



## JSS Academy of Technical Education, Bengaluru-560060

### Research and Development Cell

## Ethics in Research

JSSATEB provides a wide range of research opportunities to explore new paths in the concerned areas to promote Research and Innovation among the faculty and students. However, they shall comply with the following ethics in Research:

**Research ethics** provides guidelines for the accountable conduct of Research. Also, it disseminates and monitors researchers' Research to ensure a high ethical standard. It is essential to adhere to ethical norms in Research.

1. **Honesty:** Truthfully register data, outcomes, procedures and methods, and publication status. Do not fabricate, forge, or falsify data. For example, prohibitions against fabricating, fabricating, or misrepresenting research data promote the truth and minimize error.
2. **Objectivity:** Persist to avoid bias in empirical design, data study, data understanding, peer review, personnel conclusions, grant writing, expert testimony, and other elements of research.
3. **Integrity:** Keep your commitments and accords; act sincerely; aim for consistency of thought and effort.
4. **Carefulness, Respect for Intellectual Property:** Avoid impetuous errors and delinquency; carefully and critically analyze your research and peers. Maintain satisfactory documents of research activities. Research often involves much cooperation and coordination among people in different disciplines and institutions. Ethical standards promote the **values essential to collaborative work**, such as trust, accountability, mutual respect, and fairness. For example, many ethical norms in research, such as guidelines for authorship, copyright and patenting policies, data sharing policies, and confidentiality rules in peer review, are designed to protect intellectual property interests while encouraging collaboration. Most researchers want to receive credit for their contributions and avoid having their ideas stolen or disclosed prematurely. Never plagiarize.
5. **Confidentiality:** Protect confidential communications, such as articles or grants proposed for publication, personnel reports, commerce or military secrets, and patient documents.

6. **Responsible Publication:** Publish to promote research and scholarship, not just advance your profession. Avoid prodigal and redundant publications.

7. **Dependable Mentoring and Respect for Associates:** Aid to educate, mentor, and advise researchers. Enable their welfare and permit them to make their findings. Respect your coworkers and treat them equitably.

8. **Non-Discrimination and Competence:** Avoid discrimination against associates or researchers based on sex, ethnicity, race, or other factors unrelated to their scientific competence and integrity. Maintain and enhance your professional competence and expertise via lifelong learning and education; take measures to foster competence in science, engineering and other interdisciplinary and transdisciplinary research.

### **Misconduct in perspective**

Researchers who act dishonestly waste public funds, harm the research record, distort the research process, undermine public trust, and can even adversely impact public health and safety. Misconducts such as

(a) **Fabrication** - making up information or outcomes and recording or reporting them.


(b) **Falsification** - manipulating research materials or changing or overlooking data or results such that the research is not truthfully denoted in the research record.

(c) **Plagiarism** - the appropriation of another person's ideas, procedures, results, or words without giving apposite acknowledgement.

(d) Research misconduct does not comprise candid error or alterations of opinion

Violations of research ethics can have serious consequences, including damage to the reputation of the researcher and institution, harm to participants, and legal and professional consequences. The researcher is expected to adhere to ethical guidelines specific to their field. They should know and adhere to the ethical norms established by professional organizations and institutional assessment committees.

  
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