

Department of Biotechnology

Organizes

National Workshop on

Design of Experiments and Ethics
in Preclinical Research



on

17/10/2023

Convenors

Prof. M. Sivanandham - Secretary, SVEHT

Prof. E. Nakkeeran - Prof. & HOD/BIO

Organizing Secretary

Dr. S. Pandi Prabha - Prof. & AHOD/BIO

Coordinators

Dr. J Isaivani - AP/BIO

Ms. D. Swathi - AP/BIO

SVCE Animal House Facility

The Department of Biotechnology, SVCE houses small animals (Mice, Rat, Guinea pig and Rabbit) and fish models. The animal house facility is extensively used to study the toxicity and therapeutic effects of a drug in animal models.

CCSEA Registration

The animal house facility has been registered by CCSEA with Registration No. 1398/PO/Re/S/10/CCSEA

The Institutional Animal Ethical Committee (IAEC)

The Institutional Animal Ethical Committee (IAEC) of SVCE monitors the functions of animal house facility as per CCSEA guidelines.

Features

- Individual rooms for animals
- Fully air conditioned and sterilized facilities
- Continuous monitoring
- Direct Digital Controller Unit

Infrastructural Facilities

- Quarantine room
- Experimental room
- Animal store room
- Procedure room
- Wash area
- Bedding/Feed storage room
- Autoclave room

Scope / Outcome of the Workshop

Preclinical research plays a pivotal role in developing new medical treatments, drugs, and therapies. So the outcomes of this Animal Ethico workshop will be:

- Knowledge on the assessment of safety, drug efficacy evaluation, dose optimization, mechanism of action and complying with regulations
- Awareness on the animal welfare laws and the importance of adhering to it
- Ethical practices in the treatment of animals used for preclinical research
- Understanding the significance of ethical experimental design in preclinical research

The workshop's core mission is to promote responsible animal use in research, thereby enhancing the quality and credibility of the scientific outcomes.

Calender of Events

Lecture Topics

- Introduction to preclinical research
- Ethics and animal welfare in animal experimentation

Workshop Agenda

- How to start your research using animals
- Experimental design principles, data collection and analysis
- Applying for ethical review process [IAEC]
- Practical tips for ethical research
- Visit to SVCE animal house facility

About the Institution

Sri Venkateswara College of Engineering (SVCE), is a unit of Sri Venkateswara Educational and Health Trust (SVEHT). SVCE is one of the premier technical institutions in Tamilnadu, the College is situated on the Chennai- Bangaluru National Highway (NH4) about 37 km south-west of Chennai. The college is in a 90 acre lush green Campus. It is housed in architecturally exquisite buildings with ample infrastructure such as classrooms, laboratories, libraries, sports arena, canteen, hostels, dispensary etc., The college offers 12 UG programmes and 7 PG programmes. SVCE is an ISO 9001:2015 certified institution and Accredited by 'NAAC' with 'A+' grade.

About the Department

Sri Venkateswara College of Engineering noted the growth in Modern Industrial Biotechnology. In order to support the growth in Biotechnology, SVCE started the Department of Biotechnology in 2005. The department offers B.Tech Biotechnology programme accredited by NBA and M.Tech Biotechnology programme. It is also approved as a Research Center in Biotechnology for MS (by Research) and Ph.D. programmes by Anna University, Chennai. The Department has well-established laboratory facilities: Genetic Engineering, Bioprocess, Research Lab, Animal House and Computational System Biotechnology Lab. The Department received Research Grants (2.85 Crores) from various funding agencies such as SERB, ICMR, AICTE, CTS and also several grants for organizing short-term training courses, Workshops, Faculty Development Programmes from various funding agencies such as DBT, SERB, ICMR, CSIR and EDII.

Vision of the Department

To produce higher caliber Biotechnologists to attain new heights in bioinformatics and bioprocess technology as per industrial needs and to provide leaders in the field of Biotechnology

Mission of the Department

1. To progress the department to attain center of excellence in bioinformatics and bioprocess technologies by providing best Undergraduate, Postgraduate, Doctoral programs and R&D activities within a decade.
2. To develop special skilled training programs for graduates to meet the personality characters stipulated by the industries within a period of five years.
3. To build potential biotechnologists capable of dealing with new challenges and socio-ethical implications.

Contact Details

Prof. E. Nakkeeran
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Sri Venkateswara College of Engineering
Sriperumbudur (Tk.)
Tamil Nadu – 602117.
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Phone: 044 - 27152000 Extn: 575



Who can register

Undergraduate and Postgraduate (Science & Engineering) students, research scholars, Faculty members and Industry personnels aspiring for high quality research.

Registration Fee

For participating in the Event:
₹300 for Student / ₹500 for Faculty /
₹800 for Industry personnel

Registration Detail

Account Number : 467302331
Account Name : PRINCIPAL, SRI
VENKATESWARA COLLEGE OF
ENGINEERING
Bank Name : Indian Bank
Branch Name : Sriperumbudur
IFSC Code : IDIB000S080
MICR No : 600019112



<https://forms.gle/LdUbV2Nfn1kMmT897>

Press link or scan to register

Queries-Contact-Ms.D.Swathi
📞 9445450240

Transportation Facility: The participants can avail the SVCE bus facility to attend this workshop. Refer www.svce.ac.in for bus route details.

SVCE IQAC
Consciousness for Quality

INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of Education Initiative)





Department of Biotechnology

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Pennalur, Sriperumbudur Tk - 602 117

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National Workshop



on

Design of Experiments and Ethics in Preclinical Research

Programme Schedule

Time	Events
08:30 - 09:00 A.M	Registration
09:00-09:10 A.M	Prayer Song
09:10 - 09:20 A.M	Welcome Address by Prof. E. Nakkeeran Professor and Head of Biotechnology Sri Venkateswara College of Engineering
09:20 - 09:30 A.M	Introduction to Chief Guest
09:30 - 10:30 A.M	Inauguration and Key Note Address by Dr. Nagaraj Manickam Scientist Madras Diabetic Research Foundation, Chennai.
10:30 - 10:45 A.M	Tea Break
10:45 - 11:45 A.M	Key Note Address by Dr. Ezhilarasan Devaraj Professor & Scientist Saveetha Institute of Medical and Technical Sciences, Chennai
11:45 - 12:30 P.M	Lunch Break
12:30 - 01:00 P.M	How to start research using Animals?
01:00 - 01:30 P.M	Experimental Design Principles, data collection and analysis
01:30 - 02:00 P.M	How to apply for Ethical Review Process?
02:00 - 02:30 P.M	Visit to Animal House Facility
02:30 - 03:00 P.M	Valedictory Function by Dr. T. Vijay Medical Officer Sri Venkateswara College of Engineering, Sriperumbudur Certificate Distribution to the participants Vote of Thanks National Anthem



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Solicit your esteemed presence for the **Inaugural function** of

National Workshop on Design of Experiments and Ethics in Preclinical Research

CHIEF GUEST

Dr. Nagaraj Manickam

Scientist

**Head of the Department of Vascular Biology
Madras Diabetes Research Foundation
Chennai**

**WILL PRESIDE OVER AND DELIVER THE INAUGURAL
ADDRESS**

ALL ARE WELCOME

Date : 17th October 2023

Time : 9:00 A.M

Venue : Biotechnology Conference Hall



DEPARTMENT OF BIOTECHNOLOGY
(Autonomous Institution, Affiliated to Anna University Chennai
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Pennalur, Sriperumbudur (Tk.) - 602117

Workshop Report
For
National Workshop
On
“Design of Experiments and
Ethics in Preclinical Research”
17th October, 2023



DEPARTMENT OF BIOTECHNOLOGY
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The Department of Biotechnology, SVCE conducted the National Workshop on ‘Design of Experiments and Ethics in Preclinical Research’ on 17th October, 2023 at the Biotech Department Conference Hall. The event was organized by Prof. S. Pandi Prabha, and Coordinated by Dr. J. Isaivani and Ms. D. Swathi, Assistant Professors, Department of Biotechnology, Sri Venkateswara College of Engineering, Sriperumbudur.

The registration was started at 8:30 am on 17th October, 2023. Totally **39** external participants registered for the workshop from various colleges of Tamil Nadu. The inauguration was started with the prayer song sung by Ms. Sudharshini at 9:15 am. **Prof. E. Nakkeeran**, the Head of the Department of Biotechnology, Sri Venkateswara College of Engineering welcomed the Chief Guest and Key note speaker **Dr. Nagaraj Manickam**, Scientist, Department of Vascular Biology, Madras Diabetes Research Foundation, Chennai and the participants. The inaugural function was started with lighting the lamp and the workshop manual was released by the chief guest. The Key note speaker was introduced to the participants by **Prof. S. Pandi Prabha**, Organizing Secretary of the workshop followed by the Address ”Animals – The Life Saviour of Human” by the key note speaker.

After the technical talk, there was a quick Tea arranged for the participants. Then the address by the second key note speaker **Dr. Ezhilarasan Devaraj, Professor and Scientist, Saveetha Institute of Medical and Technical Sciences, Chennai** on “Ethics in preclinical research” .

The session was followed by the lunch break at 12:30 PM. The participants were split into two groups for the animal handling. The participants had a tour of the Animal house facility and the animals housed in the facility. **Dr. Vijeyagopal**, Veterinary Officer demonstrated the dos and don'ts in animal handling. The hands on session ended at 2:30 pm.

Then there was a session on “How to start your research” and “filling of Form B of IAEC” by Prof. S. Pandi Prabha.



The Workshop was ended with the Valedictory Function which started at 2:45 PM. The valedictory function was presided over by the **Chief Guest, Dr. T. Vijay**, Medical Officer, SVCE along with the head of the Department, Organizing Secretary and Coordinators of the workshop. Certificates were handed over the participants and feedback was received from the workshop participants. There was a suggestion on improving the time for hands on session. Further, the organizing secretary of the workshop delivered the Vote of Thanks to the participants, Key note speakers and all the stalwarts associated with the workshop. Then the program was ended with National Anthem by 3.30 pm.

Around 39 external students participated in the National Workshop on “Design of Experiments and Ethics in Preclinical Research” based on the following criteria for the rating:

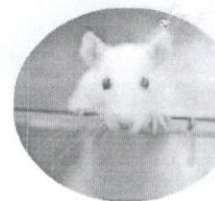
5: Excellent 4: Very Good 3: Good 2: Satisfactory 1: Need Improvement

The average rating received for the workshop was 4.6

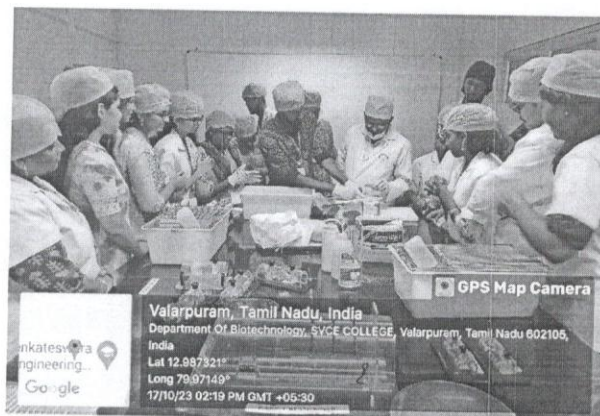
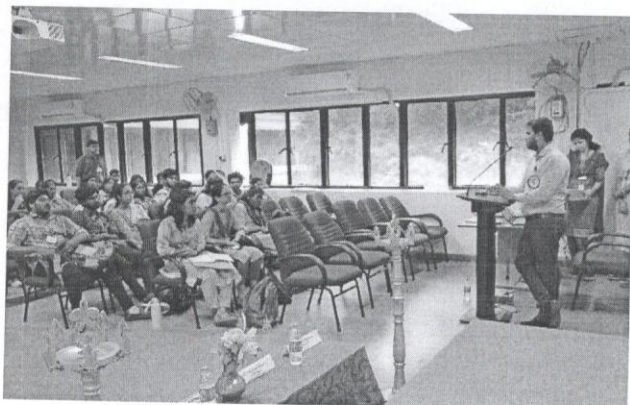




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Organizing Secretary

S. Pandi Prabha
Prof. S. Pandi Prabha

HOD/BIO

E. Nakkeeran
Prof. E. Nakkeeran