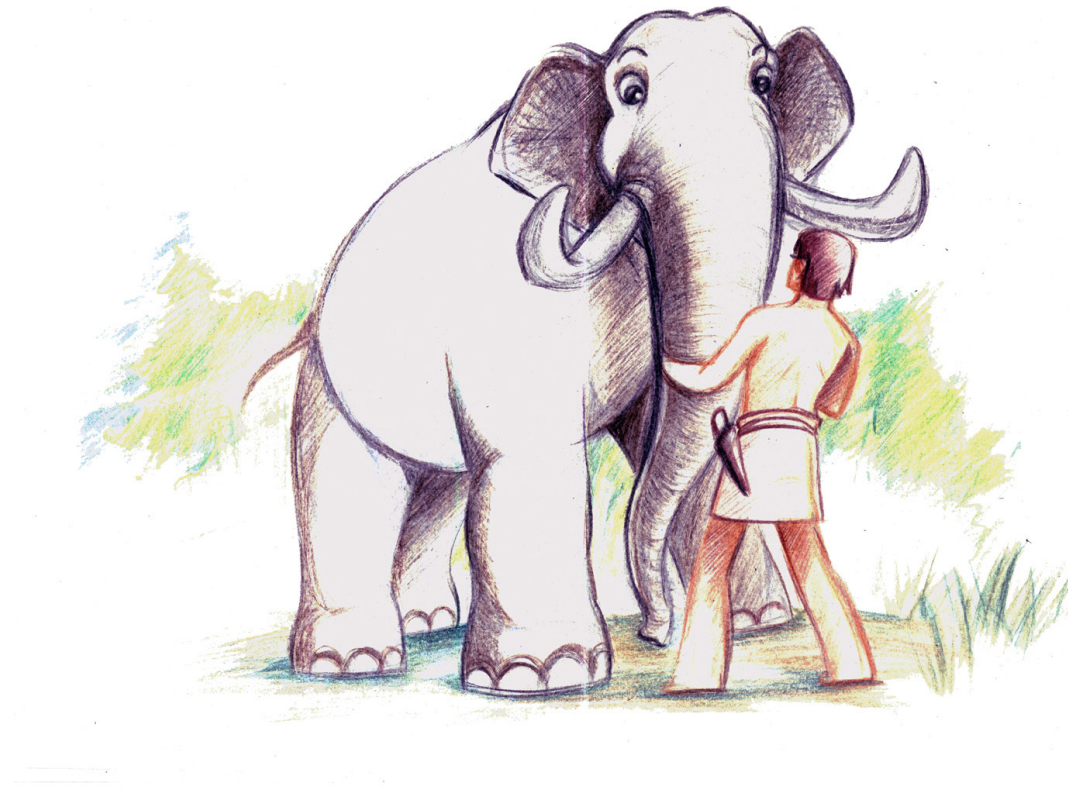


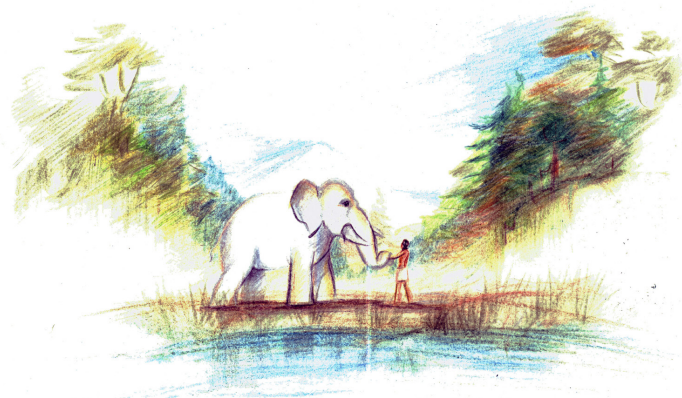
Live study of Elephants

Punnathur Kotta _
Kerala

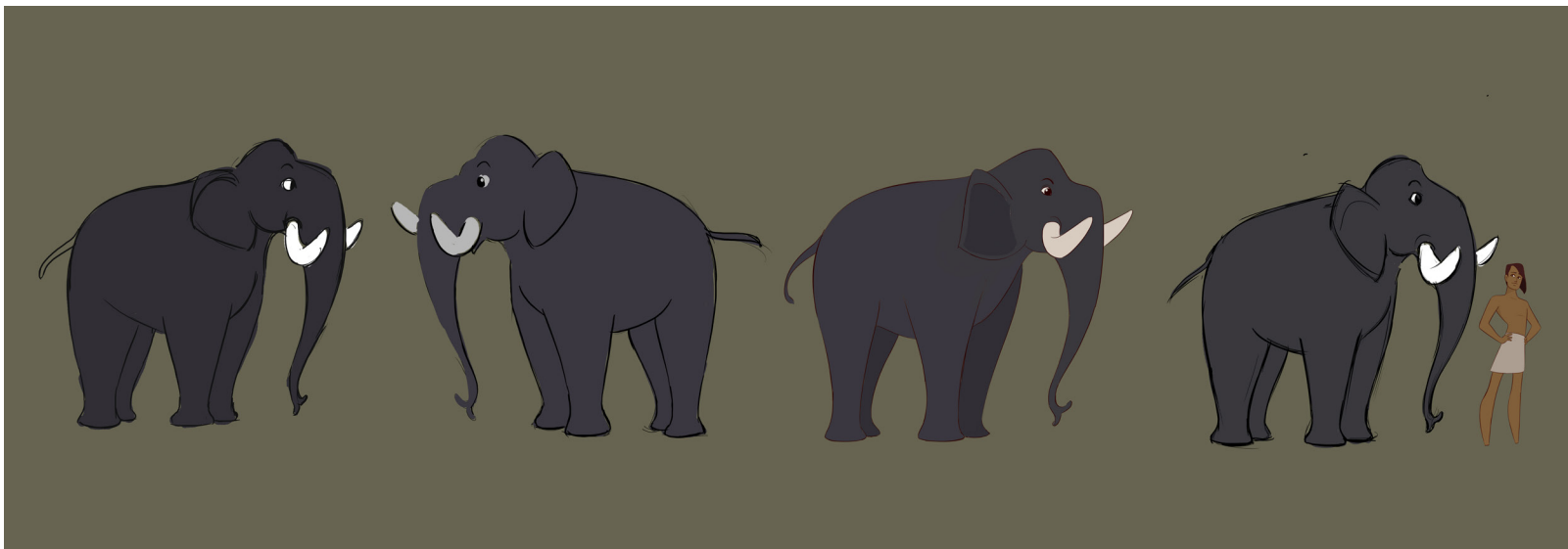
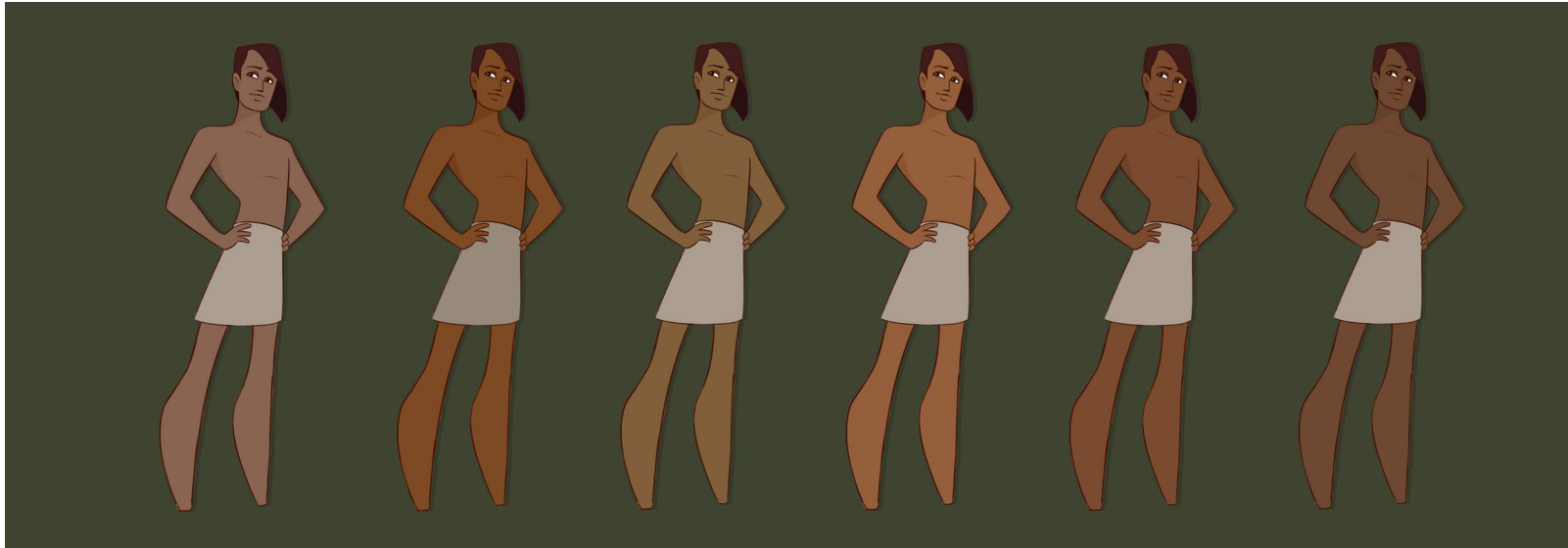
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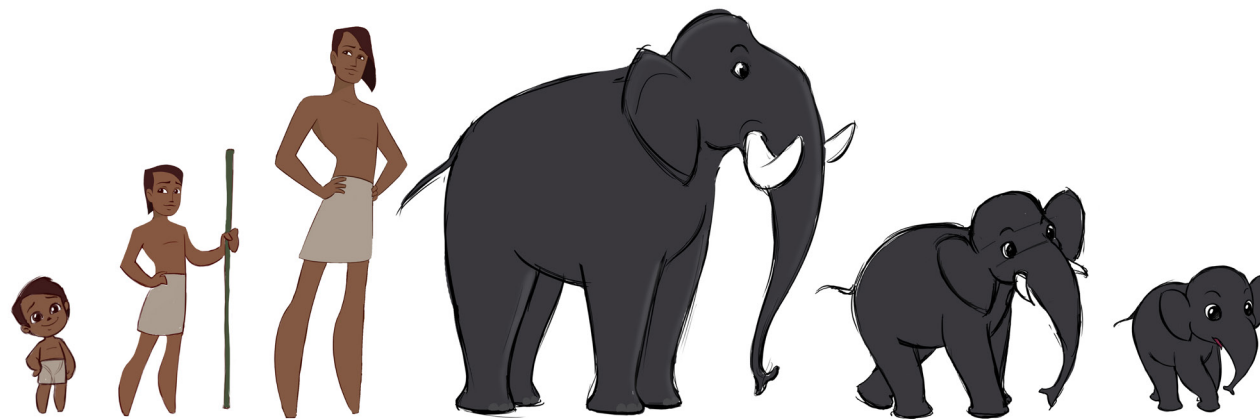
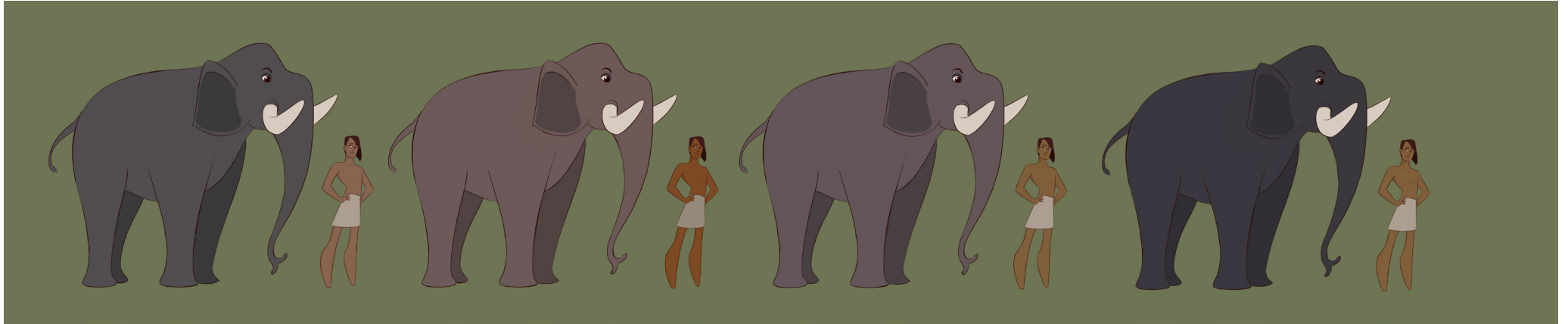
Inspirational Sketches

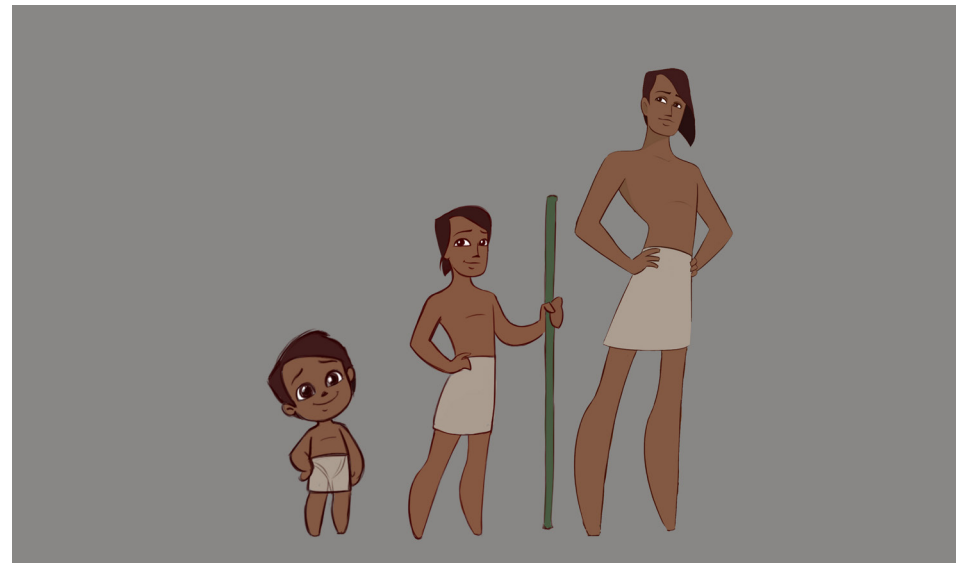
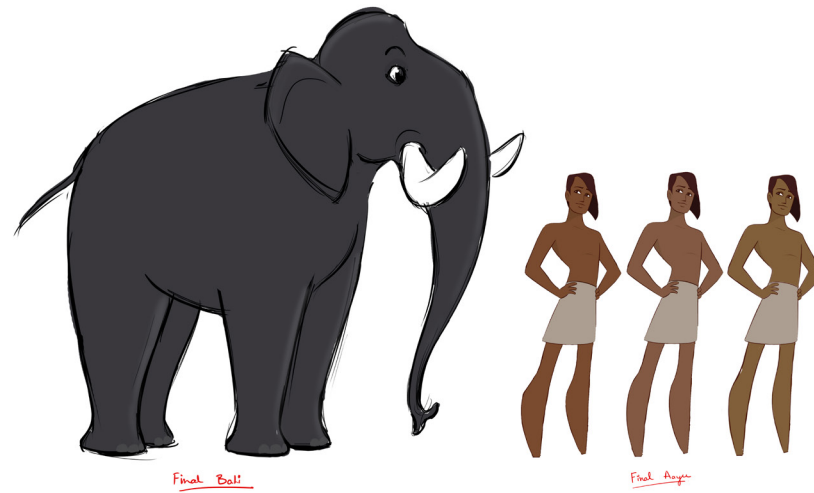




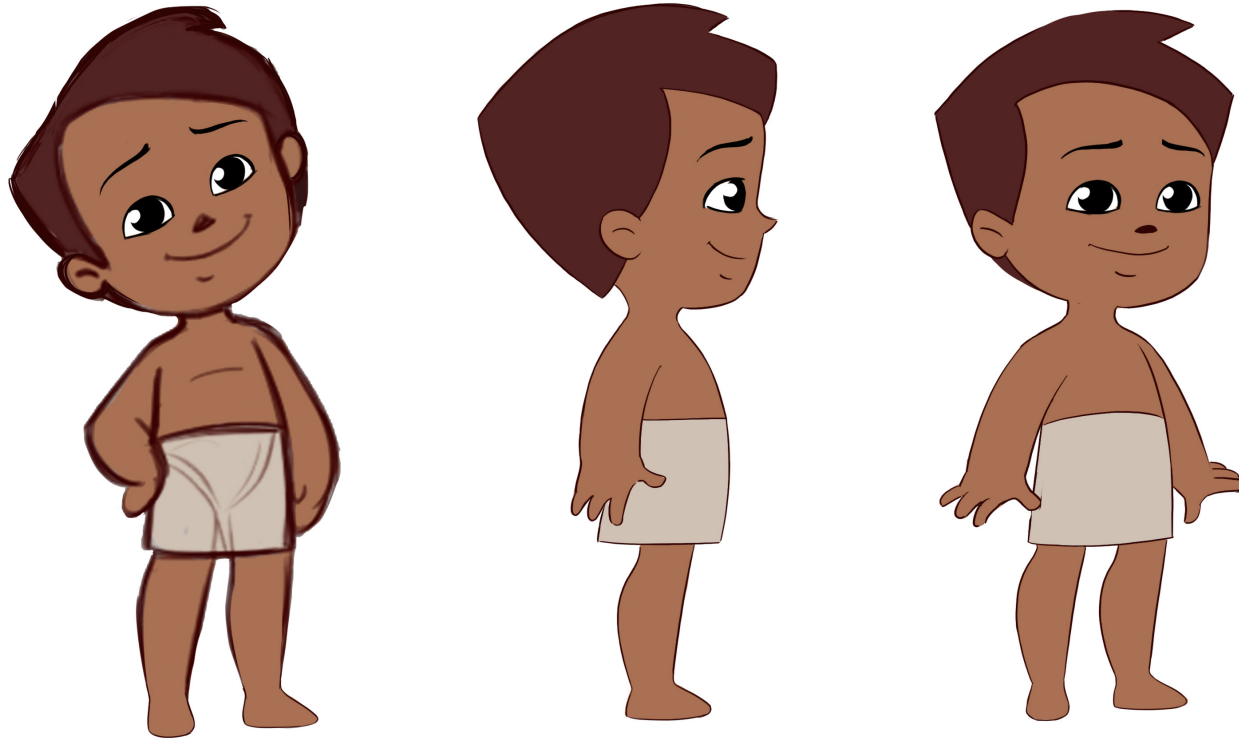
Character Design and Exploration

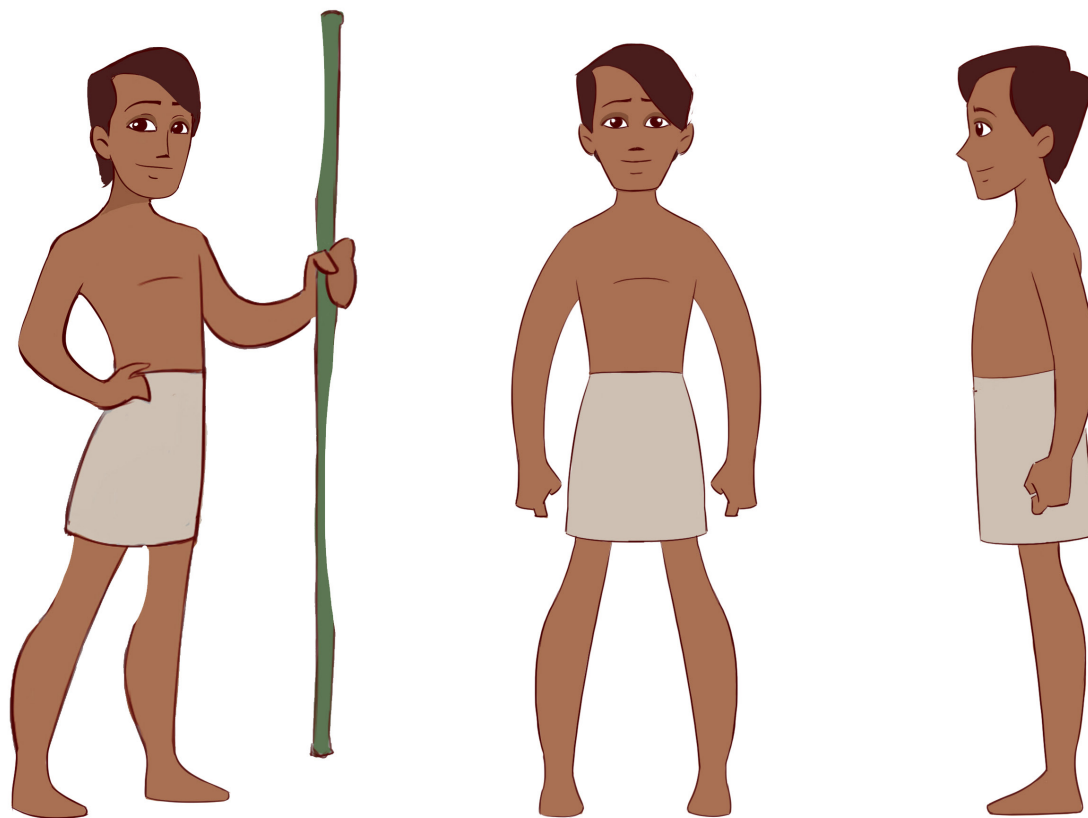


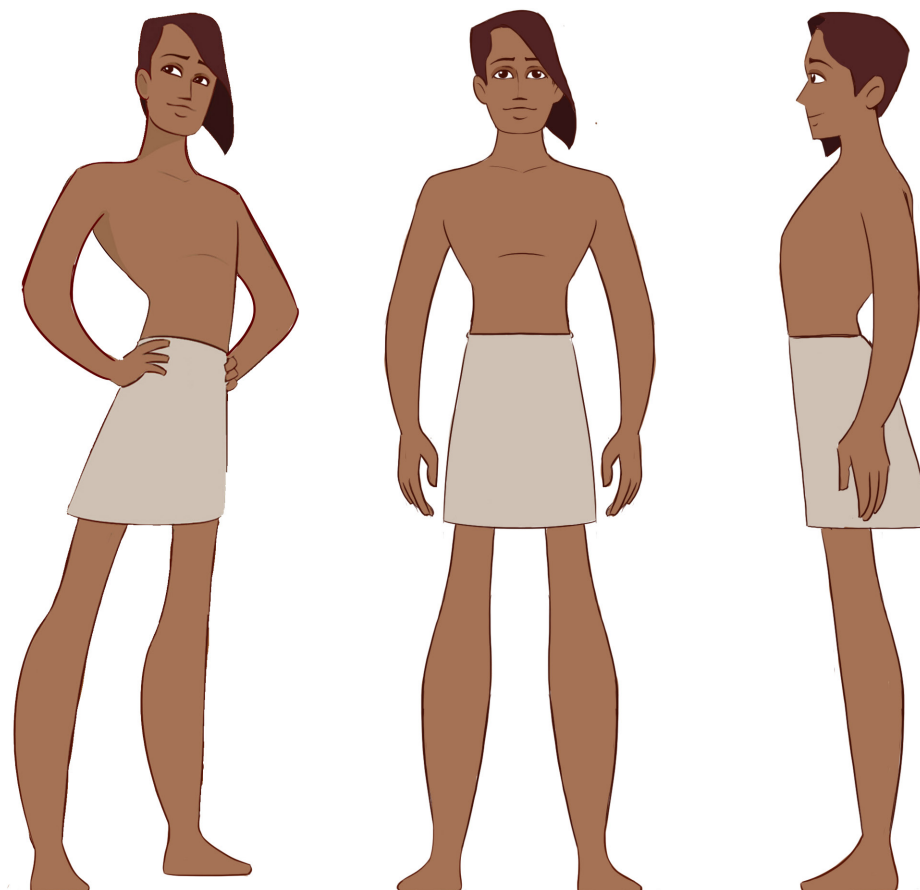


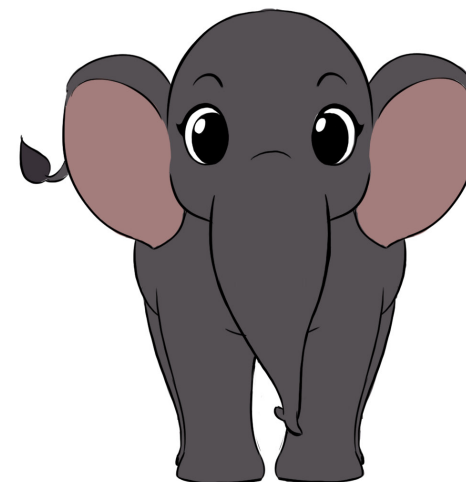
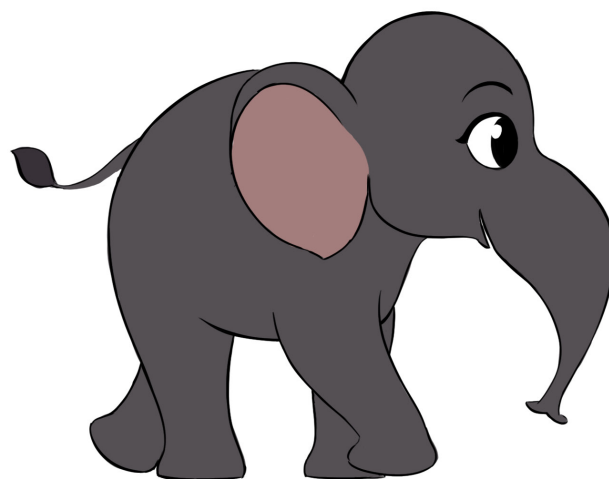
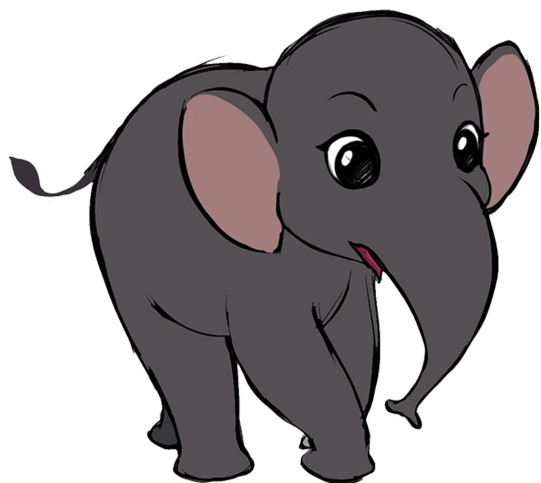


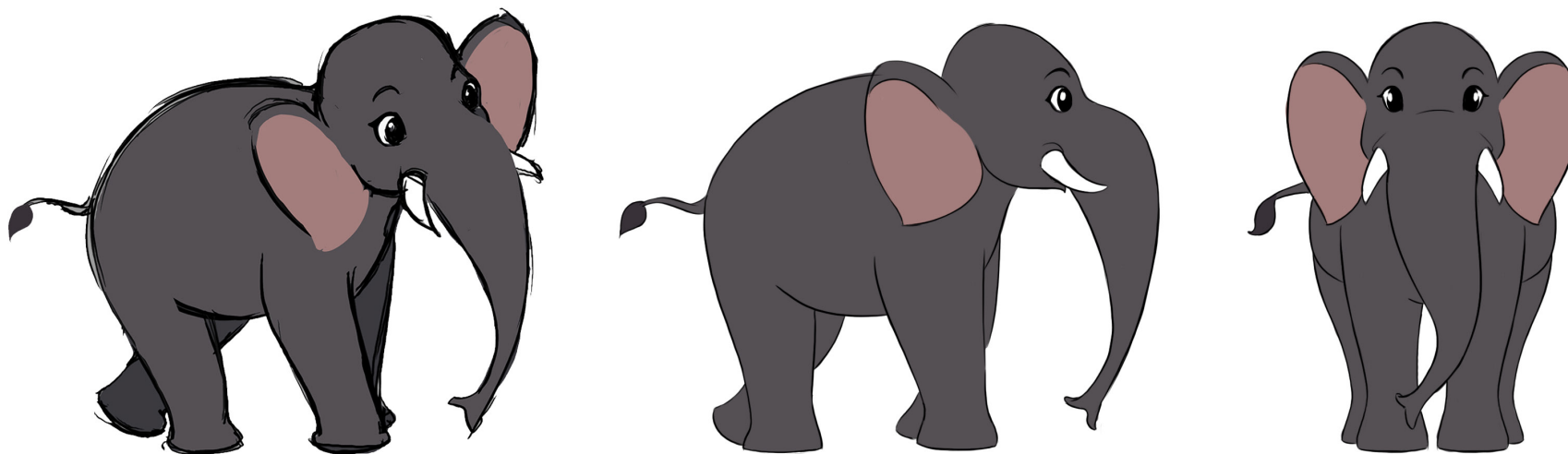
Character Turnaround

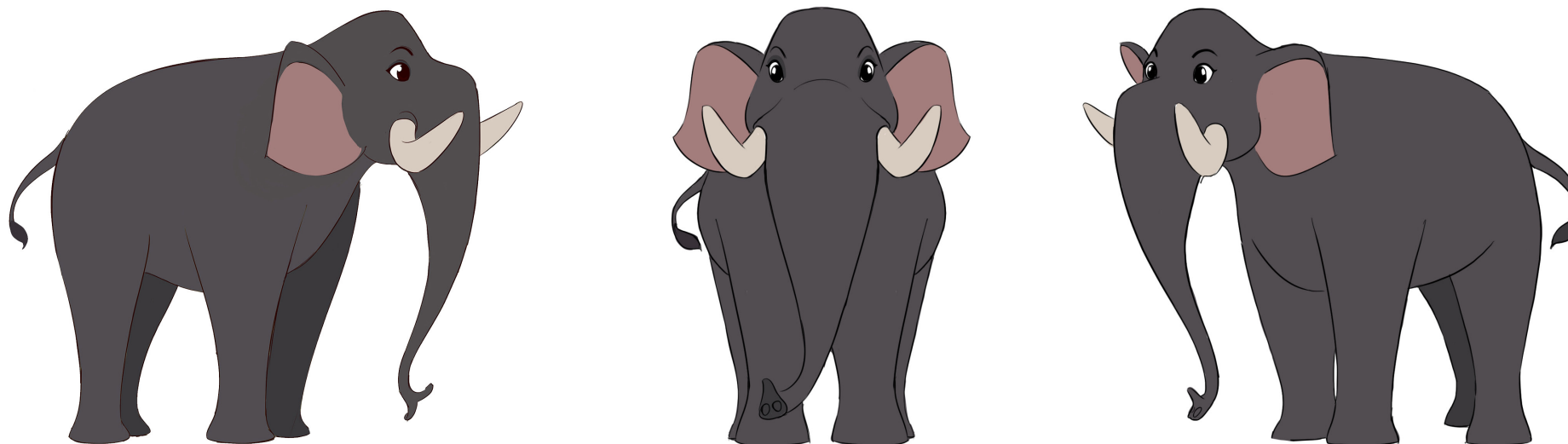






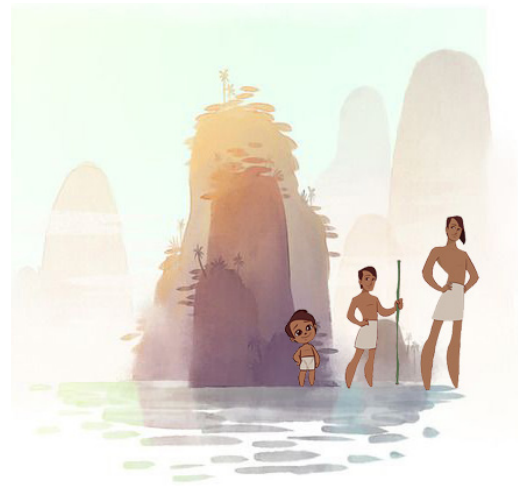
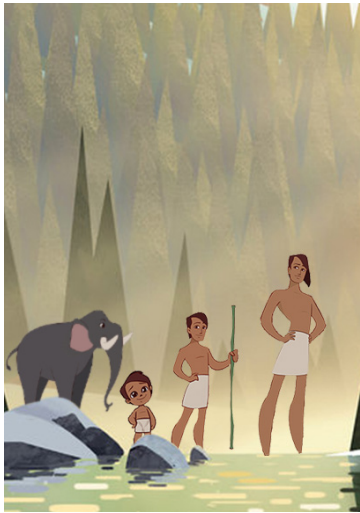








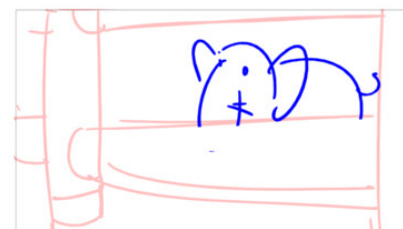
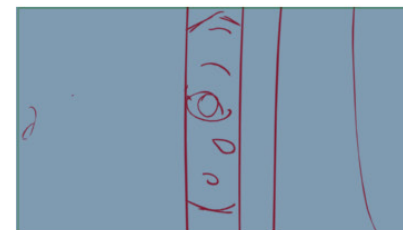
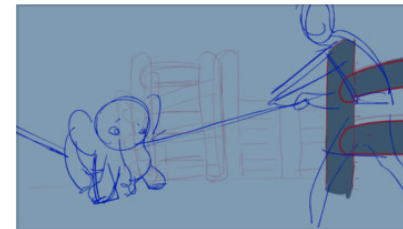
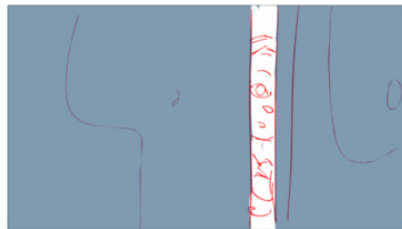
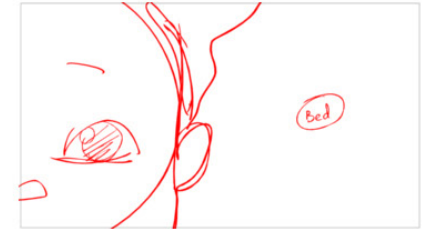
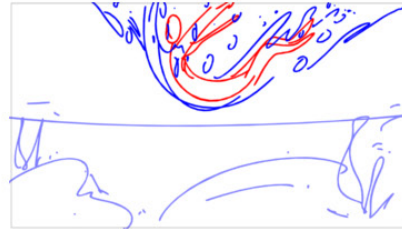
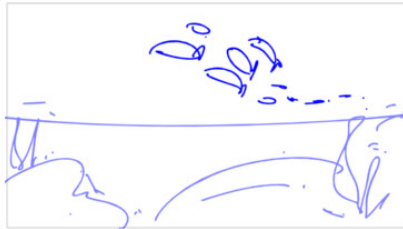
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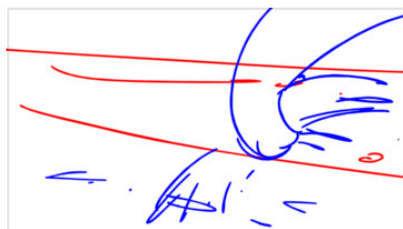
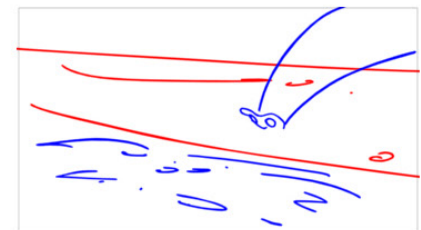
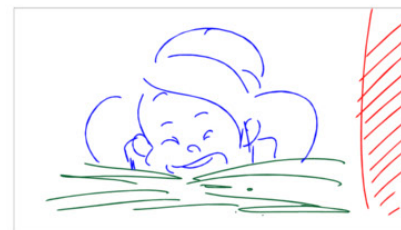
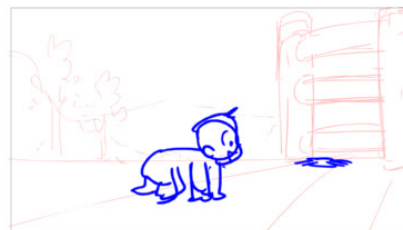
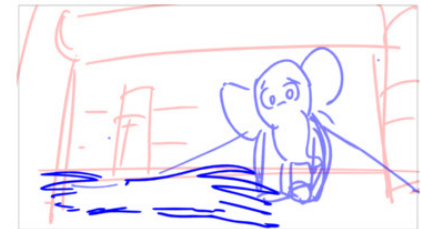
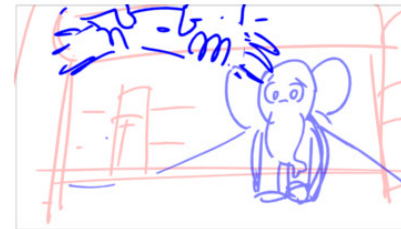
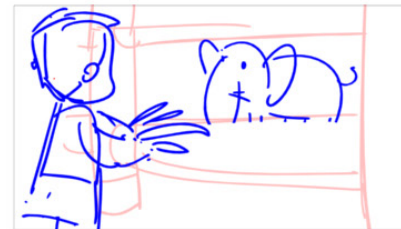
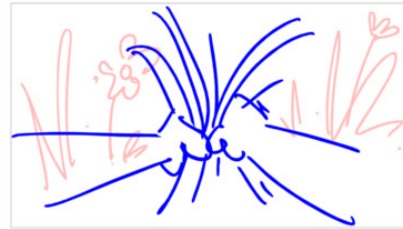
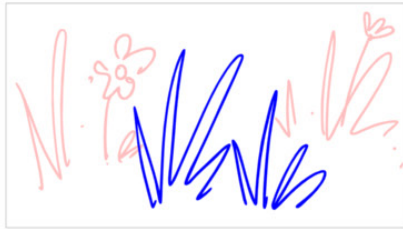




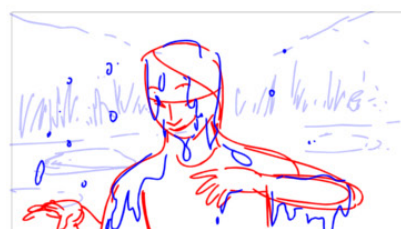
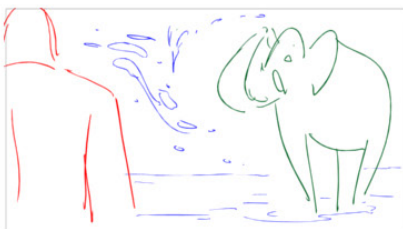
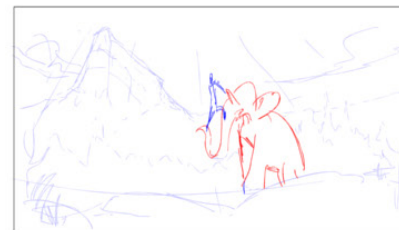
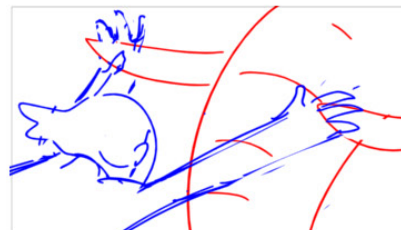
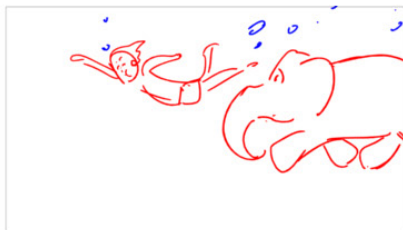
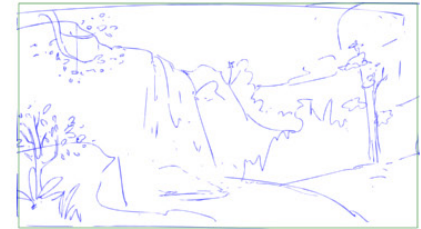
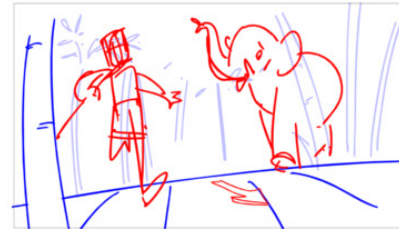
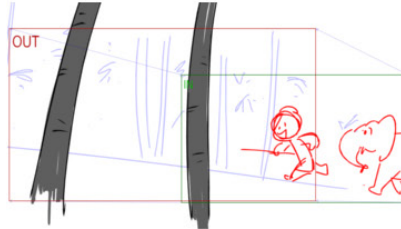
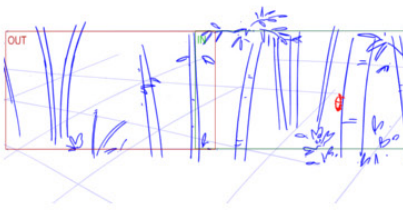
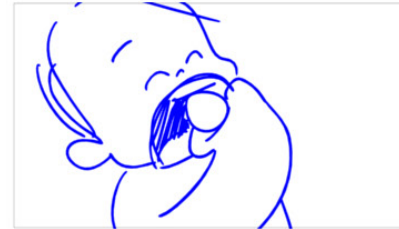
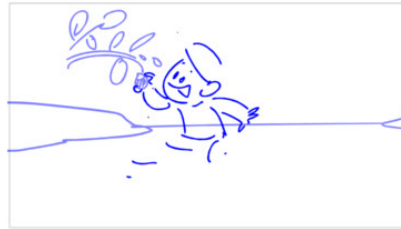
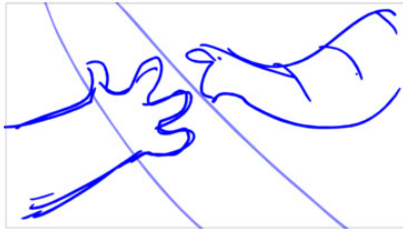
Story-Board



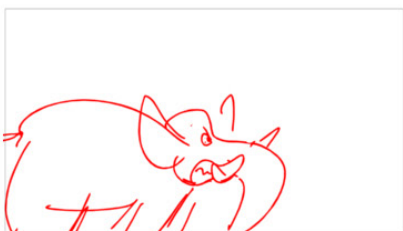
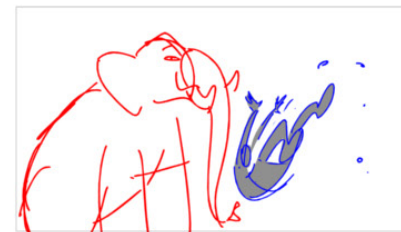
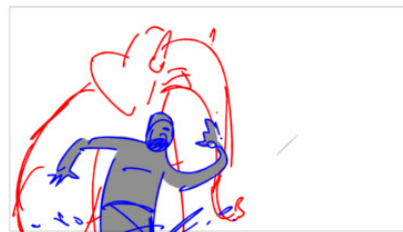
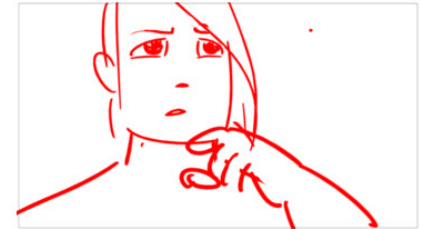
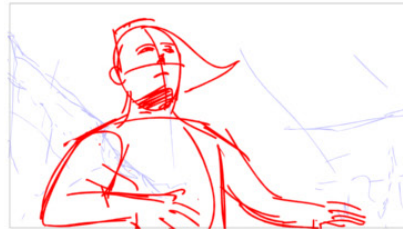
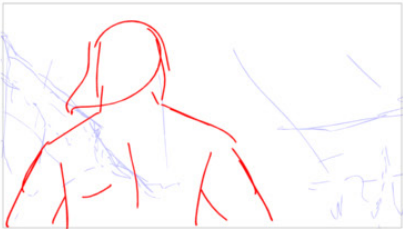
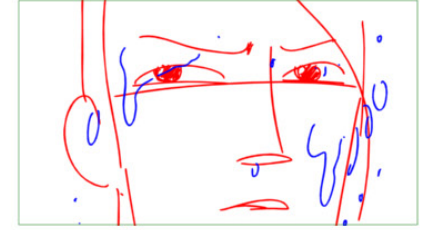
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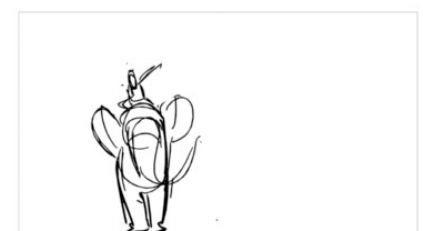
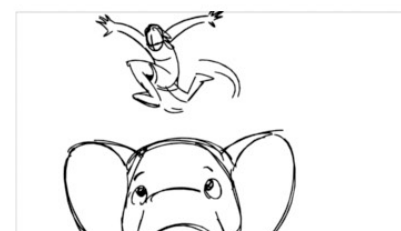
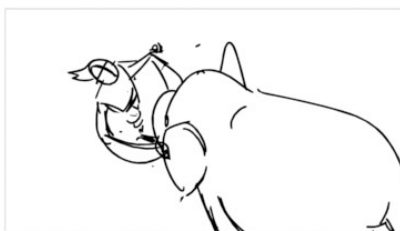
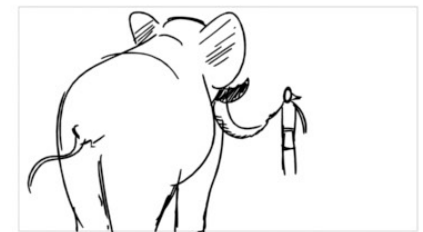
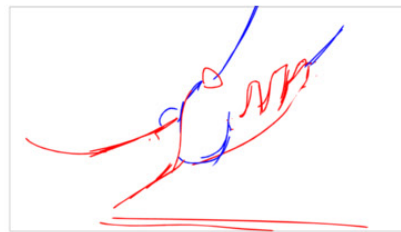
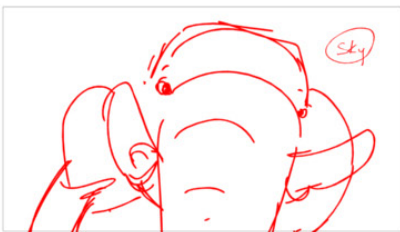
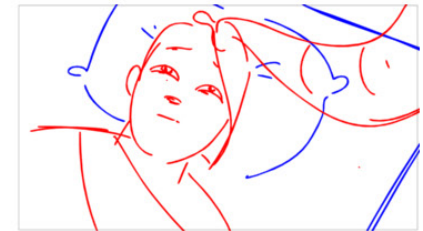
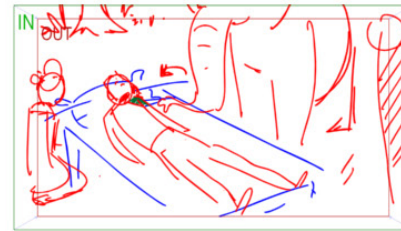
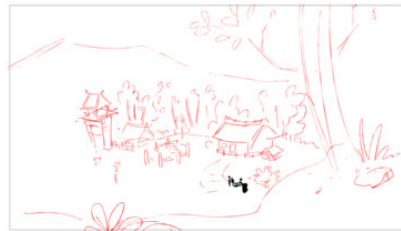
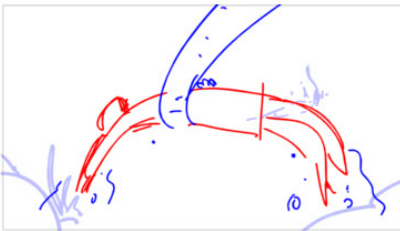
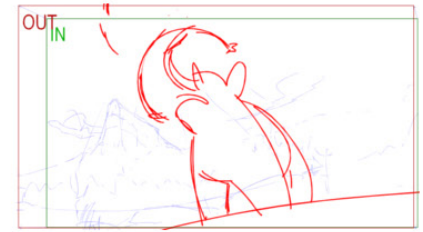
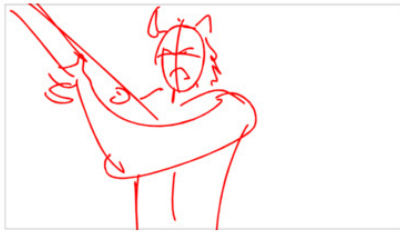
Story-Board



Story-Board



Story-Board



Sound Design

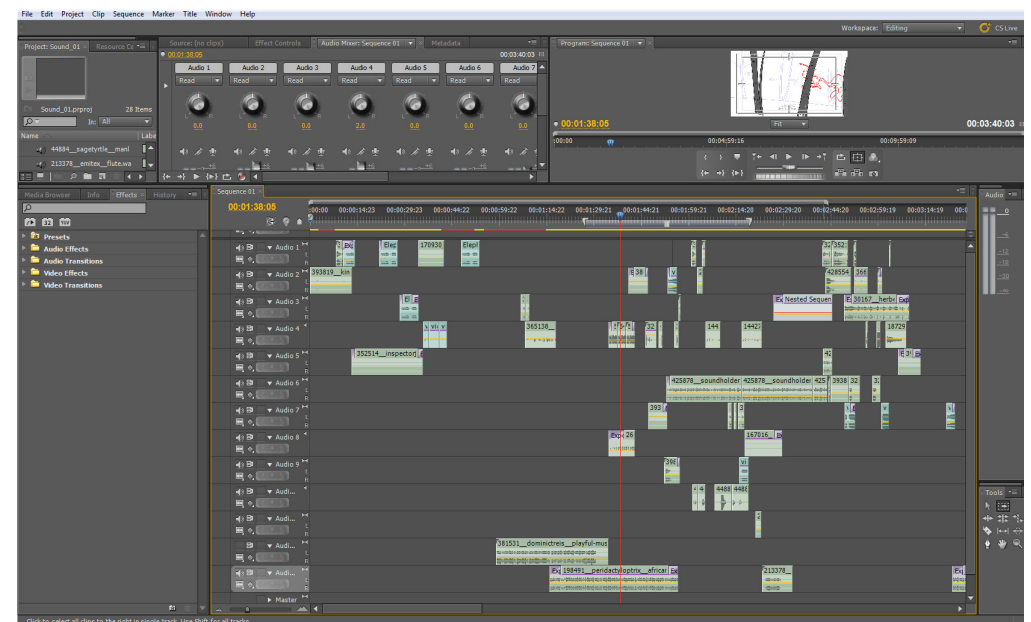
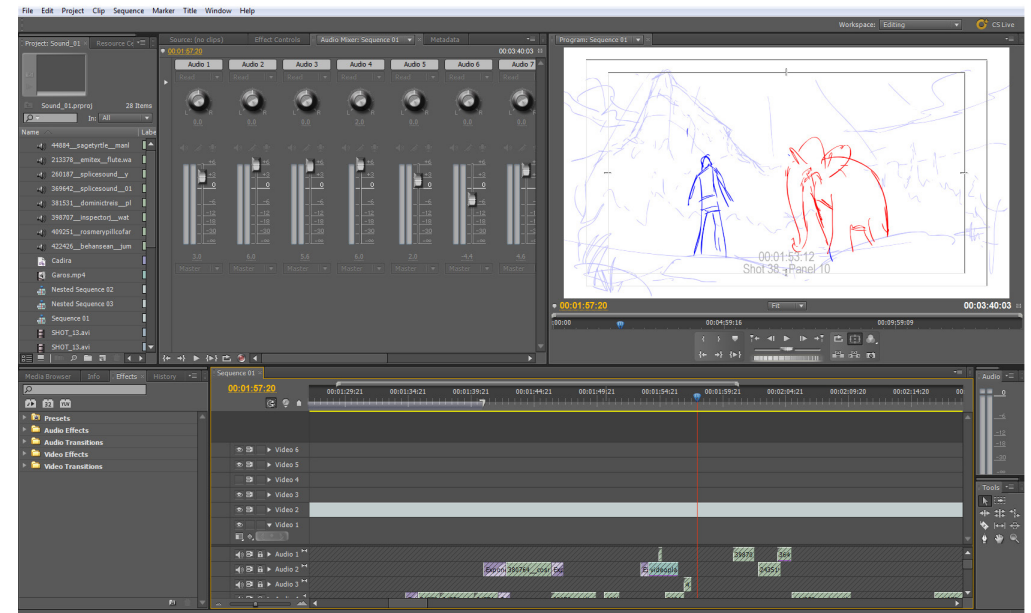
Sound is the most crucial part of animation without it there is no life in the illusion of life.

The action or any act in the part of the film gives a huge impact only with the help of the sound. most of the shots which cant connect with the audience can be made more impact able with the sound. Sound connects the people with the story to a great extent, Even a small bits of sounds can also play a major role in the film.

Since my Character belongs to the tribe “ Garos “ I have taken the traditional drums of them which they usually play during their festivals especially during “Wangala” (Festival of Garo tribe) knowing about such small thing and adding to the film gives a kind of richness.

Every shot has some kind of music always and may not if required. like for example Background music and main voice. maching these two tones is also a huge task and its very important to balance it.

Sound design also clears the time duration of the film, the most important thing is I animate the characters sometimes based on the sound. sound as the ability for action and acting which makes things easier.



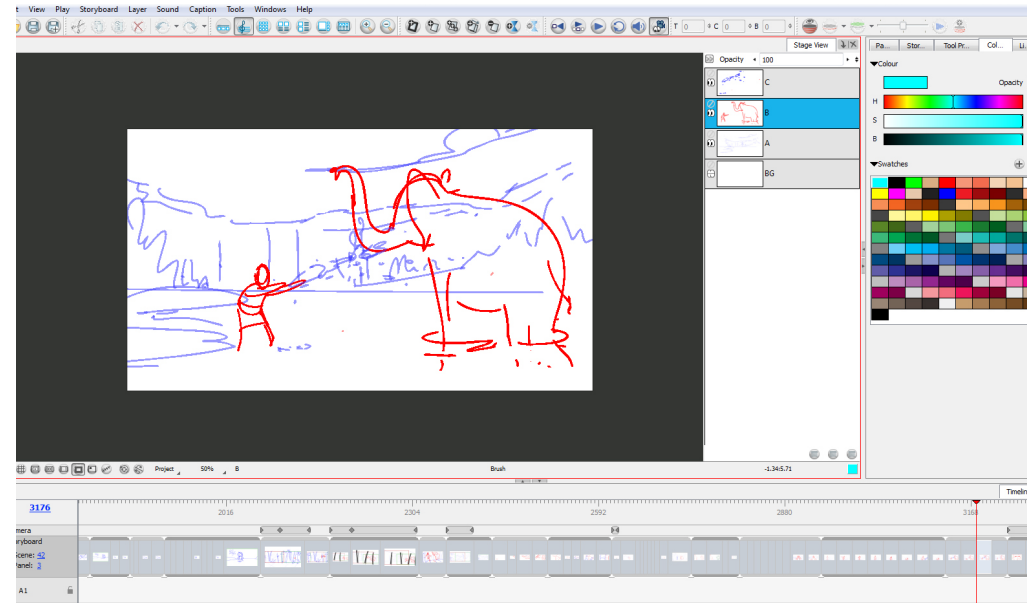
Animatic Development

After final storyboarding, I started with Animatic putting all the pannels on to the time line and adding few frames to understand the flow of the story in motion. Animatic according to me is very core process where i can see the entire film with the time duration and acting not only that but even backgrounds are very important in this stage where I can put the things together and also composing the character in a right way if I have done any mistake in my storyboarding.

Observation

After working on the first draft of animatic, I realised the following drawbacks in the film.

- The shot compositions and camera angles were not properly represented.
- There were few unnecessary shots which are going with the story, so I have deleted the entire sequence.
- I have made five versions of animatics and taken advise from many of my friends during the process.



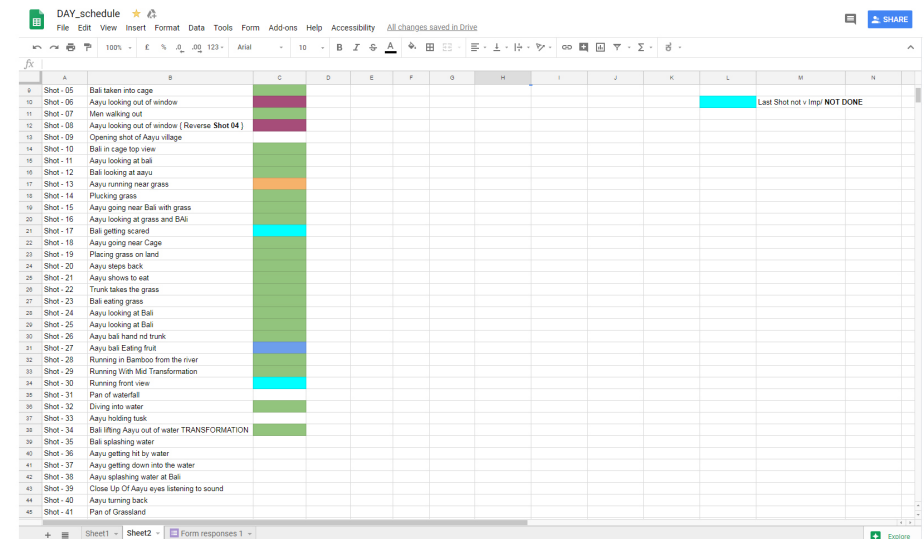
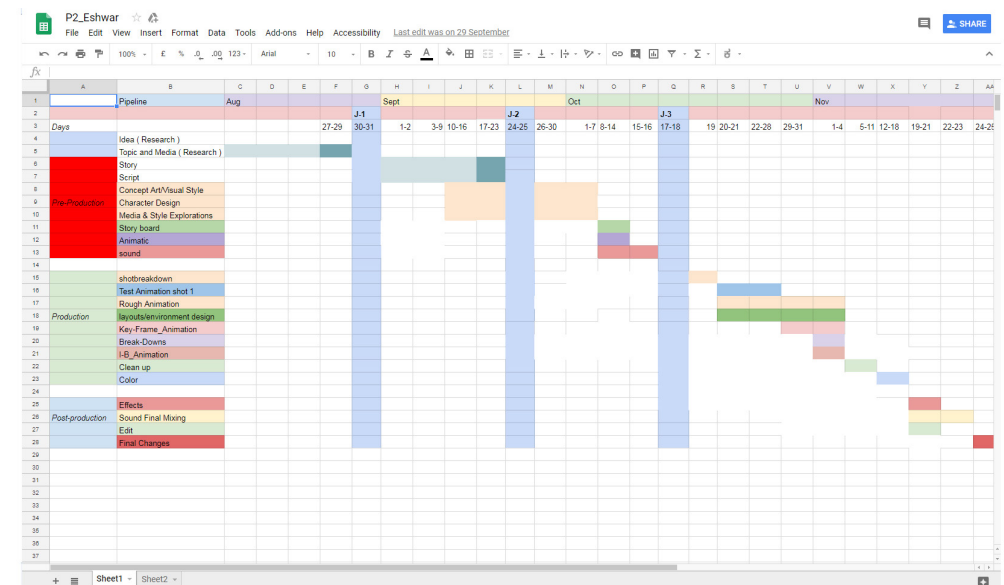
Worksheets

Planning is a very crucial to me without it I feel difficult to handle the things. Making a shot film is first time in my life. I have no idea of make a proper plan which works out for my film but still I have made a rough plan.

Creating or coming up with a proper story was very difficult for me which as taken a lot of time beyond the time limit of my production plan.

I was so disappointed that I couldn't go with the plan because it's very difficult to me to complete the film. so, immediately after the rough conformation of story I started with the pre-production and completed it way before the dead-line of my early plan.

While in the Animation process i had to face many difficulties to get the right output which i needed, i had no much idea about the time taken for the animation for each shot, though I was ahead with the plane with the small shots but it became more delay with complicated shots, which took more time to finish it. So, I made some more plans based on the time taken for animation.



Animation Process

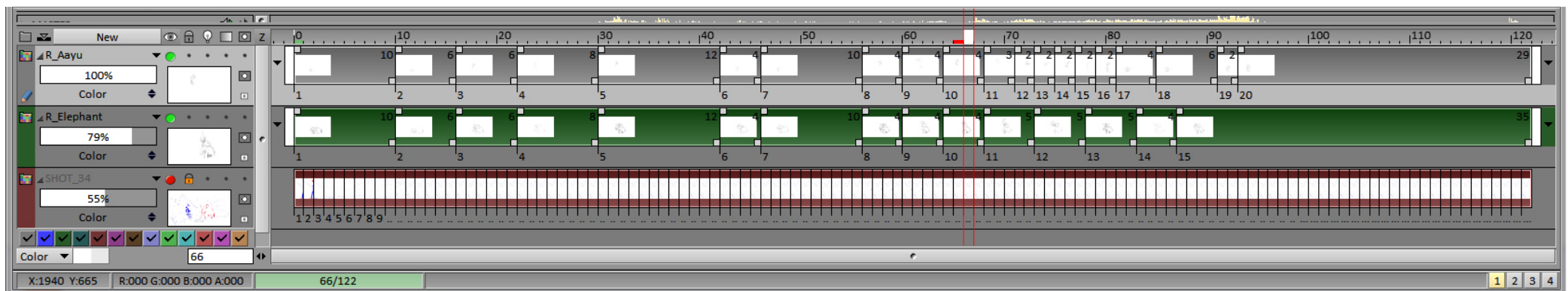
For the final animation I decided to work digitally on software's like TV Paint. I used various types of animation technique like pose to pose or straight ahead based on which makes my work easier.

Learning the software was also is a huge task for me in the limited time. but I am very glad to work on this software which made my work very easier and also gave me a feel that I am animating on papers.

Making out the right keys was very challenging for me and also time taking apart from these adjusting the right timing of animation was another challenge.

Maintaining the right volume of the character was also a huge task.

Since there is a limited time to complete the film, I decided to get the fluid animation only through the main keys and few breakdowns. Though I was willing to finish with low quality but something stopped me. and I was trying to get the right motion as far as I know the technique of animation and covered all the mistakes which I could notice, which made me delay with the initial plan.



Learning and experience

First and foremost I would like to thank all my professor's for giving us an opportunity to make two films. I always had a fear thinking how to create a proper film, nor i got a change to do it in the past. I made many plans to go on but my plan got flop during animation because I couldn't get the right quality what i needed hence I was struggling for the right motion which as taken most of my time. But i am happy that i could get something which made me feel happy about my work and i enjoy making a film. Although I learnt the entire process of animation film making and make more good films in future and i am very sure my project 3 will be more better than my current project.

The entire process of making a film involves contentious day to day work involving in the project, increasing the skills of art and maintaining the time ,overcoming problems and hoping for the final product to be the best. I judge my work every day and asking my friends for their suggestions which made my work more easy and simpler and also made me notice my own mistakes which I haven't notice while doing it. There are many problems arised during the work which enabled me to solve it in different ways.

When I look back to my journey of film making I realized the fact of have enough patients and need a lot of confidence in what ever i am do which will help me to move forward.

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