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REPORT OF THE OFFICER-IN-CHARGE

Prof. E. Kunhiraman Director, MVR Snake Park & Zoo Parassinikkadavu

Dear Readers.



MVR Snake Park & Zoo has successfully completed a year of unique developments in all sectors since its inception in 1982. The administration and work of the centre has been streamlined with whole hearted support of the Kerala Forest Department and Central Zoo Authority. Timely intervention and advice from the above authorities has accorded much confidence in rebuilding the entire system complying the master plan layout approved by the Central Zoo Authority.

Common misconception among public is that zoological parks are places where animals are captured & kept in captivity. Apart from recreation & educating the public about various efforts of conservation, zoos also play the role of breeding endangered species which faces threat of getting extinct in the wild. Zoos also offer an environment for research & monitoring various species.

MVR Snake Park & Zoo, then a mini zoo is now upgraded to Small Category Zoo by CZA considering the overall development, species diversity and wildlife management. Thousands of visitors are reaching over the centre from far & near. The Kannur International Airport and Azhikode Seaport facilitated more acclaim and reachability. Considering the unique experience and expertise, from our sister concern, Pappinisseri Visha Chikilsa Kendra acquired in Herpetology and Snake Bite Treatment, the zoo is planning to prioritize research and developments and advanced studies in the area of Herpetology/ Toxicology and Life Sciences

MVR group of Institutions achieved a milestone this year by starting a new college for Life Science- MVR Institute of Life Science & Research Studies, where research oriented courses in various fields are offered. The unique MSc. Forestry Course in Wildlife Management is the one of its kind offered only in our Institute in Kerala. Its designed in such a way that students could learn by exploring the facilities at Snake Park. The Institute aims to provide an opportunity to the students to learn through human-environment interaction rather than learning through memorization skills in conventional systems.

Covid 19 pandemic has led to a dramatic loss of human life and presents unprecedented challenge. Almost all the sector was heavily shaken by Covid 19 pandemic and so was the MVR Snake Park & Zoo. We are emerging out of the situation and our Institution could conduct many awareness programmes during the financial year 2022-2023. Zoo Ambassadorship Programme for kids, Animal Adoption Schemes are planned to be introduced in the upcoming year. The various activities conducted by our zoo are meant to promote participation of the public in the efforts aimed at conservation of nature & wildlife. These activities enhance the interface with zoo and the budding young generation.

The Snake Park has been upholding the motto "Love Snakes, not to kill them" envisaged by the Founder of this Center, Shri. M. V. Raghavan. The goal of the zoo is to convert it into renowned Reptile Park housing reptiles of the region and rare exotic species.

We are very affirmative that we could achieve the goals by the whole hearted support of dedicated employees, tourists, public and support from higher authorities like Forest Department, Government of Kerala & Central Zoo Authority, Ministry of Environment, Forest & Climate (Government of India).

Prof. E. Kunhiraman Director, MVR Snake Park & Zoo Parassinikkadavu

CEO's Message

Avinash Girija CEO, MVR Snake Park & Zoo Parassinikkadavu



Stories define the character of an entity and lends to its charm, be it an individual or an institution.

In 1964, my grandfather, M.V. Raghavan,a social reformer and visionary par excellence, established the Pappinisseri Visha Chikitsa Kendram, a much needed health centre to provide emergency care to snake bite victims of the North Malabar region, catering especially to the economically vulnerable sections. This was a revolution at that period, an integrated approach providing free and easily accessible healthcare to all. An unforeseen complication arose in the form of a number of snakes brought to the centre for the purpose of identification of bite by victims' guardians, usually brutally mauled or killed.

The challenge then was to treat and rehabilitate the injured snakes, at the same time educating the community. Thus was founded the Parassinikadavu Snake Park under the guidance of Padmasri Romulus Whitaker.

It has been a long journey for a great mission.

As CEO, I took on the responsibility of the renovation project in 2013, a precursory step for obtaining zoo recognition for the existing snake park, yet today I am still renovating, in an attempt to provide these friends in our care, their right to space, habitat and medical support. We have consistently been working towards an eco-friendly drive, both in habitat, enrichment and overall zoo area, promoting sustainable ecological practices among the visitors as well.

Our vision for the next five years include a state of the art veterinary hospital focusing on reptiles and excellent quarantine facilities. Ongoing collaborations to bring in both exotic and endemic species of reptiles will see Parassinikdavu Snake Park and Zoo be a one of its kind comprehensive Reptile Park. As of today, we have one of the biggest enclosures for our most prime inmate i.e. the king cobra, more than 2000sq.ft area, with waterfalls, climate control, research room, etc.

The vision is to let fellow earth inhabitants be, to see them thrive in as natural a habitat that we can provide, while visitors can view them from within cages of our own, and accept our privilege that we may learn better about them in this manner.

Education plays a big role towards this end and its best to start young. We have initiated a project to bust misconceptions regarding snakes and to build empathy towards wildlife among school children at primary and higher levels.

The focus will always be on our responsibilities towards the welfare of the lives in our care, and each project of Parassinikadavu Snake Park and Zoo works towards this aim.

"The only good cage is an empty cage "- Lawrence Anthony"

Avinash Girija

CEO, MVR Snake Park & Zoo

Parassinikkadavu

Founder of the Zoo



M.V. Raghavan (1933-2014)

The Parassinikkadavu Snake Park was established by Social activists lead by Hon. Ex-minister of state,

M.V. Raghavan on January 8th, 1982. The snake park is an offshoot of Pappinisseri 'Visha Chikitsa Kendra' intended for Snake bite treatments which was established in the year 1964.

History of the Zoo

The Parassinikkadavu Snake Park was established by Social activists lead by Hon. Ex-minister of state, M.V. Raghavan on January 8th, 1982 at the site purchased from Kerala Government. This snake park is an offshoot of Pappinisseri 'Visha Chikitsa Kendra' intended for Snake bite treatments.

The Pappinisseri snake bite treatment centre was established in the year 1964. This is a centre for curing patients of snake bite using the combination of Ayurvedic, Allopathic and Traditional practices. It was guite common that people bringing the victims of snake bites used to carry the snakes also, as alive, killed or hurt in many cases. Such snakes played a vital role in treatment since the treatment for snake bite differed for Vipers, Cobras, and Kraits. It was easy for the physicians to provide immediate treatment once the snake is identified and the symptoms are tallying with the particular species of snake. The abundance in number of such captive snakes was a practical problem for the founders of the snake bite treatment centre. They got inspiration from Sri. Romulus Whitaker, the famous conservationist and Herpetologist who was instrumental for the establishment of Snake Park and Crocodile Park in Chennai. Providing a practical opportunity to create awareness about the ecological significance of Snakes was the biggest motivation for Social activists of this region for establishing this Park. More than 40 lakh people visited this Park during the last decade. This park has turned out to be significant education centre for students and general public for last 34 years. This has found a major place in the tourist map of Kerala also. The nearest Zoos in this region are located in Mangalore and Trichur. Almost seventy lakh people of the Malabar Region are to be satisfied with this zoo to see a few wild animal species, apart from Protected Areas.

VISION

- Transform the Snake Park to a comprehensive Reptile Park.
- · Conservation of Snake species and developing a breeding policy for snakes in captivity

MISSION

- To mitigate the fear and hatred towards the snakes and other wild animals and to instigate love and compassion towards such animals.
- To provide a congenial environment for rescue and conservation of wild animals and to create a forum for holistic approach in the field of nature conservation.
- To develop Herpetology Institute and Wildlife Institute for awareness programme championing the need of wildlife protection and to create a knowledge centre for conservation efforts.

OBJECTIVES

- · Public education and creating awareness about wildlife conservation.
- · Captive breeding of endangered reptiles for conservation.
- · Research and Developments

ABOUT US

Basic Information about the Zoo

Name of the Zoo: MVR Snake Park and Zoo

Year of Establishment: 1982

Address of the Zoo : MVR Snake Park and Zoo

Parassinikkadavu – Mayyil road, Dharmasala, Kannur – 670563

State: Kerala

Mobile: 9744611024, 9400399000

Phone: 0497-2780738

E-mail address: mail@thesnakepark.com
Website: www.thesnakepark.com

Distance from nearest: Airport: 31 km

Railway Station: 16.7 km

Bus Stand: 17.1 km

Recognition Valid up to: August 2022

Category of zoo: Small Zoo

Area (in Hectares): 0.993698 (2.455 Acres)

Number of Visitors (Financial Year):
Adult: 4,28,902
Children: 1,58,704
Total visitors: 5,87,606

Visitors' Facilities Available in Zoo:

Wheelchair for Physically challenged

Children's Park
Lavatory Complex
Drinking water facility

Kiosks (6)

Weekly Closure Day of the Zoo : Wednesday

Management Personnel of the zoo

Chief Executive Officer: Mr. Avinash Girija
Veterinary Officer: Dr. Anju Mohan S.
Chief Supervisor: Mr. Sudhakaran T. V
Curator: Ms. Divya Dinesan
H.R. Manager: Mrs. Bindhu M. K.

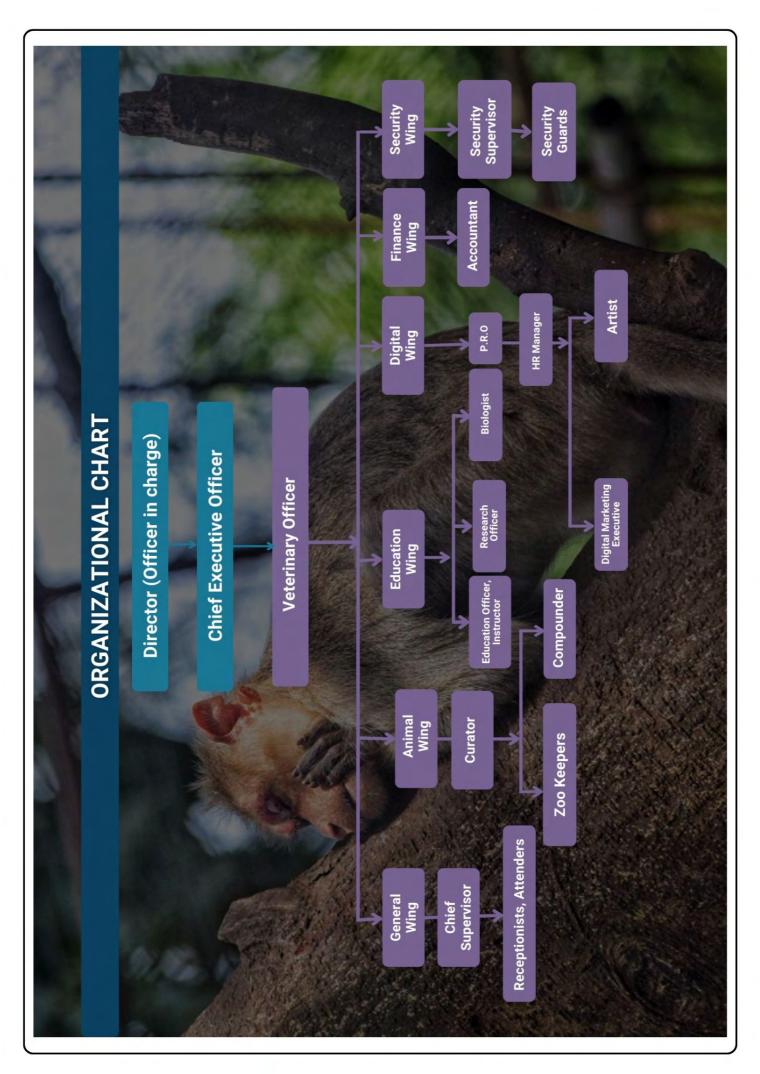
Owner / Operator of the Zoo

Name of the Operator : Prof. E. Kunhiraman , Director Address of the Operator : MVR Snake Park and Zoo

Parassinikkadavu – Mayyil road, Dharmasala, Kannur – 670563

Contact details/Phone number of Operator: Mob: +91 9447770098

E-mail address of Operator: mail@thesnakepark.com



HUMAN RESOURCES

Designation	Designation Number of Sanctioned Posts	Names of the incumbent	
Director	1	Prof. E. Kunhiraman	
Chief Executive Officer	1	Mr. Avinash Girija	
Veterinary Officer	1	Dr. Anju Mohan S.	
H.R. Manager	1	Mrs. Bindu M.K.	
Chief Supervisor	1	Mr. Sudhakaran T.V.	
Curator	1	Ms. Divya Dinesan	
Biologist	1	Mr. Unnikrishnan P V	
Zoo Education Officer	1	Mrs. Anusree Pradeepan	
Zoo Research Officer	1	Ms. Shireen Sithara A.	
Zoo Instructor	1	Mr. Riyaz M.	
P.R.O	1	Dr Kavitha C K	
Digital Marketing Executive	1	Mr. Nimesh P	
Artist	1	Mrs. Namitha .M	

HUMAN RESOURCES

Designation	Designation Number of Sanctioned Posts	Names of the incumbent	
Zoo Keepers	4	Mr. Sajeevan O. Mr. Santhosh P.V. Mr. Jayesh A.J. Mr. Prakashan P.V	
Compounder	1	Mr. Sayanth A.	
Accountant	1	Mrs. Aswathy K.	
Receptionist	2	Mrs. Pradeepa K.V. Mrs. Sithara	
Attenders	10	Mrs. Sanidha K., Mrs. Sheeba P.V. Mrs. Preetha P, Mrs Sruthi P.O, Mrs. Sindhu C.V,Mrs. Bindhu T, Mrs. Sreeja V. Mrs. Beena M.P, Mrs. Leela K. Mrs. Usha	
Security Supervisor	1	Mr. Dinesan K.	
Security	2	Mr. Bhavadasan E, Mr. Rajan C.	

CAPACITY BUILDING OF ZOO PERSONNEL

Name and designation of the zoo personnel	Subject matter of Training	Period of Training	Name of the Place where the Training attended	Organizer of the programme
Ms. Shireen Sithara A (Research Officer)	National Herpetology Workshop	3 Days	Kerala Forest Research Institute, Peechi	Aranyakam Nature Foundation and KSCSTE Kerala Forest Research Institute
Dr. Anju Mohan S. (Veterinary Officer)	Basics in Herpetology- Certificate Course	3 month (July-Oct 2022)	Field cum Online Hybrid Course	BNHS, Mumbai
Mr. Sajeevan O., Mr. Sayanth A., Mr. Santhosh P.V., Mr. Jayesh A. J. (Zoo Keepers)	Mr. Sayanth A., r. Santhosh P.V., Mr. Jayesh A. J. Dog Catcher Training Programme		LMTC, Kannur.	Kerala Animal Husbandry Department, Kannur District.
Mr. Unnikrishanan P. V. (Biologist) & Mr. Nimesh P. (Digital Marketing Executive)	Capacity Building Workshop for Zoo Biologists	3 days (23rd to 25th Novem- ber 2022)	Nehru Zoological Park, Hyderabad, Telangana State.	Central Zoo Authority in association with Nehru Zoological Park,Hyderabad.
Mrs. Divya Dinesan, Curator Workshop for Zoo Education Officers.		(3 days) 15th – 17th February 2023	Veermata Jijabai Bhosale Udyan & Zoo, Mumbai, Maharashtra	Central Zoo Authority in association with Veermata Jijabai Bhosale Udyan & Zoo, Mumbai
Mr. Jayesh A. J. (Zoo Keeper) Regional Capacity Enhancement Workshop for Zookeepers of the Southern region.		3 day (27-02-2023 To 01-03-2023)	Biological	Central Zoo Authority in association with Banner-ghatta Biological Park.

ZOO ADVISORY COMMITTEE

Date of constitution: 10th Jan, 2022

Members

- 1. P. Mukundan (Muncipal Chairman, Anthoor Muncipality)
- 2. Dr. Ahmed Ziya Mehtah (Veterinary Surgeon)
- 3. Prof. E. Kunhiraman (Director, MVR Snake Park and Zoo)
- 4. Avinash Girija (CEO, MVR Snake Park and Zoo)
- 5. Dr. Anju Mohan S. (Veterinary Officer, MVR Snake Park and Zoo)
- 6. Dr. Muraleedharan A.K. (Principal, MVR Ayurveda Medical College, Parassinikkadavu)
- 7. Dr. Krishnakumar T. S. (HOD,Dept. of Agadhathanthra, MVR Ayurveda Medical College, Parassinikkadavu)

Dates on which Meetings held during the year:

26th January 2022

16th May 2022

10th October 2022

ZOO HEALTH ADVISORY COMMITTEE

Date of constitution: 26th Jan 2022

Members:

- 1. P. Mukundan (Municipal Chairperson)
- 2. Dr. Ahmed Ziya Mehtah (Veterinary Surgeon)
- 3. Prof. E. Kunhiraman (Director, MVR Snake Park and Zoo)
- 4. Avinash Girija (CEO, MVR Park Snake and Zoo)
- 5. Dr. Anju Mohan S, (Veterinary Officer, MVR Snake Park and Zoo)
- 6. Dr.Kavitha (PRO, MVR Ayurveda Medical College, Parassinikkadavu)
- 7. Dr. Mukundan K.V. (M.D, Co-operative Hospital, Taliparamba

Dates on which Meetings held during the year:

- 26th January 2022
- 16th May 2022
- 10th October 2022

Ex Officio

STATEMENT OF INCOME AND EXPENDITURE OF THE ZOO

Total Income (₹): 22,831,070.00 /-

Total Expenditure (₹): 20,353,019.00 /-

Net Profit (₹): 2,478,051.00 /-

DAILY FEED SCHEDULE OF ANIMALS

Sl.No	Species		Feed item	Quantity (grams / individual)	Frequency		
1	Jungle Cat		Chicken Meat 300		Daily		
2 A .: D.1 G:-4		Chicken Meat		300	D 1		
2	2 Asian Palm Civet		Banana	2 number	Daily		
		Cucumber		200			
		Banana		200			
		Carrot		150			
3	Indian Crested		Cabbage	150	Daily		
	Porcupine		Tomato	150			
			Tapioca	150			
			Beef bones	100			
			Banana	150			
			Boiled rice	75			
			Tomato	175			
4	Bonnet Macaque*		re (el)	Egg	6 Number	Daily	
		Mixture (For alel)	Bread	1 Pack			
	M F	Milk	1.5 Liters				
			Plantain	150			
		Cabbage		100			
_		Cucumber		600	Daily		
5	Indian Peafowl*	Rice		1000			
			Gram	250			
		Spinach		50			
			Plantain	150			
			Cabbage	100			
			Cucumber	600	Daily		
6 Emu*	Emu*		Spinach	150			
			Onion	50			
		Boiled rice	500				
			Plantain	50			
7 Silver			Cabbage	20			
			Cucumber	100			
	Silver Pheasant*	Rice		100	Daily		
		Gram		50			
			Spinach	20			

DAILY FEED SCHEDULE OF ANIMALS

Sl.No	Species	Feed item	Quantity (grams / individual)	Frequency
8	White Necked Stork	Chicken meat / Fish	200 Daily	
11	Barn Owl	Chicken meat / Fish	200	Daily
12	Brown Fish Owl	Chicken meat / Fish	200	Daily
13	Black Kite	Chicken meat / Fish	200	Daily
14	Brahminy Kite	Chicken meat / Fish	200	Daily
15	Marsh Crocodile	Chicken meat / Fish	400	Daily
16	Bengal Monitor	Chicken meat	250 Da	
17	Indian Black Turtle	Chicken meat	25 Da	
18	Red Eared Slider	Chicken meat	25	Daily
19	Travancore Tortoise	Cucumber	200	Daily
20	Snakes	Pinkies, Mice, Rat, Day- old-chicks, Chicken, Geckos, Frogs	As per requirement	Weekly once

^{*} Provided with seasonal fruits

VACCINATION SCHEDULE OF ANIMAL

SL No	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity
1	Jungle Cat	Rabies	Raksharab	Annually
2	Silver Pheasant	New castle	New castle disease Vaccine	Annually

DE-WORMING SCHEDULE OF ANIMALS

SL No	Species	Drug used	Month
1	Primates	Albendazole Fenbendazole	December, June
2	Felidae (Jungle cats)	Albendazole Fenbendazole	October, April
3	All Birds	Albendazole Fenbendazole	September, March
4	All reptiles	Albendazole Fenbendazole	October, April

DISINFECTION SCHEDULE

SL.No	Species and Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	Applicable to all enclosures	Kohrsolin According to the product information	Fortnightly
2		Potassium permanganate Foot dips are installed in some enclosures and construction work is in progress for remaining enclosures	Daily
3		Sokrena Dose @1ml / 50litre	Monthly
4		Fumigation Potassium Permanganate & Formaldehyde	Monthly

HEALTH CHECK-UP OF EMPLOYEES FORZOONOTIC DISEASES

General test :	Blood pressure Body Mass Index (BMI)	
Complete Haemogram :	Haemoglobin TLC DLC Neutrophils, Eosinophils, Basophils, Lymphocytes, Monocytes, ESR RBC PCV MCV MCH MCHC Red cell distribution Platelet counts	
Biochemical parameters :	Random Blood Sugar (Plasma)	
Lipid test :	Total Cholesterol	
Zoonotic disease screening :	Brucellosis: - Brucella Ig Test Tuberculosis: - Mycobacterium microscopy Sputum (AFB)	

DEVELOPMENT WORKS CARRIED OUT IN THE ZOO (2022-23)

- Enrichment of the enclosures to provide a natural habitat to the animals.
- Additional facility to accommodate emu hatchlings in the main enclosure.
- Installed Temperature- Humidity Sensors in Snake Enclosures.



Zoo Crew Study Tour:

MVR Snake Park & Zoo crew visited Sri Chamarajendra Zoological Gardens, Mysore as a Study tour on May 12th 2022. The visit gave all the staffs to learn more on how the zoo functions, its activities and to see a variety of species. The crew interacted with the staffs there. The trip was very informative and the one which increases the productivity of our staffs.

WORLD ENVIRONMENT DAY CELEBRATION

MVR Snake Park & Zoo observed 'World Environment Day' in a wide manner. Along with Y's Men International District-V, Snake Park observed the day by inaugurating Star Forest & Butterfly Park. The function conducted at Zoo Amphitheatre was inaugurated by Assistant Superintendent of Police, Shri. Prinze Abraham IPS. He made us remember about the need to conserve nature. Snake Park distributed saplings to the visitors. Prof. E. Kunhiraman, Director, MVR Snake Park & Zoo presided the function. Shri. Adv. M. K. Venugopal, Convenor, Y's Men International District V, delivered Key Note Address. Retired Range Forest Officer, Shri. M. P. Prabhakaran cleared the concept 'One Earth'. The best farmer award recipient, Shri. Bhargavan, Y's men club members and office bearers Shri. Ravikumar, Shri. Vinod felicitated in the function. The gathering were welcomed by Veterinary Officer Dr. Anju Mohan S., and Biologist Mr. Unnikrishnan delivered Vote of Thanks.









Awareness classes for differently bled students from Karunya Theeram





WORLD SNAKE DAY CELEBRATION - July 16, 2022



MVR Snake Park and Zoo, Parassinikkadavu, celebrated World snake Day on July 16, 2022, utilizing the occasion to spread awareness on the need of conserving snakes and to clarify myths and misconceptions regarding them. Students from Keyi Sahib Training College, Taliparamba, attended and actively participated in the awareness classes conducted. Sri. Ajith K. Raman, Assistant Conservator of Forests, Northern Cirlce, Kannur, inaugurated the function, reminding the students of the role of snakes in the ecosystem, which was followed by launching of Snake Park Virtual tour.











Dr. Ashraf T.P., Principal of Keyi Sahib Training College and Member Syndicate of Kannur University, the Chief Guest of the event, distributed prizes of ISL Football Prediction Contest conducted online by the Park. The Zoo Director, Prof. E. Kunhiraman presided over the function. The Park also took this opportunity to honour licensed Snake Rescuer Smt. M. Usha Purathur, as a motivation to women to get into the field of Snake Rescue. The students were curious to learn the experiences and story of Smt. Usha as a lady snake rescuer.Sri. Ratheesan P., Range Forest Officer, Taliparamba, Kannur, offered felicitation followed by an interactive session on 'Conservation of Urban Wildlife' by Wildlife Conservationist, Sri.Vijay Neelakantan. The session stressed on the need of protecting the animals, especially snakes, seen around settlements in urban area. Later, Ms. Shireen Sithara, Zoo Research Officer gave a talk on 'Snakes of Kerala' followed by a small quiz on snakes. Certificates were distributed to all students for their active participation.

CHEETAH REINTRODUCTION PROJECT, INDIA - 17TH SEPTEMBER 2022









MVR Snake Park & Zoo, celebrated 'Re-Introduction of Cheetah in India' on September 17th 2022. Cheetahs are the only large carnivore that got completely wiped out from India nearly seven decades before due to human conflict, over hunting and habitat loss. On the occasion of reintroducing Cheetahs from Namibia, MVR Snake Park & Zoo, Parassinikkadavu conducted "I'M BACK" Quiz programme to create awareness among the visitors. The Quiz about the big cats with special emphasis on 'Cheetah' was a grand success with wide participation from the visitors.





An awareness class about the 'Cheetahs' were also conducted for the visitors. Kids were curious to learn about Cheetahs, one of the large cats. The live models of cheetahs in Parassinikkadavu Snake Park were new to the visitors. Prof. E. Kunhiraman, Director, M.V. R. Snake Park & Zoo, Parassinikkadavu inaugurated the function. He stressed on the need of protecting the habitat and ecosystem in his inaugural speech.

INTERNATIONAL SNAKEBITE AWARENESS DAY-2022





Snake bite is a major public health issue but a hugely neglected problem and continues to affect millions of people with death and disability. To emphasize on awareness and actions needed to tackle the burden of snake bite, from 2018 onwards, 'International Snake Bite Awareness Day' is observed. 150 students of Kadamberi Government UP School attended the awareness classes conducted by MVR Snake Park & Zoo.Prof. E. Kunhiraman, Director, MVR Snake Park & Zoo inaugurated the function reminding the students the role of snakes in ecosystem. Kadamberi UP School Head master Mr. Ashiq T. offered felicitation. Snake Park Curator Ms. Divya Dinesan and Instructor Mr. Riyas Mangad lead the sessions on 'Snakes and Snake Bite Treatment'. Snake Park Veterinary Officer Dr. Anju Mohan handled the special session on 'Rabies' which is of relevance as Kerala witness massive increase in rabies cases. She stressed on the importance of 'Vaccinating and Taking license for the pet animals'. The students curiously interacted in the session.

WORLD RABIES DAY 28TH SEPTEMBER 2022



Rabies day awareness class for Parassinikkadavu School students.

2nd to 8th October 2022 - Wild life week celebration





Since 1952 India is celebrating wildlife week on every October 2nd to 8th to create awareness among the people about the importance of wildlife. As part of this year wildlife week celebration MVR Snake Park & Zoo Parassinikkadavu has conducted a Zoo Animal Photo Contest "Snapzoot 2k22" for the general public. The best photograph with a good Caption will be awarded with exciting prizes. There are many entries so far. And we are waiting for some more entries too. On October 7th A treasure hunt which is helpful to know more about our inmates and also to be aware about various protected areas of Kerala has been conducted. The students and teachers of Naniyoor Nambram Hindu ALP School were the participants. After a long time the exposure to the ambience of zoo were actually a pleasant experience for the students. And also there was a session on "Snakes and Snake bite treatment" which was handled by Zoo Instructor Mr. Riyaz Managad & Zoo Curator Ms. Divya Dinesan. During the present scenario of increasing number of stray dogs & rabies cases Zoo Veterinary Officer Dr. Anju Mohan S conducted an awareness class on the topic "Rabies All You Need to Know". It was an opportunity too, to the students to reveal their talents by singing, dancing, public speaking. Zoo director Prof: E Kunhirman inaugurated the programme where as School Head Mistress Mrs. Preetha was felicitated the Function.





2nd to 8th October 2022 - Wild life week celebration









The last day of the celebration that is on October 8th the NSS volunteers of KPRGS GHSS Kalliasseri and the School NSS Coordinator Mrs. Rema were the Participants. A collage making competition was organized for the students on the theme "Human beings & Wildlife". And the best collage were given exciting prizes. The collages were exhibited at the awareness zone for the general public. Kannur University NSS Coordinator Dr. T P Nafeesa Baby was the chief guest.

CUADRO CV JANAKI AMMA GOLD MEDAL

November 14th – Children's day celebration International Painting Conclave for children.



Apart from excelling in academics, it is important for students to focus on soft skills like drawing, painting, sketching etc.... By conducting a unique "International Painting Conclave-CUADRO", MVR Snake Park & Zoo aimed to nurture children's creativity and identify their hopes and dreams. Painting is a good platform for children to self-express & it reveals their true imagination. Snake Park conducted "CVJanaki Amma Gold Medal International Painting Conclave-CUADRO" on Children's Day – Nov. 14th, the most appropriate day for revealing the talents of children. The competition was conducted in two categories: Category One (Lilliputs: 6 yr to 9 yr) & Brobdingnagians (10 yr- 12 yr) named after the classic novel "Gulliver's Travels" by Jonathan Swift. The programme was conducted in both online & offline modes. A total of 110 kids participated in the Lilliput category and 64 in the second category. Online participation was 25. Live monitoring of the online session was also done. While the first category contestants drew any picture of their interests in crayons & oil pastels,









the second category students drew on the topic "Zoo: In your perspective". The programme was inaugurated by Shri. Karthick P. IFS, Divisional Forest Officer, Kannur Division by lighting the lamp. He discussed the importance of encouraging co-curricular activities in children along with studies and training them to be compassionate to other fellow beings. The keynote address was given by the famous artist Shri. Ebi N. Joseph. He expressed his view that the Painting Competitions should be avoided & in lieu of conducting Painting Workshops are to be encouraged to train drawing little kids. He suggested that an Art Teacher could act as a catalyst. The artists Vargheese Kalathil & Shri. Saleesh Cherupuzha was the judge for sorting the best 25 in each category. The kids portrayed beautifully the zoo on their canvas. Complimentary prizes were given to the best 25 drawings. The Assistant Commissioner of Police, Crime Branch, Kannur City, Shri. K. V. Babu was the chief guest at the valedictory function. He distributed the prizes & certificates to the children. MVR Group of Institutions Administrative Officer Shri. Damodaran P. V. presided the inaugural session & Director Smt. M. V. Girija presided over the Valedictory function.













The welcome address was given by Zoo Veterinary officer Dr Anju Mohan and the Chief. Supervisor Mr Sudhakaran T. V. expressed a Vote of Thanks. Zoo curator Ms Divya Dinesan, Biologist Mr Unnikrishnan P V, ArtistSmt. Namitha Sandeep was felicitated at the function. Famous personalities in various fields like Dr P. Dhanya Menon, First Woman Cyber Crime Investigator in India, Smt. Rakhi Joseph, Director, Lourde Group of Educational Institutions, Thaliparamb, Shri. SasikumarM. V., Director, Instituteof Co-operative Management, Parassinikkadavu, Shri. Ratheesan P., Range Forest Officer, Thaliparamba, Shri. Biju P., Head of- the Human Resources Department, at Kannur International Airport, witnessed thefunction. The Students Ms Akshara Jayaraj, Ms Amrita Kaur, Ms Juhi & Ms Punya of the National Institute of Fashion Technology, Kannur produced artwork in acrylic during the event. The students of Govt. High School Parassinikkadavu became the volunteers & their extraordinary efforts contributed to the success of the programme. The Zoo Director, Prof. E. Kunhiraman informed that the event was in the name of C. V. Janaki Amma, belovedwife of Shri. M. V. Raghavan, the founder of the Zoo will be organized every year. The event was a great success in the quality of the artwork and the number of participants.

27th December 2022-Two day Residential Camp





Two day residential camp for differently abled children of Taliparamba North BRC in association with MVRAMC Parassinikkadavu.

WORLD WILDLIFE DAY CELEBRATION 2023





March 3rd' is observed as 'World Wildlife Day'. The date was chosen as its the birthday of CITES, the Convention on International Trade in Endangered Species of Wild Fauna & Flora. The theme for the 'World Wildlife Day' this year is "Partnerships for Wildlife Conservation".

MVR Snake Park & Zoo observed the 'World Wildlife Day' in a befitted manner. The programme was presided over by Prof. E. Kunhiraman, Director, MVR Snake Park & Zoo. In his presidential he mentioned that Snake Park is taking a new step into the wildlife conservation by kicking off three new projects relevant to the theme of World Wildlife Day. The Wildlife Day Programme was inaugurated by Chief Conservator of Forests, Northern Circle, Kannur, Smt. K. S. Deepa IFS. She inaugurated the function by 'watering the Fig plant'- which is a key stone species in the forests. She stressed on the importance of conserving the wildlife and natural resources and for taking steps to prevent exploitation of resources during her inaugural address. She launched the full version 'Snake Lens' an artificial intelligence based android application of Snake Park for identifying snakes. Snake lens application, a free to use app to identify major venomous and non-venomous of India in seconds with a single click button on your mobile device using artificial intelligence in offline mode. This comprehensive and accurate snake identification application also provides list of hospitals capable of treating snake bites and also the name and contact numbers of local snake rescuers who can help in safely rescuing and rehabilitating snakes. She also distributed the prize to the winner of the wildlife photography contest-'Snapshoot 2022' to Ms. Anusree K. P. MVR Snake Park & Zoo honoured the Team LARES.AI who developed the AI based android application. The Zoo Director, Prof. E. Kunhiraman informed that the event was in the name of C. V. Janaki Amma, belovedwife of Shri. M. V. Raghavan, the founder of the Zoo will be organized every year. The event was a great success in the quality of the artwork and the number of participants.





WORLD WILDLIFE DAY CELEBRATION 2023





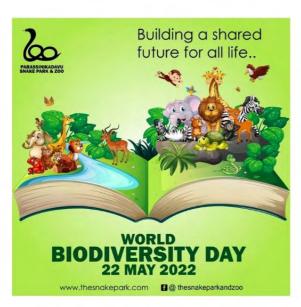
Smt. R. Keerthi IFS, Zoo Director, Thrissur Zoological Park, was the Guest of Honour. She expressed her views on wildlife conservation. She released the short term certificate courses on Herpetology, Ornithology & Food Safety by MVR Snake Park & Zoo and MVR Institute of Life Sciences & Research Studies on this occasion. Prof. Shoor Vir Singh, Professor & Head of the Department, Department of Animal Biotechnology, GLA University, Mathura, UP also addressed the gathering online. He shared his experiences as an ICAR Scientist working on Paratuberculosis infection in wildlife. Dr. George Chandy, Assistant Professor, Centre for Wildlife Studies, Kerala Veterinary & Animal Sciences University delivered the keynote address. He mentioned the importance of 'One world, One Health" and its relevance in current scenario. Dr. Dileepkumar R., Assistant Professor, MVR Institute of Life Science & Research Studies, Founder & Director, Indriyam Biologicals Pvt. Ltd., demonstrated the innovative product 'BITE AID: An ultimate first aid kit' for Snake bites. Dr. George Chandy handed over the first aid kit to Azhiyoor East U.P. School. Shri. Vijay Neelakantan, an eco-socio cultural interventionist and Nature Wildlife Conservationist specially addressed the gathering. He pointed out the importance of conserving the 'Urban Wildlife' which is a neglected topic. Dr. Muraleedharan A. K, Principal, MVR Ayurveda Medical College, Parassinikkadavu & Dr. Geetanandan K., Principal, MVR Institute of Life Science & Research Studies felicitated in the function. Master Deepak Dev, a Tenth standard student, a passionate and enthusiastic young conservationist, shared his views on Wildlife Conservation. Dr. Anju Mohan S., Veterinary Officer welcomed the gathering and Ms. Divya Dinesan, Curator, MVR Snake Park & Zoo, delivered Vote of Thanks.









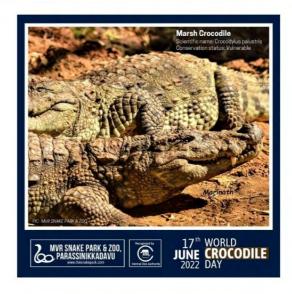






OTHER EDUCATION PROGRAMMES

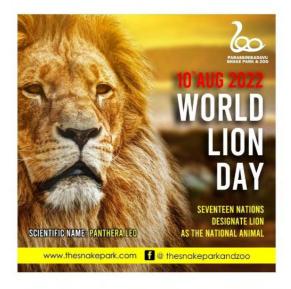


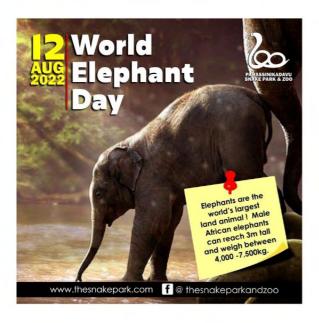


















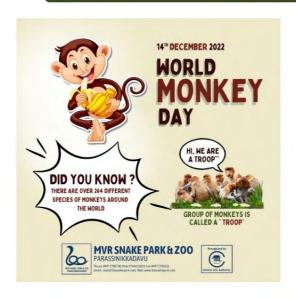














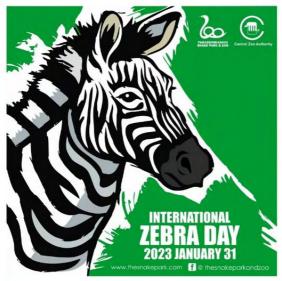






















Internship Programmes conducted by MVR Snake Park & Zoo

Internship : MSc. Environmental Studies Students from Bharatiyar University, Coimbatore, Tamil Nadu

Duration & Time period: July 1st to July 31st (1 Month)

SI. No	Name of the Student	Project Work conducted at the Zoo
1	Mr. Sarang P. K.	A proposal for behavioural enrichment of animals of MVR Snake Park & Zoo
2	Mr. George Joy.	A proposal for effective waste management in a zoo
3	Mrs. Shakeeba Fahee	Assessment of floral & faunal biodiversity inside MVR Snake Park & Zoo
4	Mrs. Soorya V. P.	Evaluation of change in conservation attitude through Zoo Awareness

Internship: M.S. Wildlife Studies Students from Centre for Wildlife Studies, Kerala Veterinary & Animal Science University, Pookode, Wayanad.

Duration & Time period: 8th February to 10th February 2023 (3 days)

Ms. Shreeshma V.; Ms.. Karan S.; Mr. Abhishek S.; Mr. Arjun A. C.; Mr. Shahrukh Nihal K. Mr. Abhinav S. D.; Mr. Nidhichand K. P.; Mr. Sidharthan; Mr. Akash Arunkumar

OUR BUNDLE OF JOY





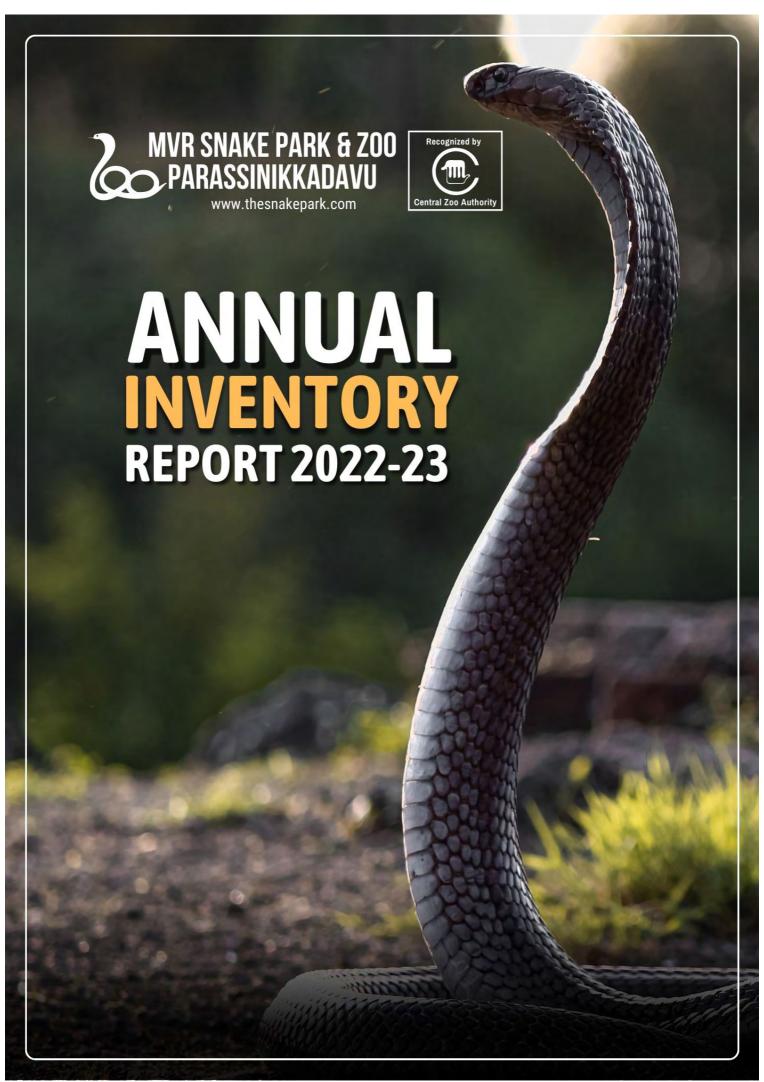


ANIMAL ACQUISITION/TRANSFER/EXCHANGE PAGE

SI. No	Animal Name	Scientific Name	Sex	Date of acquisition	Remarks
			N	Vil	

RESCUE & REHABILITATION

		Species with number of		Date o	Act	ion taken
Sl. No	Date of Rescue	animals rescued with their sex (M:F:U:T)	Received from	Submissio n of Report to the CWLW/ CZA	Date and Place of rehabilitation in their habitat	Reasons for housing in the zoo, if not released in their habitat
				Nil		



PART - A

Parassinikkadavu Snake Park and Zoo, Kannur, Kerala

Annual Inventory Report for the Year: 2022-2023

Part - IA

Endangered Species*

S.No.	Animal Name	Scientific	Opening	ing Stock	ck Sck		Bi	Births	4	Acquisitions	sitio		Disposals	sals		Deaths	ths		Closi	Closing Stock	ck	
		Name	(01	(01-Apr-2022)	7			-	+	•	-		•		-	-	-	+	-Ic)	(51-Mar-2025)	(57)	
			M	F	\mathbf{u}	T	M	Ŧ	n	M	F U	_	M	F U	M		F	U M		F	U	Τ
Birds																						
1.	Peafowl, Indian Pavo cristatus	Pavo cristatus	1	1	0	2	0	0	2	0	0	0	0	0 0	0		0	0 2		2 (0	4
2.	Kite, Brahminy	Haliastur indus	2	3	0	5	0	0	0	0	0 0		0	0 0	0		0	0 2	3		0	5
Total Birds	2		3	4	0	7	0	0	7	0	0		0	0 0	0		0	0 4	3		0	9
Reptiles																						
1.	Cobra, King	Ophiophagus hannah	1	1	0	2	0	0	0	0	0 0		0	0 0	0		0	0 1		-	0	2
2.	Cobra, Indian	Naja naja	13	9	0	19	0	0	0	0	0 0		0	0 0	-		1	0 12		2	0	17
3.	Python , Indian Rock	Python molurus	14	17	0	31	0	0	0	0	0 0		0	0 0	-1	, ,	2	0 13		15 (0	28
4	Viper, Russell's	Daboia russelii	4	8	0	12	0	0	0	0	0 0		0	0 0	0		-1	0 4	7		0	11
5.	Snake, Rat/ Dhaman	Ptyas mucosa	9	5	2	13	0	0	0	0	0 0		0	0 0	1		1	0 5	9		0	11
9	Keelback, checkered	Fowlea piscator	9	2	17	25	0	0	45	0	0 0		0	0 0	2		0	0 4	2		62	89
7.	Crocodile, Crocodyl Marsh (Mugger) palustris	Crocodylus palustris	18	10	0	28	0	0	0	0	0	0	0	0 0	0		0 0	18		10 (0	28
8.	Lizard, Monitor Varanus Common Indian bengalensis	Varanus bengalensis	1	1	0	2	0	0	0	0	0	0	0	0 0	0		0 0	1		1	0	2
Total Reptiles	8		63	20	19	132	0	0	45	0	0	0	0	0 0	v		2	0 58		47 62		167

Ч

Mammals																					
1.	Cat, Jungle	Felis chans	1	-1	0	2	0	0	0	0	0	0 0	0 (0 (0	0	0	1	1	0	2
2.	Macaque, Bonnet	Macaca radiata	10	8	0	18	0	0	0	0	0	0 0	0 (0 (2	0	0	8	∞	0	16
3.	Civet, Palm Asian	Paradoxurus hermaphroditus	2	1	0	3	0	0	0	0	0	0 0	0 (0	-	0	0	1	1	0	2
Total Mammals	3		13	10	0	23	0	0	0	0	0	0 0	0	0	3	0	0	10	10	0	20
Total en- dangered Animals	13		79	9	19	162	0	0	47	0	0	0 0	•	0	∞	v	0	72	62	62	196
																Paras	Prof.	Director Prof. E. KUNHIRAMAN DIRECTOR MVR SNAKE PARK & ZOO Parassinikkadavu, Kannur - 670 563 Kerala, India	Director KUNHIRA IRECTOR AKE PARK & AKE PARK & Bavu, Kannu	MAN 200 r- 670	293
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Stock 2023)	UT		0 1	0 2				
Closing Stock (31-Mar-2023)	Œ		0	1	1 1	1 1 1		3 (
<u> ဗ</u>	M		П	1	1 1	1 1 0	0 0	1 1 0 0 0
S	n		0	0				
Deaths	F		0	0	0 0	0 0	0 0 0	0 0 0 0
<u> </u>	N		0	0	0 0			
als	n		0	0				
Disposals	14		0	0	0 0	0 0 0	0 0 0 0	0 0 0 0
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u	H		-	2	2 4	2 4 1	2 4 1 1	2 4 1 1 8
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Opening Stock (01-Anr-2022)	H		0	1				
0 =	M		1	1	- -	1 1 0	$\begin{bmatrix} 1 & 1 \\ 0 & 0 \end{bmatrix}$	$\begin{bmatrix} 1 & 1 & 0 \\ 0 & 0 & 2 \end{bmatrix}$
Scientific	Name		Tyto alba	Ketupa zeylonensis	Ketupa zeylonensis Milvus migrans	Ketupa zeylonensis Milvus migrans Ciconia	Ketupa zeylonensis Milvus migrans Ciconia episcopus Lophura nycthemea	Ketupa zeylonensis Milvus migrans Ciconia episcopus Lophura nycthemea Dromaius
Animal			Owl, Barn	Owl, Brown Fish		Brown Pariah/ Black c, White		
S.No		Birds	1.	2. F				

Director

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Prof. E. KUNHIRAMAN DIRECTOR MVR SNAKE PARK & 200 Parassinikkadavu, Kannur - 670 563 Kerala, India

S.No	Animal Name	Scientific		Opening Stock (01-Apr-2022)	mg Stock pr-2022)	¥	В	Births		Acq	Acquisitions	ons	Dis	Disposals	,,	De	Deaths		၁ ဗ	Closing Stock (31-Mar-2023)	Stoc.	۶ ت
		Name	M	Ŧ	U	T	_	M F	U	M	Ā	u	M	F	n	M	Ŧ	n	M	F	U	Τ
Reptiles																						
1.	Krait, Common Indian	Bungarus caeruleus	-	7	0	М	0	0	0	0	0	0	0	0	0	0	-	0		-	0	7
2.	Sand Boa, Red	Eryx johnii	-	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	_	0	0	-
3.	Sand Boa, Common	Eryx conicus	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	7
4	Snake, Green Vine	Ahaetulla nasuta	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	7
5.	Snake, Trinket Common	Coelognathus helena	1	п	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	-	0	7
.9	Snake, wolf Common	Lycodon aulicus	-	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	_	0	0	-
7.	Viper, Pit Hump Nosed	Hypnale hypnale	1	2	0	8	0	0	4	0	0	0	0	0	0	0	1	0	1	1	4	9
8.	Tortoise Travancore	Indotestudo travencorica	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
9.	Pond Terrapin Indian	Melanochelys trijuga trijuga	14	6	0	23	0	0	0	0	0	0	0	0	0	0	0	0	14	6	0	23
10.	Red eared slider	Trachemys scripta elegans	2	7	0	6	0	0	0	0	0	0	0	0	0	0	0	0	2	7	0	6
11.	Green iguana	Iguana iguana	0	0	-	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	-
Total Reptiles	11		24	23	1	48	0	0	4	0	0	0	0	0	0	0	7	0	24	21	v	50

4	4	89	263	
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0	0	0	0	Director Prof. E. KUNHIRAMAN DIRECTOR MVR SNAKE PARK & ZOO Parassinikkadavu, Kannur - 670 563 Kerala, India
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4	4	64	226	
0	0	က	52	
2	2	30	95	
2	2	31	110	
Hystrix indica				
Porcupine, Crested Indian	1	18	31	
Τ.	Total Mammals	Total Animals other than	Total Animals housed in Parassinikka davu Snake Park & Zoo excluding aquarium species	

AQUARIUM SPECIES

Z	Animal Name	Scientific Name		Stock	Stock as on 31-Mar-2023	Iar-2023
			M	1	n	T
Τ.	Angel Fish	Pterophyllum	0	0	5	S
2.	Iridescent Shark	Pangasidae	0	0	4	4
3.	Ray-finned Barb	Actinopterygii	0	0	8	8
4.	Slender Rasbora	Cyprinidae	0	0	10	10
5.	Albino Tinfoil Barb	Barbonymus schwanenfeldii	0	0	2	2
.9	Blue Polar Parrot	Scarus coeruleus	0	0	5	ĸ
7.	Albino Tiger Shark	Carcharhiniformes	0	0	5	S
8.	Tiger Barb	Cyprinidae	0	0	5	5
9.	Albino Koi Guppy	Poecilia reticulate	0	0	5	5
10.	Silver Shark	Cyprinidae	0	0	5	5
11.	Red Bellied Nutter	Pygocentrus natteri	0	0	9	9
12.	Koi Carp	Cyprinus carpio	0	0	8	8
13.	Gold Fish	Carassius auratus	0	0	5	ĸ
14.	Rosy Barb	Cyprinidae	0	0	4	4
15.	Gouranni	Osphronemus gorami	0	0	1	1
16.	Green Widow and Purple Widow	Characidae	0	0	8	8
17.	Rainbow Shark	Cyprinidae	0	0	5	5
Fotal Aquarium species	17				91	91

Director

Prof. E. KUNHIRAMAN DIRECTOR MVR SNAKE PARK & ZOO Parassinikkadavu, Kannur - 670 563 Kerala, India

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Parassinikkadavu Snake Park Annual Inventory Report 2022 – 2023

EGG REPORT

Report of eggs in incubation

Clutch size/No.of eggs	4	58	9
Scientific name	Pavo cristatus	Fowlea piscator	Dromaius novaehollandae
Species	Peafowl	Keelback, checkered	Emu
Date of laying/ observance of eggs	28/09/2022	26/01/2023	29/01/2023
SI No.	-	2.	3.

Director

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Prof. E. KUNHIRAMAN DIRECTOR MVR SNAKE PARK & 200 Parassinikkadavu, Kannur - 670 563 Kerala, India

Parassinikkadavu Snake Park Annual Inventory Report 2022 – 2023

BIRTH REPORT

	Animal Name	Scientific Name	Date of birth	Sex & Number
ı	Peafowl, Indian	Pavo cristatus	11/11/2022	U (2)
	Keel back, Checkered	Fowlea piscator	03/03/2023	U (45)
	Viper, Pit Hump Nosed	Hypnale hypnale	16/03/2023	U (4)
	Emu	Dromaius novaehollandae	22/03/2023	F (1)
	Emu	Dromaius novaehollandae	27/03/2023	M (1) F (1)

Director

Prof. E. KUNHIRAMAN
DIRECTOR
NVR SNAKE PARK & ZOO
Parassinikkadavu, Kannur - 670 563
Kerala, India

Parassinikkadavu Snake Park Annual Inventory Report 2022 – 2023

DEATH REPORT

	Animal Name	Scientific Name	Sex	Date of Death	Reason for Death
	Emu	Dromaius novaehollandiae	M	16/04/2022	Pasteurellosis
	Bonnet Macaque	Macaca radiata	M	23/04/2022	Respiratory infection
	Asian Palm Civet	Paradoxurus hermaphroditus	M	07/05/2022	Haemorrhagic Enteritis
	Bonnet Macaque	Macaca radiata	M	13/05/2022	Anaemic shock
	Common Krait	Bungarus caeruleus	F	19/05/2022	Oesophagus obstruction
	Ray-finned Barb	Actinopterygii	M	15/06/2022	Anoxia
7.	Red Bellied Nutter	Pygocentrus natteri	M	01/07/2022	Accidental leakage of tank
8.	Tiger Barb	Cyprinidae	H	10/07/2022	Dropsy
9.	Albino Tiger Shark	Carcharhiniformes	M	23/08/2022	Anoxia
10.	Rosy Barb	cyprinidae	F	28/09/2022	Dropsy
	Python, Indian Rock	Python molurus	M	05/10/2022	Anaemia
12.	Snake, Rat/ Dhaman	Ptyas mucosa	F	30/10/2022	Egg impaction
13.	Python, Indian Rock	Python molurus	F	19/11/2022	Multiple Organ Failure
14.	Albino Tinfoil Barb	Barbonymus schwanenfeldii	H	05/12/2022	Accidental leakage
15.	Keelback, checkered	Fowlea piscator	M	28/12/2022	Trauma & shock
16.	Snake, Rat/ Dhaman	Ptyas mucosa	M	07/01/2023	Worm infestation
17.	Cobra, Indian	Naja naja	M	21/01/2023	Trauma
18.	Viper, Russell's	Daboia russelii	F	29.01.2023	Anaemic Shock
19.	Koi Carp	Cyprinus carpio	Н	11.02.2023	Anoxia
20.	Keelback, checkered	Fowlea piscator	M	27.02.2023	Respiratory Infection
	Viper, Pit Hump Nosed	Hypnale hypnale	H	11/03/2023	Dystocia
22	Python, Indian Rock	Python molurus	H	16/03/2023	Stomach Impaction
23	Cobra, Indian	Naia naia	[I	21/03/2023	Gastroenteritis

Veterinary Officer

Dr. ANJU MOHAN S. (IAVSC.)
Reg. No. 3869
VETERINARY OFFICER
MVR SNAKE PARK & ZOO
Parssinikadavu, Kanau, Karaa, India-670563

MVR SNAKE PARK & ZOO Parassinikkadavu, Kannur - 670 563 Kerala, India Prof. E. KUNHIRAMAN DIRECTOR

Director

SI. No	Norm No.	Particulars	Time Period To Comply	Status
Genera	l requirements			
1	10.1 (3)	Failed to regulate the visitor's circulation at few animal enclosures in the zoo with specific reference to enclosure for Bonnet macaques. It should be ensured that visitor's path should not exceed 25% of the periphery of the enclosure. This is to ensure adequate withdrawal area to the animal.	Immediately	Complied We restricted the visitor's circulation at Bonnet Macaque enclosure by using chains. Gardening is done at the chained area to reduce the Visitor's path to prescribed standard. Hedge Plantation is also done so that adequate withdrawal area is available to the animal.
2	10.1(5)	Failed to ensure perimeter wall of prescribed standard. The perimeter wall is damaged and fallen at few places.	Immediately	Complied The damaged perimeter wall was reconstructed.
3	10.1 (7)	Failed in management of solid and liquid wastes generated in the zoo. It is poor. Thus affecting the general hygiene. Plastic and other wastes found strewn on the zoo campus. Compost unit started recently is an appreciable initiative. However, it is completely disproportionate to the quantity of waste generated. Huge dump of waste in such close proximity to animal enclosures is not acceptable.	Immediately	Complied Plastic wastes are collected weekly from the anthoor municipality under the scheme 'Clean Anthoor Green Anthoor.' Organic waste management: Thumboormuzhi model compost unit is used for the removal of organic wastes. The wastes found strewn on the campus were removed. The incinerator is used for proper disposal of waste generated in the park.

SI. No	Norm No.	Particulars	Time Period To Comply	Status
General r	equirements			
4	10.1(9)	Housed domestic species (Turkey fowl, Geese, Swan, Guinea fowl, Pigeon) in the zoo	Immediately	Complied Removed domestic species housed in the zoo Landscaping and gardening work had been done at the area where domestic birds were housed and currently the area is transformed into a garder where visitor's can relax.
Develo	ppment and Plan	ning		
5	10.3(1)	Failed to submit masterplan for approval of the CZA	Three months	Complied Submitted Masterplan for the scrutiny of Central Zoo Authority
6	10.3 (3)	Furnished incorrect information in the approved Master (Layout) Plan of the proposed Rescue Centre as a satellite facility of the zoo is with plantation and no construction was observed. However, the Master (Layout) Plan of the Parassinikkadavu Snake Park (Rescue Centre), Kurumattur approved by Central Zoo Authority and signed on 28.05.2014 indicates otherwise. Index No. RQ 17 of the Layout Plan indicates presence of 'Existing Rescue Home'. The Zoo Operator should amend the Master (Layout) Plan of the proposed Rescue Centre following the Guidelines in the matter, indicating factual status. It should be forwarded through the Chief Wildlife Warden of the state to the Central Zoo Authority for approval.	Three months	Complied Amended the Master (Layout) Plan of the proposed Rescue Centre and submitted for the scrutiny of CZA

SI. No	Norm No.	Particulars	Time Period To Comply	Status
7	10.3 (6)	Failed to prepare Animal Collection Plan based on the Concept Plan provided by the Central Zoo Authority in the Facilitation Workshop in year 2009 directing the Zoo operator to restrict the Animal Collection to Reptiles of the region.	Three months	Complied Animal Collection Plan is already prepared keeping in mind the concept plan provided by the Central Zoo Authority. We would like to keep the species currently in the collection as such and more reptiles are included in future collection plan and we have submitted the animal collection plan along with the master plan for approval from CZA.
8	10.3 (7)	The zoo has rescued animals for which it does not have infrastructure facility for housing, upkeep and Veterinary care.	Immediately	To comply Requested for post- facto approval from Central Zoo Authority.
9	10.3 (8)	Not reported to the Chief Wildlife Warden of the state and Central Zoo Authority regarding acquisition of animals pertaining to endangered species (Jungle Cat, Monitor Lizard, Trinket Snake, Peafowl, Silver Pheasant and Parakeets) by way of rescue.	Immediately	To comply Requested for post- facto approval from Central Zoo Authority.

SI. No	Norm No.	Particulars	Time Period To Comply	Status
nimal H	lousing , Display	of Animals and Animal En	closure	
10	10.4(2)	Failed to house animals in enclosures in conformity with design and dimension as specified by the CZA	Six months	Complied The Zoo animals are housed in enclosures in conformity with design and dimension as specified by the CZA while executing Masterplan
11	10.4 (2)	Failed to separate the Visitor's path and Service path. Presently, most of the service area to animal enclosures is from visitor's path.	Six months	Complied Separate service path had been constructed
12	10.4(3)	Failed to ensure safety of animals, personnel involved in upkeep of animals and visitors. It is observed that service entry to animal enclosure is not locked in one case.	Immediately	Complied The service entries to animal enclosure are properly locked. All the enclosures is having separate lock and keys.
13	10.4(6)	Failed to provide natural enrichment to Bonnet macaques. Tin sheets and rubber tyres provided as enrichment in the enclosure.	Immediately	Complied Replaced the tin sheets and rubber tyres given as enrichment in the Bonnet macaque enclosure with natural materials like Bamboo, thick creepers & wooden logs.
14	10.4(7)	Failed to screen adjacent animal enclosures.	Immediately	Complied Most of the adjacent animal enclosures are screened by natural vegetation. The rest of the enclosures are screened by mesh and plantation.

SI. No	Norm No.	Particulars	Time Period To Comply	Status
nimal H	lousing , Display (of Animals and Animal En	closure	
15	10.4(8)	Failed to obtain approval from the CZA to drawing of enclosures for endangered species and housed animals in substandard enclosures to screen adjacent animal enclosures.	Six months	To comply The drawing of enclosures for endangered species and construction of enclosures as prescribed by CZA would be done after the approval of the Masterplan.
16	10.4(9)	There is no stand- off barrier at enclosure for Python.	Immediately	Complied The enclosure which was below the ground level was elevated to the surace and stand-off barrier had been constructed for the same.
17	10.4(10)	Failed to provide signage at few enclosures.	Immediately	Complied New signage boards describing the names in different languages had been erected at the enclosures.

SI. No	Norm No.	Particulars	Time Period To Comply	Status
Upkeep :	and healthcare of	animals		
18	10.5(2)	Failed to prepare and implement the Diet Schedule.	Immediately	Complied Diet Schedule for all the animals are prepared and implemented.
19	10.5(5)	Failed to prepare and implement the Schedule for disinfection of enclosures.	Immediately	Complied Schedule for disinfection of enclosures are prepared and implemented.
20	10.5(5)	Undeclared articles derived from wild animals (snake moults) are in possession of the Zoo in the Animal Supervisor's Office.	Immediately	Complied The articles were disposed rom possession
21	10.5(8)	Failed to prepare and implement the Schedule for vaccination and other prophylactic measures.	Immediately	Complied Schedule for Vaccination and prophylactic measures are prepared and implemented
22	10.5(9)	Failed to screen staff involved in upkeep of animals against Zoonotic diseases.	Immediately	Complied Screened all the staffs of Parassinikkadavu Snake Park and Zoo for Zoonotic diseases.

SI. No	Norm No.	Particulars	Time Period To Comply	Status
Jpkeep	and healthcare	of animal		
23	10.5(10)	Records of the animals (Animal History Card, Keeper's Diary, Daily Report and Treatment Card) are not being maintained in format prescribed by the Central Zoo Authority.	Immediately	Complied Keeper's Diary, Daily Report and Treatment Card are maintained in the Parassinikkadavu Snake park are maintained in format prescribed by Central Zoo Authority.
24	10.5(11)	Not marked animals housed in the Zoo.	Immediately	To Comply Phase by phase marking of animals will be done as per CZA norms
Veterin	ary and infras	tructure facilities		
25	10.6(1b)	Veterinary infrastructure and manpower of the zoo is not in accordance with the norms applicable for a small category zoo.	Immediately	Complied Parassinikkaddavu Snake Park has complied the inadequancies in Veterinary and infrastructure facilities to function as a Small Zoo.
26	10.6(3)	No Quarantine Area and Isolation Ward in the zoo.	Immediately	Complied Constructed Isolation Ward for the animals to be isolated
27	10.6(3)	Post mortem Room, Treatment Room, Animal Supervisor's Room and Live animal feed are all at one place in a congested manner. Post mortem facility does not have provision for adequate sunlight.	Immediately	Complied Separate areas for Post mortem, Treatment and housing live animals for feed had been constructed.

SI. No	Norm No.	Particulars	Time Period To Comply	Status
Post-mo	rtem and dispo	osal of carcasses of anir	mals	
28	10.7(2)	Post- mortem reports are in deviation from the format prescribed by the Central Zoo Authority. It should be adopted by the Zoo.	Immediately	Complied The Postmortem reports are maintained in the format prescribed by CZA
29	10.7(4)	Not designated animal carcass disposal area away from animal enclosures. Presently, animal carcass disposal is being done in a pit dug between two animal enclosures towards their rear barrier. Also the area is stinking. More efficient disposal method should be adopted without affecting cleanliness and hygiene	Immediately	Complied New carcass disposal area is constructed.

SI. No	Norm No.	Particulars	Time Period To Comply	Status
cquisiti	on and Breedir	ng of Animals		
30	10.9 (1)	King cobra (1 male: 1 female) are not housed in viable group.	Immediately	Complied Male and Female King cobra are housed in same enclosure in viable group.
31	10.9 (4)	Not paired singly housed animals. It is observed that Barn owl, Fish owl, White necked stork, Red sand boa, Trinket snake, Common wolf snake and Travancore Tortoise are singly housed in the Zoo.	Six months	To comply The pairing of singly housed animals are under process
32	10.9 (6)	Displayed factually incorrect information to visitors. A Board with logo of CZA as well as the Zoo is displayed in the Zoo indicating Captive Breeding Project of King cobra. However, the CZA has not identified the Parassinikkadavu Snake Park either as Co-ordinating or as participating zoo for the purpose. It is informed during evaluation that the breeding is being carried out fordisplay andd not for re-stocking in the wild. The Zoo operator should ensure that factually correct information is provided to visitors.	Immediately	Complied The board mentioning 'Captive Breeding Project of King Cobra' had been removed.

SI. No	Norm No.	Particulars	Time Period To Comply	Status
Educati	on and Outreach	activities		
33	10.11 (2)	Physical handling of snakes is part of the educational activity undertaken by the zoo. Such sessions are being organized at regular interval in a day.	Immediately	Complied Physical handling of snakes is omitted from the educational activity of the Zoo.

FLORAL BIODIVERSITY OF MVR SNAKE PARK & ZOO

The Zoo consist of shade trees like Rain tree, Gulmohar tree, Copper pod, Casuarinas etc., the West Indian mahagony dominate all over the zoo.

The nakshatra vrkshas are also planted in the pots, displayed for informative purpose. The surveyed flora is divided into trees, herbs, shrubs and listed below in the table:

TREES: COMMON NAME	SCIENTIFIC NAME	COMMON NAME	SCIENTIFIC NAME
Mango tree	Mangifera indica	Neem	Azadirachta indica
Common guava	Psidium guajava	Peepal tree	Ficus religiosa
Teak	Tectona grandis	Subabul	Leucaena leucocephala
Tamarind	Tamarindus indica	Cannonbell tree	Couroupita guianensis
Sapota	Manilkara zapota	Sisso	Dalbergia sisso
Cassia	Cassia fistula	Indian devil tree	Alstonia schlolaris
Beetle nut tree	Areca catechu	Indian coral tree	Erythrina variegata
Kino tree	Pterocarpus marsupeum	Himalayan wild cherry	Prunus cerasoides
Cluster fig tree	Ficus glomerata	Iron wood tree	Mesua ferrea
Drumstick tree	Moringa oleifera	Flame of the forest	Butea monosperma
Chebulic mycobalan	Terminalia chebula	Utrasum bead tree	Elaeocarpus sphaericus
Snake wood tree	Strychnos nux vomica	Copper pod	Peltophorum pterocarpum
Five leaved chaste	Vitex negundo	Rose sandal wood	Olea dioica
Vest Indian mahagony	Swietenia mahagoni	Jack fruit tree	Artocarpous heterophillus
ndian beach	Pongamia pinnata	Rain tree	Albiziz saman

FLORAL BIODIVERSITY OF MVR SNAKE PARK & ZOO

Divi divi	Caesalpinia coriaria	Asafetida	Ferula naethex
Vatta	Macaranga peltata	Indian gooseberry	Emblica officianalis
Eagle wood	Aquilaria agallocha	Belleric myrobalan	Terminalia bellarica
Lucky bean tree	Drypetes roxburghii	Clove tree	Syzgium aromaticum
Malabar nut	Justica adhatoda	Asoka tree	Saraca asoka
Raja puli	Garcinia xanthochymus	Cashew nut tree	Anccardium occidentale
Kadambu	Neolamarkckia cadamba	Marotti tree	Hydnocarpus wightianus
White teak	Gmelina arborea	Kumbhi	Careya arborea
Greater galangal	Alpinia galangal	Garcinia cambogia	Garcinia gummi gutta
Micro sword	Lilaeopsis brasiliensis		

BAMBOOS:

Bamboos are a diverse group of mostly evergreen perennial flowering plants making up the subfamily Bambusoideae of the grass family Poaceae. Mainly two types of bamboos are seen around the zoo.

- 1. Yellow bamboo, commonly called golden groove bamboo [*Phyllostachys aureosulcata*]
- 2. Thorny bamboo [Bambusa arundinacea]

FAUNAL BIO-DIVERSITY OF MVR SNAKE PARK & ZOO

ANTS: Ants are eusocial insects of the family Formicidae and they are common insects, but they have some unique capabilities. More than 10,000 known ant species occur around the world. They are especially prevalent in tropical forests, where they may be up to half of all the insects living in some locations. In the study area mainly five types of ants are observed, that are listed below.

COMMON NAME	SCIENTIFIC NAME	COMMON NAME	SCIENTIFIC NAME
Weaver ants	Oecophylla smaragdina	White footed ghost ants	Technomyrmex albipes
Yellow crazy ants	Anoloepis gracilipes	Odorous house ants	Tapinoma sessile
Pharaoh ants		Monomorium pharaonis	

BUTTERFLIES AND MOTHS:

A butterfly and moths are flying insect with a small body and large, often colorful or dull colored wings. Some gardeners plant specific flowers that attract butterflies. Butterflies are closely related to moths, which also have wings that are large in proportion to their bodies and antennae. They are included in macrolepidopteran clade Rhopalocera from the order Lepidoptera. The butterflies and moths observed in the study area are listed below.

COMMON NAME	SCIENTIFIC NAME	COMMON NAME	SCIENTIFIC NAME
Southern bird wing	Triodes minos	Common raven butterfly	Papilio castor
Blue mormon	Papilio polymnestur	Yamfly butterfly	Luxura atymnus
Common grass yellow	Eurema hecabe	Tailed jay butterfly	Graphium agamemnon
Chocolate solidier	Junonica iphita	Painted lady	Vanessa cardui
Grey count		Tanaecia lepidea	

FAUNAL BIO-DIVERSITY OF MVR SNAKE PARK & ZOO

OTHER INSECTS:

- 1. Crickets
- 2. Honey bee
- 3. Dragon flies
- 4. Blanket worms
- 5. Mellipide

BIRDS: COMMON NAME	SCIENTIFIC NAME	COMMON NMAE	SCIENTIFIC NAME
Black kite	Milvus migrans	Common myna	Acridotheres tristis
White checkered barbet	Psilopogan viridis	Yellow billed babbler	Turdoides affinis
Common crow	Corvus splendens	Bhraminy kite	Haliastur indus
Black <u>hodded</u> oriole	Oriolous xanthorus	Purple ramped sunbird	Leptocoma zeylonica
Taylor bird	Orthotomus sutorius	Red whiskered bulbul	Pychnonotus jocosus

REPTILES:

COMMONNAME	SCIENTIFIC NAME	COMMON NAME	SCIENTIFIC NAME
Bengal Monitor lizard	Varanus bengalensis	Comon keeled skink	Riopa puntata
Bronze back tree snake	Dendrelaphis tristis	Buff striped keelback	Amphiesma stolatum
Trinket	Coelognathus Helena	Indian rat snake	Ptyas mucosa
Brahminy blind snake	Indotyphlops braminus	Beaked worm snake	Myriopholis macrorhyncha
Garden lizard	Calotes versicolor	Ornate flying snake	Chrysopelea ornata
Geckos	Gecko gecko		

ZOO CREW



MR. AVINASH GIRIJA CHIEF EXECUTIVE OFFICER



PROF. E. KUNHIRAMAN DIRECTOR





SPECIAL ATTRACTIONS



BLACK PANTHER



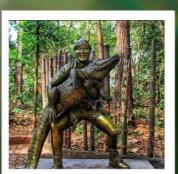
YOGA FROG



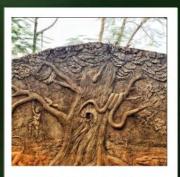
SNAKE AND TERMITE MOUND



I LOVE SNAKE PARK



THE CROCODILE HUNTER
(A TRIBUTE TO STEVE
IRWIN)

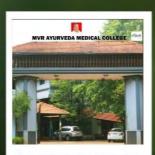


3D WALL ART

OUR SISTER CONCERNS



PAPPINISHERI VISHA CHIKILSA KENDRAM



MVR AYURVEDA MEDICAL COLLEGE HOSPITAL



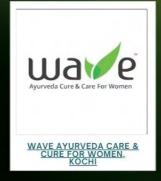
MVR AYURVEDA MEDICAL COLLEGE PHARMACY

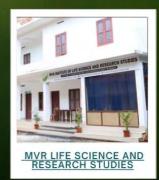


MVR AYURVEDA MEDICAL COLLEGE



ELA RESTAURANT, CATERING & AGRI ECO FARM







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