



SAGI RAMAKRISHNAM RAJU ENGINEERING COLLEGE (AUTONOMOUS)

(Affiliated to JNTUK, Kakinada), (Recognized by AICTE, New Delhi) Accredited by NAAC with 'A' Grade

UG Programmes CE, CSE, ECE, EEE, IT&ME are Accredited by NBA

Chinamiram, Bhimavaram-534204.(AP)

Research Promotion Policy

Aims: To transform SRKREC into a creative hub where Industry and Government find Technological Innovations that solve problems of the people and the planet through profitable means.

Objectives:

1. To stimulate the higher order thinking skills amongst the faculty and students by participating in applied research that help to transfer technology solutions to society.
2. To try and motivate the bright faculty and students to become job creators rather than job seekers by creating a supportive ecosystem for technological innovation and business incubation.

Goals:

- SRKREC will encourage faculty to enhance their teaching by engaging in applied Research and Development of innovative Engineering and Technology solutions to societal problems through testing, consultancy, research and enterprise incubation.
- The college further strives to create an entrepreneurial ecosystem where the intellectual property generated by the constituents of the college is exploited to create startups that further the economic and social progress of the region.
- To achieve the stated Aims and Objectives above, a common process as given below is established for all the departments in the college to enable and encourage the faculty to conduct sponsored research. The individual or research group shall follow the announcements of funding agencies such as DST, DBT, MNRE, AICTE, MHRD, MoEF, DRDO, research boards of the three wings of the Indian Armed Forces etc., to apply for funding to carryout applied research (in case of engineering departments) and possibly fundamental research in the case of math's and science departments.

The mechanism of proposal submission to funding agencies is shown in figure 1.

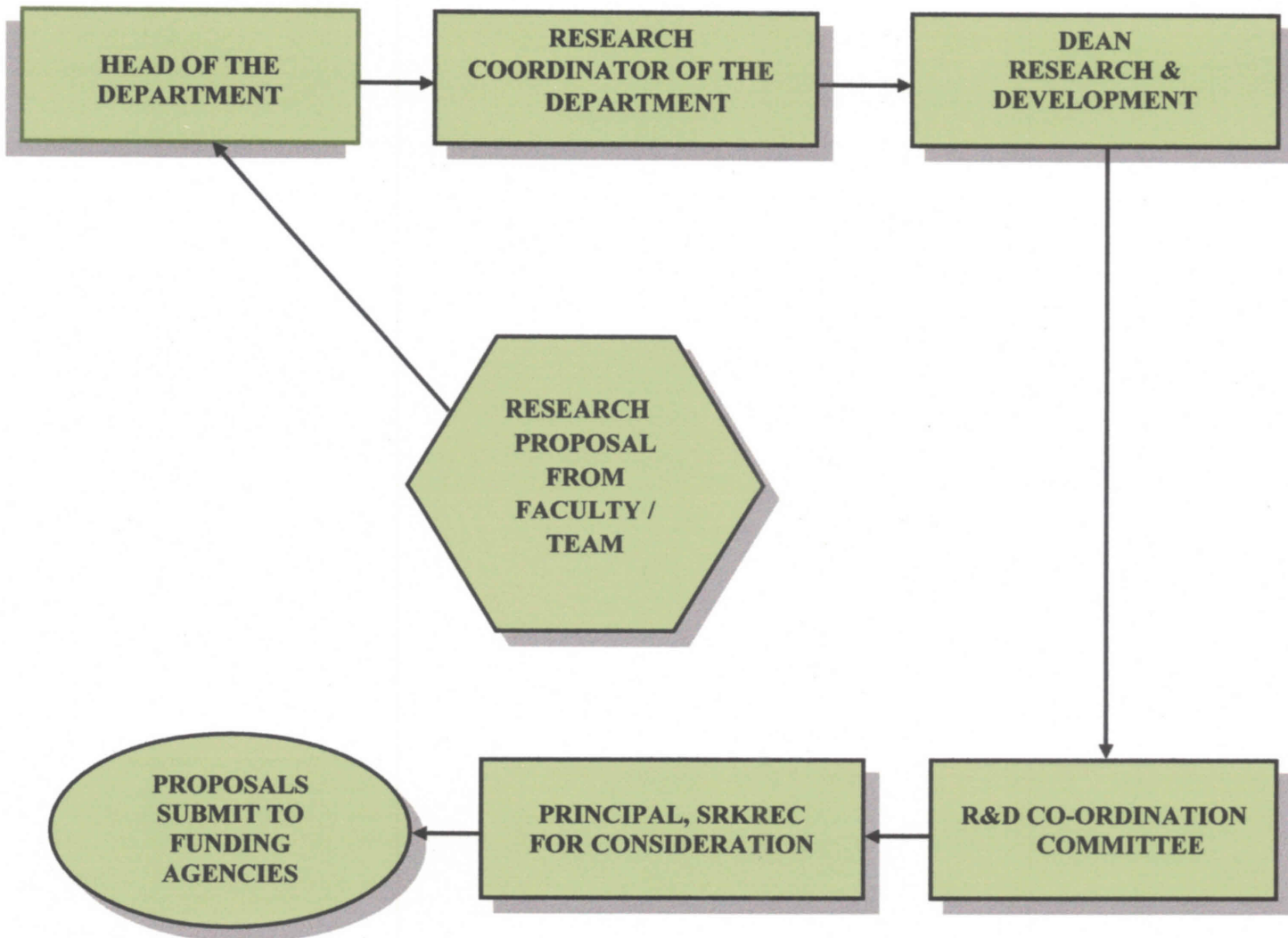


Figure 1. The Mechanism in the SRKREC for the Submission of Proposal to Funding Agencies



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Research & Development policies:

1. In-service faculty who have an offer to pursue Ph.D. research on part-time basis at Universities, NIT's and IIT's may have to fulfill residency requirement by earning credits through regular coursework on campus. Such candidates will also need to spend a stipulated time of about a week every semester at the institute to review his/her research work progress. In order to promote high quality research, such candidates will be given leave with full pay for the period of absence to pursue the academic semester, such absence not being longer than the duration suggested by the academic calendar of the host institute. This shall be a one time opportunity for an individual in his service to the institute. To visit the institute every semester for research reviews, until the thesis defence, the concerned faculty may utilise his leave entitlement or split his vacation eligibility between winter and summer terms. Such arrangements shall be accepted based on the discretion of the concerned HoD, in conjunction with the Principal of the college giving priority to departmental obligations. In any case, not more than four staff members can be deputed at a time, to pursue their residency semester for earning academic credits. The HoD may decide to send lesser than four staff but not more than four per semester depending on the exigencies in the department.
2. Staff who utilise the above facility shall sign a bond with the college to commit to work for a period of at least 3 years post the residency semester with SRKR Engineering College. In case of inability to complete the 3 years bond period, the concerned has to return the salary received from college during his/her residency semester with an annual interest of 8% calculated from the respective credit dates of the monthly salaries, during the absence from institute.
3. Those senior faculty who have been promoted beyond Assistant Professor cadre under the instance of the erstwhile "CASH" scheme to Associate Professor or Professor may pursue full-time Ph.D. at Government Institutes and avail 50% Basic Pay and 100% DA of their pay at the time of leaving for Ph.D. research. Such pay will be provided for a maximum of 4 years. Those who do not submit their theses within 4 years, have to



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Convert their Ph.D. to part-time and return to SRKREC and join full-time duties. They have to complete Ph.D. to return to normal pay.

4. Staff who utilise the above facility shall sign a bond with the college to commit to work with SRKREC until superannuation. In case of leaving the service of college before attaining superannuation, the concerned staff member has to return all the salary paid by the college to him/her during the 4 year period of absence with 8% interest in one go, such interest being calculated from respective credit dates of monthly salaries.
5. Staff members are also encouraged to approach the Principal through proper channel for being sponsored through the QIP programme for pursuing research. Not more than one staff member per department per academic year shall be sponsored under QIP. At the time of application however, more than one person may be given NOC for the sake of attending the qualifying exam or attending the interview. In case of more than one person per department getting admission under QIP, the decision of the Management shall be final.
6. Every year, faculty will be offered Rs. 2000/- and Rs. 5000/- as incentive upon publication of their paper in National and International journals respectively for Engineering and Science faculty. For the research papers presented in Regional / National / International Conference / Seminars / Workshops (conducted by IISc, IIT, NITS, IIITS, Universities) they will be reimbursed the registration fee (subject to a ceiling of Rs. 3000/- per conference) and also to-and fro II sleeper class railway fare, provided they are held within the country. For the paper publications in conferences held outside India, the Management shall decide on the financial assistance based on recommendations of research committee. In any case, a faculty member can utilise this incentive only once a year.
7. 50% of the Overheads of the research projects will be allocated for PI and other investigating team of the research project.



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8. Incentives for preparation and submission of research projects to government agencies like DST, UGC, AICTE etc., will be awarded based on recommendations of research committee.
9. The Principal's office shall facilitate proper maintenance of accounts for project funds at the college level. The concerned PI needs to keep in regular touch with the designated staff for updating the accounts and keeping them up-to-date.

Pathways for Innovation and Monetization of research:

1. Proponents who wish to avail of financial assistance under this framework are required to submit a Business Plan with clear demarcation of the resources expected from college and the time commitment of faculty and students involved.
2. The project proposals are considered by the SRKREC (Innovation Committee) once a year and decisions are taken by the Management keeping in view the recommendations of the committee

Level of Assistance:

1. Proposals involving development of equipment may receive up to Rs 50,000/-
2. Proposals involving software development may receive up to Rs. 30,000/-
3. Separate assistance is available for items like books and Journals, field work including transport and contingency expenditure including printing of questionnaires, computation work and preparation of Marketing Plan.

Duration of Implementation:

The duration of the incubation will be 1 year or 2 years based on the complexity of the business idea and recommendation of the Research Committee.



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Release of Funds:


The amount sanctioned for the proposal under the scheme would be released as under

- > 30% on approval
- > 30% on completion of 3 months, accompanied by the progress report and statement of expenditure for the 1st installment
- > 40% on product launch and approval of test marketing report by the Research Committee appointed reviewer, receipt of statement of expenditure and utilisation certificate.


Conditions:

1. All assets in the form of equipment or other items arranged during the incubation will become the property of the SRKREC upon product launch. Books and journals purchased with the assistance shall be returned to SRKREC library by the proponent after the completion of the project.
2. Innovation Assistance will be available to a staff member as the lead for only one Project in a period of five years. He can however be a participant in other proposals if the research committee is satisfied that the efforts in the ongoing proposals will not be diluted.
3. Prior approval of SRKREC will be necessary for protecting the intellectual property generated during the period of product development and prototyping of the project supported by SRKREC. The research committee shall decide the ownership structure and modality of registering the intellectual property.
4. The proponent is required to submit two copies of the scale up plan of the business along with details of the employment generated within two months of the end of the tenure of the funding.

The proposals should be forwarded through the Head of the Department to the research and innovation committee.


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