



Ahmednagar Jilha Maratha Vidya Prasarak Samaj's
NEW ARTS, COMMERCE AND SCIENCE COLLEGE
PARNER – 414 302
Dist.-Ahmednagar (MS), India

RESEARCH

Policy and Procedures



Policy on Research and Funding

1. Introduction

New Arts, Commerce and Science College, Parner, a premier institute established in 1977 by Ahmednagar Jilha Maratha Vidya Prasarak Samaj, Ahmednagar, caters the diversified needs of higher education of the wards of farmers and deprived masses of the society belonging to the Parner tehsil in the form of programmes in Arts, Commerce and Sciences. College aims to be an institution for providing education and research opportunities to the students and teachers. HEI recognizes the role and importance of research activity in creation and assimilation of knowledge and imparting enthusiasm to the teaching-learning process.

The College has developed perspective plan for 2017-22 with an emphasis on research activities. To enhance the research activities, the policy and procedures are designed by IQAC in tune with the vision and mission statement of HEI.

2. Objectives

HEI will engage in research activities to inculcate and nurture the research ambience in order:

1. To identify research areas and promote research in different disciplines that is relevant to the society.
2. To motivate and encourage faculties and students for quality research culture.
3. To enhance existing research areas and develop expertise in emerging fields.
4. To facilitate multidisciplinary research.
5. To provide and strengthen research facilities to scholars with the support of funding agencies.
6. To establish linkages, collaborations and sign MoUs with renown research organizations.
7. To ensure integrity, quality and Code of ethics in research.
8. To explore research from Laboratory to Land in the form innovations.

3. Strategies

In order to strengthen research culture, the proposed activities are:

1. Participation of students in short term research projects.
2. To provide seed money to young researchers.
3. To apply for funding to research projects from various funding agencies.
4. To seek recognition to new research centers from SPPU, Pune.
5. To strengthen the existing research centers in terms facilities and enrolments.
6. To provide research training through workshops on research methodology, IPR and research ethics.
7. To provide central instrumentation facilities and consultancy services.
8. Participation of faculties and students in national and international events to present their research outcomes.
9. Organization of national/international conferences to exchange research findings and research ideas.
10. Rewards for quality research in terms of incentives.



4. Guiding Principles

At New Arts, Commerce and Science College, Parner we believe that the research outcomes impact the society, directly or indirectly by supporting the advancement of knowledge, and can be expressed as social, economic, environmental, or cultural benefits. The following guiding principles illustrate efforts of HEI to the quest for research excellence.

1. Teaching-learning and research are basically linked and complementary to each other.
2. Participation of students in research activities provides unique and relevant contextual learning and helps in building research skills.
3. Generate and nurture ideas to pursue research to address the curiosity and solutions to the recent problems.
4. Practicing for innovations in scientific, social and pedagogical areas through the development of new technologies.
5. Inspiration for creativity and inculcation of scientific tempers towards development of the community.
6. Engagement in research supports professional development of faculties which helps in curriculum enrichment.
7. Practicing multidisciplinary research for fruitful learning experiences.

5. Code of Ethics in Research

Research, education and extension are integral parts of any HEI. The reputation of institution depends on quality of research and education. The code of ethics involves the fundamental principles to be followed in research activities, including scientific research and publications. UGC as well as Savitribai Phule Pune University expect ethics followed by institution in their research activities. An accreditation agency like NAAC also has given weightage to quality research undertaken at HEI. To fulfill these New Arts, Commerce and Science College, Parner formulated code of ethics for research. These codes are as follows:

- **Responsibilities of a Research Supervisor:** A research Supervisor or guide must try to assemble an adequate financial and administrative structure to support the research along with the number of research students. A supervisor along with the guidance to individual students should also make them aware of responsibility for the scientific integrity of the research.
- **Data and report:** A supervisor should take all reasonable steps to check the details of experimental procedures and the validity, reproducibility and authenticity of the data or observations reported by research students. The report of research outcome must be based on accuracy of data or observations. If the reported data fails to support the reported conclusions, it will be considered as a breach of research integrity. The data must not be from other sources, it must be based on outcome of original activities of researcher and authentic. [Ref: http://www.unipune.ac.in/uop_files/Report-Guidelines_20-5-15.pdf]
- **Ethical policy of UGC on dissection of animals:** Researcher must follow ethical policy on animal dissection given by UGC.
- **Originality and acknowledgement of sources:** The research work must be original and from research outcome of researchers. If help is taken from other sources, should be acknowledged properly.
- **Duplication of Publication:** Research articles must be published in UGC notified journals. Researchers should not publish the same research outcome in different places/journals. If published very good reason must be given and appropriate citation must be made in the later publication to the earlier one and if required, the editor must be clearly informed.



- **Disclosure and conflicts of interest:** Researchers may use institutional resources and information with prior permission of head of the department or Principal and may not use them for any purpose other than purposes related to teaching, research or service, unless prior permission is obtained.

6. Plagiarism Policy

HEI follow the plagiarism policy decided by UGC and SPPU, Pune. The College research committee brings it to the notice of researchers about these policies. Policy link is as follows:

- 1) https://www.ugc.ac.in/pdfnews/8864815_UGC-Public-Notice-on-Draft-UGC-Regulations,-2017.pdf
- 2) http://unipune.ac.in/administration_files/pdf/Plagiarism_Policy_University_14-5-12.pdf

New Arts, Commerce and Science College, Parner has formed Institutional Academic Integrity Panel (IAIP) and department wise Departmental Academic Integrity Panel (DAIP) in 2018 according to the guidelines mentioned in Savitribai Phule Pune University circular No. 175/2018, UGC notification F. 1-18/2010 (CPPP-II) dated 23/7/2018. These panels have right to check plagiarism and all related issues before submission M. Phil./Ph.D. thesis, publication of research paper, etc.

7. HEI Initiatives for research

The authorities of the parent body: AJMVP Samaj, Ahmednagar, CDC, Principal and IQAC of New Arts, Commerce and Science College, Parner proactively and keenly involved to promote research culture at HEI. College has a research coordination committee which along with the IQAC looks after necessary requirements in terms of space and resources. The committee has recommended few reforms such as providing seed money for research work, improvement of existing research facilities in terms of space and library resources, purchase of instruments, besides publish research compendium for inculcating research culture in college.

- a) IQAC encourage academic departments and faculties of the college to submit project proposals to funding agencies. They are further supported for effective implementation of the sanctioned research projects. College facilitates timely auditing and submission of utilization certificate to the funding authorities.
- b) Establishing the MoUs, linkages and collaborations with academic and research institutes to maintain the research ambience and to foster the quality of research.
- c) Initiation and smooth functioning of the recognized research centers in respective departments by fulfilling all administrative procedures as per SPPU, Pune norms for maintaining the research culture.
- d) HEI has taken sincere efforts for submitting the proposals to various funding agencies including UGC, DST, RUSA, DBT and SPPU. As a result, college has been sanctioned DST-FIST scheme (80 lakhs) and RUSA Component 9 Grants (2 Crores). These funds were properly utilized for upgradation of the research facilities.
- e) Central Instrument Facility (CIF) is established and made available to researchers.
- f) College also provides seed money to young faculty members to undertake research projects.
- g) The researchers are encouraged and supported financially to present/publish research articles in conferences as well as peer reviewed journals.
- h) HEI also organizes scientific events *viz.*, guidance talks, conferences, seminars and workshops for acquiring knowledge and research skills as well as to present the research findings and interactions with experts. Events like 'Science Exhibition', workshop on 'Research Methodology' and IPR are organized periodically by the college.
- i) HEI, IQAC and Academic Research Coordinator (ARC) encourage and motivate the faculties to



- undertake research activities and to participate in *AVISHKAR* and *INNOVATION* competitions.
- The college has established IIC that encourage the researchers for patents and copyrights.
 - HEI felicitates the researchers for their contribution in the research as well as offers incentives.
 - Students are encouraged to visit nearby institutes of national importance and laboratories like NCCS, IISER, IUCCA, C-MET, NCL for literature survey and to see the research laboratories as well as to undertake short term research projects.
 - IQAC takes keen interest and sincere efforts in sensitizing the students and faculties for developing a research environment.

The efforts made by IQAC shown beneficial results, such as:

- College has 4 recognized research centers and 16 recognized research guides.
- The number of students perusing PhDs is 37.
- 34 research projects have been completed and 5 are ongoing during last 5 years.
- Good number of national and international conferences/seminars/workshops organized by the institute, research publications in reputed research journals and faculty participation in conferences and seminars.
- Laboratory facilities are upgraded in terms of instruments and equipments.
- LCD projectors, smart boards, interface experiments and sensors are purchased.

8. Research Themes

Sr. No.	Name of the M.Phil. /Ph.D. guide	Name of the department	Research details
1.	Prin. Dr. R. K. Aher	Botany	Mycorrhiza and Biofertilizers, medicinal plants
2.	Dr. S. K. Aher	Botany	Aerobiology
3.	Dr. R. N. Deshmukh	Botany	Stress Physiology
4.	Dr. V. B. Naikwadi	Botany	Tissue culture and biotechnology
5.	Dr. D. R. Thube	Chemistry	Material Science, Phosphorescent materials, Photocatalysis, Heterocyclic compounds,
6.	Dr. R. S. Diggikar	Chemistry	Nano material, Dye sensitized solar cell applications
7.	Dr. T. S. Thopate	Chemistry	Synthetic Organic Chemistry
8.	Dr. S. L. Kadam	Physics	Material Science
9.	Dr. S. R. Wagh	Zoology	Entomology and Environment Biology
10.	Dr. R. E. Najan	Geography	Economic Geography
11.	Dr. D. S. Ghungarde	Geography	Agricultural and Watershed, Population Geography
12.	Dr. V. S. Raut	Hindi	Hindi Literature
13.	Dr. B. N. Navale	Hindi	Hindi Literature
14.	Dr. H. S. Shelke	Marathi	Vaicharik Sahitya-Literature
15.	Dr. D. P. Sontakke	Economics	Microeconomics
16.	Dr. A. V. Ghorpade	Economics	Microeconomics

9. Research Centers

New Arts, Commerce and Science College, Parner has following Recognized Research Centers by SPPU, Pune.

- Botany Department
- Chemistry Department
- Hindi Department
- Geography Department



10. Research Infrastructure

HEI has established well equipped laboratories for the Science faculty and Computer Science faculty. More attention has been given to upgrade the existing facilities and to build up new facilities from the financial support of college as well as funds received from various funding agencies.

- The focused efforts resulted into the establishment of CIF with sophisticated instruments for characterization and analysis in chemicals science, material science and life sciences.
- The center is equipped with UV-visible spectrophotometer (double beam), FTIR Spectrophotometer, Microtome, cooling centrifuge, Tissue homogenizer, Autoclave, Seed Germinator, Laminar airflow, Shaker, Trinocular inverted Microscope, Gel electrophoresis system, Sprayer Pyrolysis, Ultrasonic Cleaner with Heater, Microwave synthesizer, Teflon Pressure Reactor, LCR Meter, Spin Coater, Gas Sensing Unit.
- College has supported the departments in Commerce and Arts faculty as well.
- Language laboratory is established.
- Geography has well equipped laboratory with the facilities for surveying and GIS.
- Computer Science department has computer labs with latest version of computer systems.
- All departments are with required number of computers with adequate internet facility and are regularly upgraded and maintained for smooth functioning of research activities.
- Knowledge Resource Center (library) is well-resourced by subscribed research journals and reference books.
- Additionally, facilities such as INFLIBNET, DELNET, NDL, N-List are made available for thorough referencing that is integral part of the research. The scifinder facility is made available by affiliating university on university campus which can be utilized by our faculties and staff as per the procedure of university.
- HEI always attempted to collaborate with research institutes and Industry for quality research practices, to avail the latest facilities and to expand the horizon in the field of research.

Committee Member:

- **Committee Chairman**
 - Dr. R. K. Aher
- **Committee Member**
 - Dr. D. R. Thube
 - Dr. S. R. Wagh
 - Dr. D. P. Sontakke
 - Dr. R.S. Diggikar
 - Dr. S. G. Kundlikar
 - Smt. R. R. Dighe

We strive to follow a scheme of continuous improvement and upgradation in our procedures, practices and review the policy on a regular basis to evaluate continued relevance and to monitor compliance.

Date: 30.12.2018

Place: Parner