



SAGI RAMA KRISHNAM RAJU ENGINEERING COLLEGE (A)
SRKR MARG :: CHINA AMIRAM :: BHIMAVARAM-534204

Two Best Practices of the Institution

S. No.	Best Practice
1	Students Participation in Technical Events
2	Promoting Research Culture and Innovation Among Students and Faculty



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Best Practice-I

1. Title: Students Participation in Technical Events

2. Objective

To encourage and support students in gaining exposure to industry-relevant skills, current technological trends, and collaborative problem-solving by participating in national-level technical events. This engagement aims to enhance technical competence, networking, confidence, and holistic personal development among students.

3. Context

In today's rapidly evolving technological landscape, it is crucial for students to move beyond theoretical knowledge and apply skills practically. National technical events provide students with the opportunity to test their knowledge, learn from peers, interact with experts, and stay updated with industry standards. Participation in these events aligns with the institution's commitment to fostering a competitive, skill-oriented, and well-rounded learning environment.

4. Practice

The institution actively encourages students to participate in recognized national technical events, hackathons, and competitions. Key strategies include:

- Organizing workshops, preparatory sessions, and mock competitions to help students build relevant skills.
- Providing financial support and sponsorship for travel, registration, and accommodation.
- Offering guidance from faculty advisors or mentors who help students prepare, set goals, and navigate challenges.
- Facilitating internal selection rounds or mini-competitions to help students qualify and perform better in national events.
- Encouraging participation through awards and certificates of recognition.



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5. Evidence of Success

Success is measured through several indicators:

- **Increased Participation Rate:** An increase in the number of students representing the institution in prestigious technical events each year.
- **Awards and Recognition:** Students winning or securing top positions in competitions, showcasing institutional talent and capability.
- **Skill Improvement:** Improved technical, communication, and teamwork skills among participating students, as observed through post-event feedback and assessment.
- **Enhanced Placement Opportunities:** Students who participate in these events report higher placement rates and opportunities due to their developed competencies.
- **Student Testimonials:** Positive feedback and testimonials from students who find value in these experiences for personal and career growth.

<p align="center">AITAM's Go-Karting Championship, 2024</p> <p>Best Design Award with cash prize of Rs. 15000/- to the team Markenyandeya at AITAM's Go-Karting Championship, Aditya Institute of Technology & Management, Tekkali, Srikakulam on 27.02.2024.</p>	
<p align="center">IEEE International Project Expo</p> <p>First position with 10000 cash prize in International Project Expo Conducted by IEEE and Sasi Institute of Technology and Engineering, Tadepalligudem during 23-25 Feb 2024.</p>	



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MSME Idea Hackathon 3.0 (Women)

Two Ideas got selected for a financial grant of **Rs. 20.15 Lakh** under **MSME Idea Hackathon 3.0 (Women) Scheme**.

Ideas:

1. Grid Interactive BI-Directional Charger.
2. Cyber Physical solution for battery swapping station

Yukti Innovation Challenge-2023

3rd Prize at Yukti Innovation Challenge-2023 under SCRO Region by Ministry of Education's Innovation Cell (MIC), KL University, Vijayawada, 06.01.2024.



Master Orator Championship 2023

Amudalapalli Jaya Sri of 4th Year CSE won **First Place** in Master Orator Championship, International Toastmasters in ISB Hyderabad on 08th October 2023.



FOMBI-23

Mechanical students won the **Runner-Up position** at **“Formula Off Road Mini Baja India (FOMBI-23)”** organized at Bhopal, August 2023.





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6. Problems Encountered and Resources Required

Problems Encountered:

- **Time Management:** Balancing academic workload with competition preparation can be challenging for students.
- **Mentorship and Guidance:** Limited availability of experienced mentors and faculty with expertise in specific technical areas.
- **Awareness:** Students might lack awareness about upcoming national-level technical events and the preparation required.

Resources Required:

- **Financial Support:** Institutional or external funding for travel and registration to alleviate financial burdens.
- **Faculty Mentorship:** Dedicated faculty members or external experts to guide students.
- **Networking Platforms:** Connections with industry professionals and event organizers to stay updated on upcoming competitions.
- **Training Facilities:** Access to labs, tools, and software for technical preparation, enhancing students' skills before the event.



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Best Practice-II

1. Title: Promoting Research Culture and Innovation Among Students and Faculty

1. Objective

To create a thriving research ecosystem within the institution that encourages both students and faculty to engage in innovative projects and academic research. This initiative aims to foster critical thinking, creativity, and problem-solving skills, empowering the academic community to contribute to scientific advancements and address real-world challenges.

2. Context

In the current knowledge-driven world, the capacity for research and innovation is a significant indicator of institutional quality and competitiveness. However, a robust research culture requires dedicated support, guidance, and resources to facilitate exploration and encourage continuous inquiry. Promoting research and innovation aligns with the institution's mission to produce skilled graduates, contribute to society, and maintain academic excellence through contributions to various fields of knowledge.

3. Practice

To cultivate a strong research culture, the institution implements the following practices:

- **Research Centers and Labs:** Establishing dedicated research centers and well-equipped labs to support a range of disciplines and provide students and faculty access to essential resources.
- **Workshops and Training:** Organizing regular workshops on research methodologies, grant writing, publication ethics, intellectual property rights (IPR), and innovation practices.
- **Research Collaborations:** Facilitating collaborations with industries, research institutions, and universities at the national and international levels to enhance resource sharing and research impact.
- **Recognition and Rewards:** Recognizing and awarding successful research contributions through publications, patents, conference presentations, and impactful projects.



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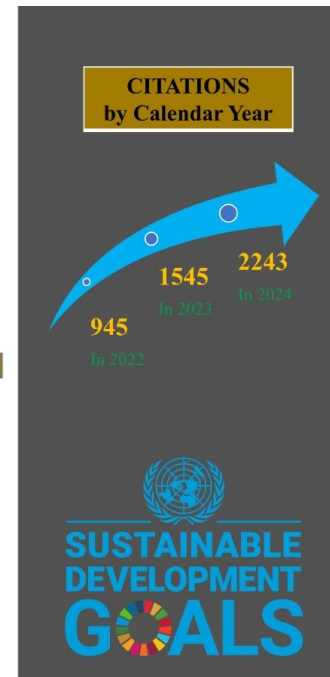
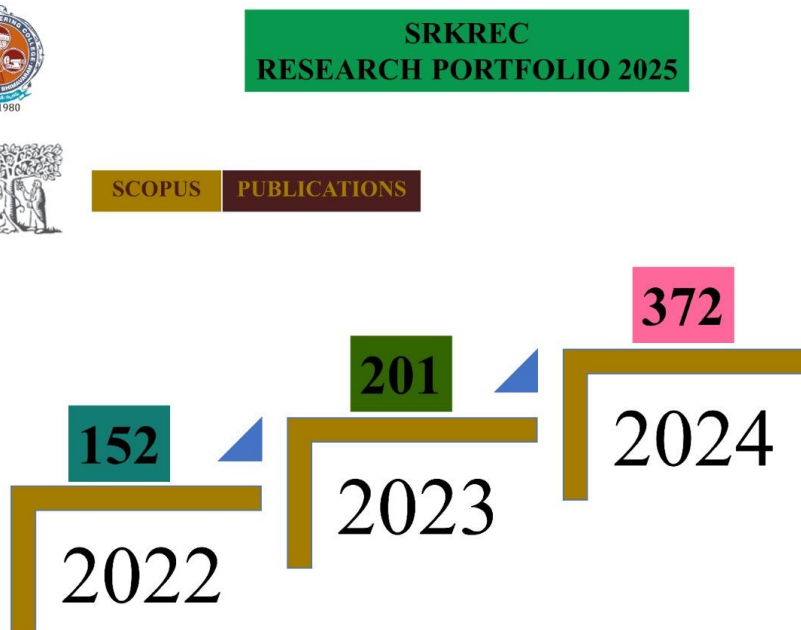
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- **Publication Support:** Providing resources and mentorship to help students and faculty publish their work in peer-reviewed journals or present at conferences.

4. Evidence of Success

The effectiveness of these practices can be observed through:

- **Increased Research Output:** Growth in the number of research publications, patents filed, and conference presentations.
- **Student Involvement in Research:** More students participating in research projects, internships, and thesis work, and engaging in national and international research competitions.
- **Faculty Recognition:** Faculty members receiving awards, grants, and recognition for research contributions and innovations.
- **Successful Collaborations:** Establishment of meaningful partnerships with industries and research organizations, enhancing resource availability and widening the research scope.





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5. Problems Encountered and Resources Required

Problems Encountered:

- **Funding Limitations:** Insufficient funds to support all potential research projects or cover high costs of advanced research equipment.
- **Limited Access to Resources:** Lack of access to certain high-end research tools, data repositories, and software, especially for complex research.
- **Time Constraints:** Faculty balancing teaching responsibilities with research work and students managing academic commitments alongside research projects.
- **Need for Mentorship:** A shortage of specialized mentors for certain advanced research areas, especially in emerging technologies.

Resources Required:

- **Enhanced Funding:** Increased internal funding for student and faculty projects and assistance in securing external grants.
- **Advanced Research Facilities:** Investment in specialized labs, tools, software, and subscriptions to journals and databases.
- **Mentorship Programs:** Engaging experienced researchers and industry experts as visiting mentors to guide students and faculty.
- **Research Incentives:** Institutional policies to reduce teaching loads or offer incentives to faculty actively involved in research.