

Gayatri Vidya Parishad College of Engineering (Autonomous)

Madhurawada, Visakhapatnam - 530 048

Andhra Pradesh, India

Telephone No.: 91-891-2739507 Fax: 91-891-2739605

E-Mail : gvpce@yahoo.com (or) principal@gvpce.ac.in

Research & Development Policy

Document #	GVPCE/ <u>R&D</u>
Revision #	01
Date of Issue:	March 4 th , 2018

Preamble

The realm of research and innovation of Gayatri Vidya Parishad College of Engineering (GVPCE) remains the pillar around which the process of teaching and learning revolves. The institute has flourished in various facets of Academics and Research by achieving the pinnacle of success. GVPCE aims to create and support a research culture for developing and promoting scientific temper and research aptitudes among its faculty and students. The research and IPR policy provide a higher edge to the existing stage of research & excellence. It also ensures that the research activities of the institute conform to all applicable rules and regulations as well as to the established standards and norms relating to safe & ethical conduct of research.

Objectives of the Research Policy

- To provide the required research infrastructure and seed money to enhance R&D activities for promoting research & innovation.
- Creating a research fund for facilitating and supporting research initiatives and projects of faculty members and students. The institute allocates a separate budget to promote research at the department level.
- Establishing procedures and guidelines for granting research support in terms of approving academic leave, duty leave, sabbatical leave, reduction in workload, etc. for faculty members undertaking research activities.
- To motivate faculty and students for scholarly article publication in refereed journals, filling of patents, and extending the innovative and original applications of technology to relevant industries.
- Identifying & mentoring aspiring researchers about the suitable research opportunities announced by different premier academic institutions, research laboratories, industry, and various government funding organizations.



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- Encouraging interdisciplinary research and establishing procedures for preparing and undertaking joint research projects for possible acceptance by the funding agencies.
- Establishing a framework that facilitates researchers in acquiring consultancy for research projects while concurrently holding researchers accountable for the effective execution of the consultancy work.
- Identifying and establishing linkages via MoUs for long-term relationships with IITs, NITs, Hospitals, IT companies, Industries, and foreign Universities for widening the scope of research opportunities and funding options available to the faculty and students.
- To encourage and support financial grants and paid academic/duty leaves for the presentation of the research work as well as their findings and recommendations through various academic events such as workshops/seminars/guest lectures etc.
- To strictly adhere to the applicable guidelines and standards of research ethics while researching to create a good ambiance for research in the institute.

Promotion of Research

The faculty and students are free to choose their area of research according to their expertise and may submit the grant proposal for funding to the required funding organization. However, the institute has the mechanism to review the sanctity of the research findings and suggest pragmatic feedback to improve the quality of research outcomes and pace forward without discrimination. The research process should follow the rules of the institutional ethics committee without hampering other's credibility.

GVPCE shall provide research incentives to faculty intended to enhance the activities of research in terms of completion of grant proposals & consultancy works, indexed journal publication, patent filing, Books & Book Chapters publication, award of Ph.Ds, etc.



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- The R&D committee was established to ensure the quality of research outcomes with members as follows:
 - Principal (Chairman)
 - Dean (R&D) (Convenor)
 - Head(s) of the concerned Department(s)
 - Research Coordinator(s) of the concerned department(s)

Responsibilities of R&D Committee:

The primary goal of the R&D committee is to monitor and review the outcome of the research at the institute level for continuous growth of faculty and institute simultaneously.

- To ensure suitable research facilities for the implementation of research work.
- To encourage the faculty members to pursue their research in the thrust and emerging area matching the societal needs enabling them to tap research grants with higher probabilities.
- To create awareness and inculcate the research attitude among the minds of aspiring researchers by inviting Experts from premier institutes, Scientists from R&D organizations and funding organizations to leverage research output.
- Disbursement of institute research funds to identified researchers both individually and in groups, seeding grants to beginners, and research initiatives across the departments.
- Monitoring the usage of research funds received from funding organizations to ensure the proper utilization of funds.
- To nurture the development of multidisciplinary cutting-edge research across faculty members in the institute.
- To monitor the R&D performance of individuals and groups to encourage excellence and productivity by maintaining a database of research activities.
- To ensure the research findings meet the standards of institutional research ethics.
- To formulate incentive schemes for promoting and enhancing the research activities among faculty and students.



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Policy to Check Academic Malpractices and Plagiarism:

To check the originality of the research, work the following steps shall be undertaken:

- The content of the proposed article shall be verified for plagiarism using Turnitin software before stepping into further steps to avoid rejection from journals and funding organizations.
- The researchers have to ensure that the Overall Similarity Index (OSI) is under 20% for research publications and 30% for Postgraduate thesis submissions with the Individual Source Similarity Index (ISI) must lie below 5% for all sources. Violation of any of these conditions may lead to the cancellation of the articles/thesis/grant proposal etc.

Code of Ethics for Research

All the students, faculty members, and concerned authorities must abide by the following code of ethics and conduct:

- All the research works must be competent enough and conducted following the principles and guidelines of the concerned authorities.
- The research findings must be novel in all aspects, to get published in reputed journal publications and other related activities.
- The research findings obtained from the research must be justified and errorless in terms of originality.
- Refrain from misleading affirmations or derivations which may lead to confusion.
- Any content or pieces of information must not be plagiarized.
- It is obligatory to give proper acknowledgments and citations to the peer groups.



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Research Initiatives for Faculty:

The following initiatives have been undertaken to motivate the faculty members enabling to increase in the number of aspiring researchers to involve in the research activities are as follows:

- Encouraging faculty to organize and participate in national conferences/workshops / FDP by extending financial support along with academic and duty leave to update the faculty's knowledge of the latest research methods and simulation tools.
- Supporting with matching grants to the convener / program chair of the conferences / workshops / FDP / STTP if the grant received from various funded organizations is not adequate to meet the expenditure of the organized event.
- Contributing financial support to faculty members for attending conferences / symposiums / workshops by providing registration, travel and accommodation charges enabling the faculty to enhance the academic / research network.
- Following a well-defined research incentive policy for rewarding its faculty for indexed journals / Books / Book Chapters / Monographs publications.
- Offering lucrative cash incentives to its faculty upon award of a Ph.D., granting of the patent, successful completion of funded projects along modernization of the laboratories.
- Granting three months paid leave to its faculty for writing & submitting his / her Ph.D. thesis. Upon award of the Ph.D. degree, the faculty salary shall be revised as per the institute norms.
- Sponsoring faculty with full financial support to pursue his / her Ph.D. in premier institutes under the Quality Improvement Program (QIP).
- Encouraging faculty to carry out the consultancy work and upon successful completion of the consultancy work the concerned faculty shall be rewarded with suitable financial benefit.
- Encouraging faculty to apply for external funding. Supporting with full financial assistance to the Principal Investigator for presentation before the PAC committee.



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- Providing seed grants to the faculty members for initiating research.
- Payment of the total expenditure incurred while filling national / internal patents for faculty.
- Granting seed money facilitating procurement of state-of-the-art facilities (both hardware and software) to carry out research in emerging/thrust research areas.
- Subscription to online scholarly journals for promoting research and academic learning.

Research Initiative for students:

- Students of the institute are always encouraged to present their research works at conferences, workshops, and other hardware platforms.
- The UG & PG students are encouraged to pursue their final year projects / thesis under externally funded projects and incubation centers as well.
- Payment of the total expenditure incurred while filling national / internal patents for students.



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Research incentives for the faculty under different heads:

S.No	Activity	Cash Incentive (Rs)
1.	Research guidance leading to Ph.D. award	10,000
2.	Grant of Patent	15,000
3.	Authoring Books through reputed publishers: Full text book through reputed International publishers Full text book through reputed National publishers Chapter of a book/Monograph	10,000 5,000 3,000
4.	Publications in reputed National/International Journals: SCI Scopus UGC	7500 4000 2000
5.	Research Projects through external funding	2% of the grant from the Institutional resource after successful completion
6.	Modernization of Lab facilities through external funding	2% of the grant from the Institutional resource after successful completion
7.	Registration fee, Travel, etc. for attending Conferences/ Workshops/ FDP etc. (Maximum two per person per Year)	10,000 Per program(Max.)
8.	Deputation of faculty for Ph.D. under QIP	
9.	Three months leave with pay for Ph.D. thesis writing leading to its submission	



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