



SIDDHARTHA INSTITUTE OF TECHNOLOGY & SCIENCES

(UGC-ATUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)

Accredited by *NBA and NAAC with 'A+' Grade

Narapally, Korremula Road, Ghatkesar, Medchal-Malkajgiri (Dist)-500 088



An Institutional Review Board (IRB)

Definition:

An Institutional Review Board (IRB) is an independent body constituted of Engineering , scientific, and non-scientific members, whose responsibility is to ensure the protection of the rights, safety, and well-being of human subjects involved in a research study.

Purpose:

The primary purpose of an IRB is to review and approve research protocols involving human participants before the research can commence.

The IRB evaluates the ethical, scientific, and regulatory aspects of the proposed research to ensure that it meets ethical standards and follows applicable regulations and guidelines.

Functions:

- Review of Research Protocols: The IRB reviews research protocols to ensure that the rights, safety, and well-being of human subjects are protected.**
- Informed Consent: The IRB assesses the informed consent process to ensure that participants are adequately informed about the study and voluntarily agree to participate.**
- Risk-Benefit Assessment: The IRB evaluates the risks and benefits of the research to determine whether they are justified.**
- Continuing Review: In many cases, the IRB conducts ongoing reviews of approved research to ensure that it continues to meet ethical standards.**

Composition:



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IRBs typically consist of a diverse group of individuals with varying backgrounds, including scientists, non-scientists, and community representatives.

The composition aims to provide a variety of perspectives and ensure a comprehensive review of research proposals.

Regulations:

IRBs operate in accordance with ethical principles outlined in documents such as the Belmont Report and adhere to regulations, such as the Common Rule in the United States.