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 learningand 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, inthisendeavor,thisdocumentstatestheResearchpolicy and guidelines sothatindividualsinvolvedinresearch activities will abide by certain rules and regulations pertinent toresearch.

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-solvingmethods.
- ✓ 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.



R&D COMMITTEE

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

The committee will be responsible for achieving the following targets for the academic year, as mentioned below. **HODs will be responsible for the Department level R&D targets.**

- Research proposals to be submitted for the National Funding agencies
    - Target - 10 (2 per Dept)
- Research projects to be sanctioned
    - Target - 5 (1 per Dept), each project with minimum of 25 lakhs funding
- Research publications
    - SCI / WOS – 36 (No. of sections in one year * 3)
    - Scopus/UGC – 72(No. of sections in one year *6)
    - Papers in International Conferences – 144 (No. of sections *12)
- Patents to be filed - 10 (2 per Dept)
- At least 1 workshop per semester to motivate students and faculty towards R & D activities
- Organize1college level Idea competition**- best ideas to be funded by the institution**
- 1 Workshop on IPR & R and D proposal submission
- 1 International conference to be organized in emerging areas
- 1 National conference to be organized in emerging areas
- 1 Inter departmental Project Expo to be conducted
- 2 MOUs with industries & R&D / Premier Institutes
- Every year, a day is marked as Research Day to celebrate the hard work and success of certain peoplewho 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 OF R&D CELL

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

The specific roles and functions of the **R&D Cell** will be asfollows:

- Guide and encourage the faculty& studentsin undertaking research
- Provideresearchfacilitiesin terms o flaboratory equipment,Software, research journals, magazines, financial support for publication of research journals etc.
- Raise required research fund for providing seedmoney.
- Organize workshops/ training programs to promoteresearch culture oncampus.
- Facilitateindustrytousetheinfrastructureofthecollegeandsponsor researchprojects.
- Guide and assist in Patent filingprocess
- Facilitate Inter-departmental/interdisciplinary researchprojects.
- 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 consultancyworkscarried outintherespectiveyear. Thisschemeisintroducedbythe 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	**6,000**
2	Scopus/UGC	**3,000**
3	Presenting paper in IEEE/Springer/Elsevier International conferences outside Andhra Pradesh	**Registration fee (up to 5,000)**
4	Publication of Books (Main author)	**5,000**
5	Publication of Books (Co-author)	**2,000**
6	Patent with college name (Expenditure for filing)	**25,000 per patent**
7	Attending FDP/Workshop/seminar related to Latest Technologies (recommended by Principal only)	**Registration fee (up to 1,000)**
8	Faculty visiting Industries/ attending proposal presentations	**Travelling Allowance (Up to 2nd AC Train Fare)**
9	Faculty Certification in NPTEL courses	**1,100**
10	SVC Best Researcher Award	**5,000 per College**
11	Organizing Workshops/ Seminars/ Trainings	**Up to 20,000 per Dept**

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

INCENTIVE FOR RESEARCH PROJECT GRANTS

SNo	Category	Name	Research Incentive
1	Funded ResearchProjects from Govt. organizations, R&D Organizations, Industry, Universityetc.**(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:

- **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***(participating in National level competitions like SIH, Viswakarma Awards, AP Govt. Electrothan etc.,)*** • Top 3 projects (up to 50,000 each) • Top4 to 8 projects (up to 20,000 each) • Exceptional project with higher requirement will be considered on case by case basis	**Upto2.5 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**