

Pharmacology Club Souvenir Book 2019



VELS



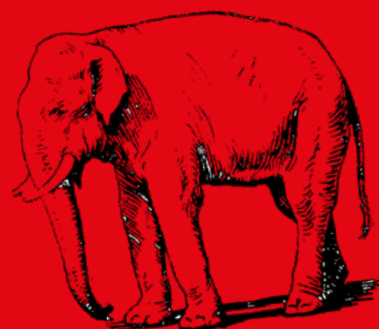
INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES (VISTAS)
(Deemed to be University Estd. u/s 3 of the UGC Act, 1956)
PALLAVARAM - CHENNAI
NAAC ACCREDITED WITH 'A' GRADE
Marching Beyond 25 Years Successfully

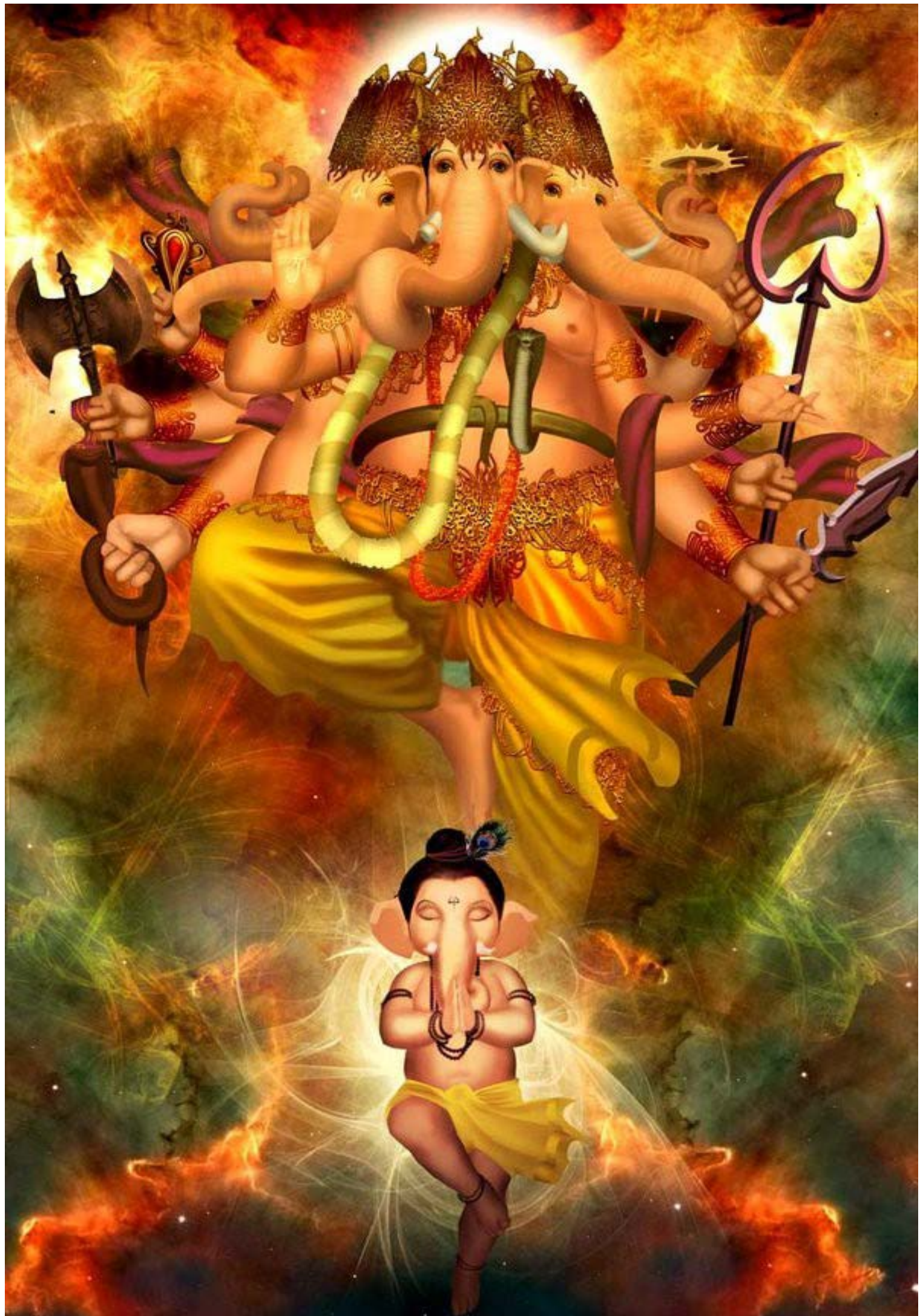
DEPARTMENT OF PHARMACOLOGY

SCHOOL OF PHARMACEUTICAL SCIENCES

VELS INSTITUTE OF SCIENCE TECHNOLOGY ADVANCED STUDIES (VISTAS)

PALLAVARAM, CHENNAI, TAMIL NADU, INDIA







அண்டம் அகிலம் அகத்தியம்

*Respecting and seeking blessings from
Agathiyar : The Father of Siddha System of
Medicine (Traditional Tamil System of
Medicine)*



**DR. ISHARI K GANESH
FOUNDER & CHANCELLOR
VELS INSTITUTE OF SCIENCE TECHNOLOGY
ADVANCED STUDIES (VISTAS)**

*“Thanking our
Founder & Chancellor Dr. Ishari K Ganesh,
Vice President Dr. A. Jothi Murugan,
Pro Chancellor Dr. Arthi K Ganesh,
Pro Vice Chancellor Dr. S. Sriman Narayanan,
Registrar Dr. A.R. Veeramani &
Controller of Examinations Dr. S. Venkataraman
for their contribution and extended support by
providing us all the facilities to organise the
Pharmacology club events effectively.”*

Pharmacology Club

Department of Pharmacology

School of Pharmaceutical Sciences

Vels Institute of Science Technology Advanced
Studies (VISTAS)

Pharmacology Club is a group for students who are interested in Pharmacology. Pharmacology (knowing how and why drugs work) is an important subject for **all biomedical professionals**. **Pharmacology is the foundation of medicine, pharmacy, dentistry, veterinary medicine, nursing, physiotherapy and many other healthcare professions**. Our club is composed of students from diverse interests. Our activities include **one or two programs every month**; a science and career oriented presentation of new developments in pharmacology. Our prime focus is on "beyond syllabus scholarly activities" (United Nations Events). Students interested in pharmacology club should **stop by one of our meetings** and give pharmacology club a try!



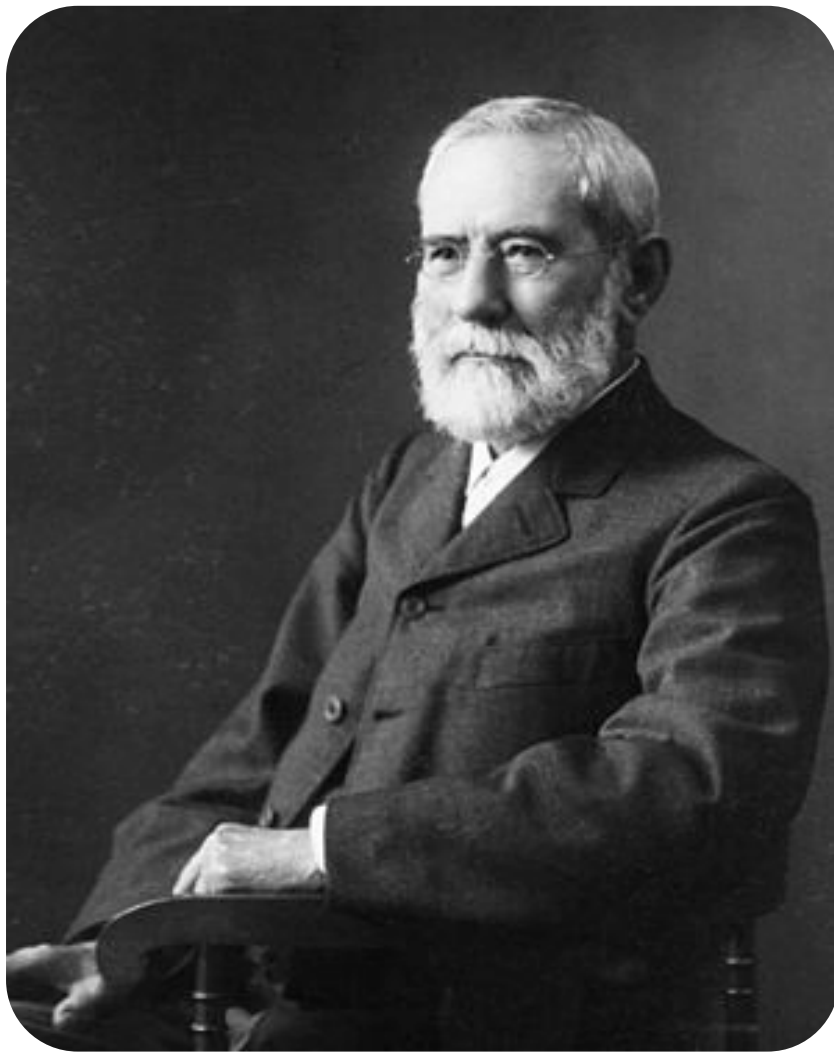
PHARMACOLOGY CLUB VISION AND MISSION

VISION

- Health and harmony with the natural environment
- Main focus of Pharmacology Club is Model United Nations (Model UN or MUN)
- Top ranked scholarly activity in the discipline of Pharmacology in India and beyond
- A multidisciplinary, interdisciplinarity and transdisciplinary approach involves drawing appropriately from multiple academic disciplines to redefine problems outside normal boundaries and reach solutions based on a new understanding of complex situations

MISSION

- Live along with the nature makes the body healthy
- Joining an academic club can be a good way to meet people outside your classes
- Academic clubs give students the ability to meet students with similar interests and engage in opportunities they might otherwise not have
- An academic club can offer mentoring, professional networking and special events that you won't find in a classroom
- To perform meaningful service to Department of Pharmacology, School of Pharmaceutical Sciences, Vels University (VISTAS), and local, national and international communities



OSWALD SCHMIEDEBERG

He is often referred to as the "Father of Modern Pharmacology." His work largely dealt with finding the correlation between the chemical structure of substances and their effectiveness as pharmaceuticals.



Dr. Hiroshi Hiasa, Ph.D

Associate Professor

Director of Undergraduate Studies

Faculty Advisor of Pharmacology Club

Department of Pharmacology

University of Minnesota Medical School

From: Hiroshi Hiasa <hiasa001@umn.edu>

Date: Tue, Aug 23, 2016 at 9:18 PM

Subject: Re: Pharmacology Club - Santhosh Kumar (Head of the Department of Pharmacology (School of Pharmacy (Vels University (MSTAS) (Chennai (India

To: HOD Dept of Pharmacology Vels University <hodpcology@velsuniv.ac.in>

Dear Dr. Kumar:

Thank you for your kind words via email and phone call. I hope that your Pharmacology Club will be successful.

Sincerely,

Hiroshi Hiasa, Ph.D.

Associate Professor

Director of Undergraduate Studies

Faculty Advisor of Pharmacology Club

Department of Pharmacology

University of Minnesota Medical School

(Office)

3-117 Nils Hasselmo Hall

Tel. 612-626-3101 (direct)

Email: hiasa001@umn.edu

<http://www.pharmacology.umn.edu/bio/department-of-pharmacology/hiroshi-hiasa>

<http://www.pharmacology.umn.edu/undergraduate-program>

<https://www.facebook.com/PharmacologyClubUMN>



Invitation

*Inauguration of
Academic club /*

Pharmacology club

Date : 24 August 2016 (Wednesday)

Time : 9.45 am

Venue :

*Pharmacology Lab /
School of Pharmaceutical Sciences*

Inauguration by -

Dr. P. Shanmugasundaram -

Director

School of Pharmaceutical Sciences

Vels University






Dr. P. Shanmugasundaram

Director

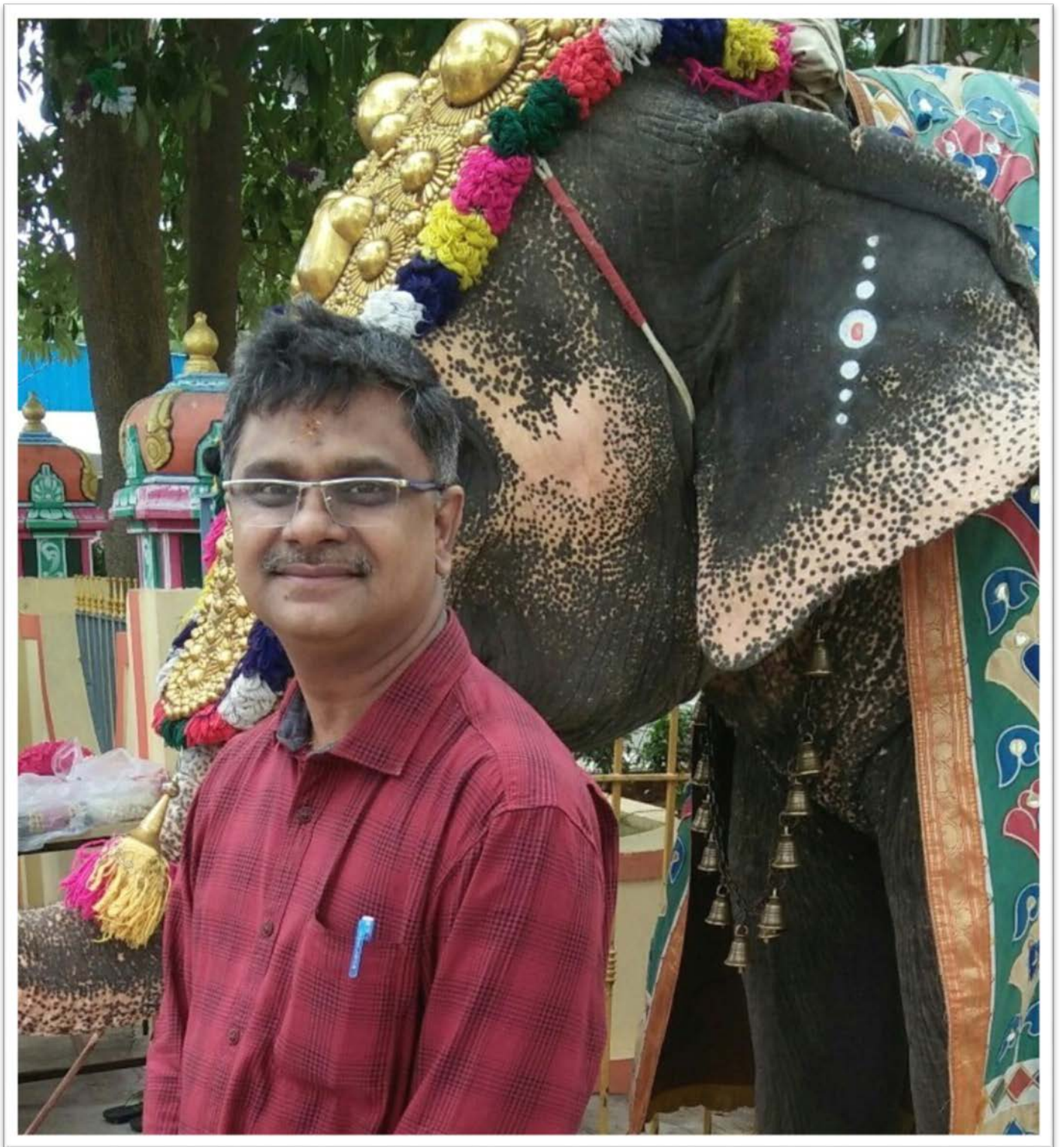
**School of Pharmaceutical Sciences
Vels Institute of Science Technology
Advanced Studies (VISTAS)**



**DEPARTMENT
OF
PHARMACOLOGY**



Dr. Ramaiyan Velmurugan
HOD – Department of
Pharmacology



Dr. V. Santhosh Kumar
Professor

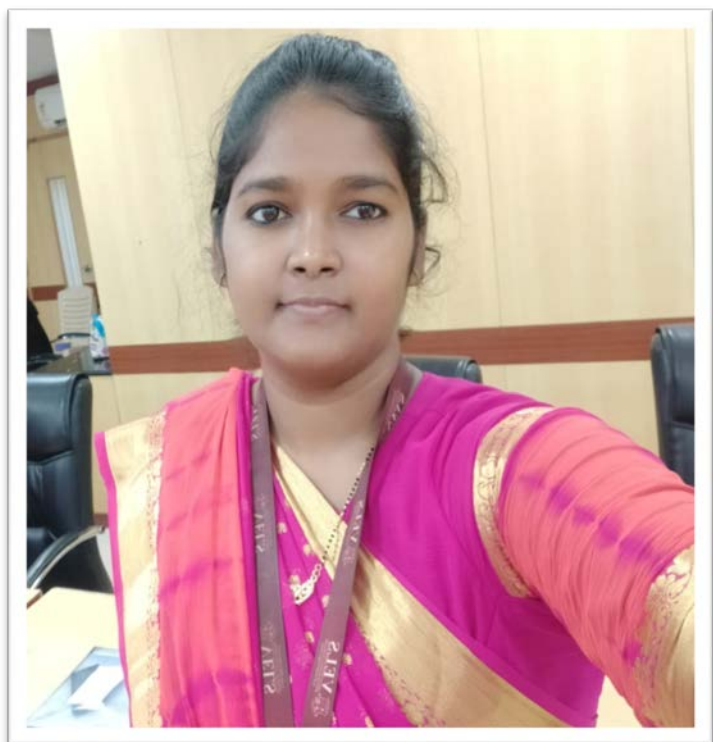
Founder Chief - Elephant Research Centre
Advisor - Pharmacology Club
Department of Pharmacology



Ms. V. Jayashree
Assistant Professor
Department of Pharmacology




Ms. K. Manjula Devi
Assistant Professor
Department of Pharmacology



Ms. Vaheeda Rehman Shaik
Assistant Professor
Department of Pharmacology



Dr. K. Eswari
Assistant Professor
Department of Pharmacology



**DEPARTMENT
OF
PHARMACEUTICS**



Dr. S. Satheesh Kumar
HOD – Department of Pharmaceutics



Dr. T.S. Shanmugarajan
Professor
Department of Pharmaceutics



Dr. D. Natrajan
Professor - Adjunct Faculty
Department of Pharmaceutics



Dr. I. Somasundaram
Associate Professor
Department of Pharmaceutics



Dr. Akila Devi
Associate Professor
Department of Pharmaceutics



Dr. S. Jeganath
Associate Professor
Department of Pharmaceutics



Mr. R. Ananthakumar
Associate Professor
Department of Pharmaceutics



Dr. S. Uma Devi
Associate Professor
Department of Pharmaceutics



Dr. M. Komala
Associate Professor
Department of Pharmaceutics




Ms. Keerthi G.S. Nair
Assistant Professor
Department of Pharmaceutics



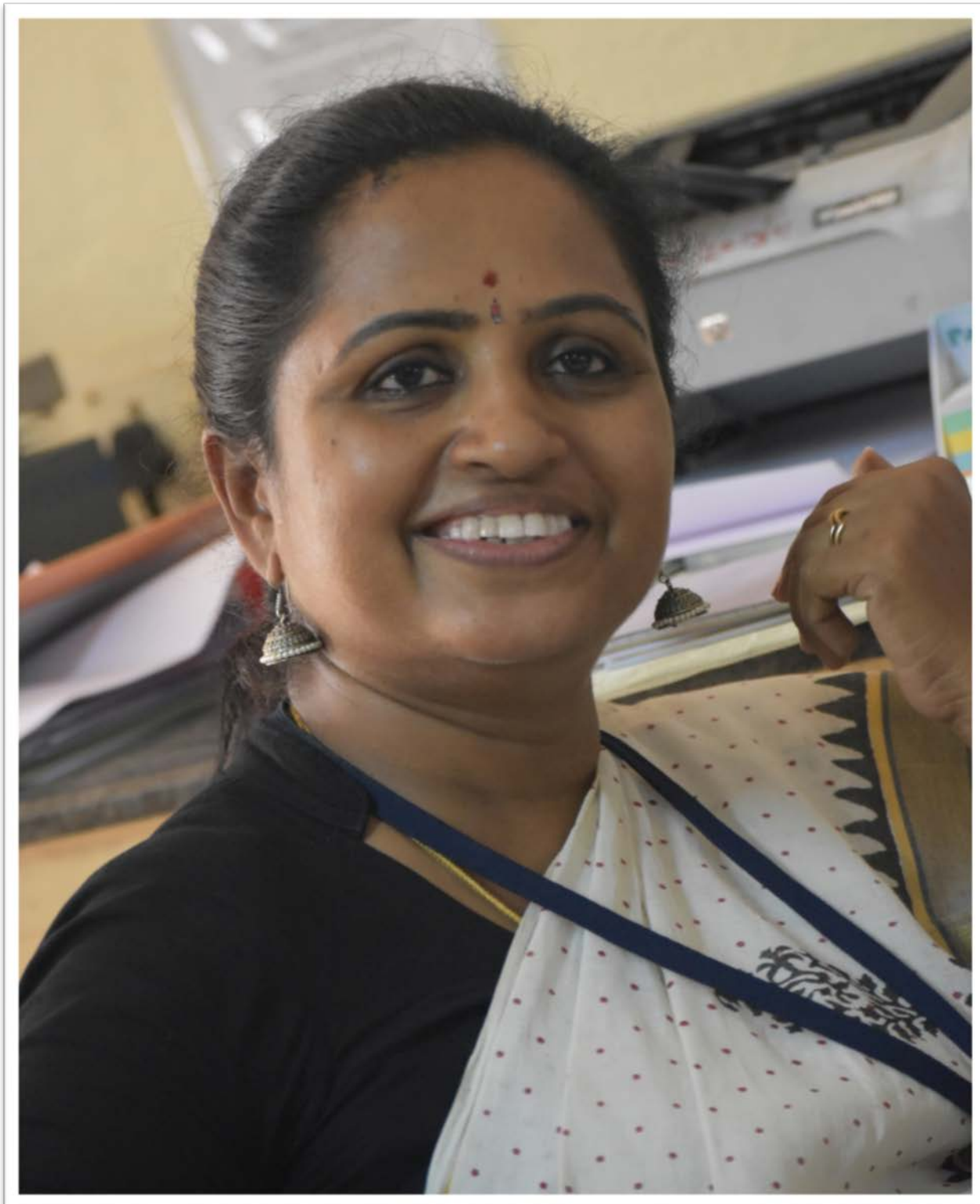
Mr. P.G. Mahesh
Assistant Professor
Department of Pharmaceutics



Ms. J. Padmavathy
Assistant Professor
Department of Pharmaceutics



**DEPARTMENT OF
PHARMACEUTICAL
CHEMISTRY &
ANALYSIS**



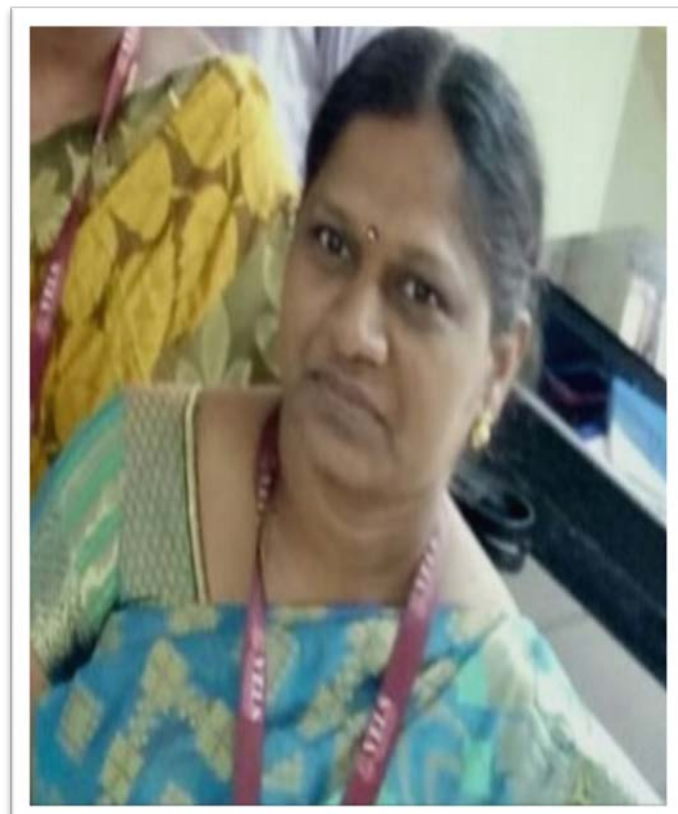
Dr. M. Vijey Aanandhi
HOD – Department of
Pharmaceutical Chemistry &
Analysis



Prof. M. Sekar Babu
Professor
Department of Pharmaceutical
Chemistry & Analysis



Dr. Binoy Varghese Cherian
Professor
Department of Pharmaceutical
Chemistry & Analysis



Dr. M. Sumithra
Associate Professor
Department of Pharmaceutical
Chemistry & Analysis



Dr. R. Gandhimathi
Associate Professor
Department of Pharmaceutical
Chemistry & Analysis



Mr. Ramachandran
Associate Professor
Department of Pharmaceutical
Chemistry & Analysis



Ms. Afroz Pathan
Assistant Professor Department of
Pharmaceutical Chemistry & Analysis



**DEPARTMENT
OF
PHARMACOGNOSY**



Dr. S. Jayakumari
HOD – Department of Pharmacognosy



Dr. Malarkodi Velraj
Professor
Department of Pharmacognosy



Dr. A. Vijayalakshmi
Associate Professor
Department of Pharmacognosy



Dr. E. Susithra
Associate Professor
Department of Pharmacognosy



**DEPARTMENT
OF
PHARMACY
PRACTICE**



Mr. M. Ashok Kumar
HOD – Department of Pharmacy
Practice



Dr. V. Mohanram
Professor
Adjunct Faculty
Department of Pharmacy Practice



Dr. P. Saranya
Associate Professor
Department of Pharmacy
Practice



Ms. P. Maheswari
Associate Professor
Department of Pharmacy
Practice



Dr. Vara Prasanna Rao
Assistant Professor
Department of Pharmacy
Practice



Ms. Pallavi Singh
Assistant Professor
Department of Pharmacy
Practice



Ms. P. Geetha
Assistant Professor
Department of Pharmacy
Practice



Dr. E. Bhavya
Assistant Professor
Department of Pharmacy
Practice



Dr. A. Ramya
Assistant Professor
Department of Pharmacy
Practice



Ms. S. Preethi
Assistant Professor
Department of Pharmacy
Practice

PHARMACOLOGY CLUB INAUGURATION

Date – 24/08/2016



UN OCEAN DAY

Students Seminar
(June 2017)





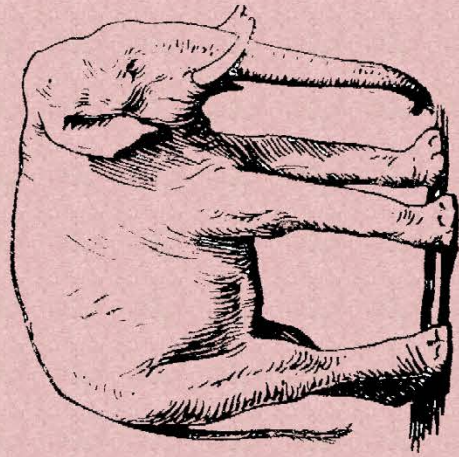
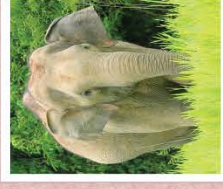
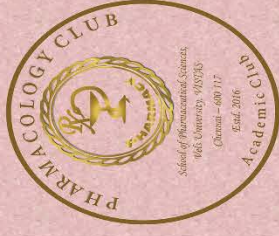
ELEPHANT RESEARCH CENTRE INAUGURATION

**ERC Inauguration
(27 October 2017)**



VELS UNIVERSITY
VELS INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES (VISTAS)
(Deemed to be University, Estd. vide O of the UGC Act, 1956)

NAAC ACCREDITED
PALLAVARAM · CHENNAI · INDIA



Inauguration of
ELEPHANT RESEARCH CENTRE
Centre for Elephant Disease Control
and Prevention (CEDCP)
&
Elephant Formulary (EF)



Inaugurated by
Dr. ISHARI K GANESH
Chancellor
Vels University (VISTAS)

Organized by
Department of Pharmaceutical Sciences
School of Pharmaceutical Sciences
Vels University (VISTAS)
Pallavaram, Chennai - 117
Tamil Nadu State, India

Date: 27/10/2017

Venue: Shivalaya



ELEPHANT RESEARCH CENTRE

[Centre for Elephant Disease Control and Prevention (CEDCP) & Elephant Formulary (EF)]

Department of Pharmacology

School of Pharmaceutical Sciences (SPS)

Vels University (VISTAS)

Pallavaram – Chennai - Tamil Nadu State - India



INDIA ACCREDITED
PALLAVARAM - CHENNAI - INDIA

*This board is sponsored by Pharmacology
Club Members (Academic Club)*

STEERING COMMITTEE

Dr. V. SANTHOSH KUMAR

Chief, Elephant Research Centre

Chair - Steering Committee

Head, Department of Pharmacology

School of Pharmaceutical Sciences (SPS)

Vels University (VISTAS)

Dr. P. SHANMUGASUNDARAM

Co-Chair - Steering Committee

Director, SPS

Vels University (VISTAS)

Dr. M. VIJAY AANANDHI

HOD - Pharmaceutical Chemistry, SPS

Vels University (VISTAS)

Dr. S. SATHEESH KUMAR

HOD - Pharmaceutics, SPS

Vels University (VISTAS)

Dr. T.S. SHANMUGARAJAN

Advisor - Stem cell research, SPS

Vels University (VISTAS)

ADVISORY COMMITTEE - ELEPHANT RESEARCH CENTRE

Dr. RAMAN SUKUMAR

Professor and Chairman

Centre for Ecological Sciences

Indian Institute of Science (IISC)

Bangalore

Karnataka State, India

Dr. JACOB CHERAN

Professor (Retd)

Senior Scientist (Drug Immobilisation)

HOD - Pharmacology and Toxicology

College of Veterinary and Animal Sciences

Mannuthy, Thrissur, Kerala State, India

Dr. ARUN ZACHARIAH

Forest Veterinary Officer

Wayanad Wildlife Sanctuary

Kerala State, India

SUSAN K. MIKOTA

Diplomate American College of

Animal Welfare

Director of Veterinary Programs

and Research

Elephant Care International

166 Limo View Lane, Hohenwald,

Tennessee, TN 38462, USA

Dr. S.R. SRINIVASAN

Professor (Retd), Former Dean

Faculty of Basic Sciences

Madras Veterinary College (MVC)

Tamil Nadu Veterinary and

Animal Sciences University

(TANUVAS)

Chennai, Tamil Nadu State, India

Dr. R. SRIDHAR

Professor and Head

Department of Veterinary Pathology

Madras Veterinary College (MVC)

Tamil Nadu Veterinary and Animal

Sciences University (TANUVAS),

Chennai, Tamil Nadu State, India

Dr. KUSHAL KONWAR SHARMA

Professor and Head

Department of Veterinary Surgery

and Radiology

College of Veterinary Science

Assam Agricultural University

Guwahati, Assam State, India

CHIEF PATRON, PATRON

& MEMBERS OF

VELS UNIVERSITY

(VISTAS)

Dr. ISHARI K GANESH

Chancellor, Vels University

Prof. Dr. A. JOTHI MURUGAN

Pro-Chancellor

Prof. Dr. P. SWAMINATHAN

Vice-Chancellor (i/c)

Prof. Dr. A.R. VEERAMANI

Registrar

Prof. Dr. S. SIVASUBRAMANIAN

Advisor (Research & Development)

Prof. Dr. P. GOVINDARAJAN

Special Officer

ELEPHANT RESEARCH CENTRE

Department of Pharmacology

School of Pharmaceutical Sciences

Vels University (VISTAS), Pallavaram, Chennai, Tamil Nadu, India

inaugurated by

Dr. ISHARI K GANESH

Chancellor, Vels University

on 27 October 2017

In the presence of

Prof. S. R. SRINIVASAN

Professor

Faculty of Basic Sciences

Madras Veterinary College (MVC)

Tamil Nadu Veterinary and Animal Sciences University (TANUVAS)

Chennai, Tamil Nadu, India

&

Dr. V. SANTHOSH KUMAR

Chief, Elephant Research Centre

Chair - Steering Committee, Elephant Research Centre

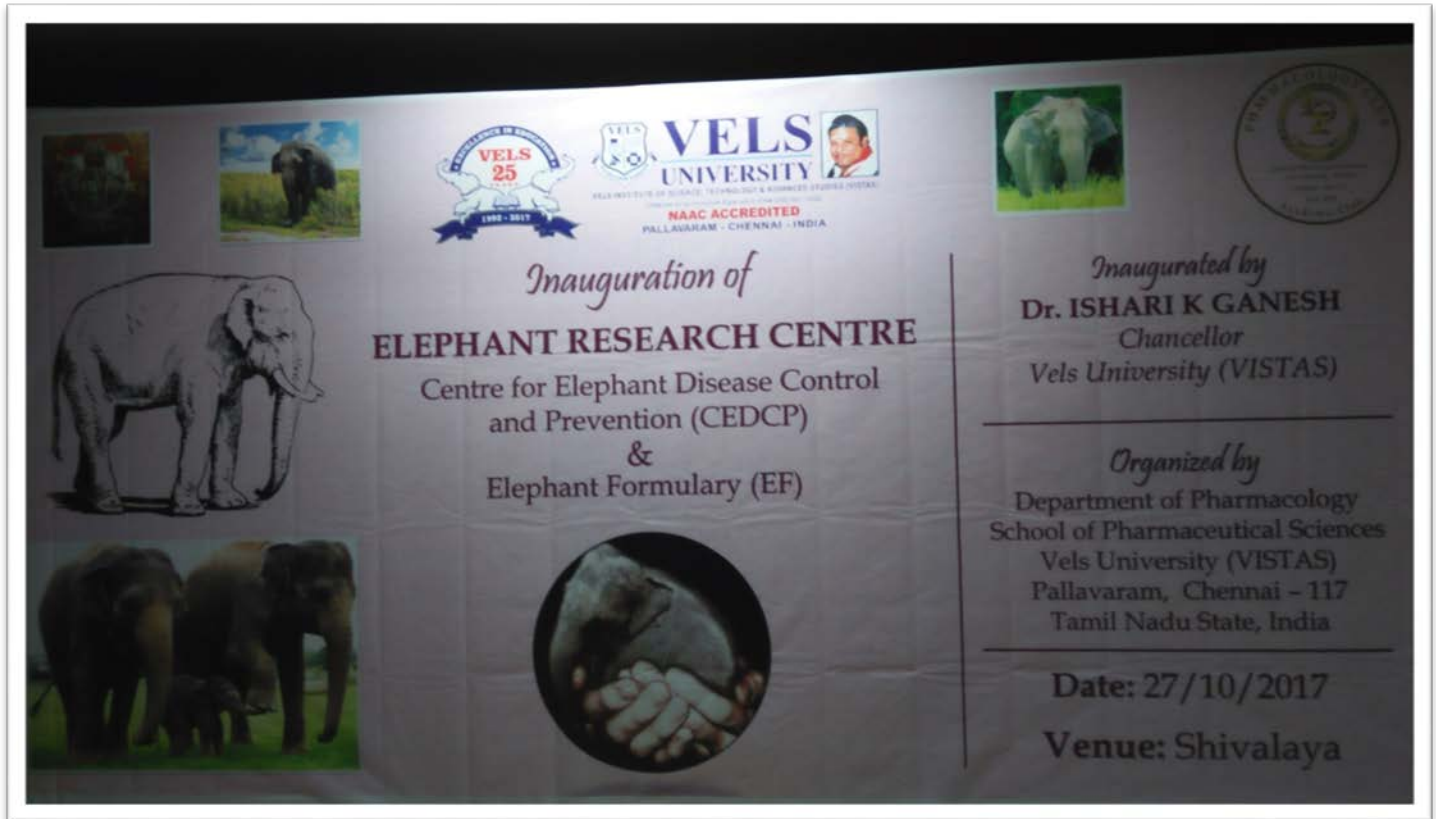
Head - Department of Pharmacology

HODs, Faculties & Students of School of Pharmaceutical Sciences,

Vels University (VISTAS)

ELEPHANT RESEARCH CENTRE INAUGURATION

ERC Inauguration
(27 October 2017)





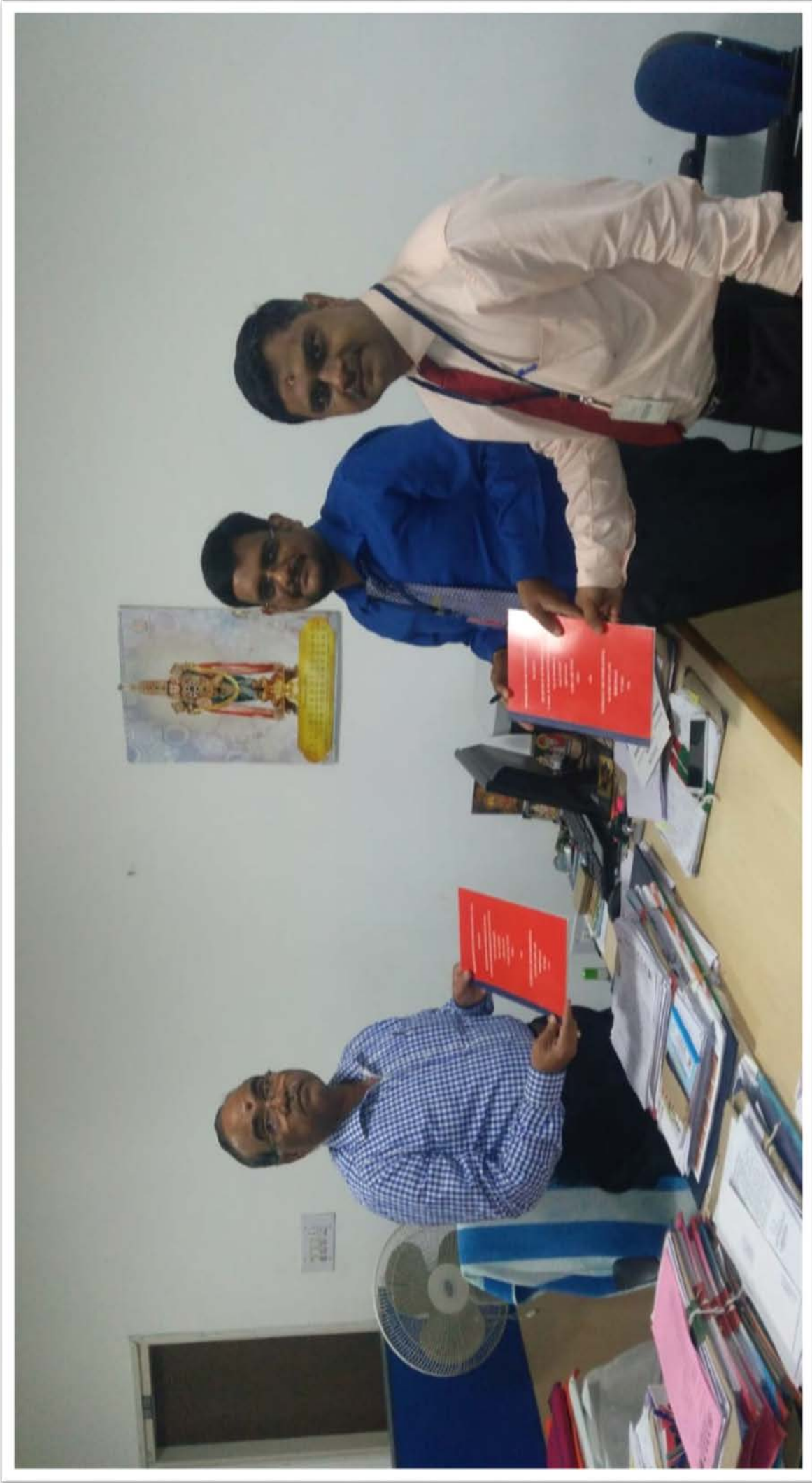






MoU

Memorandum of Understanding



**MoU between Elephant Research Centre and
Elephant Care International, TN, USA**

WORLD SIDDHA DAY (AGATH DAY)

**Guest Lecture
(21 March 2018)**



















ELEPHANT CONFERENCE 2

**National Conference
(11 April 2018)**



“SAVE THE
ELEPHANT”

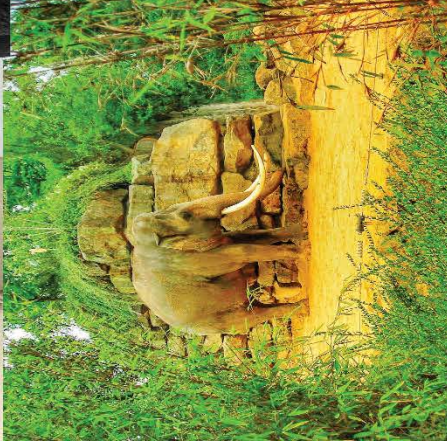


“WAR ELEPHANTS
WERE THE TANKS
OF ANCIENT
WORLD”



ELEPHANT CONFERENCE 2

DEPARTMENT OF PHARMACOLOGY
SCHOOL OF PHARMACEUTICAL SCIENCES
April 11, 2018 - Wednesday @ Shivalaya auditorium, VVSTAS







ELEPHANT CONFERENCE 2

National Conference
(11 April 2018)























UN ENVIRONMENTAL DAY

Awareness Campaign
(04 June 2018)



VELS
INSTITUTE OF SCIENCE, TECHNOLOGY
& ADVANCED STUDIES (VISTAS)
(DEEMED TO BE UNIVERSITY E86, U6 3 OF THE UGC ACT, 1956)
NAAC ACCREDITED
PALLAVARAM - CHENNAI - INDIA



**BEAT
PLASTIC
POLLUTION**



**WORLD
ENVIRONMENT
DAY**



**INDIA
2018**

UN
environment



*Pharmacology club (Academic club)
Department of Pharmacology
School of Pharmaceutical Sciences
VISTAS, CHENNAI, TN, INDIA*

Celebrates



**UNITED NATIONS
WORLD ENVIRONMENT DAY
2018**

BEAT PLASTIC POLLUTION

04 June, 2018

@ VISTAS, 10.00 AM



**WORLD
ENVIRONMENT DAY**



(DEEMED TO BE UNIVERSITY EQUIV. AS PER THE UGC ACT, 1956)
NAAC ACCREDITED
 PALLAVARAM - CHENNAI - INDIA



BEAT PLASTIC POLLUTION



WORLD ENVIRONMENT DAY



Source: <https://www.unenvironment.org/interactive/beat-plastic-pollution/>

Our Planet is drowning in Plastic Pollution

1. Normally, plastic items can take up to 1000 years to decompose in landfills.
2. Plastic bags we use in our everyday life take 10-1000 years to decompose.
3. Plastic bottles can take 450 years or more.
4. In July a paper published in the journal Science Advances by industrial ecologist Dr Roland Geyer, from the University of California in Santa Barbara, and colleagues, **calculated the total volume of all plastic ever produced at 8.3bn tonnes.**
5. Of this, some 6.3bn tonnes is now waste - and 79% of that is in landfill or the natural environment.

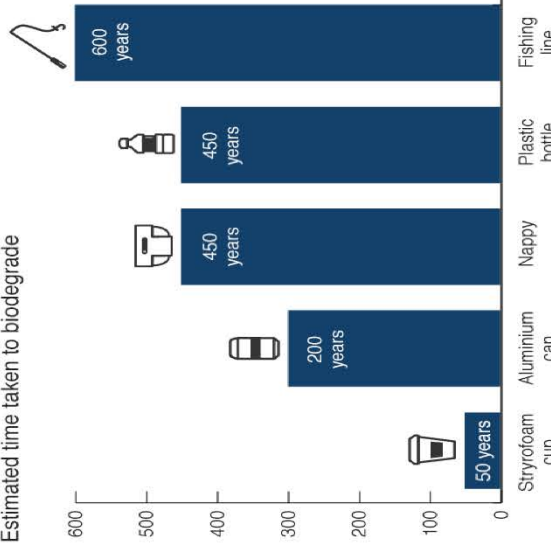
How can you 'reduce the use'?

Action to reduce plastic Will you do it?

1. Buy loose fruit and veg rather than pre-packaged
2. Buy washing powder in a cardboard box
3. Buy bars of soap rather than liquid soap
4. Order drinks that come in glass bottles
5. Stop using single-use, plastic-fibre wipes
6. Stop using plastic bottles and plastic cups
7. Use a reusable water bottle and cup
8. Take reusable bags to the shops
9. Cut down on takeaways in plastic boxes
10. Use refillable cleaning and toiletry products
11. Stop using plastic straws
12. Buy in bulk rather than buying individually wrapped items
13. Reuse jars and containers for storing food and leftovers
14. Use glass or metal containers for storing and protecting food, rather than plastic food bags, plastic containers and cling film
15. Use loose-leaf tea rather than teabags, as these may contain plastic
16. Use reusable chopsticks and cutlery
17. Avoid facial and body scrubs containing plastic microbeads

How long til they're gone?

Estimated time taken to biodegrade



Exact time will vary by product type and environmental conditions

Source: NOAA / Woods Hole Sea Grant

BBC



UN ENVIRONMENTAL DAY

Awareness Campaign
(04 June 2018)









UN OCEAN DAY

Awareness Campaign
(08 June 2018)



VELS

INSTITUTE OF SCIENCE, TECHNOLOGY
& ADVANCED STUDIES (VISTAS)

(DEEMED TO BE UNIVERSITY Estd. u/s 3 OF THE UGC ACT, 1956)

NAAC ACCREDITED
PALLAVARAM - CHENNAI - INDIA



ஐக்கிய நாடுகள் கொண்டாடும்

உலகப் பெருங்கடல்கள் தினம்

ஜூன் 8, 2018

Save Oceans

UNITED NATIONS
WORLD OCEANS DAY
June 8, 2018

பெருங்கடலைக்
காப்பாற்றுங்கள்

Celebrated by

Department of Pharmacology

School of Pharmaceutical Sciences

Vels Institute of Science, technology &

Advanced Studies

VISTAS, Chennai, Tamil Nadu, India

on 13th june, 2018

VENUE: VISTAS Campus

TIME: 10.00 am



AWARENESS CAMPAIGN by
 Department of Pharmacology
 School of Pharmaceutical Sciences
 VISTAS - CHENNAI - TAMIL NADU - INDIA

Source: <https://www.nationalgeographic.com/environment/oceans/take-action/10-things-you-can-do-to-save-the-ocean/>

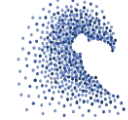
1. MIND YOUR CARBON FOOTPRINT AND REDUCE ENERGY CONSUMPTION - Reduce the effects of climate change on the ocean by leaving the car at home when you can and being conscious of your energy use at home and work. Switch to compact fluorescent light bulbs, take the stairs, and bundle up or use a fan to avoid oversetting your thermostat.
2. MAKE SAFE, SUSTAINABLE SEAFOOD CHOICES - Choose seafood that is both healthful and sustainable.
3. USE FEWER PLASTIC PRODUCTS - Carry a reusable water bottle
4. HELP TAKE CARE OF THE BEACH
5. DON'T PURCHASE ITEMS THAT EXPLOIT MARINE LIFE - Avoid purchasing items such as coral jewellery, tortoise shell hair accessories (made from hawksbill turtles), and shark products.
6. BE AN OCEAN-FRIENDLY PET OWNER
7. SUPPORT ORGANIZATIONS WORKING TO PROTECT THE OCEAN
8. INFLUENCE CHANGE IN YOUR COMMUNITY
9. TRAVEL THE OCEAN RESPONSIBLY
10. EDUCATE YOURSELF ABOUT OCEANS AND MARINE LIFE

UNITED NATIONS
WORLD OCEANS DAY
 June 8, 2018

Save Oceans

பெருங்கடலைக் காப்பாற்றுங்கள்

Our planet could be home to another 33 billion tonnes of plastic by 2050.



clean seas
 turn the tide on plastic

Every year, the world throws away over 1 trillion plastic bags that destroy our oceans.

The plastic in our oceans may outweigh the fish that call them home by 2050.



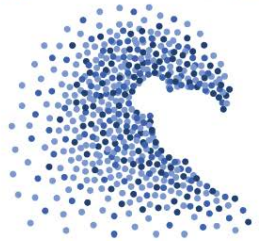
Up to 51 trillion microplastic particles have accumulated in our oceans.

Marine litter harms over 600 marine species. Some of them eat it. Others become entangled in it and die.

A cosmetic product can contain as much plastic as the packaging it comes in.



Our planet could be home to another 33 billion tonnes of plastic by 2050.



clean seas

turn the tide on plastic

Every year, the world throws away over 1 trillion plastic bags that destroy our oceans.

The plastic in our oceans may outweigh the fish that call them home by 2050.



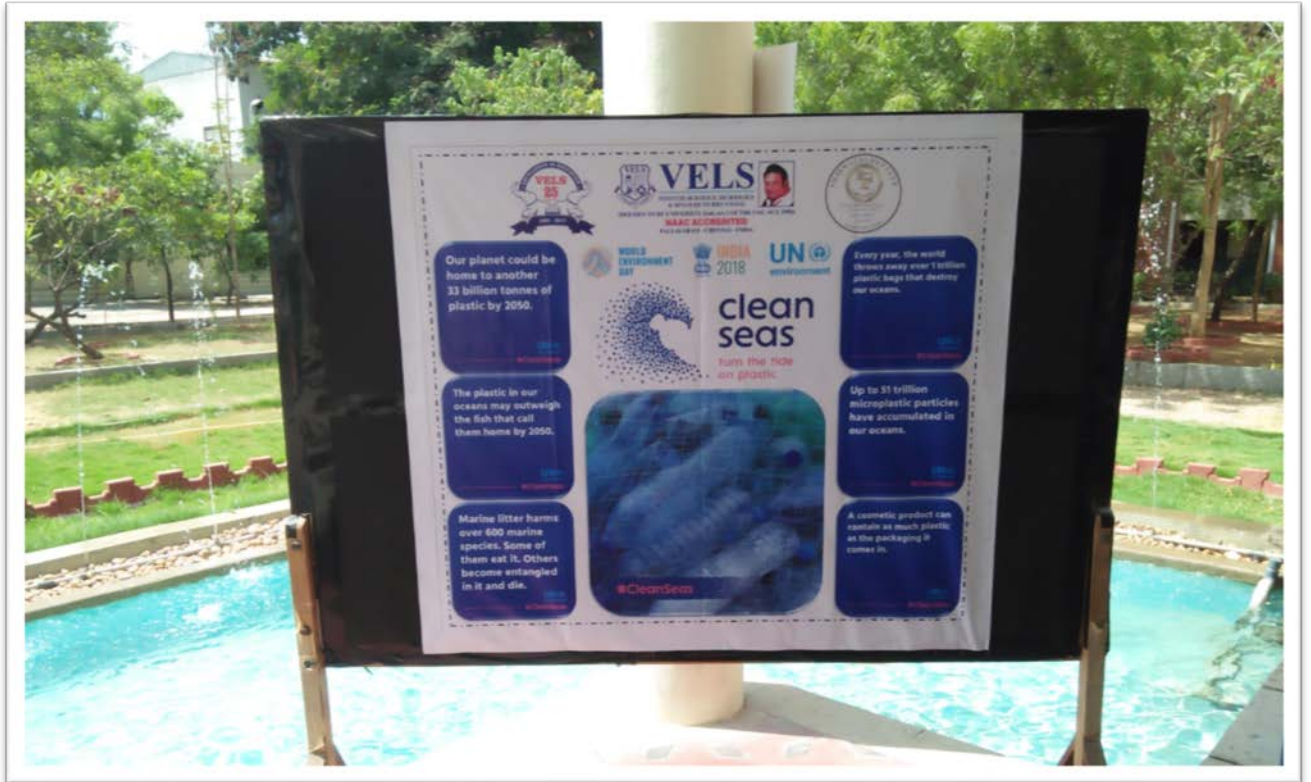
Up to 51 trillion microplastic particles have accumulated in our oceans.

Marine litter harms over 600 marine species. Some of them eat it. Others become entangled in it and die.

A cosmetic product can contain as much plastic as the packaging it comes in.

UN OCEAN DAY

Awareness Campaign
(08 June 2018)





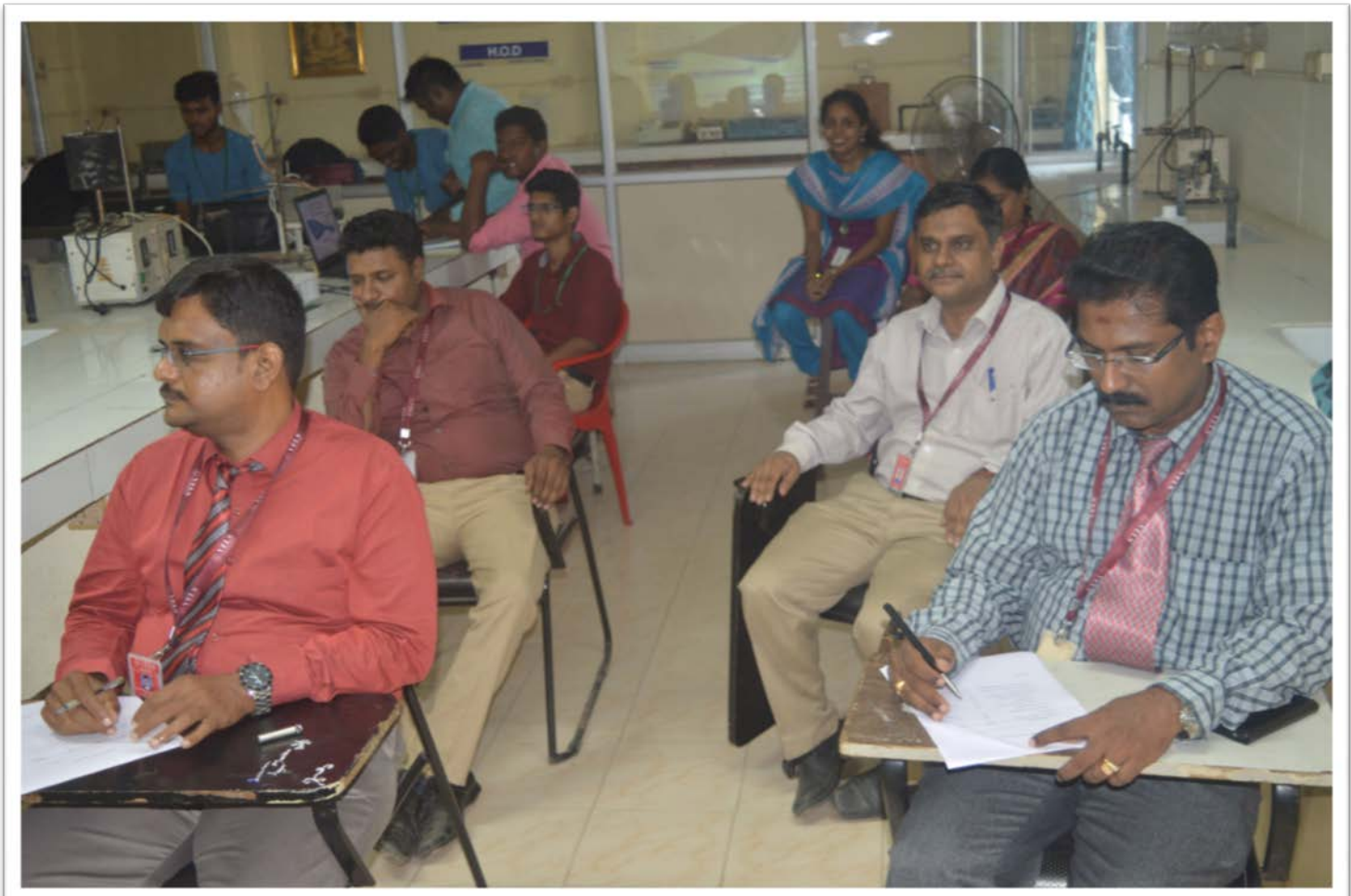
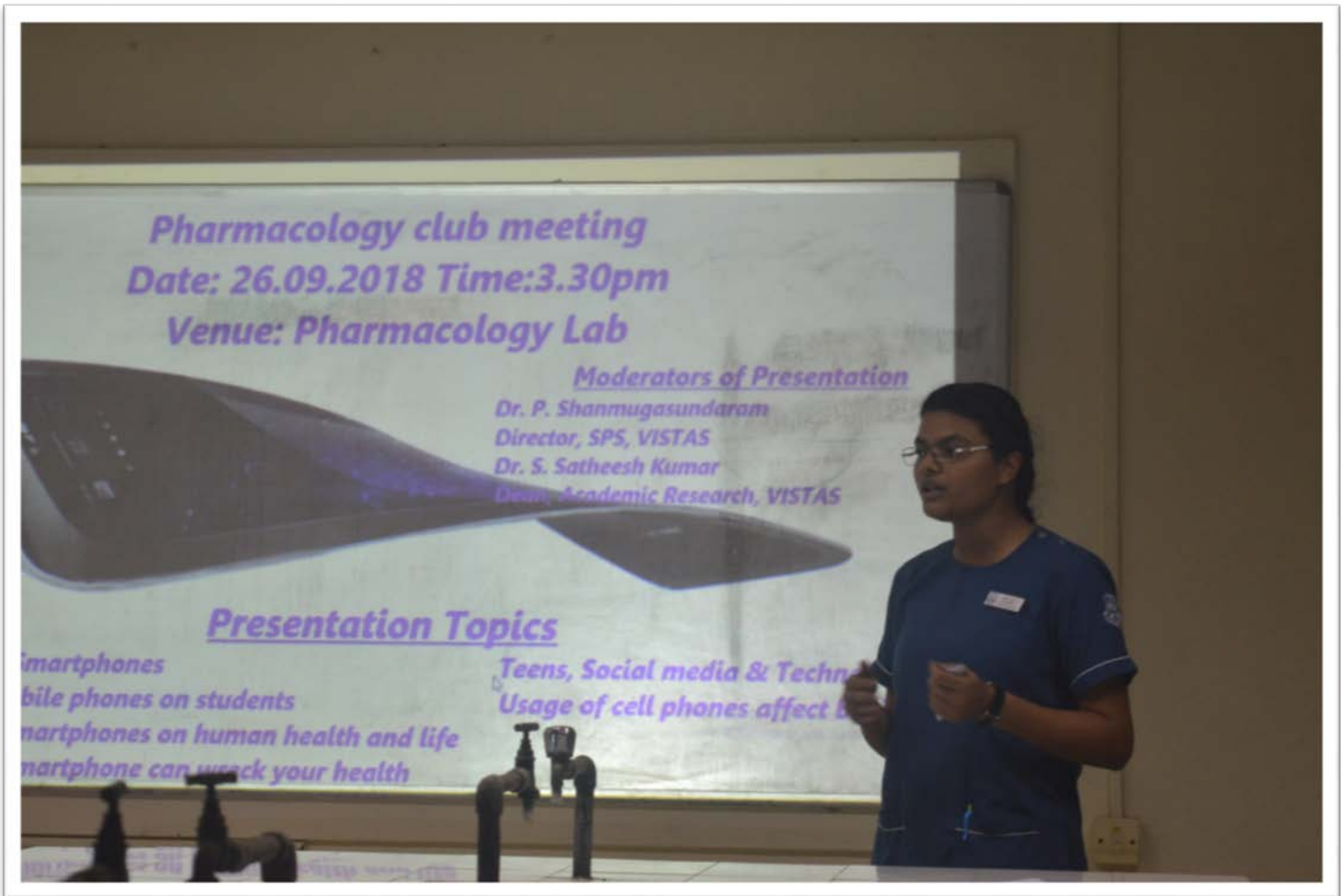


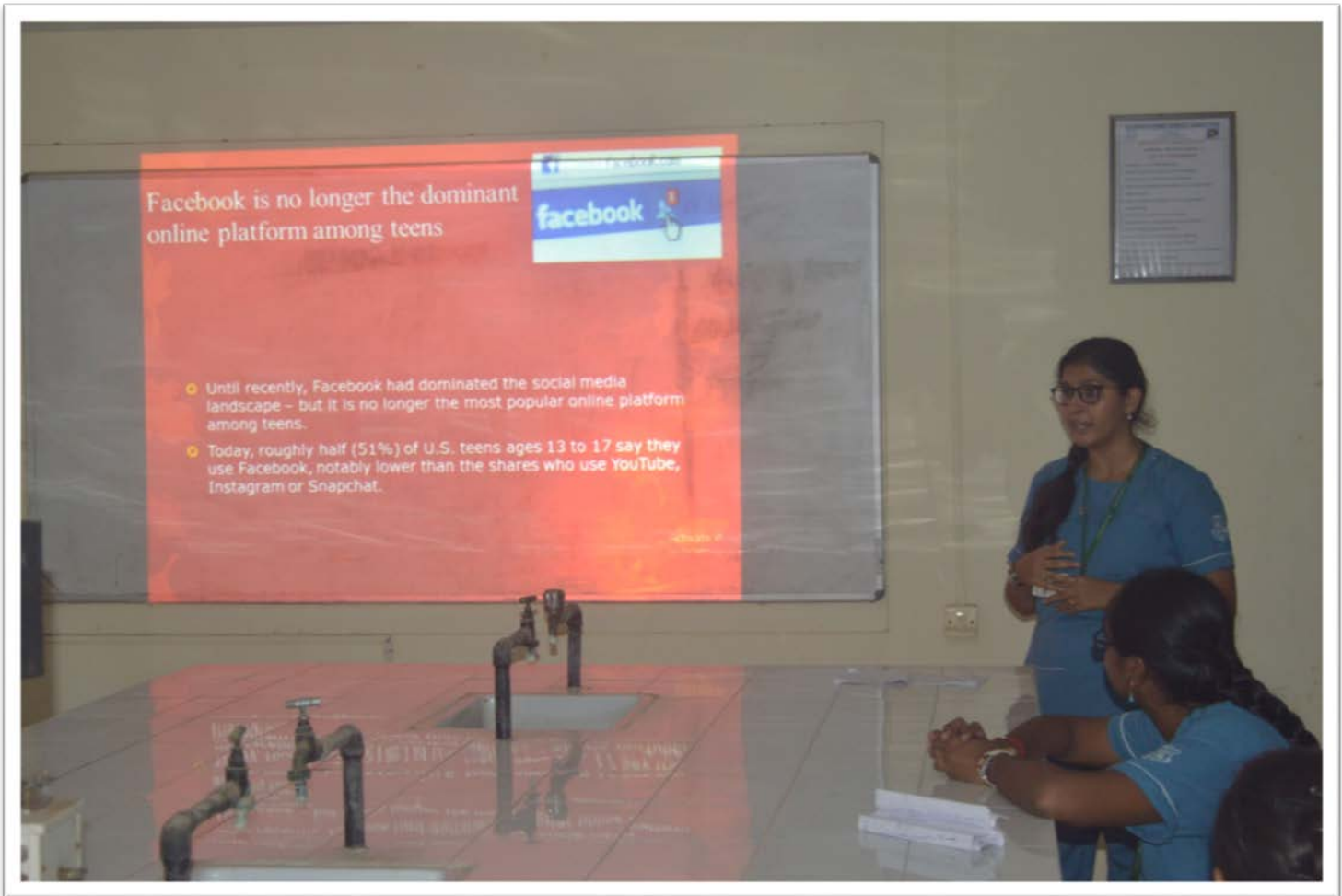
USAGE OF MOBILE PHONES

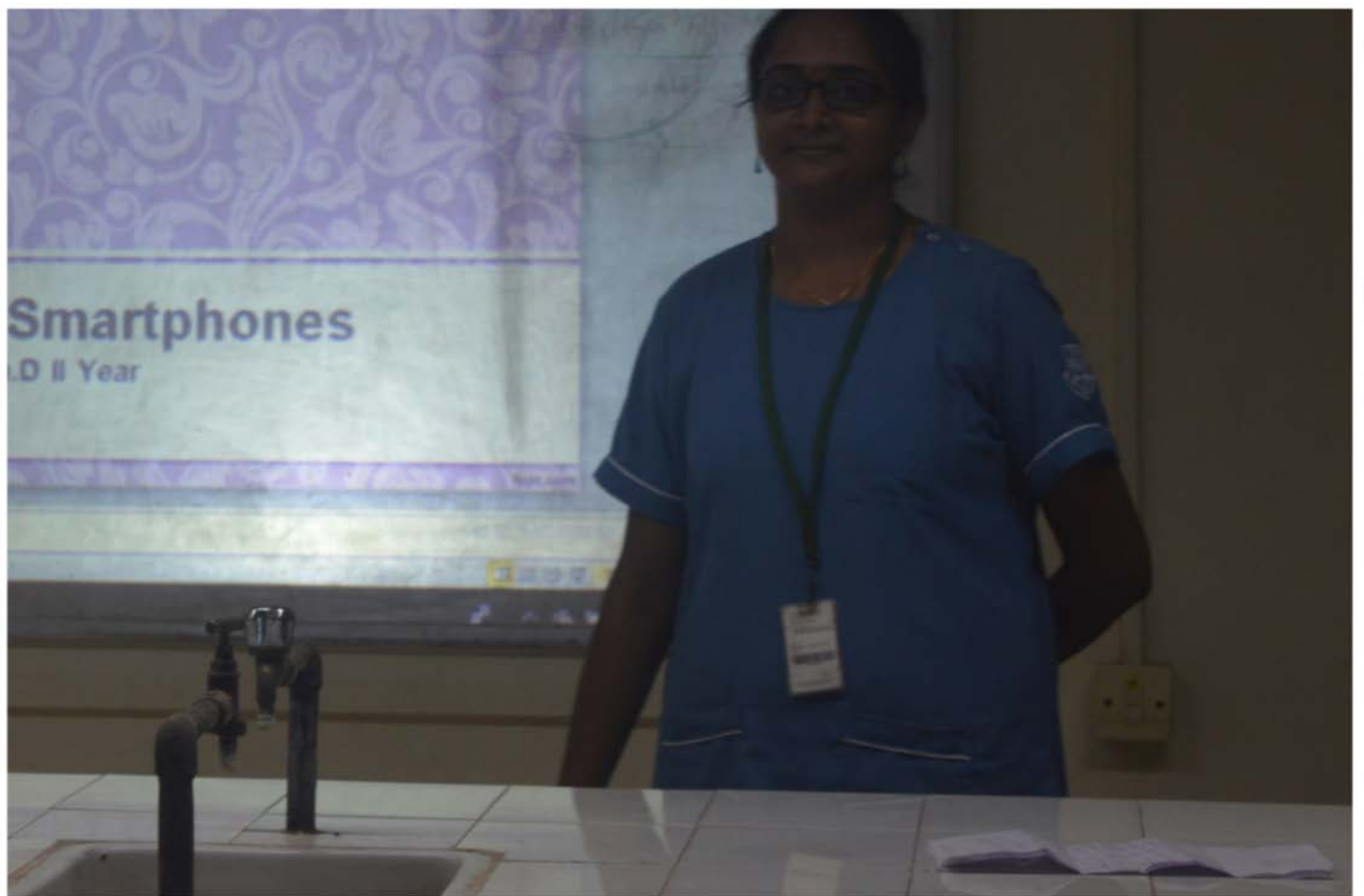
Students Seminar
(26 Sep 2018)

USAGE OF MOBILE PHONES

Students Seminar
(26 September 2018)





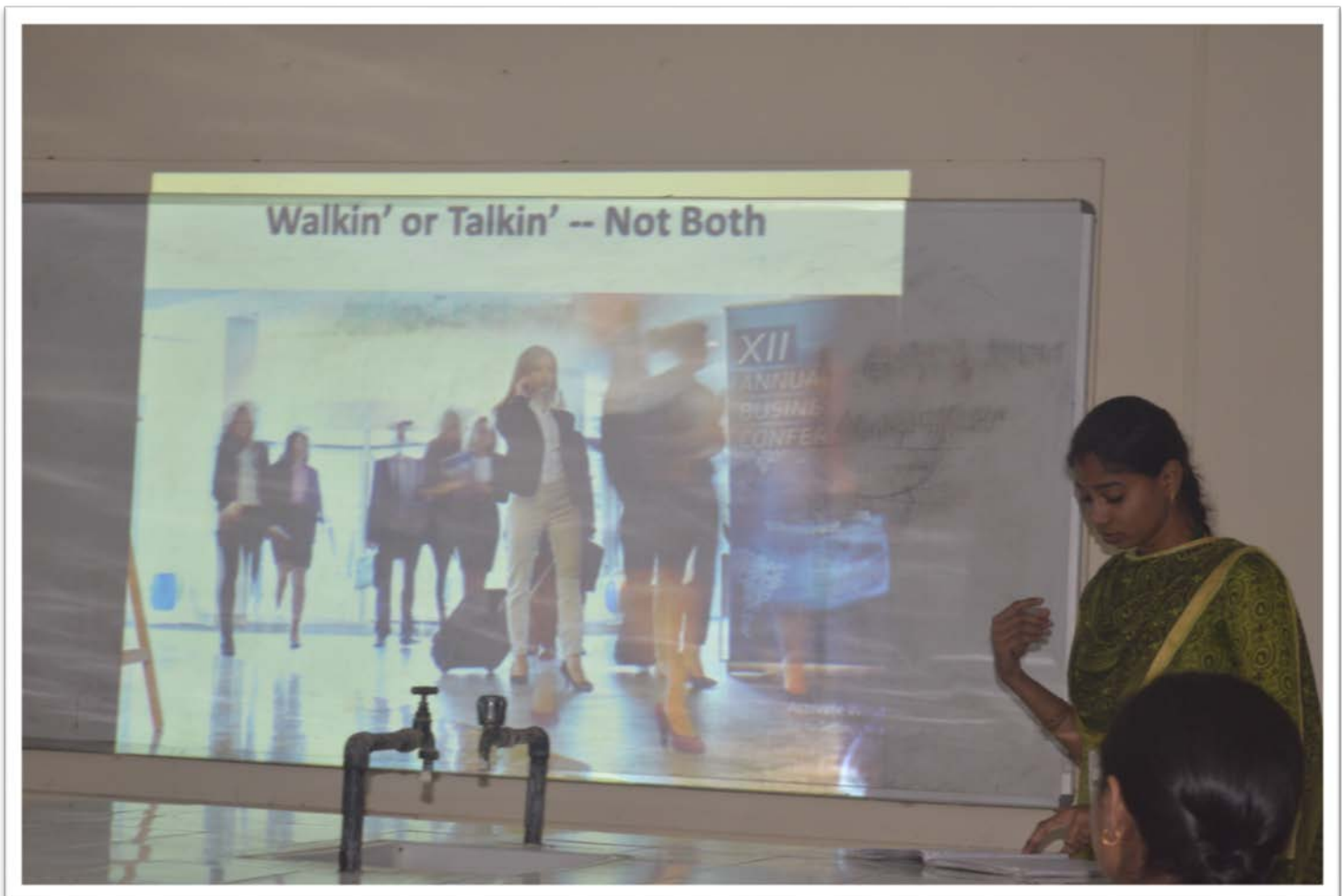


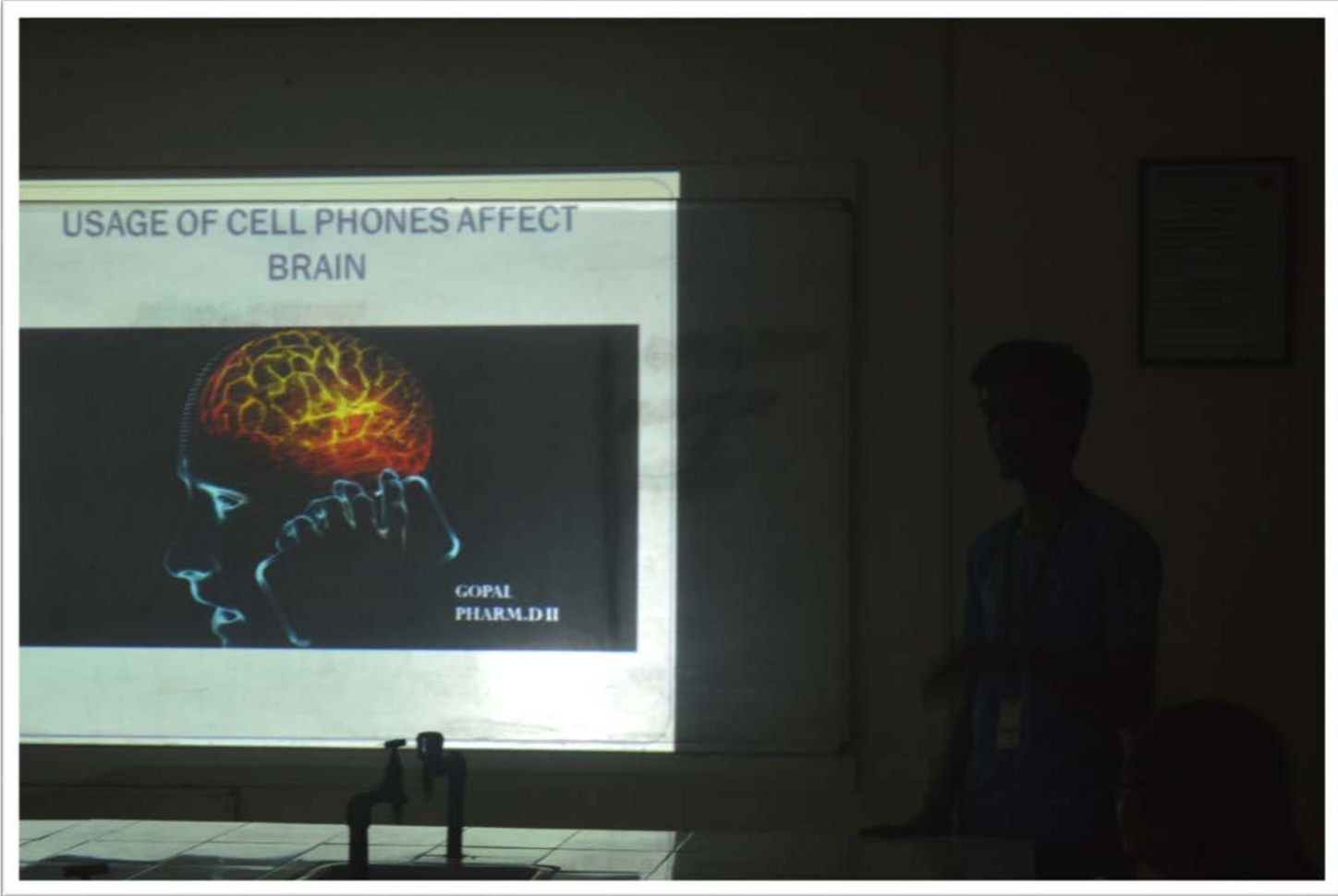




...n time improves your
...o to a point (Credit:















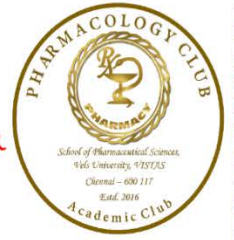




UN CLIMATE CHANGE

Awareness Campaign
& Students Seminar
(24 Jan 2019)

*Credit: <https://www.un.org/en/climatechange/>
<https://www.un.org/en/climatechange/un-climate-summit-2019.shtml>*

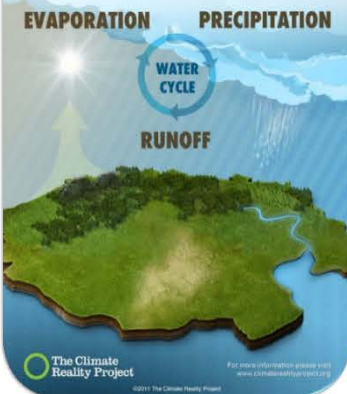


AWARENESS CAMPAIGN & STUDENT SEMINAR
DEPARTMENT OF PHARMACOLOGY
SCHOOL OF PHARMACEUTICAL SCIENCES
VISTAS - CHENNAI - TAMIL NADU - INDIA

ORGANIZED BY PHARMACOLOGY CLUB
25 JANUARY 2019

HOW CLIMATE CHANGE IMPACTS WEATHER
THE SCIENCE

- Higher temperatures mean there is more evaporation from the land and sea into the atmosphere.
- As air gets warmer, it can hold more water vapor. This can lead to more intense rainstorms.
- Intense rainstorms increase the risk of flooding. Much of the water runs off into rivers and streams, doing little to dampen soil.
- This, combined with increased temperatures, increases the risk of drought.



COP24 KATOWICE 2018
 UNITED NATIONS CLIMATE CHANGE CONFERENCE



UN CLIMATE CHANGE
ஐ.நா பருவநிலை மாற்றம்



Climate Change
Causes, Impacts, and Prevention

“A change in the state of the climate that can be identified (e.g. using statistical tests) by changes in the mean and/or the variability of its properties, and that persists for an extended period, typically decades or longer. It refers to any change in climate over time, whether due to natural variability or as a result of human activity – IPCC.”

Major GHG Gases & Their Contribution to Greenhouse Effect

GHG (ppm)	Contribution
H ₂ O (6)	36-72%
CO ₂ (40)	8-26%
CH ₄ (1.8)	4-9%
O ₃ (0.04)	3-7%

Greenhouse effect prevents heat radiation from earth which causes rising in land and ocean temperature

Atmospheric CO₂ concentration has been increased from 280 ppm in 1750 to 400 ppm in 2012

Major CO₂ Emitters in 2014

Sources of GHG Gases

- Transportation (Car)
- Electricity generation (Lightbulb)
- Deforestation (Tree)
- Household (House)
- Industrialization (Factory)
- Urbanization (City)
- Agriculture (Corn)
- Fossil fuel combustion (Flame)
- Livestock (Cow)
- Animal respiration (Dog)

Impacts of Climate Change

- Temperature will rise from 2.5-10 degrees Fahrenheit over the next century
- Sea level will rise 1-4 feet by 2100
- Droughts and desertification will be intense
- Amount and pattern of precipitation will change
- Many plant and animal species will become extinct
- Rice and wheat production will reduce by 10% and 30% respectively by 2050
- Various health problems and diseases will increase
- About 250 million people will become climate refugees by 2050

How Can We Prevent Climate Change?

- Use green energy
- Increase plantation
- Recycle and reuse
- Use green and energy efficient transport
- Educate future generation
- Stop deforestation
- Make awareness
- Purchase green products
- Make donation
- Make your home environment friendly

© Md. Mahadi Hassan
<https://www.facebook.com/mahadihasan>
<https://www.wordpress.com/mahadihasan>
<https://bd.linkedin.com/in/mahadihasan>
<https://twitter.com/MdMahadiHasan>





COP24-KATOWICE 2018
UNITED NATIONS CLIMATE CHANGE CONFERENCE



AWARENESS CAMPAIGN - 13 DEC 2018

DEPARTMENT OF PHARMACOLOGY

SCHOOL OF PHARMACEUTICAL SCIENCES

VISTAS - CHENNAI -TAMIL NADU - INDIA

UN CLIMATE CHANGE (ஐ.நா பருவநிலை மாற்றம்)

Credit: <http://www.cop24.gov.pl>
Credit: <http://www.un.org/en/climatechange>

Credit: <https://www.nasa.gov/audience/forstudents/k-4/stories/nasa-knows/what-is-climate-change-k4.html>

❖ **WHAT IS CLIMATE CHANGE?**

Climate change is a change in the usual weather found in a place. This could be a change in how much rain a place usually gets in a year. Or it could be a change in a place's usual temperature for a month or season.

Climate change is also a change in Earth's climate. This could be a change in Earth's usual temperature. Or it could be a change in where rain and snow usually fall on Earth.

❖ **KEY IMPACTS OF CLIMATE CHANGE**

1. Global Warming
2. Extreme Climate Events (Droughts, Floods and Storms)
3. Undernourishment
4. Food stability, utilization and access



❖ **IMPACT ON CLIMATE CHANGE ON HUMAN HEALTH**

Humans are sensitive to extraordinary environmental and climate change which can lead to deterioration of health and well - being (Stress, Trauma, Diseases, mental disorder, decrease of working capacity, social disorder)

❖ **INDIRECT IMPACT OF CLIMATE CHANGE ON HUMANS ARE AS FOLLOWS:**

1. Decrease of crop quality and food availability
2. Lack of drinking water
3. Invasion of vector borne diseases (Malaria, Dengue etc.)

❖ **CLIMATE CHANGE EFFECTS ON HUMAN HEALTH CAN BE DIVIDED INTO PRIMARY, SECONDARY AND TERTIARY**

1. Primary - Heat waves, cold waves, injuries, floods, fires
2. Secondary - Infectious diseases especially vector borne, allergies, air pollution
3. Tertiary - Famine, conflicts, population displacement, refugees

❖ **CLIMATE CHANGE PROVOKED THE SOCIO-ECONOMIC RESPONSES OF COMMUNITY**

1. Migration of population due to drought or flooding
2. Homelessness

Credit: <http://www.fao.org/docrep/015/i2498e/i2498e.pdf>

Credit: <http://www.geo.lu.lv/projekti/gzzf.pdf>



❖ **IMPACT OF CLIMATE CHANGE ON SPECIES**

1. The world already faces a biodiversity extinction crisis, and it is likely to be made worse by climate change.
2. The world is undergoing an extinction crisis - the most rapid loss of biodiversity in the planet's history - and this loss is likely to accelerate as the climate changes.

❖ **NATURE'S ROLE IN FIGHTING CLIMATE CHANGE**

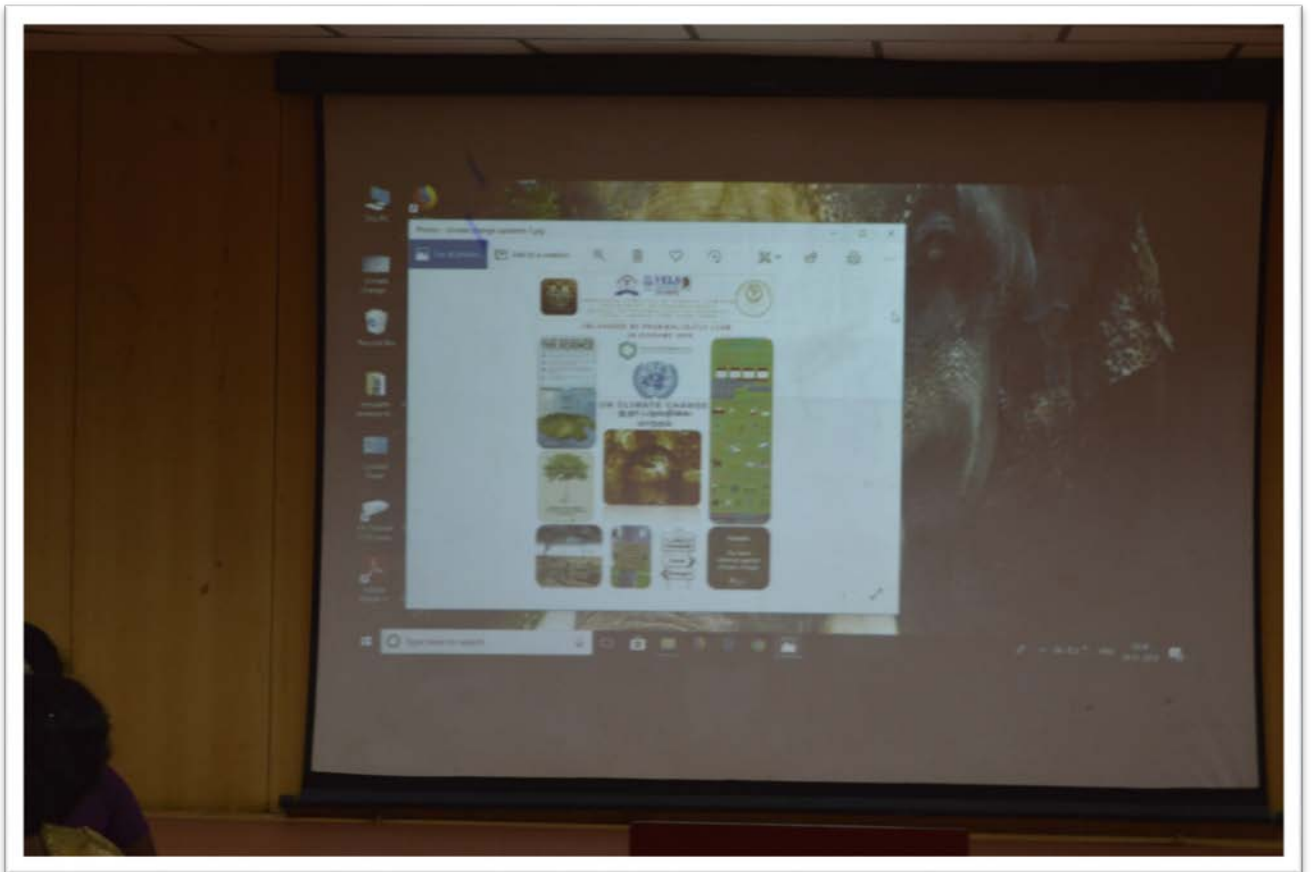
1. Conserving the planet's natural systems is an essential response to the climate crisis.
2. Halting the destruction of tropical forests is a cost-effective and necessary way to reduce greenhouse gas emissions now.
3. Mitigating climate change will also require reducing CO2 emissions by increasing energy efficiency and developing carbon-free energy sources



UN CLIMATE CHANGE

Awareness Campaign &
Students Seminar
(24 Jan 2019)













WATER AS A SOURCE OF LIFE

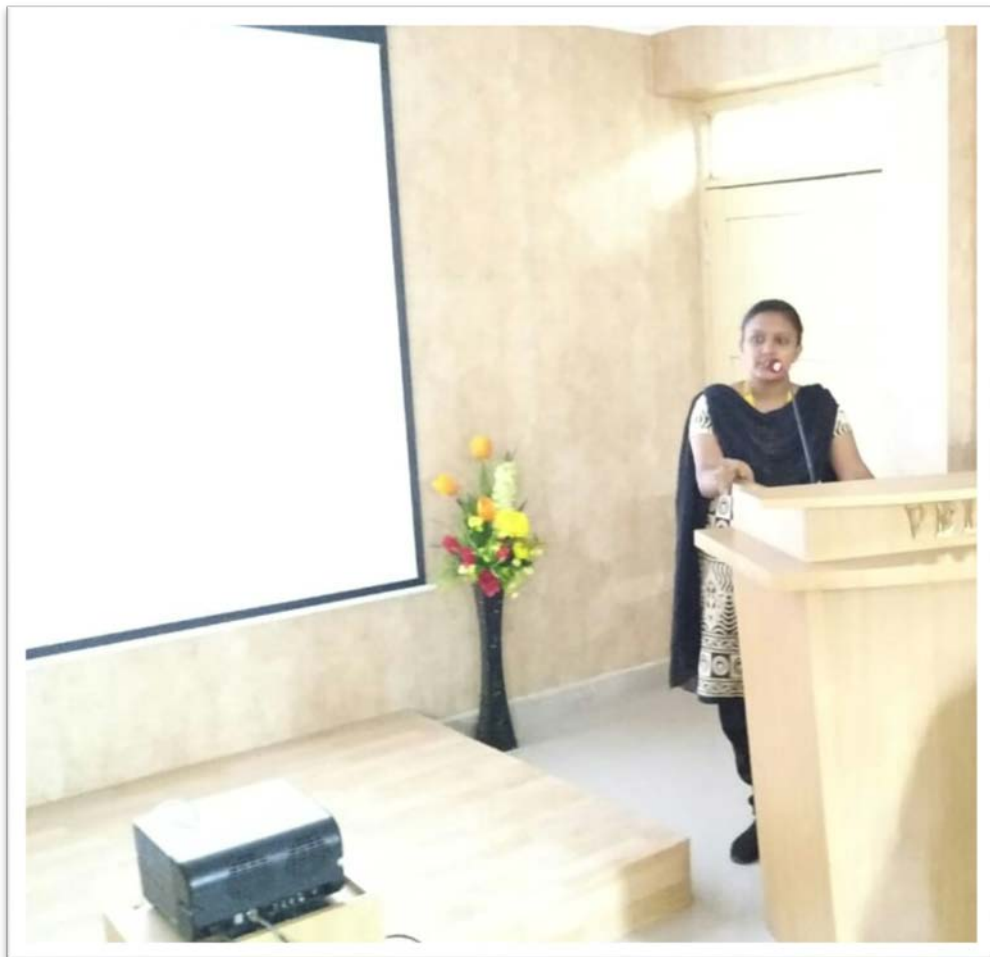
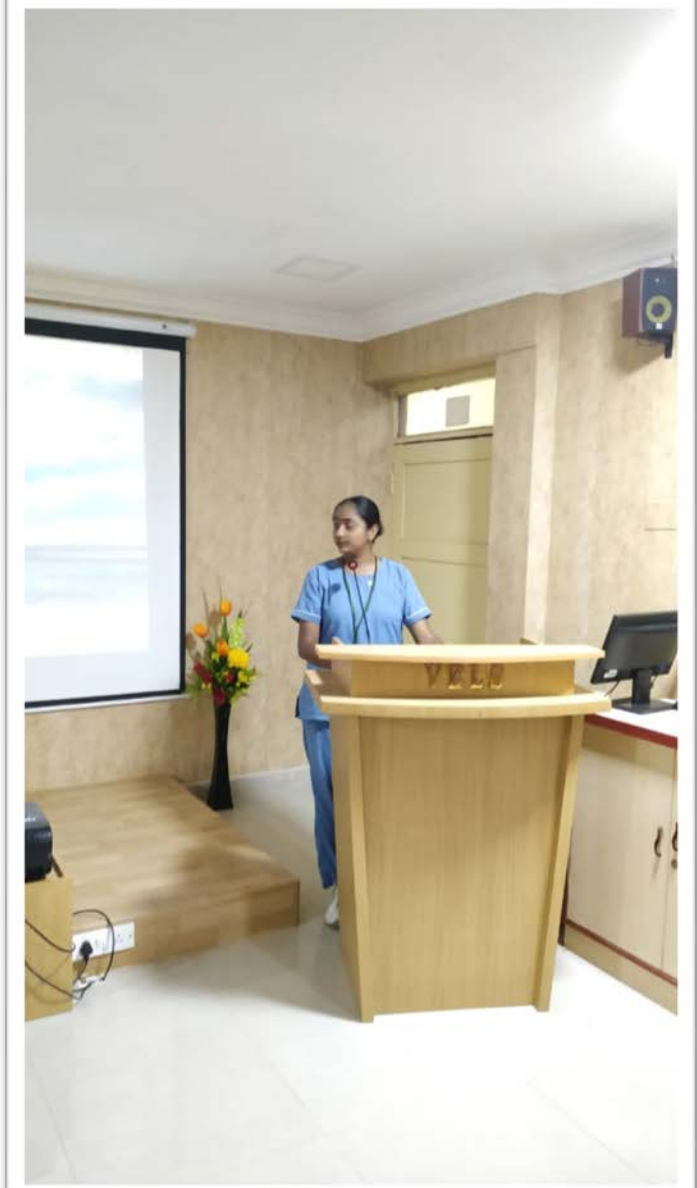
**Student Seminar
(12 July 2019)**

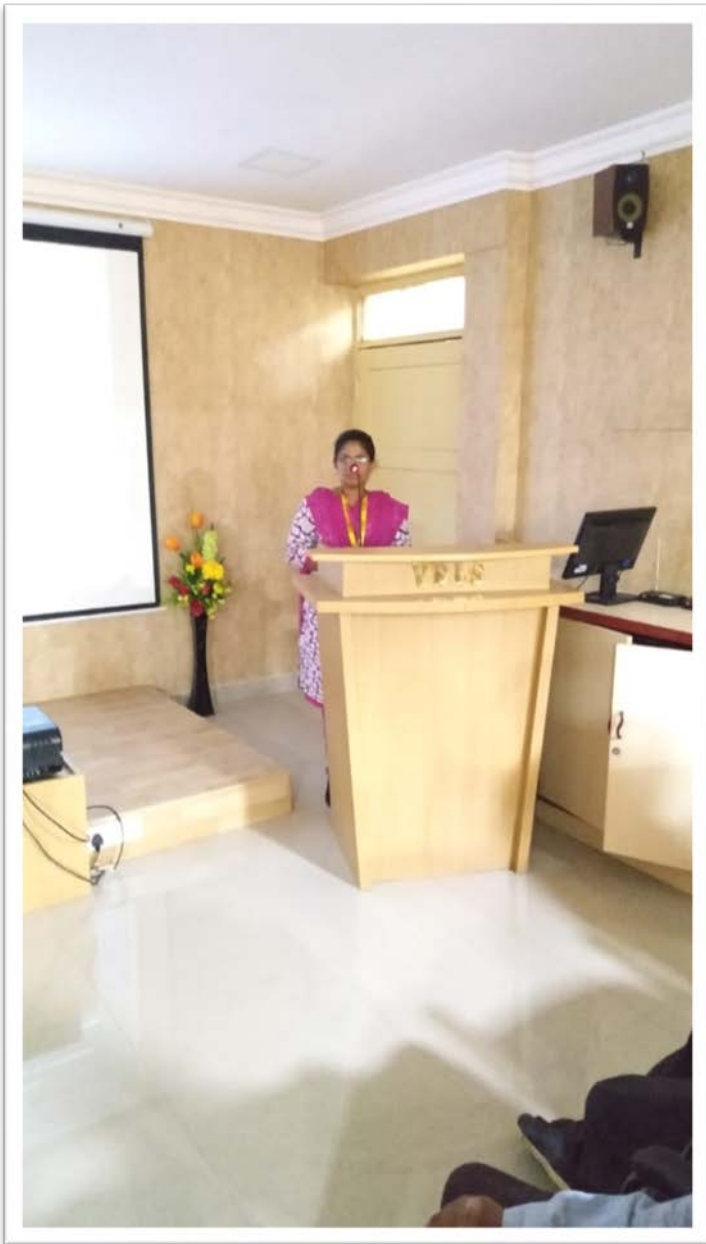
WATER AS A SOURCE OF LIFE

Student Seminar
(12 July 2019)





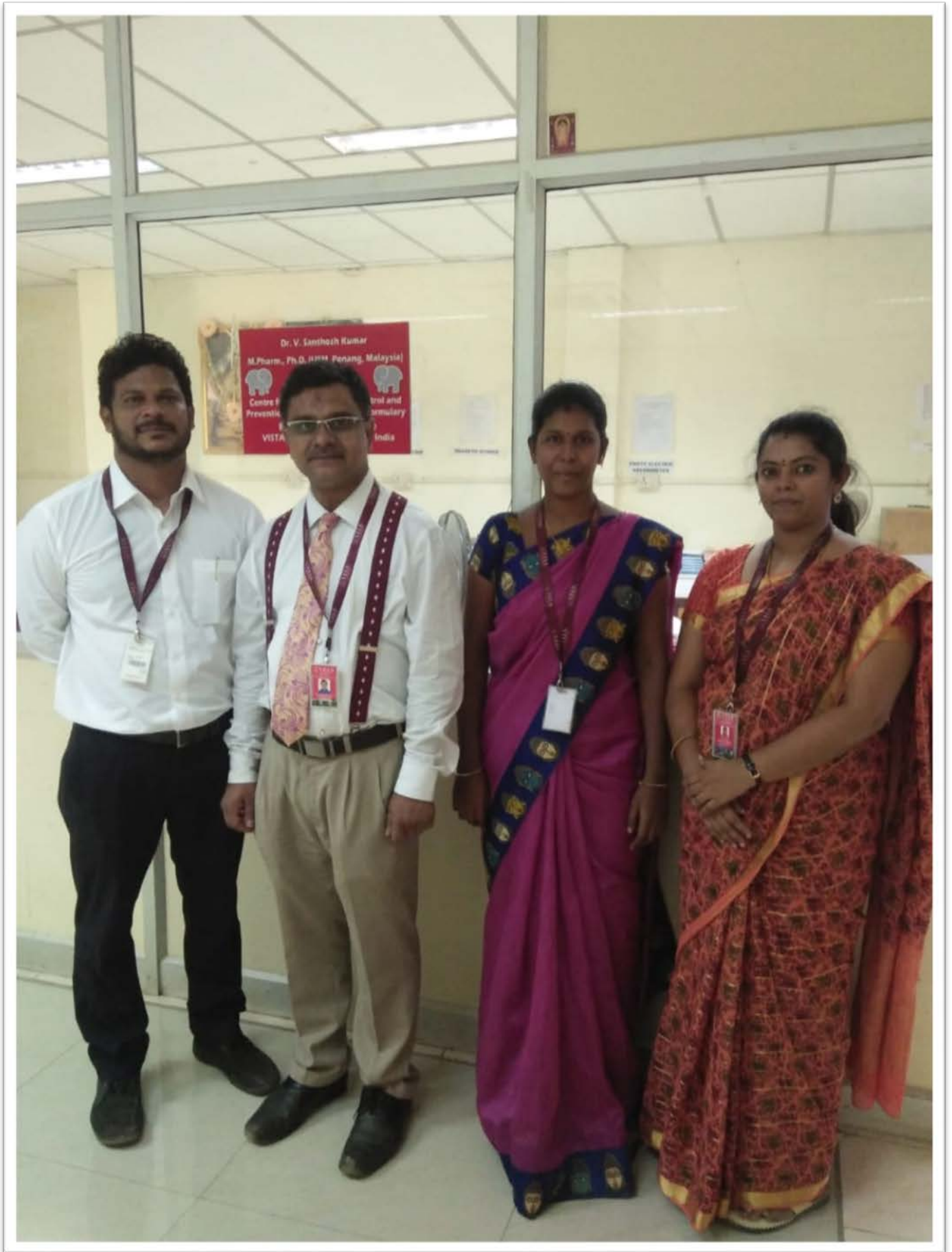












**VINAYAGAR
CHADURTHI
CELEBRATION BY
PHARMACOLOGY CLUB**

**Pooja & Celebration
(30 August 2019)**

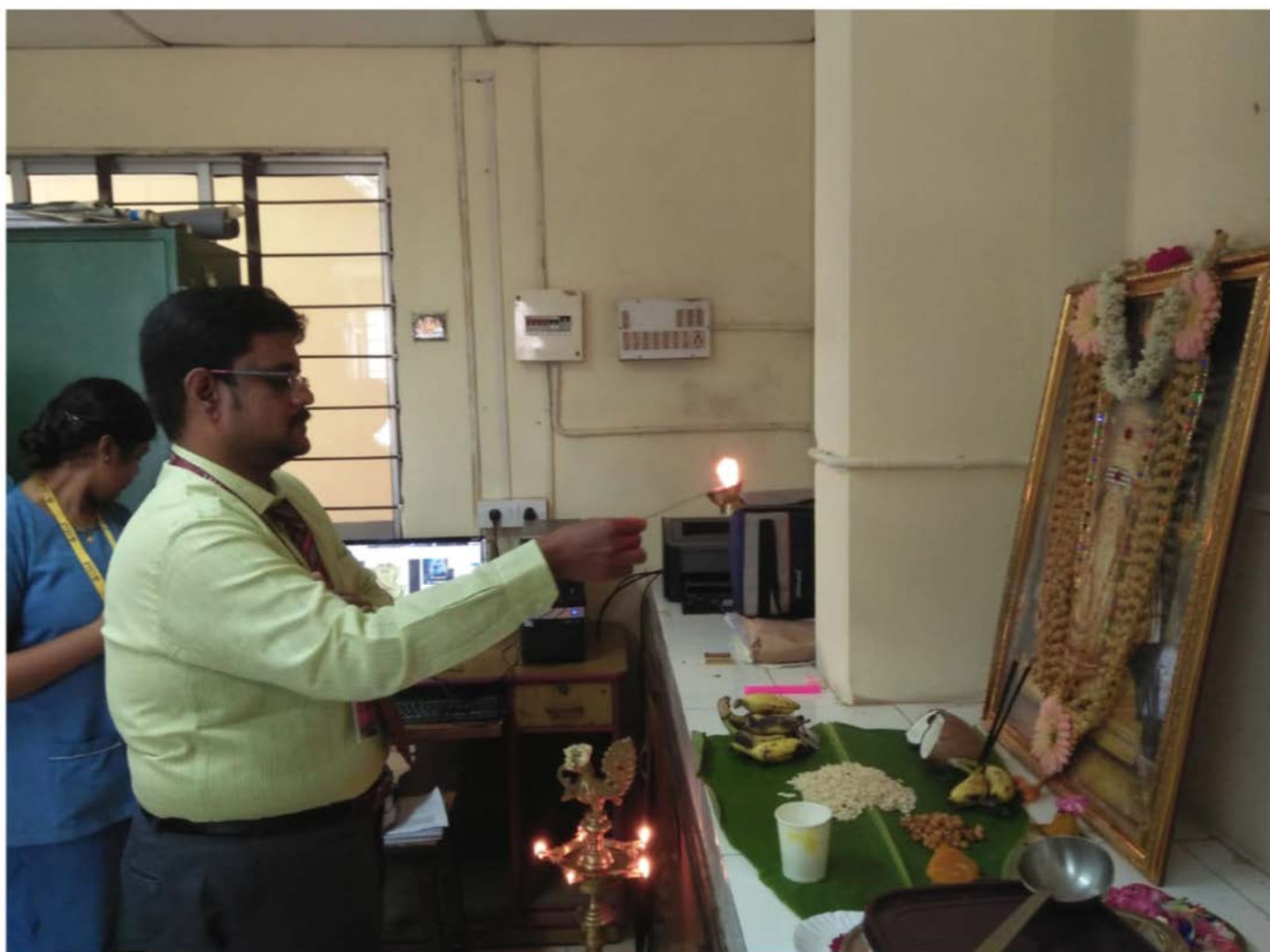
**VINAYAGAR CHADURTHI
CELEBRATION BY
PHARMACOLOGY CLUB**

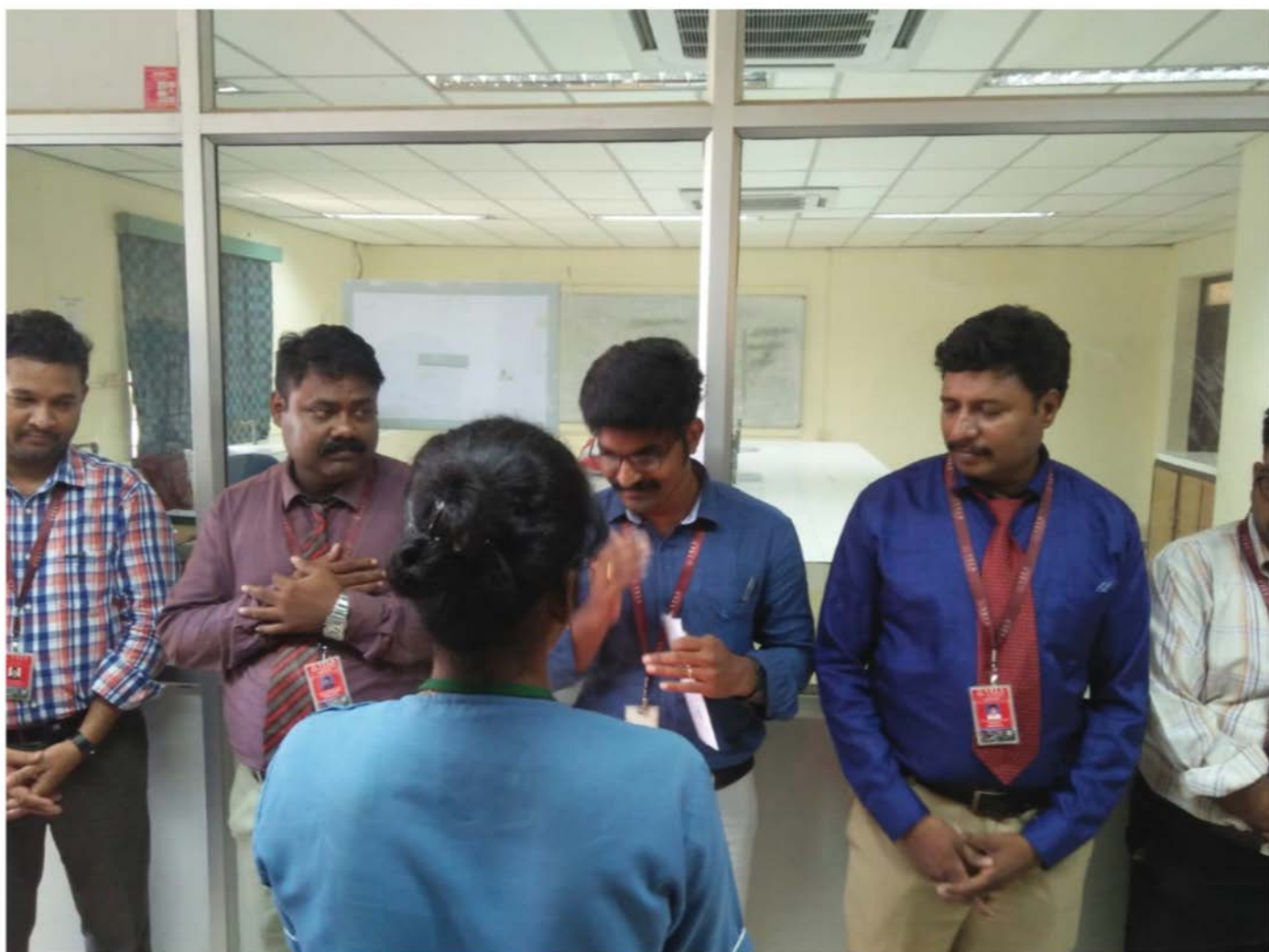
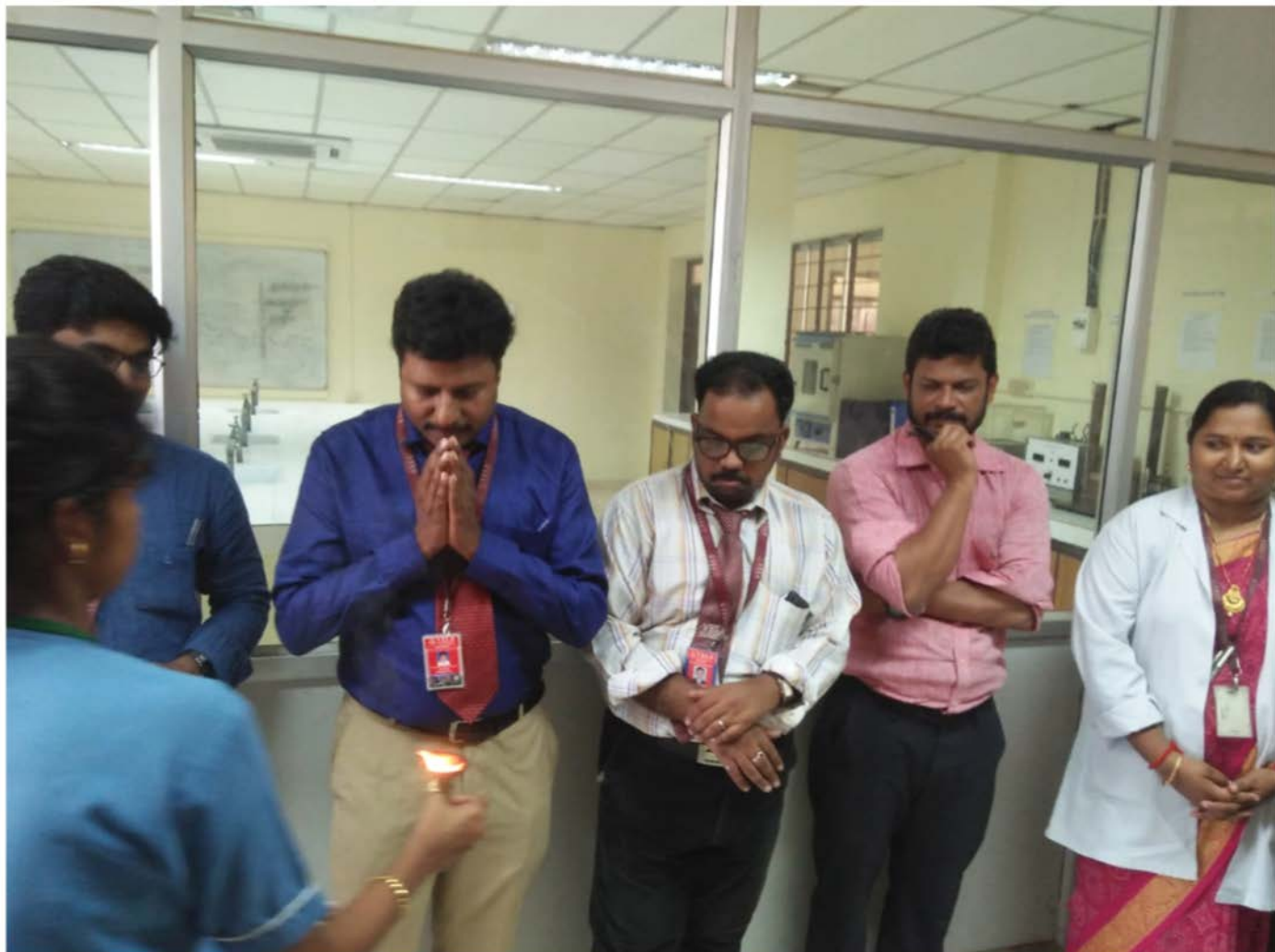
**Pooja & Celebration
(30 August 2019)**













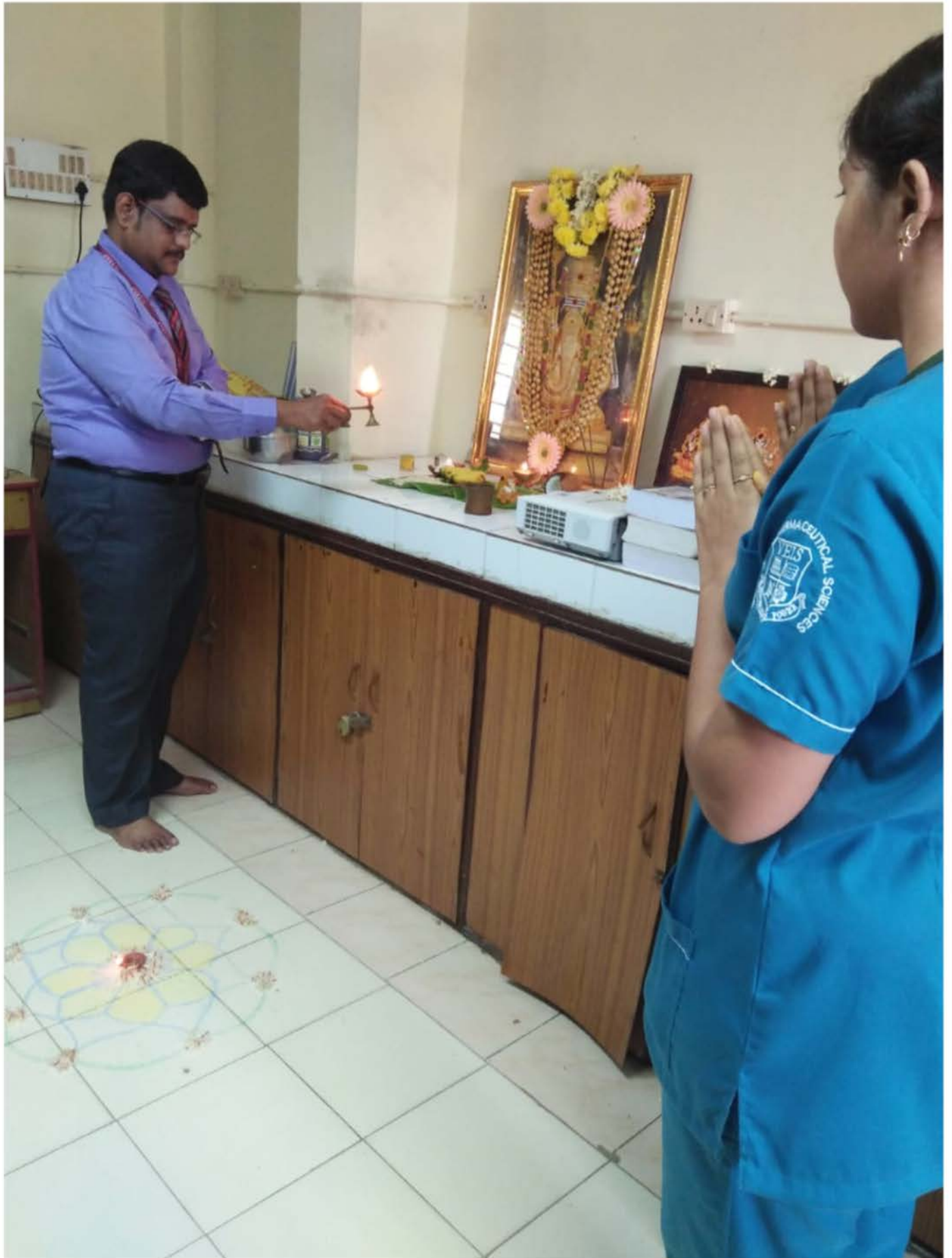


AYUDHA POOJA CELEBRATION BY PHARMACOLOGY CLUB

**Pooja & Celebration
(04 October 2019)**

**AYUDHA POOJA
CELEBRATION BY
PHARMACOLOGY CLUB**

**Pooja & Celebration
(04 October 2019)**





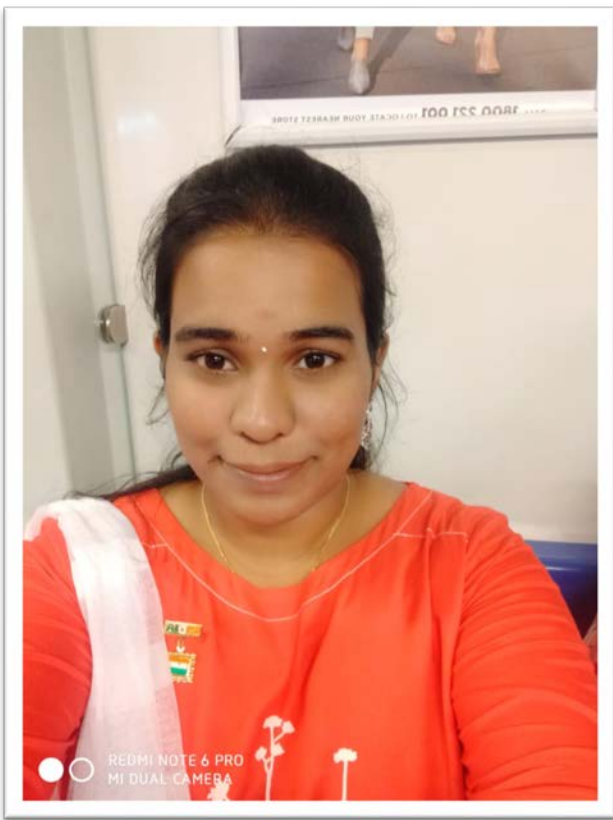








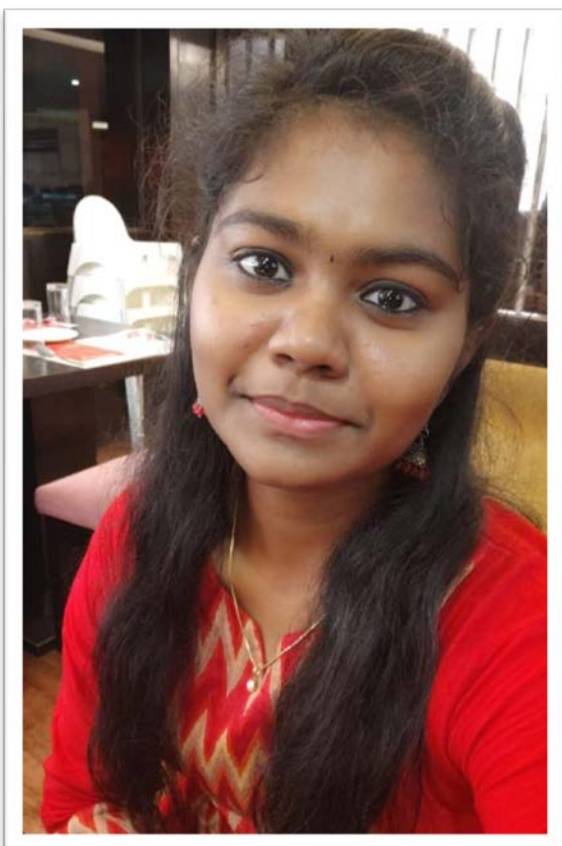
**PHARMACOLOGY
CLUB
EXECUTIVE
COMMITTEE
MEMBERS**



Ms. S. Priya
President



Ms. Mariya Els Johny
Vice-President



Ms. B. Aishwarya
Co-chair I



Ms. A.M. Sandhya
Co-chair II



Ms. A. Bharathi
Co-chair III



Ms. M. Shalini
Co-chair IV



Ms. Jasmine
Co-chair V



Ms. N. Abinaya
Event Coordinator I



Ms. S. Rakshana
Event Coordinator II



Ms. R. Uma Maheshwari
Event Coordinator III



Ms. Fhamitha Sarra
Event Coordinator IV



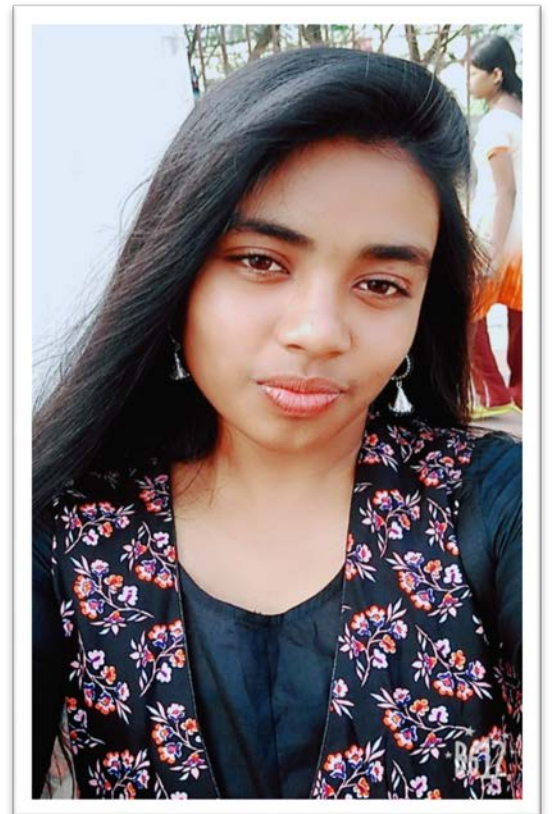
Mr. K. Gopal
Secretary I



Mr. M. Abinash
Secretary II



Mr. C.P. Yogavigeshwaran
Treasurer I



Ms. P.J. Nithila
Treasurer II



Mr. V. Arun Kumar
Volunteer I



Mr. S. Naveen
Volunteer II



Mr. V. Elumalai
Volunteer III



Ms. Angelina
Volunteer IV



Mr. S. Vignesh
Volunteer V



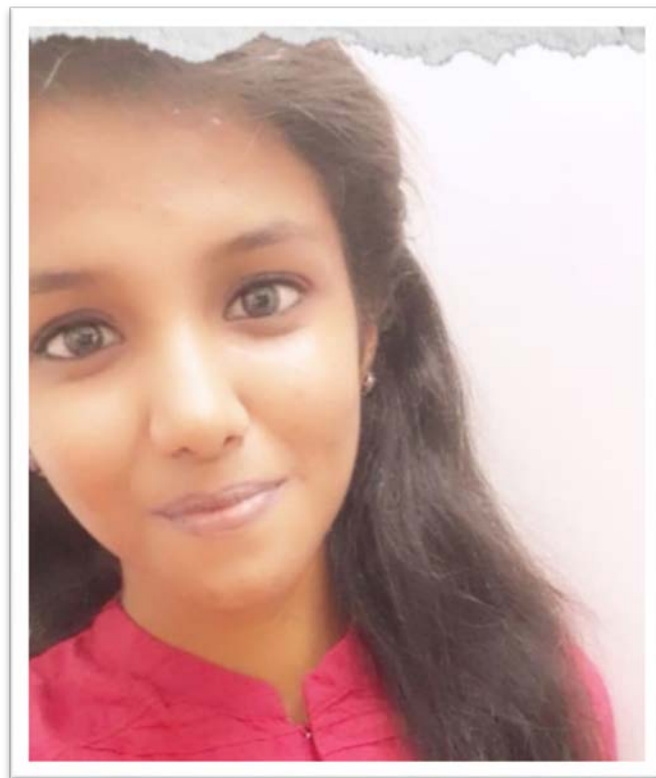
Ms. A. Sowndaryavalli
Volunteer VI



Mr. S. Arul Mani
Volunteer VII



**Ms. Sujana J
Volunteer VIII**



**Ms. A. Shivanai
Volunteer IX**



**PHARMACOLOGY
CLUB
ALUMNI &
ALUMNAE**



Dr. K. Saroja



Dr. R. Ariya



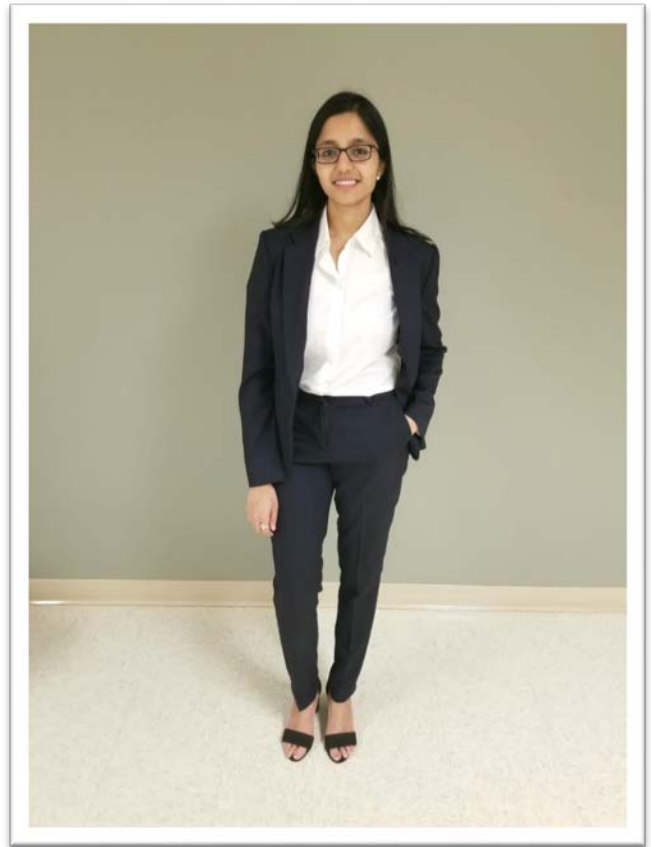
Dr. J. Anisha Ebens



Dr. Neetu Ojha



Dr. Priya Rajam Vivean
USA



Ms. Swapnaa Balaji
USA



Ms. V. Kalaivani



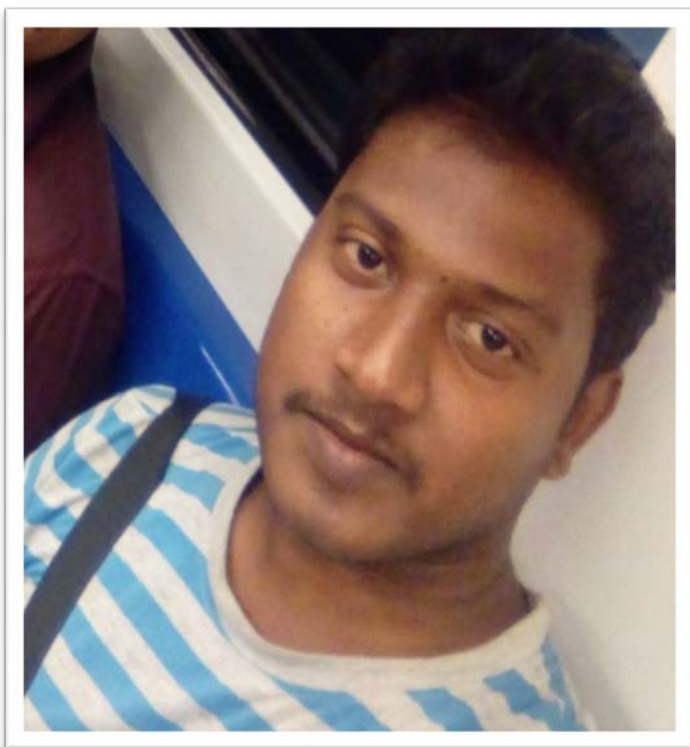
Ms. A.G. Harinee



Ms. Aleema Shahazad



Ms. B.S. Maageswaree



Mr. S. Satheesh Raja



Ms. M. Priyanka



Mr. J. Jay Vignesh



Mr. J. Mohamed Ishak



Mr. A. Kalaiarasan



Mr. A. Selvakannan



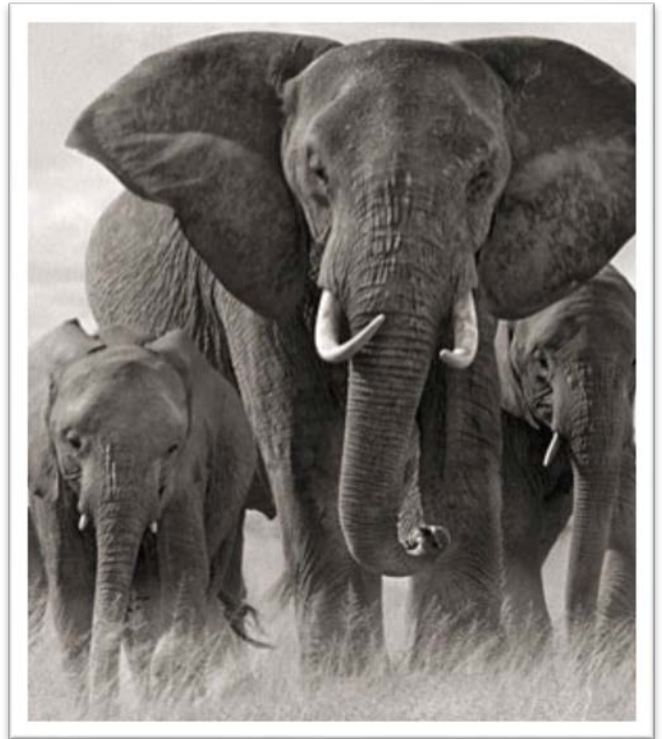
“Lord Murugan taught Siddha System of Medicine to his disciple Sage Agathiyar”

ELEPHANT RESEARCH CENTRE

[Centre for Elephant Disease Control and Prevention (CEDCP) & Elephant Formulary]

About the Centre

The Elephant Research Centre [Centre for Elephant Disease Control and Prevention (CEDCP) & Elephant Formulary] at VISTAS, Chennai, India was inaugurated by the **Chancellor** of VISTAS **Dr. Ishari K Ganesh** & Vice-President (Planning & Development), VISTAS **Prof. Dr. A. Jothi Murugan** on Friday 27 October 2017. Our Elephant Research Centre is our country's unique Elephant Research Centre which primarily focusses on Elephant Formulary.



Mission

Elephant Research Centre [Centre for Elephant Disease Control and Prevention (CEDCP) & Elephant Formulary] is dedicated to the health (Treatment, Drugs and Dose), welfare of elephants and the sharing of information among elephant professionals, Forest Departments, State and Central Ministry of the Govt. of India.

United Nations General Assembly (UNGA)

On 20 December 2013, at its 68th session, the United Nations General Assembly (UNGA) proclaimed 3 March, the day of signature of the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES), as UN World Wildlife Day to celebrate and raise awareness of the world's wild animals and plants. The UNGA resolution also designated the CITES Secretariat as the facilitator for the global observance of this special day for wildlife on the UN calendar. World Wildlife Day has now become the most important global annual event dedicated to wildlife. In line with the UN General Assembly Resolution proclaiming World Wildlife Day. It is also up to every citizen, young and old, to protect wildlife and their habitats. We all have a role to play. Our collective conservation actions can be the difference between a species surviving or disappearing.