St. Vincent Pallotti College of Engineering & Technology

A Christian Minority Autonomous Institution affiliated to RTM Nagpur University
Managed by *The Nagpur Pallottine Society*

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Students' R & D Policy 2024-25

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Research & Development Policy for Students
Academic Year 2024-25

1. Objectives:

1. To promote research culture among students in the institution.
2. To develop research capability of students by improving participation in Technical events / National & International Conferences / Research Publications in Reputed Journals.

2. Research Policy for attending technical events, journal publications, conferences & collaborative projects

- Students participating in the reputed conferences in top ranked Engineering/Science Institutes, National Research centers, Industries of high repute within country & reputed International Professional Bodies like IEEE, IET, SPRINGER, ELSEVIER, ASME, ACM, ASCE, ISC, will get 50 % Registration fee & 100% TA (Second class railway fare).
- For presenting research papers in e- Conferences, organized by above mentioned bodies will get full registration fees (Early bird registration only).
- Students getting first 3 ranks in the Paper / Poster presentation competition in the above mentioned institutes will get 100% registration fees.
- Incentive marks will be given to the students for publishing papers.
- Collaborative UG/PG project with institutes of National repute or National Research Institutions will be supported by the Institute. This includes to & fro 2nd class railway fare (Application will be forwarded through HoD).

  2.1 Students R&D Cell
  - Students R&D cell will be constituted.
  - Students coordinators (1-2, actively engage in R&D activities) from every department will be members in the cell
  - Students R&D cell will be responsible to create R&D awareness among students .

3. Plagiarism Checking

- Plagiarism software 'OURIGINAL' is available in the institute library.

- It is mandatory to check plagiarism for every Conference & Journal publication of students (UG/PG/Research Scholar) UG / PG / Ph.D thesis, Patent & Copyright contents, and mini project report.

- Plagiarism content other than references should not be more than 20%.

4. Best Project Award for Final Year Students

- Best three students' projects (for department with 60 intake) and best six students' projects (for department with 120 intake) will be given financial assistance of Rs. 5,000 to 10,000.

- This funding is available exclusively for final year students' projects.

- Best projects for funding must be reviewed by a team of external experts selected by R & D Cell.

- Each student and his batch should be mentored /guided by one of the faculty from their respective departments.

- It is mandatory for all students who are claiming for best project award to publish at least one paper in reputed conferences / peer reviewed journals / patent.

- The evaluation of award will be based on following Standard Operating Procedure (SOP)

Standard Operating Procedure (SOP) for Evaluation of Department wise Best Project Award:

- Only those project groups will be considered which fall into following categories:
  - ➢ Working Model developed by the project group & available in the department / college / industry   (in case of industry based project).

  OR

  - ➢ Working Software module development (using programming tools like Python, C, C++ or any) and CAE / CFD Analysis based projects.

- An expert committee appointed by R & D Cell will evaluate the projects. The committee shall consist of following members:

  (i) External Expert Evaluator from Academics.

  (ii) Expert Evaluator from Industry.

  (iii) R & D Coordinator / Co-coordinator.

  (iv) Project Coordinator (for coordination only)

- Project groups have to prepare cost report of project along with proofs.

Best Project Award Evaluation Sheet:

Project Group No.	Workability of working Model (5 Marks)	Publication / Patent/ Copyright/ Award (5 Marks)	Social/ Environmental/ Start-up Impact (5 Marks)	Industry supported /sponsored (5 Marks)	Interdisciplinary Approach (5 Marks)	Innovation (Idea/ Process/ implementation (5 Marks)	Total (30 Marks)

5. Books/Book Chapters

Student contributing as a single author to a book or book chapter will be entitled to following incentive amount. If there is more than 1 author (from the same or other Institute) then the incentive amount will be shared proportionately.

Book/Book Chapter	Incentive Amount
Book-International Publisher (like Pearson ,RELX, Thomson Reuters, Penguin Random House, Macmillan Publishers, McGraw-Hill Education, PHI, IEEE)	Rs. 15,000/-
Book-International Publisher	Rs. 10,000/-
Book-National Publisher	Rs. 5000/-
Book Chapters International Publisher Single Author	Rs. 2000/- per chapter to Rs. 6,000/- maximum
Book Chapters- National Publisher Single Author	Rs. 1000/- per chapter to Rs. 3,000/- maximum
Book Chapters through Conference Single Author	Rs. 1000/- per chapter to Rs. 5,000/- maximum

6. Patents, Copyrights

Students can apply and obtain patents for their contribution in the form of a product, innovation, technology, etc. from National and International agencies.

- All the patent applications have to be processed through R & D Cell.
- The applicant should be, "St. Vincent Pallotti College of Engineering & Technology, Nagpur" (Don't use short forms).

- An incentive of Rs.10, 000/- will be paid to students on award of/grant of patent (to be shared equally if more than one members involved).
- Annual maintenance fee for 10 years from the grant of patent will be paid by the Institute. If patent is converted into product development leading to funding / consultancy for the Institute, complete annual maintenance fee for 20 years will be paid by the Institute.
- Student will be eligible to get financial assistance copyright .

7. Policy of Funding for SAE / E-Vehicle / Formula etc.

a. Policy for BAJA SAEINDIA (BSI) or mBAJA Enduro Student India (ESI), Formula Bharat, Formula Bharat (Electric) or eBAJA
The institute provides financial assistance as:

- 30% of overall Cost (60% in case of e-BAJA) will be funded by the institute.
- Additional 10% cost will be allotted if team positions itself in top 10 ranks.
- Additional 5% will be given if team positions itself in top 3 ranks.
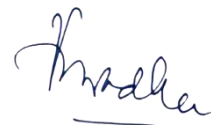
b. Other mandatory guidelines
* Procurement will be in the name of college only.
** College contribution will be decided on the basis of an estimated cost report that the team would submit as soon as they qualify for any of the above-mentioned events.
*** (i) Electric vehicle development project is initiated by the college. For initial years college will support the finances as per the above mentioned share to avoid financial hiccups in the vehicle development.
(ii) Overall Cost of electric vehicle fabrication is 20-30% more than the ATV or formula vehicle.

Director   **Principal**