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SAI RAM ENGINEERING COLLEGE

An Autonomous Institution | Affiliated to Anna University & Approved by AICTE, New Delhi

Accredited by NBA and NAAC "A+" | An ISO 9001:2015 Certified and MHRD NIRF ranked institution

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CODE OF ETHICS

(w.e.f. 01.06.2020)

Code of Ethics for Research

Purpose Research and development comprise of systematic work undertaken to enhance and increase the knowledge of faculty, culture, and society for inventing new products. It is a culmination of activities original as well as innovative that encompass academic, professional, and technological domains. Research demands freedom of choice all the while comprehending their implications as well to maintain benchmarks requires rigor and integrity. Research shall therefore comply with ethical, legal, and professional bounds. The repute of the college relies on standards and ethics that it propagates in rendering research activities carried out by the scholars. The code hence intends to outline the mannerisms of research scholars registered for their doctoral program in dealing with the academic community, contemporaries, and public at large in terms of disciplines and behavior all the while being sincere and diligent to uphold the mission of the college.

1. Ethical dimensions of Research

The widely accepted five ethical dimensions of academic research are;

- a) Normative ethics- includes determining what is right and wrong
- b) Compliance- includes instituted policies and regulations at the college
- c) Rigor and reproducibility
- d) Social Value
- e) Workplace relationships

2. Institutional Responsibilities

The college is committed to ensure research activities that are facilitated to the highest of standards as well as upholding legal, ethical, and safety norms. The institutional responsibility inherently is individuals' professional responsibilities on behalf of the college. The college formulates research governance framework via policies and procedures. Facilitates for training and development programs and appropriate mentoring which would enable the skill up-gradation and consequential support for career development are provided by the college.

3. Leadership and supervision

Leadership in the context of this code is to motivate/inspire to act in a way that benefits the college. Leaders, the research supervisor, are expected to foster a conducive environment to promote sound research. The research supervisor shall maintain a professional supervisor-supervisee relationships and assign credit appropriately

4. Training and mentorship

The academic departments shall facilitate directions and coordination to in filter the policies to all funding agencies. The departments shall ensure the appropriate use of licensed research resources and IPR as well as gear up the concerned administrative and technical personnel for accurate recordkeeping and providing technical assistance for research.

5. Good practice of research scholars

Some of the practices and attributes that research scholars must possess and exhibit that are deemed key for undertaking good research are; Sincerity and Dedication: Every research scholar should be sincere in the work culture. They should be dedicated and devote their time only to research works.

6. Time Management

Time spent on unproductive work will never fetch anything. Care should be taken to chart out a timeline for completing the given task and submit the thesis.

7. Honesty:

Refers to being accurate and truthful about one's self, one's work, and in acknowledging the work of others; reporting all the findings; and making valid interpretations and claims.

8. Rigor:

Choose and adhere to appropriate methods; draw conclusions; and communicate the results.

9. Transparency:

Report data collection methods; analyze and interpret data; and make findings widely available, including to the general public.

10. Respect and care: exhibit care for all research participants and the environment. Conduct respectfully towards other scholars, staff, and faculty. Trust: Exhibit mutual trust to encourage the free exchange of ideas.

11. Fairness: Ensure fairness in institutional standards, practices, and procedures as well as in interactions between members of the research groups.

12. Responsibility: Uphold high standards of conduct in learning, teaching, and research responsibly for promoting academic integrity, among all members of the college.

13. Legality: Observe valid legal norms related to the conduct and publication of research, particularly in relation to copyright, the intellectual property rights of third parties, the terms and conditions regulating access to research resources, and the laws of libel.

14. Research funding:

Financial assistance is a matter of pride and privilege for a researcher. Utmost care must be exercised by a researcher in; Familiarize themselves with the terms and conditions of any funding agreement (grant or contract and whether from public, government funding bodies, industry, or other), to ensure that they fully understand the implications of those terms. Once the funding has been accepted, researchers must ensure that they observe and fully comply with the terms and conditions of any grant or contract. Adhere to all Financial Regulations and Procedures including those related to purchasing or procurement of materials, equipment, or other resources for research, the hiring of research project staff, and expenses. use and manage financial resources responsibly and sustainably and following the terms and conditions of the funding agency and the University. co-operate with any financial monitoring and audit. Any concerns, irregularities, or events which can result in unforeseen financial consequences, should be reported to the supervisor and the University as soon as they become apparent.

15. Ethical values of research scholars:

Upholding ethical values are vital to good research and the college promotes such research activity. Some of them are; be very punctual, dedicated, and sincere in all academic work. Research data collected should be synthesized as per the procedure laid down. Research results to be reported should be following standard practices.

Publication status should not be manipulated or misrepresented.

Need to keep their undertakings and agreements honestly.

Keep quality in the paperwork and records of research activities, such as literature review, research design, data collection, data analysis, interpretation, drafted manuscripts and its communication with recognized journals. Need to respect patents, Copyrights, and other forms of intellectual property. Strive to protect confidential communications, such as manuscripts, projects, or grants submitted for publication, personnel records, deals or military secrets, and patient records used for requisite research.

Endorse social wellbeing and to prevent or lessen social harms through research, public education, and promotion and care to safeguard the environment.

16. Academic freedom, integrity, and responsibility Integrity, accountability, and responsibility are important in research. Academic freedom to all researchers to pursue knowledge and conduct advanced research without unreasonable interference or restriction from any quarters, norms, law, institutional regulations, or public pressure is provided. Research findings, to publish data and conclusions without control or censorship, in the manner, it is considered professionally appropriate.

17. General responsibilities

The college recommends every researcher to consider ethics and moral philosophy sincerely, those that address morality.

18. Intellectual Property Rights (IPR) The college deems fit to encourage and facilitate successful utilization of intellectual property rights. Intellectual Property is the product of innovative, diligent, creative, and intellectual effort.

There are three different categories of patents:

i). Utility Patent: A utility patent protects the creation of a new or improved product, process, and composition of matter, or machine that is useful.

ii). Design patent: A design patent protects the ornamental design of a useful item.

19. Publication and Authorship

All researchers are expected to publish and disseminate the results of their research in an open, honest, transparent, and accurate manner, and via all appropriate media such as journal papers, books, reviews, software, a data repository, or conference proceedings. While both The Intellectual Property rights regulations and the requirements of research contracts must be satisfied. Research scholars must acknowledge and attribute all sources used in the research in line with their specific discipline citation and referencing convention.

20. Research misconduct

Misconduct in academic research implies but is not limited to fabrication, falsification, plagiarism, or deception in proposing, carrying out, or reporting results of research and deliberate, dangerous, or negligent deviations from accepted practice in carrying out research. It includes failure to follow an agreed protocol if and when this failure results in unreasonable risk or harm to persons, the environment, and when it facilitates misconduct in research by collusion in, or concealment of, such actions by others. The college demands that research misconduct is to be abhorred by a researcher and further states that "research misconduct does not include honest error or differences of opinion". Misconduct includes but is not limited to the following acts:

i) Plagiarism: The deliberate copying of ideas, text, data, or other work (or any combination thereof) without due permission and acknowledgment. Plagiarism is "the appropriation of another person's ideas, processes, results, or words without giving appropriate credit".

ii) Piracy: The deliberate exploitation of ideas from others without proper acknowledgment
Abuse of Intellectual Property Rights: Failure to observe legal norms regarding copyright and the moral rights of authors. Abuse of Research Resources: Failure to observe the terms and conditions of institutionally licensed research resources.

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iii) Plagiarism detection:

Plagiarism should be followed by all the research scholars. The "plagiarism detection tools" available to detect plagiarism in the research documents should be used for this purpose.

An Ethics committee is framed with the Principal, Dean R&D, Department Heads and Senior Faculty members.

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