



**GALGOTIAS
UNIVERSITY**
— Uttar Pradesh —
CREATING KNOWLEDGE

Research Policy
2019 Onwards



Galgotias University

Plot No. 2, Yamuna Expressway,
Opposite, Buddha International Circuit,
Sector 17A, Greater Noida,
Uttar Pradesh 203201, India

Table of Content

S.No	Description	Page No
1.	Preamble	3
2.	Objectives	3
3.	Code of Conduct	3
4.	Promotion of Research	6
5.	Identification of Thrust Area	6
6.	Research at UG and PG Level	7
7.	Ph.D Programme	7
8.	Minor Research Project	7
9.	Major Research Project	8
10.	Collaborative Research Project 1) Industry Sponsored Research Project 2) Interdisciplinary Project	8
11.	Collaborative International Research	9
12.	Training for Research and Publications	9
13.	Publication of Paper and Journals	9
14.	Patent and IPR	9
15.	Funded Projects	10
16.	Consultancy Projects	10
17.	Center of Excellence	11
18.	Motivators for Outstanding Research	11
19.	Establishment of Research Chairs	12
20.	Establishment of Dean Research	12
21.	Policy to Check Academic Malpractices and Plagiarism	12
22.	Code of Ethics for Research	13
23.	Process followed in Ph.D Programme to Maintain Ethical Standard	13
24.	Review of the Policy	14



1. Preamble

Galgotias University intends to support research culture and upgrade advancement remainder in the University by advancing Research and improvement in the boondocks zones of Science, Engineering and Humanities. It additionally supports the Undergraduate, Postgraduate and Doctoral up-and-comers and resources to embrace the examination in recently arising wilderness regions of Engineering and Non-Engineering including multidisciplinary fields.

2. Objectives

This Policy provides a broad framework to guide research and integrity of scholarly inquiry at the University. The Objective of policy are as follow:

- To promote research, innovation and intellectual property,
- To ensure integrity, quality and ethics in research, and excellent research culture
- To integrate teaching and research in interdisciplinary/multidisciplinary collaborations
- To publish paper in high indexed journals to file Patent and exchange the technology to industries and other academics
- Promote industry and collaboration involving active and mutually beneficial R&D Projects
- To Ensure integrity quality and ethics in Research
- To incentive the generation of intellectual capital

3. Code of conduct:

- The targets shall be set for each year for the university and hence subsequently set for the schools and every individual faculty. The portal/platform shall be developed to monitor the research progress of each and every faculty in the campus and if improvements are not found within ending respective quarters then warning letters shall be issued. Receiving such three letters the staff may be subject to administrative action
- The annual targets shall be decided for each school which shall be further divided into semester wise and which shall be monitored every month.
- Faculty will be categorized into Research/Teaching faculty taking into account their three-year research contribution and the targets achieved.
- Each professor of the university shall publish at least three SCI/SCOPUS Indexed journal papers per semester.
- Each Associate Professor/ assistant Professor of the university shall publish at least two SCI/SCOPUS Indexed journal papers per semester.
- In addition to the above the faculty shall publish 3 number of short papers/conference papers/editorials/ monographs/book chapters which are indexed in Scopus /WoS
- If faculty shall publish any paper/file any patent / apply for any award/apply for any research fund /consultancy without any GU affiliation or without appropriate channel of the university while in service shall be treated as violation of code of conduct and liable for administrative action.



- If its joint paper along with other faculty of the GU then the weightage shall be 0.5 and if three faculties shall write the publication then weightage shall be either alone or with one more researcher. Publication with four faculties is not acceptable.
- All faculties to ensure that if they are guiding UG students, then 100% UG student's projects under each faculty should lead to Publications / Patent / Product as per **Appendix 1.1.**
- All faculties should ensure that if they are guiding PG students, then 100% PG student's projects shall lead to one publications / case studies as an outcome of their PG project.
- Every Professor must bring one consultancy worth 1 lakh per year
- Every Professor and Associate Professor and Dean and Associate Dean of the school shall have active Consultancy Projects worth a total fund amount of Rs.10 Lakhs per school per semester etc. (for a school wherein total faculties are under 25 and for higher faculty members it shall be 30 Lacs)
- All faculties of the department must be involved in at least one consultancy project/ Corporate training
- Every school shall establish at least one Center of Excellence which is of interdisciplinary nature involving minimum 2 Industries and 1 International organization and few Ph.D. students and PG and UG students leading to minimum 4 publications per year one start-up and 2 consultancy assignments and one grant.
- Each Ph.D. supervisor along with his/her Ph.D. student must apply for funding every year
- Every faculty not having a Ph.D. degree shall identify the area and supervisor within 3 months of release of this document and register within 3 months of release of this mandate for Ph.D. either in GU or outside GU.
- Every faculty having Ph.D. degree shall guide at least four Ph.D. scholars and 50% must be of GU.
- Every Professor and Associate professor shall organize two STTP/FDP of minimum along 2 weeks per year with external Government/ Non-Government funding and create one lakh revenue as per the format shown in **Appendix 1.7.**
- Every Faculty must be a resource person for a minimum of two STTP/ FDP/ MDP preferably outside GU.
- Minimum 10 International researchers should be involved in active research for schools having more than 1000 students and all engineering schools.
- Four journals (Medical / Business/ Legal / Engineering Sciences) should be started having two/three schools taking collective lead. Every issue shall not have more than 10 papers and out of which maximum 5 papers from GU and 2 must be from outside India.
- Efforts to be taken to make GU journals Scopus indexed.
- Every professor and Associate Professor and all doctorate faculties of GU must apply for funding not less than 10 lacs every year.
- One active funding project for each divisional research group exceeding a total fund amount of Rs. 50 Lakhs per school per semester,



- New research programs like Integrated Ph.D. degree and Post-Doc fellowship needs to be introduced immediately.
- All teaching faculty should complete/ register Ph.D by 2021.
- Every faculty having Ph.D. degree shall guide at least one Ph.D. scholar.
- Every school shall identify minimum 5 experts from international and 5 at National level not below professor and 5 industries CTO/CEO/MD and having experience 10 years in the same field with same caliber as expert bank which shall be approved by UCRD and whose expertise shall be availed for Ph.D./ setting up guidelines, project evaluation/ PG and Ph.D. examination, mentoring for Center of Excellence
- Dean of the school shall be answerable to partial or full non-achievement of targets set for a semester and year over all schools.
- Faculty shall be answerable to partial or full non-achievement of targets of refereed peer reviewed journal publications patents, Funded projects, conference paper publications, and book chapters/ books.
- The eligible supervisors shall be answerable to partial or full non-achievement of targets set for Ph.D. Guidance completion per year and on-going Ph.D. guidance.
- Major research in the university shall be undertaken by the divisional research as defined in the lateral part of the document.
- Research funds from funding agencies shall be utilized for the purpose for which it is being released in the stipulated time.
- Each research grant fund shall be maintained in a separate account until the completion of the project by the Dean/SRC/URC.
 - One copy of applied fund must be submitted to UCRD and VC office
 - Each Ph.D. supervisor along with his/her Ph.D. student must apply for funding every year
 - The URC shall strictly monitor the activities and progress of the funded project. Any malpractice or unsatisfactory activities shall be dealt seriously with by URC.
- The Dean-Research/URC shall publish the policy for academic integrity and the code of academic integrity shall be available on university website
- No paper in the University shall be published until checked for plagiarism and after having 90% unique contents only it shall be sent for publication.
- Every project report at all level (UG / PG / Ph.D.), every internship report, every book, book chapter, patent draft, every assignment, presentation, research papers, monographs, design must be checked through i-authenticate
- Every school shall establish at least one Center of Excellence which is of interdisciplinary nature.
 - Each Centre of Excellence of the university must apply for funding and shall result in spiraling out one or more UG, PG and Ph.Ds.
 - It must involve minimum 2 industries and 1 international organization and few Ph.D. students and PG and UG students leading to minimum 4 publications per year one starts up and 2 consultancy assignments and one grant.
- The Dean/SRC shall sign at least five MoU for collaborative activities for research and faculty exchange for teaching and research, with other elite institutions within the



country or abroad and execute the required activities as according to the MoU, every semester as per the format shown in **Appendix 1.8**.

- Research Methodology workshop must be conducted for every undergraduate program of minimum of 3 credits as per annexure A
 - It shall include patent drafting, research paper drafting and literature review as key components of a minimum of 40 hours.
 - The ETE shall be in terms of research proposal or research paper.
 - Target should be for projects and exams should reflect the Scopus papers, book chapters and patents per year as papers are output and for the output to be there shall be a process which is in terms of project.
 - Every year there shall be an internship/ project. Internships through NGO may lead to good projects and data which can be compiled in terms of paper.
- Dean shall ensure that all faculty members are members of one or more Professional bodies of National/ International repute.

4. Promotion of Research

University accept that scientist allowed to pick the subject for their examination to look for sport from any subsidizing hotspots for their exploration work and to report their discoveries and end

The University will establish helpful climate for research. Because of restricted assets, the University may not help completely all examination liable to be embraced, however it will assign the space, offices, incomplete subsidizing, and different assets for research programs dependent on the academic and instructive benefits of the proposed research. It will likewise give improvement occasions to scientists to composing research proposition and reports, distributions, patent documenting, and so on.

5. Identification of Thrust Area

- i) Although the researchers have the freedom to choose their own topics of research, it is highly desirable to make research socially relevant.
- ii) The University expects the different institutes and departments to prepare a list of research topics, with a view to be focussed in their efforts.
- iii) Under each discipline and department, there shall be an exhaustive list of such topics or areas, which can be called a bank of research areas.
- iv) It shall be utilised for the following research activities and it appreciated if the topics is chosen from this Bank:
 - i) The Bank can be made available to the research scholars who may use it for their doctoral thesis.
 - ii) Similarly, the faculty shall also avail the Bank for identifying the subject for their research projects.
 - iii) Even for industry sponsored projects or for collaboration with other institutions, the Bank shall be utilised.



6. Research at UG and PG Level

Educating and exploration are similarly significant in a college. On the foundation of the University, it was believed that to advance imagination among the undergrad and postgraduate understudies, some examination part in the educational plans might be added.

In the pre last year of the lone wolves program the Minor Research Project and Major Research Project are enlisted where the understudies under the direction of the workforce chip away at the chose top of the exposition and present the discoveries occasionally. The last undertaking is submitted to the foundation and furthermore the viva is led.

Similarly, in the postgraduate program, research was underlined earnestly and understudies were prepared for powerful examination aptitudes.

The University will additionally strengthen research preparing in undergrad, and postgraduate projects.

7. Ph.D Programme

- Students are urged to submit research proposition to outside subsidizing organizations on the subject of their exploration alongside direct.
- Financial help will be accommodated trial work, acquisition of books/hardware's and distributing the examination papers in diaries and meetings.
- Students are needed to submit six month to month progress reports and tentative arrangement of work.
- Students will be shipped off IITs/NITs for their insight up-degree.
- Patent mindfulness program is consistently orchestrated
- Plagiarism check for postulation/research paper before accommodation.
- Before accommodation of the last thesis, understudies are needed to distribute two papers in rumoured global diary recorded in Scopus/SCI

The University will additionally support doctoral examination. It will likewise perceive the commendable R&D associations for doctoral exploration and fabricate spans with them. The University will keep on empowering workforce and examination researchers to get financing for going to International meetings from outer organizations with the goal that the quality in exploration paper can be kept up. It will ask research researchers to distribute and patent their examination work.

8. Minor Project

Galgotias University imagines a responsive part with a dream to advance for UG 2/3 rd Year Students scholarly commitments through scholastic examination in all the utilitarian regions. In its undertaking to advance scholarly research and distribution, Galgotias urges its employees to tutoring the understudies to embrace different examination tasks that can affect the general public, business and different partners. This examination task has its attention on



wide running subjects identified with the economy, society, industry, Government organizations and so on as Minor exploration activities and Minor Research Projects (MRPs). The exploration tasks attempted by the individuals from the workforce are required to be insightful, as in they depend on commonly acknowledged examination standards, approved by peers and are spread to the suitable crowd. Understudies are additionally expected to start development all through their exploration task, and to guarantee that the examination yield adds to hypothesis, work on learning measure.

9. Major Project

The significant Project ventures executed by employees and UG-Final Year Students/PG Students of Galgotias University in different space regions in administration, for example, money and financial matters, showcasing, human asset the executives, activities the board, Information Systems, business investigation, general administration, and other scholastic trains, for example, social work, PC sciences, library science, trade and brain research are required to enhance the current collection of information, subsequently adding to the general public on the loose. The exploration financing activities of Galgotias University plan to encourage its employees to do unadulterated and applied examination in sociologies and work together with scholastic and examination establishments of public and worldwide notoriety. This arrangement gives the rules to employees and UG/PG understudies who wish to embrace the Faculty and understudy Research Program under significant Research Projects.

10. Collaborative Research Project

The University-Industry Interaction is the interest of the day. In the event that we need to add to the general public everywhere, the University needs to intently work with businesses and various associations. For that, the University will design the accompanying exercises:

10.1 Industry Sponsored Research Project: An association can support an undertaking and the specialists of the establishment concerned can lead research on this task for which the monetary help will come from the association. Accordingly, on the off chance that any patent is enlisted, at that point there will be a sharing of pay emerging from the patent among the business, analyst and University.

This will prompt three sorts of advantage:

- The specialist will get presentations to the concerned region of examination;
- The business will get answers for its concern; and, The specialist, University and Industry can bring in cash and toward the end, the general public eventually will profit.

10.2 Interdisciplinary Research: The interdisciplinary examination is an absolute necessity these days. No division, foundation, specialist or a researcher can address an examination issue in which more than one order is included and except if they get together and direct interdisciplinary exploration no productive discoveries can be shown up at. In this manner, the University has chosen to have practice in interdisciplinary examination exercises for which the accompanying advances will be taken:



Identify the interdisciplinary territory.

- Identify the various specialists from concerned orders who can cooperate.
- Study the necessity of the foundation to lead the concerned interdisciplinary exploration.
- Explore conceivable outcomes to discover assets for such interdisciplinary examination.

11. Collaborative International Research

Collaborative international research is essential to facilitate mutual learning and expertise sharing. The University plans to have the MoUs with prominent research institutions abroad, for conducting research jointly in the areas of common interest. For this purpose, a Task Force shall be constituted that will constantly explore the possibilities of having such collaborative or joint research in terms of thrust areas, decide the modus operandi of conducting such research and attend to other relevant aspects.

12. Training for Research and Publications

For the most part, workforce are anxious to lead research, but since of the absence of aptitude to compose an examination proposition or having deficient exploration abilities, they can't channelize their endeavours viably. Thus, much of the time, an examination proposition is dismissed by a financing organization. In any event, supposed to be available for the public of papers due to the absence of information about how to compose a paper and under which design it should be submitted, here and there the papers are not acknowledged. Accordingly, the University will coordinate thorough preparing programs for scientists in the distinguished zones.

13. Publication of Paper and Journals

Distribution of papers is basic for the adequacy of the University. Staff must distribute persistently in quality diaries. In this way, the University intends to energize the distribution of papers by the staff with a focused on point. An employee will be relied upon to distribute a specific number of exploration papers in refereed diaries at public and worldwide levels. These diaries will be recognized by separate foundations.

Examination papers to be distributed in recognized diaries and to be introduced at public and worldwide gatherings will be investigated and guided by a panel of senior educators.

Every foundation will be urged to distribute a quality diary and put together exploration meeting, now and again to support research exercises in the Institute and to add to the current assemblage of information.

14. Patent and IPR

The University might want to fortify the examination, prompting documenting of licenses for which the rule is now accessible. On the off chance that any development is done,



the University will empower the scientists and researchers to patent it. Nonetheless, when a researcher documents for a patent, an exhaustive investigation will be done.

The University likewise bears all consumption for recording application for patent. On the off chance that the patent is popularized the sharing of acquiring is to be done among analyst and the University according to the rule created now and again.

The University will make mindfulness about licensed innovation rights among staff, analysts and researchers every once in a while.

15. Funded Project

- Every year the Dean/SRC shall have target of submitting funding proposals worth for minimum 2 Cr every year and minimum 1 Cr every semester.
- The Dean/SRC shall have at least one active funding project for each divisional group exceeding a total fund amount of Rs. 30 Lakhs per school per year and Rs. 20 Lakhs per year through inter-disciplinary research projects.
- The Dean-Research and UCRD shall have at least one active funding project for each strategic research group exceeding a total amount of Rs. 150 Lakhs per semester.
- The Dean/SRC of each school shall prepare, maintain and update the list of funding agencies relevant to the school to which no funding proposals had been sent, the list of funding agencies to which funding proposals had been sent but not yet approved, and the list of funding agencies from which active funding projects are being carried out.
- The faculty members of the group which brings a funded research grant of not less than Rs. 10 Lakhs shall be given an incentive of a lump sum of 2.5% of sanctioned fund at the beginning and 2.5% of sanctioned fund at the completion of project by GU

16. Consultancy Project

Develop and establish consultancy policy for

- The Dean/SRC shall make a list of all potential industries for consultancy and submit to the Dean-Research/URC at the beginning of academic year. All core industries of the school shall be included in the list.
- The dean of the school must visit all industries related his school in the NCR every year in the beginning of the financial year - April and explore possibilities of collaborations and consultancy / corporate turning opportunities available.
- The Chairs of the strategic research group shall list all potential industries of interdisciplinary nature for consultancy and submit to Dean-Research/URC at the beginning of the academic year.
- The Dean/SRC shall ensure that all professors and associate professors should have active consultancy projects with industries exceeding a total amount of Rs. 20 Lakhs per semester.



- The Dean-Research/URC shall ensure that at least one active consultancy project per strategic research group is being carried out with industries exceeding a total amount of Rs. 30 Lakhs per semester.
- The faculty member(s) having consultancy grant of not less than Rs. 2 Lakhs, shall be given an incentive of as according to the consultancy policy of GU.
- The school shall support the faculty doing consultancy by providing on-duty leave when the faculty is required to go to the industry to provide consultancy, on prior permission from Dean/SRC/URC. It is expected that the concerned faculty must submit photo and MoM of the meeting after visiting concerned industry same day and ATR within next 7 days
- Encouraging the faculty to utilize their expertise for consultancy services.

17. Centres of Excellence

The University might want to establish a climate for each school where they work in a particular examination region and be known as an expert association. This will conduce to zero in on explicit examination exercises in the particular zones. Through these endeavors, the University will advance a specific school as the Center of Excellence at the appointed time for a particular push territory.

A centres of excellence using an industrial laboratory refers to a team and a shared facility that provides leadership, best practices, research, support and training for a focus area of research and development with advanced technologies provided by industry. This shall bring together faculty members from different disciplines, fast learner students and technical experts from industry and provide shared facilities. It should engage in capacity building for the enhancement of training, research and development. The CoE using industrial laboratories should focus on new and emerging technologies, should be multidisciplinary and should aim in developing technological skills of students for industry and creating entrepreneurship skills of students.

The university must identify the professors who can take up responsibility to establish the CoE in the one of the cutting age technologies. The preference shall there shall be two In charges and both from different domains and disciplines.

18. Motivators for Outstanding Research

The University should stimulate quality investigation in different push areas. Therefore, wonderful investigation responsibilities done by staff, subject matter expert, and assessment scientist will be seen. Thus, the University will set up an arrangement for offering inspiration to researchers and analysts. The persuading powers are perceived as under:

- Incentive regarding cash
- Incentive as far as grants/prizes
- Incentive regarding authentication or giving more weightage for the professional success conspire, and etc..

At the beginning of every year research awards will be distributed for all the faculties and students. The award will give after the details being collected from the Research



coordinators of each school. The awards will be based on the incentive policy defined by the UCRD team approved by Vice Chancellor and endorsed by the Hon Chancellor. During December of every year, reports of publications (Journals, Conference, Patent, Chapter, and book), Citation, Resource Person, FDP-Organizes, International Conferences, PhD Awarded under the supervision of faculty will be collected for the particular year and during January of next year awards will be given

19. Establishment of Research Chairs

- Galgotias University energizes the foundation of Chairs, Professorships and Lectureships/Fellowships which identify with its examination order and distinguished exploration topics.
- An interdisciplinary and applied extension is normal.
- The holder of a Chair or Professorship ordinarily holds a scholarly arrangement and accordingly is relied upon to meet scholastic recruiting models for such scholastic arrangement.
- The holder of a Chair, Professorship or Lectureships/Fellowships is required to have shown greatness in a field of interest through instructing, examination and grant. The holder will propel that field of interest inside the college through their arrangement and tutor and give authority in the region as suitable.
- All Chair, Professorship or Lectureships/Fellowship arrangements typically will, in the principal example, be term explicit according to the provisions of the GU Collective Agreement.
- Funding will be adequate to accommodate the expenses of the Chair, Professorship or Lectureships/Fellowships. This financing might be made sure about from an advocate or subsidizing office gift, a blessing from the college establishment, interior assets, or a mix of these sources.

20. Establishment of Dean Research

- ◆ Framing of rules for modern Sponsored exploration and consultancy.
- ◆ Create and keep up information base with respect to personnel skill.
- ◆ Facilitate workforce in obtaining types of gear important to direct research or consultancy work, enlistment of venture staff.
- ◆ Coordinate co-curricular exercises (specialized celebrations, tests, and so forth) for the understudies.
- ◆ Providing direction for submitting recommendations to financing organizations.
- ◆ Formulating strategies for the direct of exploration and steps to keep up reasonable guidelines by executing the Board of Governors or Senate choice.

21. Policy to Check Academic Malpractices and Plagiarism

- It is necessary to endeavour composition work identifying with live mechanical issues/cutting edge developments.
- They are expected to imply least 5 journal/trade papers for closing the subject for theory.



- Monthly progress courses are directed to overview the work.
- External experts are being required the evaluation of the idea of the work during the year and at the hour of subject assurance.
- Before convenience of the last composition, understudies are expected to disseminate one review and one execution paper in supposed overall gathering/journal recorded in Scopus/SCI.
- The PG understudies venture thesis needs to have the accompanying before the record.
- Details of the gathering/Journal/Special call for papers
 - I. The acknowledged paper
 - II. The acknowledgment letters
 - III. Plagiarism Report
- Above underpins appropriate for the meeting recorded in annexure 1 and 2 in particular
- 100% monetary help for building up the trial arrangements for the paper work.

Plagiarism check for theory/research paper before accommodation

22. Code of Ethics for Research

This Code of Ethics in Research presents general standards of moral direct to manage researchers toward the most noteworthy beliefs of insightful examination. The standards speak to optimistic objectives and depict enforceable principles that should guide analysts to a moral game-plan.

The Code of Ethics in Research applies to all individuals from the Galgotias University people group. Consequently, the standards are expressed extensively to apply to researchers in different orders utilizing different strategies for request, and their particular application may shift contingent upon the setting of the scientist.

Exploration morals gives rules to the capable direct of examination. Also, it instructs and screens researchers directing exploration to guarantee a high moral norm. Coming up next is an overall outline of some moral standards:

23. Process followed in Ph.D Programme to Maintain Ethical Standard

The Dean of each school shall be responsible for managing the research activities in collaboration with Division Chairs and School Research Committee (SRC) which comprises at most 10 members with Ph.D. with proven research accomplishments including Dean.

The Committee

Total number of members to be restricted to 10.

- ♦ Dean of the School (Chairman)
- ♦ Professor and Associate Professors (maximum of *four members* to be chosen from various domains of research areas including Ph.D coordinator of the School) to be nominated by Dean and approved by VC
- ♦ *All members must have Ph. D. Degree*



Roles and Responsibilities

- To organize and oversee the progress of research activities to take steps to enhance the research capability of the school.
 - i. By motivating the faculty and research scholars towards research activities
 - ii. By enabling them to understand about research opportunities and its relevance in teaching and university activities.
- To monitor and review the research activity in ensuring ethics, benchmarking the quality of research activity and its impact to promote excellence and development of research within the school.
- To organize advanced research training to promote interdisciplinary research and collaborate with reputed national and international research institutions and labs
- To maintain all data related to school and update time to time in the central database every Saturday without fail
- To submit an annual report on research activity of the school to Dean Research & UCRD

24. Review of the Policy

The policy may be reviewed as per suggestion of RAB/Society/ Stakeholders

