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DSCASC Research & Development (R&D) Cell Policy

INTRODUCTION

DSCASC R&D Cell Policy serves as a guiding framework for establishing DSCASC as a premier research institution, committed to innovation, societal impact and academic excellence. The cell facilitates collaborations with industry, academia, and government bodies, promoting knowledge exchange and impactful outcomes. Equipped with state-of-the-art infrastructure and expert mentorship, it supports projects leading to publications, patents, and technological advancements.

VISION

To create a vibrant research ecosystem that fosters innovation, critical thinking and knowledge creation, empowering students and faculty to contribute meaningfully to social impact and sustainable development.

MISSION

To encourage a culture of research excellence by providing faculty and students with resources, mentorship and platforms to engage in impactful research. Uphold the highest standards of research integrity and ethics, ensuring compliance with national and international guidelines. Develop strong partnerships with industries, research institutions and universities worldwide for joint research projects and knowledge exchange. Establish dedicated support systems to help faculty and students secure research grants from national and international funding agencies.

OBJECTIVES

- ❖ To promote collaborative research across disciplines to address global and societal challenges.
- ❖ To cultivate research skills among students, transforming them into future innovators and leaders.
- ❖ To support the development of sustainable technologies and solutions for real-world problems.
- ❖ To facilitate patents, publications, and commercialization of innovative ideas.
- ❖ To strengthen partnerships with industries, research organizations, and government bodies to enhance knowledge exchange and research impact.

R&D Cell Policy

1. Research Ethics and Integrity

- ❖ DSCASC upholds the highest standards of research ethics and integrity, ensuring that all research activities adhere to national and international ethical guidelines.
- ❖ Researchers are expected to conduct studies with honesty, transparency and accountability, avoiding plagiarism, data fabrication and conflicts of interest.
- ❖ Regular workshops and awareness programs on research ethics are conducted to educate faculty and students about responsible research practices.
- ❖ The institution fosters a culture of trust and credibility in research, ensuring compliance with ethical norms in all scholarly activities.

2. Developing a Research Ecosystem

- ❖ DSCASC is committed to foster a research-driven academic environment that integrates theoretical knowledge with real-world applications.
- ❖ The institution provides state-of-the-art research facilities, including advanced Computer Lab with required Software and Interdisciplinary Research Centres.
- ❖ Research activities are structured around emerging scientific and technological challenges, ensuring contributions to national and global advancements.
- ❖ DSCASC actively engages in industry collaborations, organizes research conferences, workshop, seminar, FDP and supports innovative projects that align with societal and economic priorities.

3. Encouraging Faculty Research Initiatives

- ❖ DSCASC encourages faculty members to engage in interdisciplinary research, collaborate with reputed national and international institutions, and publish in high-impact journals.
- ❖ The institution provides access to specialized workshops, incentives for international conference participation and support for patent filing.
- ❖ Faculty members receive mentorship and networking opportunities, enabling them to undertake pioneering research projects.
- ❖ Institutional support ensures train the trainers in research, dynamic research culture, fostering innovation and academic excellence.

4. Reward System for Quality Research

- ❖ To recognize and encourage quality research, DSCASC has established a robust reward system. Faculty members publishing in indexed journals (Scopus, Web of Science, IEEE, ABDC, SCI etc.) receive financial incentives, awards and academic recognition.
- ❖ Researchers who secure external grants, patents and industry-funded projects are provided with additional research grants and career advancement opportunities.
- ❖ DSCASC has established a faculty rewards policy that encourages faculty members to participate in international conferences, seminars, workshops, and FDPs through a reward and reimbursement system.
- ❖ The institution organizes annual research awards, acknowledging the contributions of scholars in various disciplines, reinforcing a culture of excellence in scientific exploration.

5. Student Involvement in Research

- ❖ DSCASC integrates students into research initiatives, particularly those addressing social issues such as sustainability, healthcare, quality education and rural development.
- ❖ DSCASC actively promotes student participation in research, focusing on social issues, technological advancements, and future career-oriented projects.
- ❖ Technological research is emphasized in areas such as artificial intelligence, renewable energy, and sustainable practices, preparing students for start-ups and future career development.
- ❖ The students are guided to publish research in reputed journals and collaborate with industry and academia, ensuring their research contributes meaningfully to scientific and technological progress.

6. Promoting Quality Research Publications

❖ DSCASC prioritizes high-impact research publications in reputed peer-reviewed journals, emphasizing ethical research practices and integrity.

❖ The institution provides guidance on manuscript preparation, plagiarism checks, and open-access publishing support.

❖ Regular training sessions on research methodology, scientific writing, and peer-review processes are conducted to enhance the quality of publications.

❖ Faculty and students are encouraged to collaborate with global scholars, ensuring that their research contributes to advancements in Management, Commerce, Science and Technology.

7. Strengthening Research Collaborations

❖ DSCASC actively collaborates with leading universities, research institutions and industries to facilitate knowledge exchange and joint research projects.

❖ Strategic partnerships with government agencies and private enterprises provide opportunities for applied research, technology transfer and consultancy projects.

❖ The institution facilitates academic exchange programs, visiting scholar initiatives and multi-institutional research grants to foster international and interdisciplinary collaborations that drive meaningful scientific progress.

8. Securing Research Funding and Grants

❖ The institution provides structured support for faculty and students in securing research funding from national and international agencies such as ICSSR, DST, CSIR, UGC, and private foundations.

❖ DSCASC encourages industry-sponsored research, consultancy projects and entrepreneurship-driven funding to ensure financial sustainability for research activities.

❖ Regular workshops and training programs on research grant writing equip scholars with the skills needed to attract competitive funding.

9. Faculty Training and Consultation Services

❖ DSCASC invests in the continuous professional development of its faculty by offering specialized training in research methodologies, emerging technologies and industry-relevant skills.

❖ Faculty members are encouraged to participate in national and international workshops, certificate programs and research fellowships.

❖ DSCASC promotes consultancy services where faculty expertise can be leveraged for industry projects, policy advisory roles and technology-driven solutions.

10. Creativity and Innovation Towards a Sustainable Society

❖ DSCASC is committed to develop creativity and innovation to address sustainability challenges and contribute to a better society.

❖ The institution encourages faculty and students to develop innovative solutions in areas such as clean energy, climate flexibility, waste management and sustainable management practices.

❖ Research initiatives focus on Sustainable Development Goals (SDGs), ensuring long-term environmental and societal benefits.

❖ DSCASC collaborates with industry leaders, government agencies, and non-profit organizations to implement research-driven sustainability projects.

❖ The students and faculty members are empowered to develop patentable technologies and sustainable business model for ensuring a positive impact on communities and the environment.

Head - R&D Cell

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