



ANIMAL HOUSE FACILITY

The accustomed central animal house facility is available in Vignan's Foundation for Science, Technology and Research (Deemed to be University) for research and training facilities. In the medicine and therapeutic drug discovery, the laboratory animals play a crucial role and animal house facility is the most emerging field. A well-qualified veterinarian and technical persons are always at hand to carry out research and keep it in accordance with the standards established by the Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA). The CPCSEA approved the facility for Small animal Research for Education purpose.

The animal house facility of Vignan's Foundation for Science, Technology and Research (Deemed to be University) have mice, rats, chicken and rabbits. All these species housed in well-maintained rooms individually to overcome the contamination and transmission of disease. Animals are maintained under 24-26°C Temperature, 60 ± 10%Relative Humidity maintaining controlled environment conditions. Animal house facility maintained with 100 % fresh air exchange in all rooms with dark, light circles with uninterrupted water, and power supply.

The Animal house facility is a resource for the UG, PG, Research scholars and for faculty members of the Vignan's Foundation for Science, Technology and Research (Deemed to be University). All the UG and PG students receive a foundation for the basic animal handling, observation and animal testing which is a pivotal role in the live research. Maintaining good quality of animals and its central animal house facility established in Vignan's Foundation for Science, Technology and Research (Deemed to be University) aimed to promote laboratory animal research by following all ethical rules and regulations according to the CPCSEA.

Objectives:

The activities of Central Animal House

- Providing basic animal research and education to the UG and PG students.
- *In vivo* studies for the PhD, PG students and collaborative projects.
- Regularly conducting the Institutional Animal Ethic committee meeting
- Training faculty and students for applied animal studies

Research Studies:

- Invasive study models
- Production of antibodies (IgG and IgY)
- Toxicological studies
- Tumor studies
- Anti-inflammatory studies
- Anti-diabetic studies
- Immunomodulatory studies
- Ulcer protective studies

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