

R&D Policy



S V COLLEGE OF ENGINEERING (SVCE)

INTRODUCTION

Research is the foundation of knowledge that brings new energy, builds state of the art facilities, promotes research publications and develops Institute –Industry collaborations. Research and development activities create and disseminate new knowledge and promote innovation that motivates better learning and teaching among faculties and students at SVCE. **SVCE aspires to carryout social impactful and industry-oriented research in engineering disciplines.**

Research Policy is formulated to create and support research culture among faculty and students. The policy ensures enhancement of professional competence, promote scientific temper and research aptitudes of all learners.

The **R&D Cell** will enable the faculty and students to pursue research and participate in consultancy works, in this endeavor, this document states the Research policy and guidelines so that individuals involved in research activities will abide by certain rules and regulations pertinent to research.

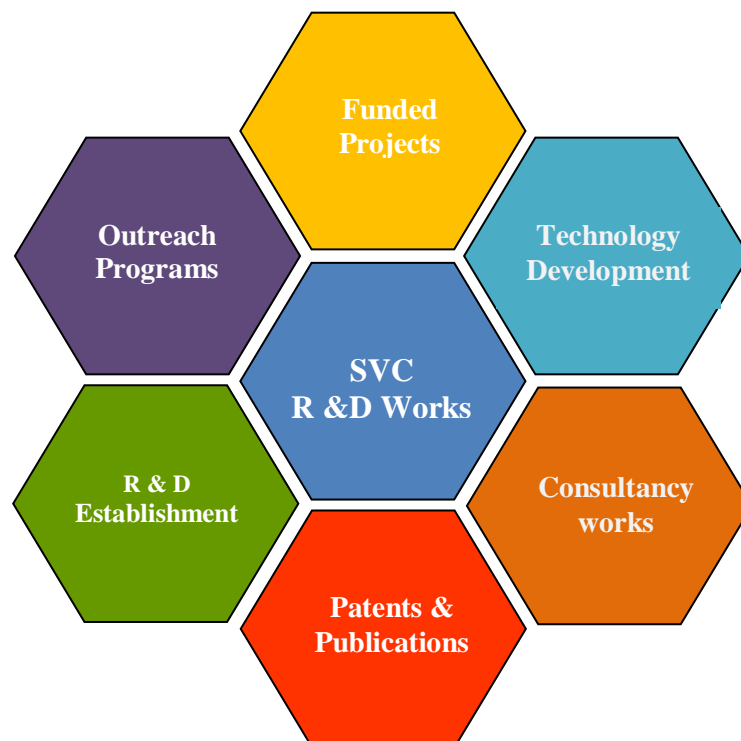
The pursuance of social impactful and industry oriented research are accomplished with the following objectives:

- ✓ College offers freedom of thought and expression to the researchers in selection of research area/topic and identification of problem-solving methods.
- ✓ College provides the support in research facilities like infrastructure - labs, tools, software, hardware etc. to encourage young and experienced faculty to nurture their interests into research.
- ✓ College provides opportunities to the researchers to collaborate with premier academic institutes, reputed R & D Institutes through faculty development programs, Government funded projects, Industry Consultancy works etc.
- ✓ College recommends to maintain confidentiality, wherever the research calls for the confidentiality.
- ✓ College encourages to carry out multi-disciplinary research along with individual domain research.
- ✓ Faculty members and students must adhere to the principles of honesty and accuracy so that the knowledge is represented without distortion of the truth while doing research.

- ✓ College expects that research activities are committed to high standards of ethics, integrity and conduct.
- ✓ The equipment, hardware and software obtained through internal or external grants should be available to all faculty and students within the college, based on availability.
- ✓ Approximate Operational Expenses for R&D Cell will be Rs 25,000/- per year (Stationary & Maintenance)

RESEARCH OUTCOMES

- ✓ The outcomes of the research are documented securely and retrievable, available to other researchers wherever possible
- ✓ Grant of Patent rights will be in the name of college & Inventor.
- ✓ The Consultancy grants will be utilized for Improving R&D facilities.



ROLE

A college level **R&D Cell** consisting of minimum 4 senior faculties shall be formed with a member from each dept.

- Every year, a day is marked as Research Day to celebrate the hard work and success of certain people who have shown excellence in R&D (MAR/APR). This day is celebrated with certificates and medals being given to students and faculty for showcasing :
 - Their R&D achievements
 - to award Best researcher
 - Idea sharing / project exhibition
 - Design competitions
 - Paper Presentations

RESPONSIBILITIES

The **R&D Cell** shall be responsible for implementing the R&D policy by working closely with the college management.

The specific functions of the **R&D Cell** will be as follows:

- Guide and encourage the faculty & students in undertaking research
- Provide research facilities in terms of laboratory equipment, Software, research journals, magazines, financial support for publication of research journals etc.
- Raise required research fund for providing seed money.
- Organize workshops/ training programs to promote research culture on campus.
- Facilitate industry to use the infrastructure of the college and sponsor research projects.
- Guide and assist in Patent filing process
- Facilitate Inter-departmental/interdisciplinary research projects.
- Provide support related to Memorandum of Understanding (MoU), Non-Disclosure Agreements (NDA), Work Agreements, Copyrights/Trademarks, Licensing and Expression of Interests while collaborations and execution of the projects.
- Provide opportunities to carry out outreach programs and be a part of nation building.

R&D POLICY FOR FACULTY

The Institute follows a unique incentive scheme to reward the faculty for the research and consultancy works carried out in the respective year. This scheme is introduced by the management to impart research culture and to motivate faculty towards identifying new innovations.

Incentives for Research Publications & activities:

SNo	Activity	Incentive (in Rs)/ year per Faculty
1	Publication of paper in International Journals Indexed by SCI/WoS or High Impact Factor Journals	10,000 (First Author) 5000 (Second Author)
2	Scopus	8,000 (First Author) 4000 (Second Author)
3	UGC CARE LIST	4,000 (First Author) 2000 (Second Author)
4	Presenting paper in IEEE/Springer/Elsevier International conferences outside Andhra Pradesh	Registration fee (up to 5,000)
5	Publication of Books – International Publisher	20,000 (First Author) 10,000 (Second Author)
6	Publication of Books – National Publisher	10,000 (First Author) 5,000 (Second Author)
7	Publication of Books – Regional Publisher	5,000 (First Author) 3,000 (Second Author)
8	Publication of Book Chapter	5,000 (First Author) 3,000 (Second Author)
9	Published Patent with college name	20,000 (First Author) Division by No. of Authors (Multiple Authors)
10	Granted Patent with college name	30,000 (First Author) Division by No. of Authors

		(Multiple Authors)
11		
12	Attending FDP/Workshop/seminar related to Latest Technologies (As per IQAC Recommendation)	Registration fee (up to 1,000)
13	Faculty visiting Industries/ attending proposal presentations	Travelling Allowance (Up to 3rd AC Train Fare)
14	Faculty Certification in NPTEL/ Coursera/edX/Skillshare/Udemy courses	Actual fees paid
15	SVC Best Researcher Award	5,000 per College
16	Organizing Workshops/ Seminars/ Trainings	Up to 20,000 per Dept

INCENTIVE FOR RESEARCH PROJECT GRANTS

SNo	Category	Name	Research Incentive
1	Funded Research Projects from Govt. organizations, R&D Organizations, Industry, University etc. (applicable only for grants above 5 lakhs)	Principal Investigator	10% of the Received Fund
		Co-investigator	5% on Received Fund
		Supporting Staff	3% on Received Fund
2	Consultancy and Testing services	Individual/ Team	Ratio of 60:40 is shared between Institution and Individual / Team respectively
3	Patent	Author(s)	Ratio of 50:50 will be shared only on commercialization of the Patent

Note: NOTE: It is mandatory to associate College name, in order to avail the proposed incentives.

- Incentive shall be given, only after the Utilization Certificate (UC) is approved by the funding agency
- (*) – Above mentioned incentives applicable only when the Research projects approvals are completely processed and got approved by the faculty themselves. **In other cases, the incentive will be 50% of above mentioned.**
- Faculty members recipient of the incentive scheme need to **render their service in the college for minimum of two years**, else they need to reimburse the incentive.
- Prior permission & approval need to be taken from the management before starting of any of the activity.
- **Necessary formats for all the incentive schemes will be shared by the R & D cell and concerned personnel need to follow the formats.**

R&D POLICY FOR STUDENTS

SNo	Activity	Incentive (in Rs)
1.	Support for conducting Idea Competitions	10,000 per year
2.	Seed funding for best projects (<i>participating in National level competitions like SIH, Viswakarma Awards, AP Govt. Electrothan etc.,</i>) <ul style="list-style-type: none"> • Top 3 projects (up to 50,000 each) • Top 4 to 8 projects (up to 20,000 each) • Exceptional project with higher requirement will be considered on case by case basis 	Upto 2.5 lakhs per year
3.	Paper publishing in National /International reputed journals (Up to a total of 50,000 / year)	3,000/- per Team
4.	Paper Presentation in reputed Conferences (Up to a total of 50,000 / year)	Registration fee up to 1000/-
5.	Presenting models in Project expos outside Tirupati (Up to a total of 50,000 / year)	Travelling Allowance - Sleeper class Train fare
6.	Patent Filing charges	25,000 per patent