

Academic Audit

Academic Audit 2016 - 2017



**Gurukula Kangri Vishwavidyalaya,
Haridwar**

(NAAC "A" Grade Accredited Deemed to be University u/s 3 of UGC Act 1956)

Report on
Academic Audit
Gurukula Kangri Vishwavidyalaya,
Haridwar



Academic Audit
IQAC
Gurukula Kangri Vishwavidyalaya,
Haridwar

Committee
Academic Audit
Gurukula Kangri Vishwavidyalaya

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Academic Audit Report

of

Gurukula Kangri Vishwavidyalaya, Haridwar

1. Preamble:

Gurukula Kangri Vishwavidyalaya was founded on March 4, 1902 by Swami Shraddhananda Ji with the sole aim to revive the ancient Indian Gurukula System of education, on the bank of Ganges at Haridwar. This institution was established with the objective of imparting education in the areas of Vedic literature, Indian philosophy, Indian culture, modern sciences and research. As part of its policies for the up-liftment of women in the country, Kanya Gurukula Campus, Dehradun was established in 1922 by Acharya Ramdevji as a second campus of women's education. It was given the status of Deemed to be University in 1962 by University Grants Commission fully funded by UGC, New Delhi. To give real shape to the dreams of Swami Shraddhananda Ji, Kanya Gurukula Campus, Haridwar was established in 1993.

Currently, the University has a student's strength of 5,247 with 159 sanctioned post of faculty. It has 20 departments including the Departments of Botany & Microbiology, Chemistry, Mathematics & Statistics, Physics, Zoology & Environmental Sciences, Management Studies, English, Hindi, Psychology, Veda, Shradhanand Shodh Shansthan, Sanskrit, Philosophy, Physical Education & Sports, Human conciseness & Yoga, Pharmaceutical Sciences, Ancient Indian History, Archaeology & Culture Computer Science of Eight Schools (Faculties).

The GKV has been accredited with 'A' grade with CGPA: 3.13 by the National Accreditation and Assessment Council (NAAC) in 2015.

2. Academic Audit Team:

1. Prof. H.G. Sharma, Professor (Retd.), Department of Mathematics, IIT Roorkee
2. Prof. Ramesh C. Sharma, Professor & Head, Department of Environment Sciences, H.N.B. Garhwal University, Srinagar-Garhwal, Uttarakhand
3. Prof. R.K. Sharma, Professor, Department Computer Science & Engineering, Thapar Institute of Engineering and Technology, Patiala

3. Dates of Academic Visit: 28-29 December, 2017

4. General observations:

The committee for academic audit interacted with the Heads and faculty members of the various departments. The committee members browse the details about academic activities, course curriculum, research projects/ plans/ publications and outreach activities. The academic performance of most of the departments as judged by interaction and documentary evidences was found satisfactory. Faculty members are active in research in general. However, some of the departments are very active in research such as Botany & Microbiology, Zoology & Environmental Science, Physics, Chemistry, and Computer Science as indicated by their citation index and impact factor of journals. Other departments, though active in academic work, need to strengthen for quality work in research.

5. Specific Observations(Main Campus):

A. Faculty of Management Studies

- The Faculty of Management Studies runs the courses of MBA, MBA (BE), MBA (Business Finance) and BBA. The syllabi of these courses are revised periodically; the faculty has been involved in organizing several outreach activities. A good number of invited lectures (22) have been arranged during the Academic Year 2016-17.
- The faculty members are active in research and they have published 10 research papers during AY 2016-17. However, the h-index and citations of the faculty members are not that attractive; they should focus on this.
- The placement of students is the area where the faculty should work upon aggressively, this will be an important selling point for the Faculty of Management.
- GKV should put in efforts to send the results (grades of the students) to the faculty members; we were told that grading is done centrally and faculty members do not know the grades of their students.

B. Faculty of Humanities

The Faculty of Humanities has three departments: English, Hindi and Psychology

Department of English

- Department of English was established in 1962. It has 3 Professors and 1 Assistant Professor.
- The Department of English has been offering B.A., M.A., Ph.D. and B.A. Vidyalankar (Hons.)
- 13 students are admitted in M.A. English and 60 students in B.A. during the current academic session. 28 students are registered in Ph.D. The CBCS has been implemented.
- The Department has published 30 papers during last 5 years, taking this to 1.5 papers per person per year; 4 papers have been published in AY 2016-17.
- The Department has contributed to Hindu Encyclopedia. The Department is also publishing a Journal, **The Vedic Path**.
- The Department of English should focus on some outreach activities and the research publications.

Department of Hindi

- Department of Hindi was established in 1962. It has 3 Professors and some contractual faculty members.
- The Department of Hindi has been offering B.A., M.A., Ph.D. The Department is also offering P.G. Diploma in Journalism
- The Department has admitted 08 students in M.A. first semester and 06 students in third semester out of the approved seats of 40 each. 191 students are admitted in B.A. 1st year out of 200 approved seats. 17 PhD students are registered in the Department of Hindi..
- CBCS has been implemented at PG level.
- Department of Hindi has published four research papers and two books.

- The Department of Hindi should focus on standard publications. They should also focus on outreach activities.

Department of Psychology

- Department of Psychology was established in 1962. It has 2 Professors and 1 Assistant Professor.
- The Department of Psychology has been offering B.A., M.A. and Ph.D. The Department has admitted 10 students in M.A. and 16 in B.A. A total of seven Ph.D. students are registered in the Department of Psychology.
- This Department of Psychology also organized a conference in February 2014.
- Department of Psychology published 8 papers during AY 2016-17.
- The Department of Psychology has a potential for undertaking extension activities like clinical and psychological counseling. However, the Department is not undertaking any formal outreach activities.

C. Faculty of Oriental Studies

- The faculty has five departments- Veda, Sanskrit, Philosophy, Ancient Indian History Archeology & Culture and Shraddhanand Vedic Shodh Sansthan. All of them are engaged in indological research and teaching. Graduate courses are B.A. and B.A. Honors (formerly known as Vedalankar & Vidyalankar). All the departments also offering courses of M.A. & Ph.D. in their respective departments

Department of Philosophy

- The Department of Philosophy was established in 1964. It has one Professor only. 01 Associate Professor and 03 Asst. Professors are vacant.
- The Department offers B.A., B.A. Hons., M.A. and Ph.D. in Philosophy. 05 Ph.D. students are registered in Philosophy. The Department has admitted 23 students in B.A., 34 in B.A. Hons. and 24 in M.A. during the current academic session.
- The Department has published 03 research papers.
- The syllabi are regularly updated. The last BOS was held on 27.08.2015

Department of Sanskrit

- The Department of Sanskrit was established in 1962. The Department runs B.A., B.A. Hons., M.A. and Ph.D. courses.
- The Department has 02 Professors and 01 Asst. Professor. Few posts are vacant.
- A total of 20 Ph.D. students are registered in Sanskrit.
- The Department of Sanskrit has been focusing research on different aspects of Philosophy in Sanskrit Literature.
- The Department of Sanskrit conducts a programme '*Sanskrit Samvad*' annually.

Department of Ancient Indian History, Archeology and Culture

- The Department was established in 1962. The Department runs the courses- B.A., M.A. and Ph.D.
- The Department has 03 Professors and 01 Asst. Professor
- The Department has a Museum of Ancient Indian History, Archeology and Culture with a large number of rare collections. It is very well maintained. It has separate galleries for old coins, letters and scripts of famous personalities like Mahatama Gandhi, Pt. Jawaharlal Nehru, C.F. Andrews and the Himalaya. The Department has undertaken several excavations and obtained many artifacts, coins, statues and remainings including those of Harappa era.
- The Department has also published few research papers on various aspects during 2016-17.

Department of Veda

- The Department of Veda was established in the year 1965. Department runs B.A., B.A. Hons., M.A. and Ph.D. programmes.
- The Department has 03 Professors
- A total of 16 Ph.D. students are registered at the Department of Veda.
- The Department of Veda has been publishing a research Journal *Vaidika Vag Jyotih* regularly. The faculty members are publishing good research papers.

Department Shardhnand Vedic Shodh Sansthan

- The Department was established in the year 1990 at GKV. It has only one Professor.
- Vedic Shodh Sansthan has been focusing on research only. It has rare and valuable scripts. This Sansthan also works on translating the works of the foreign scholars on Vedic research.

D. Faculty of Life Science

Faculty of Life Science has two major departments- Zoology and Environmental Sciences; and Department of Botany and Microbiology.

Department of Zoology and Environmental Sciences

- The Department of Zoology was established in 1961 with undergraduate level teaching. Postgraduate course in Microbiology was started along with Department of Botany in 1984. In 1995, UGC granted M.Sc. Environmental Science course to the Department (now called Department of Zoology and Environmental Science).
- The Department has 03 Professors and 04 Asst. Professors. However, one post of Associate Professor is vacant.
- The Department also conducts Ph.D. programme since 1995. Currently 28 Ph.D. students are registered in the Department
- Faculty members are active in research, which is reflected by their citations and impact factors. The cumulative impact factor of Department of Zoology & Environmental Science during of five years is 74.86.

- The Department has 5 on-going projects with the Faculty members at the moment.

Department of Botany and Microbiology

- The Department of Botany and Microbiology was established in 1962.
- The Department has 03 Professors and 01 Asst. Professor.
- The Department conducts Ph.D. programme since 1995. Currently 15 Ph.D. students are registered in the Department.
- Faculty members are very active in research, which is reflected by their citations and impact factors. The cumulative impact factor of Department of Botany and Microbiology during of five years is 40.08.

E. Faculty of Medical Sciences and Health

Faculty of Medical Sciences and Health has three departments- Yogic Science, Physical Education and Sports; and Pharmaceuticals

Department of Yogic Science

- The Department of Yogic Science was established in the year 2001.
- The Department runs the programmes of B.A., M.A., P.G. Diploma and Ph.D.
- The department has one Professor, one Associate Professor and two Asst. Professors.
- The Department has published five research papers during 2016-17.
- A total of 24 Ph.D. students are registered in Yogic Science.
- Department of Yogic Science conducts outreach programmes as Yoga camps at different schools, institutions and government departments.
- The Department also attracts foreign students in its different programmes.

Department of Physical Education and Sports

- The Department was established in 2000 under self financed mode.
- The Department runs the programmes of B.P.Ed. and M.P.Ed.
- The Department has two Professors and one Asst. Professor.
- The Department has published 10 research papers during 2016-17.
- The Department has produced the cricket team which reached up to semi-final in North Zone Cricket Competition during 2016-17.
- The Department is doing well in Badminton and *Kabaddi*.
- The Department has future plans for research and Diploma in coaching.

Department of Pharmaceuticals

- The Department was established in 2007.
- The Department runs B. Pharma., B.Sc. Hons. (Biomedical Sciences) and D.Pharma.
- The Department has one Professor and four Asst. Professors.
- The faculty members have published 06 research papers during 2016-17.
- The Department has considerable placements.
- The Department celebrates World Pharmacy Day (25 September) every year.

F. Faculty of Science

The Faculty of Science has three main Departments- Chemistry, Physics and Mathematics & Statistics.

Department of Chemistry

- The Department was established in 1958 with the initiation of B.Sc. programme.
- The Department started M.Sc. in 1991 and Ph.D. in 1993.
- The Department also runs P.G. Diploma in Commercial Methods of Chemical Analysis which has very encouraging placements.
- The Department has one Professor and five Asst. Professors. However, the positions of two Associate Professors and two Asst. Professors are vacant.
- The Department has Scopus citations of 3,413 along with h-index: 16.
- A total of 11 Ph.D. students are registered in the Department of Chemistry.

Department of Physics

- The Department was established in 1958 with the initiation of B.Sc. programme.
- The Department started M.Sc. in 1991 and Ph.D. in 1993.
- The Department has two Professors and three Asst. Professors.
- Department of Physics updated its syllabi recently; BOS was conducted on 7 July 2017.
- Faculty members are active in research, as indicated by their citations; the cumulative impact factor for 5 years being 80.55.

Department of Mathematics and Statistics

- The Department was established in 1958 with the initiation of B.Sc. programme.
- The Department started M.Sc. in 1964 and Ph.D. in 1986.
- The Department has one Professor and three Asst. Professors. However, the positions of one Professor and three Associate Professors are vacant.
- The Faculty members have published 11 research papers during 2016-17.
- The Department has citation index (Scopus) of 153 along with 16 h-index.
- The Department has recently updated its syllabus at the BOS meeting held on 30.09.2015.

G. Faculty of Technology

This faculty includes only one department, namely, Department of Computer Science.

Department of Computer Science

- The Department was established in 1988 with the B.Sc. in Computer Science.
- The Department also runs a flagship programme, MCA which was started in 1993. Department also offers the Ph.D. programme in Computer Science.
- The Department has three Professors and four Assistant Professors.
- Currently 21 Ph.D. students are enrolled in this Department.
- The Department has revised its syllabi in July 2015.

- This Department has 58 publications in its name; 13 are there in the Academic Year 2016-17.
- The Department organized 9 lectures from outside experts for the benefit of their students.
- They are also active in helping other Departments for increasing their IT capabilities; one program organized with Microsoft professionals. They should, however, increase its frequency.
- The Department signed 2 MoUs, one with IIRS and other with ORACLE.
- They have also planned a conference in 2018; and will continue inviting guests for delivering lectures.
- The research activity needs to be scaled up in this Department; they should also focus on increasing the placement of their MCA students.

H. Faculty of Engineering and Technology

This faculty consists of seven Departments, namely, Department of Computer Science & Engineering, Department of Electronics Communication & Engineering, Department of Electrical Engineering, Department of Mechanical Engineering, Department of Applied Physics, Department of Applied Chemistry, and Department of Applied Mathematics.

- Department of Computer Science and Engineering, Physics, Applied Chemistry and Applied Mathematics were established in 2000; Department of Electronics and communications Engineering was established in 2001, Department of Electrical Engineering in 2004, and Department of Mechanical Engineering was established in 2009.
- In all, there are 45 faculty members in these Departments; out of which only 18 faculty members are on regular rolls. 27 faculty members are on contract.
- 50% of the regular faculty members are having a PhD degree.
- For a pleasant surprise, one faculty member on contract is also having a PhD degree.
- Here also, the BoS was conducted in July 2015. The engineering disciplines should also be dynamic enough to incorporate the latest changes happening in their domains.
- They have published 88 papers in all till now; and in 2015-16, 13 papers have been published by the faculty members. They do have some publications in impact factor journals.
- The faculty is quite active in outreach activities, and organized several events in this direction.
- They have planned to start MTech courses in near future, and will also organize training programs for Teaching and Non-Teaching employees of the University.

6. Specific Observations (Kanya Gurukula, Haridwar)

The Kanya Gurukula, Haridwar is a separate campus for women education, which was established in 1993. The campus has five Science Departments (Physics, Chemistry, Mathematics, Environmental Science and Microbiology) and six Departments are of Humanities and Oriental Studies (Hindi, English, Sanskrit, Psychology, Philosophy and Ancient Indian History, Archaeology and Culture). All the Departments are running P.G.

courses (M.Sc., M.A.) in their respective Departments. Every Department is also involved in research.

- Department of Chemistry initiated the programme of M.Sc. in Chemistry in 1995. The Department has one Professor and two Asst. Professors. A total of 15 Ph.D. students are registered in the Department.
- Department of Microbiology was established in the year 1993. The Department has one Professor and one Asst. Professor. A total of 8 Ph.D. students are registered in the Department.
- Department of Zoology and Environmental Sciences initiated the programme of M.Sc. in Environmental Sciences in 1995. The Department has one Professor and one Asst. Professor. A total of 10 Ph.D. students are registered in the Department.
- Department of Mathematics runs M.Sc. programme in Mathematics since 1993 and Ph.D. programme since 2006. This Department has 1 Professor and 2 Assistant Professors. In last 5 years, faculty members have published 42 articles. 8 Ph.D. have been guided by this Department.
- Department of Physics was established in 1993. This Department offers M.Sc. in Physics. There is one Assistant Professor in this Department. 3 students are registered for their PhD in this Department.
- Department of English was established in 1993. The Department has one Professor and one Asst. Professor. A total of 10 Ph.D. students are registered in the Department.
- Department of Sanskrit was established in 1993 and started M.A. in 1995. The Department has one Professor and one Asst. Professor. A total of 6 Ph.D. students are registered in the Department.
- Department of Psychology was established in 1993 and started M.A. in 1995. The Department has one Professor and one Asst. Professor. A total of 10 Ph.D. students are registered in the Department.
- Department of Ancient Indian History, Archeology and Culture was established in 1993 and started M.A. in 1995. The Department has only one Asst. Professor. A total of 6 Ph.D. students are registered in the Department.
- Department of Hindi was established in 1993 and started M.A. in 1995. The Department has one Professor and one Asst. Professor. A total of 12 Ph.D. students are registered in the Department.
- Department of Philosophy was established in 1993 and started M.A. in 1995. The Department has only one Asst. Professor. A total of 3 Ph.D. students are registered in the Department.

7. Recommendations and Suggestions

- Most of the UGC Grants including of the sanctioned research projects of the faculty members have not been released in the absence of recognition of the University (2F and 12B) by UGC, New Delhi. Therefore, this issue of UGC recognition should be addressed on priority basis for smooth running of academic activities.

- The Faculty of Life Science and Science have made good academic and research contributions. Few other Departments of other faculties are also having good publications. It is recommended that the remaining other Departments should also focus on quality research publications.
- The University does not have middle level faculty. Their ratio is highly negatively skewed for the Associate Professors. We could rarely find an Associate Professor in the University. The University should take measures to remove this skewness.
- University may like to consider publications as a pre-requisite for the award of Ph.D. degree.
- The CLOs (Course Learning Outcomes) are missing from the syllabi of all the Departments. This is now a requirement for all accreditations. These should also be measured with the help of direct/indirect methods.
- The feedback from students is also missing in the process. The University should take measures to introduce taking feedback from students.

H. G. Sharma

Prof. H.G. Sharma

R.K. Sharma

Prof. R.K. Sharma

R. C. Sharma

Prof. Ramesh C. Sharma