R&D (RESEARCH & DEVELOPMENT) POLICY

(ACADEMIC YEAR 2024-25)

1. PREAMBLE:

Sri Venkateswara College of Engineering, Tirupati (SVCE, Tirupati) endeavors to establish itself as a Center of Excellence focusing on quality technical education and research. The institution's vision is to foster research, innovation and technological advancement through its Research and Development (R&D) Cell. This policy document comes into effect from 01st July 2024 to 30th June 2025 and serves as a comprehensive framework within which research activities may be incentivized to foster the research activities and increase the productivity in terms of projects and publications. The review on research activities and targets are conducted in the first week of January 2025 and July 2025.

2. OBJECTIVES:

The objectives of the policy include, but not limited to

1. To catalyze the vibrant research culture and advancing both fundamental and interdisciplinary research.
2. To publish research findings in peer reviewed journals and securing Intellectual Property Rights through patent filings.
3. To create conductive environment for internal funded and sponsored research projects.
4. To offer consultancy and technology transfer services to allied industries.
5. To cultivate a culture that nurtures Innovation, Design, Development and Entrepreneurship.
6. To establish 'center of excellence' in emerging areas of significance.
7. To corporate and collaborate with academia, industry and research organizations.
8. To promote international conferences / seminars / workshops in collaboration with professional bodies to facilitate research exchange opportunities.
9. To ensure the high quality and maintenance of ethics in research.
10. To ensure fair and justified incentives for valuable research contributions.

3. RESEARCH & DEVELOPMENT CELL:

Research & Development Cell (R&D Cell) consists of institute faculty members and reviewed at the beginning of every academic year or as and when required. The R & D cell is headed by the

Dean R&D who is the apex body of the cell. The Principal designates the members of the cell selecting potential researchers from each department / division. The R&D Cell shall be responsible for implementing the Policy on 'Research and Development' by working closely with the Principal and Dean R&D.

The circular detailing the composition of the cell will be prepared separately and communicated among the faculty members. Regular meetings of the R&D Cell are scheduled monthly, with the quorum set as the nearest whole number exceeding 75% of the cell's membership. The R&D coordinators may decide for any additional meetings as per need basis.

3.1. The specific functions of the R&D Cell:

- Promoting and nurturing the culture of research within the institute.
- Formulating and upholding a departmental research publication strategy align with the department targets.
- Raising required research fund for providing seed money.
- Promoting the national and international links and collaborations with our organization.
- Guiding and supporting the faculty members in the patent filing process.
- Facilitating inter-departmental/interdisciplinary research projects.
- Facilitating industrial collaboration and visits.
- Organizing lectures by distinguished individuals on cutting-edge topics.
- Providing opportunities to carry out outreach programs and be a part of a nation building.
- Preparing and circulating the minuets of R & D meetings to all the faculty members with copies to relevant authorities.
- Collaborating with department heads and research coordinators to review the progress of various research activities.
- Motivating and assisting students for state/ national/ international research projects and competitions.
- Submitting annual reports on the progress and research activities within the institute to the Academic Council and IQAC.
- Disseminating information on funding agencies and recent calls for proposals from various funding agencies to institute community.

4. DEPARTMENT RESEARCH COMMITTEE:

Each department within the college establishes a Department Research Committee (DRC) with the following composition. The DRC works in close collaboration with the R & D cell to ensure

the smooth implementation of research activities and to promote a dynamic research culture within the institution.

Sl.No.	Composition	Designation
1	Head of the Department	DRC - Chairman
2	Faculty member - Professor	Member
3	Faculty member – Associate Professor	Coordinator
4	Academic Expert - External	Member
5	Industry Expert - External	Member

- The DRC assumes a crucial role in formulating research objectives for both departments and individuals.
- Besides the DRC takes proactive measures to encourage and acknowledge research initiatives at the student level. It also facilitates reimbursement activities using available departmental funds.

5. GUIDELINES FOR INCENTIVES:

1. For the incentive related to research paper publications, all claims must be accompanied by two hard copies of the published paper, along with indexing proof and reviewer comments.
2. Only those papers, where the author's affiliation belongs to our college i.e., **"Sri Venkateswara College of Engineering, Tirupati"** will be eligible for incentive.
3. Only first / corresponding author is eligible for full publication incentive.
4. If the first / corresponding author is from SVCE, then the author will be entitled for full cash incentive.
5. For all author positions is from SVCE, he/she is eligible for cash incentive as per policy.
6. Each publication is eligible for single incentive claim.
7. Incentives for any publications in books/book chapters etc. are reviewed by the R&D Cell committee.
8. Individuals who have secured sponsored or consultancy projects worth more than 10 lakh may submit a request letter for partial relief in departmental workload to the principal through Dean R&D & HOD. The Dean R&D will examine such request case by case and sends his/her recommendations to the principal for necessary approval.

6. INCENTIVES:

The following are various incentives given to individual faculty members and departments based on their research contributions.

6.1. PUBLICATIONS

6.1a. Journal Publications:

INCENTIVES for PUBLICATIONS	First Author or Corresponding Author		All Other Author Positions	
JOURNAL RANKING	Q1, Q2 or A*, A	Q3, Q4 or B, C	Q1, Q2 or A*, A	Q3, Q4 or B, C
WOS, SCI, SCIE, ESCI Indexed	15,000	10,000	10,000	7,000
SCOPUS, SSCI, AHC Indexed	10,000	8,000	8,000	5,000
CONFERENCE (Scopus/WOS/EI Indexed)	5,000		4,000	

- Author should mention the name of the college clearly as "**Sri Venkateswara College of Engineering, Tirupati**" instead of SVCE, etc.
- Faculty members are eligible to claim up to Four publications, which may include those indexed in Web of Science (WOS), SCI, SCIE, SSCI, ESCI, Q1, Q2, Q3, Q4, A*, A, B, C and Scopus.
- For all other author positions, the incentive is divided by the no. of authors minus one.
- Journal Rankings: Q1, Q2, Q3, Q4 are applicable for Engineering and Sciences.
- Journal Rankings: A*, A, B, C are applicable for Management studies.

6.1b. Citations and h-index:

- For every 50 new citations increase on Scopus / WoS data base, faculty members are eligible for an incentive of Rs 2000/-. Self-citations are exempted from the citation count. Additionally, if a faculty member increases his/her h-index by +2, he/she will receive a corresponding incentive of Rs. 2000/- per +2 number.

For every 50 new citations (Scopus / WoS Database)	2,000	Self-citations are exempted
For every Scopus h-index improvement by 2 number	2,000	--

6.2. RESEARCH PROJECTS:

Principal Investigator Only	10% of Sanctioned amount
PI and Co - PI	7% and 3% of Sanctioned amount

6.3. PATENTS:

Status	Amount	Remarks
Design Patent Grant	5,000	The name of the applicant should be "**Sri Venkateswara College of Engineering**" in all the Patent publications / Grants along with accurate institution address.
Product Patent Published	5,000	
Product Patent Granted	10,000	

- *The incentive is divided among all Inventors*

6.4. BOOKS / BOOK CHAPTERS (Multiple Authors share incentive equally):

Book Authored	10,000	Springer / Elsevier / ACM / Wiley / ICI and other publishers of same standard
Book Edited	5,000	
Book Chapter	3,000	Should be Scopus Indexed

- *If received incentive for conference, resulting book chapter will not be considered*

6.5. ORGANIZING CONFERENCES / SEMINARS / FDPS:

- Conveners or coordinators of programs are eligible to claim Rs. 5,000/- for actively organizing workshops, seminars, conferences, or trainings funded by Government or private agencies.

6.6. EXTERNAL AWARDS:

- Faculty who receive any international or national awards recognized by IETE, ISTE, AICTE, JNTUA, State Govt. or Central Govt. will be honored with an amount of Rs. 5,000/-.

6.7. CONSULTANCY PROJECTS:

EARNINGS	PI & TEAM	ORGANIZATION
Testing and Calibration	50% of Agreement amount	50% of Agreement amount
Intellectual Consultancy	80% of Agreement amount	20% of Agreement amount

- *Publications resulting from consultancy work are not eligible for incentives.*
- *Team should get consultancy charges as per agreement amount.*

6.8. CENTRE OF EXCELLENCY:

- Centre of Excellence in skilling ecosystem is envisioned to be one stop resource center at SVCE, established in partnership with government or industry to raise student training standards, address emerging skill gaps, and align them for industry needs.
- A Centre of Excellence in our institution is for executing the programs / projects by strengthening the existing infrastructure and boosts cutting edge research.
- The department head and a faculty member as SPOC drives the establishment of the CoE funded by Government or Industry.
- Funds allocated for CoE establishment should be a minimum of 5 Lakhs for getting incentives.
- Faculty involved in establishing the CoE receives a one-time recognition incentive of Rs 10,000 as acknowledgment for their contribution.

7. SVCE RESEARCH AWARDS:

SVCE's annual research awards aim to acknowledge the faculty members for their outstanding contributions in research and to inspire the individual excellence in the field of research. These awards are presented under multiple categories.

7.1 Guidelines for Awards:

- The Publications must be in WOS/SCI/SCI expanded / Q1/ Q2/Q3/Q4 and Scopus along with DOI.
- Granted projects and patents are considered.
- Only first author / corresponding author and or principal investigators are eligible to apply for the award(s).
- Awards are subject to approval of R & D cell.
- A Citation and a memento are given to the awardees on Research Day.
- No individual can be benefited from more than one award in an academic year / assessment period.

7.2 Award Categories:

1. '***Best Researcher Award***' **in the Department:** The award for the outstanding faculty based on his/her highest research contribution as evidence of publications in highest impact factor journals and projects granted as Principal Investigator within the department.

The selection criteria are as follows and the awardee will be the one with highest score with in the department.

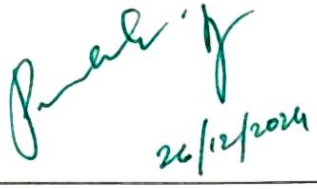
S.No	Criteria (Data pertaining to the assessment year)	Points
1	Research papers published in the reputed Journals (SCI, SCIE, ESCI, WoS, Q1, Q2) as First / Second / Corresponding author (Limited to 4 papers)	First Author – 30 / Paper Second Author – 20 / Paper Corresponding Author – 20 / Paper
2	Research papers published in the reputed Journals (Scopus, Q3, Q4) as First / Second / Corresponding author (Limited to 4 papers)	First Author – 25 / Paper Second Author – 15 / Paper Corresponding Author – 15 / Paper
2	Increasing citations and h-index [2024-25]	For every 100 citations – 5M For every h-index +2 – 5M
3	Research proposals submitted to the external agencies	Research funds (2 to 10Lakhs) – PI – 50M Co-PI – 30M Research funds (10Lakhs and above) – PI – 100M Co-PI – 40M
4	Patents Granted	Investigator – 30M Co – Investigator – 5M

2. '***Department with Outstanding Research***' **Award:** This award will be given to department with outstanding research contribution. The calculation of department research index will be as follows.

Department Research Index = {(Total publications & Patents granted score) / N + (Total department fundings) / P}

N = No. of faculty in department (Service of 6 months+ will be considered for faculty count in an Academic Year)

P = No. of doctoral faculty (Service of 6 months+ will be considered for faculty count in an Academic Year)

Proposed By:	*Recommended By:*	*Approved By:*
Sign	*Sign*	*Sign* 
Vice Principal SVCE	*Principal SVCE*	*Vice Chairman*

- The policy document has a provision to review by next academic year or at any point of time with discretion of management. Whenever required, for all matters unclear from the document, as a general principle, Dean R&D / Principal may be approached for clarifications required. If conflict arises, a three-member committee headed by Principal will take decisions keeping the interest of the institute and faculty.