

Evaluative Report of the Department

1. Name of the Department: Dravyaguna
2. Year of establishment: 1927
3. Is the Department part of a School/Faculty of the University: Faculty of the University
4. Names of Programmes/Courses offered (UG, PG, M. Phil, Ph.D., Integrated Masters: BAMS, M.D.(Ay.), P.G. Diploma , Ph.D.
5. Interdisciplinary courses and departments involved: Department of Rasa Shastra, Department of Pharmaceutics, Department of Medicinal Chemistry.
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
7. Details of programmes/courses discontinued, if any, with reasons: P.G. Diploma in Ayurvedic Drug Standardization. (As the course is not recognized by CCIM).
8. Annual/Semester/Choice Bases Credit System: Annual
9. Participation of the department in the courses offered by other departments: Department of Kaumarbhritya & Bala Roga, Department of Sangyahanana.
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

	Sanctioned	Filled
Professor	01	01
Associate Professor	02	01
Assistant Professor	02	02

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Lit./Ph.D./M. Phil, etc.)

Name	Qualification	Designation	Specialization	No. of Year of Experience	No. of Ph.D. students guided for the last 4 years
Dr. V.K. Joshi	BAMMS, M.D. (Ay), Ph. D.	Professor & Head	Dravyaguna	35	04
Dr. K.N. Dwivedi	BAMMS, M.D. (Ay), Ph. D.	Professor	Dravyaguna	21	05
Dr. A.K. Singh	BAMS, M.D.(Ay.) Ph.D.	Associate Professor	Dravyaguna	16	03
Dr. B. Ram	BAMS, M.D.(Ay)	Assistant Professor	Dravyaguna	07	-

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors
13. Percentage of classes taken by temporary faculty- programme-wise information
14. Programme-wise Student Teacher Ratio

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15. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Sanctioned	Filled
Curator	1	1
P/A Stenographer	1	1
Senior Assistant	1	1
S.T.A.	1	Vacant
Sr. Lab. Assistant	1	1
Lab. Attendant	2	Vacant
Daftari	1	1
Peon	1	1

16. Research thrust areas recognized by funding agencies

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.

- A sum of Rs. 105 Lacs Project entitled "Conservation and Cultivation of Medicinal Plants for Sustainable use as per Ayurvedic Classics" has been sanctioned by National Medicinal Plants Board, Department of AYUSH, Ministry of Health & Family Welfare, New Delhi under Prof. V.K. Joshi.
- Completed a project entitled "Exploring functional genomics basis for Medicinal Properties (Dosha-balancing) of some plants used in Ayurveda" of Rs. 9 lacs in collaboration with the Central Institute of Medicinal and Aromatic Plants, Lucknow under Prof. V.K. Joshi.

18. Inter-institutional collaborative projects and grants received

a) All India collaboration b) International

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc; total grants received. Rs.8,00,000/- from DST PURSE Programme.

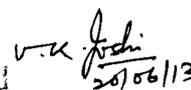
20. Research facility/centre with

- state recognition
- national recognition
- international recognition

21. Special research laboratories sponsored by/created by industry or corporate bodies

22. Publications:

- Number of papers published in peer reviews journals (national/international) –
National: 20 International: 11
- Monographs-1
- Chapters in Books-2
- Edited Books
- Books with ISBN with details of publishers

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- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.)

23. Details of patents and income generated

24. Areas of consultancy and income generated

25. Faculty selected nationally/internationally to visit other laboratories in India and abroad

26. Faculty serving in

- a) National committees b) International Committee c) Editorial Boards d) any other (please specify)

1. Position of Faculty members in Scientific Bodies (only National & International):

Prof. V.K Joshi is-

- Chairman, Single Drug Sub-Committee Ayurvedic Pharmacopoeia, Department of AYUSH, Ministry of Health and Family Welfare, Govt. of India, New Delhi.
- Member of Expert Group on Quality Standard of Indian Medicinal Plants, Indian Council for Medical Research (ICMR), New Delhi.
- Member of Ayurvedic Pharmacopoeia Committee, Ministry of Health and Family Welfare, Govt. of India, Department of AYUSH, New Delhi.
- Member of CCIM, Ministry of Health & Family Welfare, Govt. of India, New Delhi.
- Expert member of National Consultation Workshop to initiate Clinical trials of Classical Ayurvedic Pharmacopoeial Formulation held on 22nd and 23rd April, 2010 at CCRAS, New Delhi.
- Member of Project Evaluation Committee (PEC), Ministry of Health & Family Welfare, Govt. of India, Department of AYUSH, New Delhi.

Prof. K.N. Dwivedi is-

- Member, Research Society for Study of Diabetes in India.
- Member, Diabetic Association of India.
- Member, Wound Healing society of India
- Co-opted member, Ayurvedic Pharmacopoeia Committee, Department of AYUSH, Ministry of Health, Govt. of India.

27. Faculty recharging strategies

28. Student projects

- Percentage of students who have done in-house projects including inter-departmental projects: 100%
- percentage of students doing projects in collaboration with other universities/industry/institute: N.B.R.I., Lucknow.

29. Awards/recognitions received at the national and international level by

- Faculty
- Doctoral/post doctoral fellows
- Students

30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

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31. Code of ethics for research followed by the departments: As per U.G.C. Guide Lines.

32. Student profile course-wise

Name of the Course	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female

33. Diversity of students:

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from the universities within the State	% of students from universities outside the State	% of students from other countries

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

35. Students progression:

Student Progression	Percentage against enrolled
UG to PG	
PG to M. Phil.	N.A.
PG to Ph.D.	67%
Ph.D. to Post-Doctoral	
Employed	
• Campus selection	
• Other than campus recruitment	33%
Entrepreneurs	

36. Diversity of staff:

Percentage of faculty who are graduates of the same university	
from other universities within the State	100%
from universities from other States	
from universities outside the country	

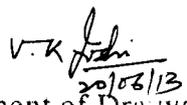
37. Number of faculty who were awarded Ph.D., D.Sc. and D. Lit. during the assessment period

38. Present details of infrastructural facilities with regard to

- Library: Departmental Library within the Department.
- Internet facilities for staff and students: Yes

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- c) Total number of class rooms: Two
d) Class rooms with ICT facility: Two
e) Students' laboratories: Two
f) Research laboratories: Two
39. List of doctoral, post-doctoral students and Research Associates
a) from the host university: Doctoral- 08
b) from other universities : Doctoral- 04
40. Number of post graduate students getting financial assistance from the university. 09
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. Yes, as per CCIM Norms
42. Does the department obtain feedback from
a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? The assessment is done on the basis of presentation by the P.G. Students & Ph.D. Scholars followed by question answer session in the presence of the teachers. The unanswered questions are answered by the teachers & chairman of the weekly departmental seminar.
c) alumni and employers on the programmes offered and how does the department utilize the feedback?
43. List of the distinguished alumni of the department (maximum 10)
(1) Padma Shree Prof. K.C. Churekar
(2) Dr. P.K. Mukharjee, Director, Ayurveda & Unani Services, Govt. of West Bengal, Kolkata
(3) Dr. V.V. Prasad, Director, Kashitriya Ayurveda Vidyapeeth, New Delhi
(4) Dr. A.N. Singh, Reader, Govt. Ayurvedic College, Haridwar
(5) Dr. J.R. Hazra, Director, National Research Institute of Ayurvedal, Kolkata
(6) Dr. Raj Bahadur, Head, Dept. of Dravyaguna, L.H. Ayurvedic College, Pilibhit
(7) Dr. D.C. Singh, Reader & Head, Dept. of Dravyaguna, Govt. Ayurvedic College, Rishikul, Haridwar (Uttaranchal)
(8) Dr. P.V. Vara Prasad, Assistant Director, R.R.I. (CCRAS), Nagpur.
(9) Dr. S.N. Murthy, Assistant Director, R.R.I. (CCRAS), Pune.
(10) Dr. Goli Panchala Prasad, Assistant Director, R.R.I. (CCRAS), Hyderabad
(11) Dr. T.K. Mandal, Incharge, Regional Institute of Ayurvedic Todang, Gangtok.
44. Give details of student enrichment programmes (special lectures/workshops/seminar) involving external experts. : (1) Faculty Seminar (2) Institute Research Forum (3) Interactive Workshop
45. List of the teaching methods adopted by the faculty for different programmes. :
(1) Audiovisual (2) Black Board.

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46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? Through sincerely & punctuality in teaching.
47. Highlight the participation of students and faculty in extension activities.
(1) Elixir (2) Ayush Pragya (3) SPANDAN
48. Give details of “beyond syllabus scholarly activities” of the department.: Health Exhibition
49. State whether the programme/department is accredited/graded by other agencies? If yes, give details: Yes, by CCIM.
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: A Health Calendar : Seasonal Regimen: The Science of Health Protection has been published.

51. Future plan of the department.

- Comprehensive study of the unpublished manuscripts lying in the various libraries in our country and neighboring nations.
- Publication of the critical edition of all such manuscripts after obtaining their copies from visiting the Libraries.
- Identification of all such medicinal plants which have still controversy on their identity with the help of manuscripts.
- Conservation of all such medicinal herbs for expansion and transmission of knowledge to next generation.
- Ascertainment of properties and action of all such unexplored drug substance not recorded in Ayurvedic classics.
- Use of Ancient wisdom and modern technology to categories Rasas present in a plant drugs through chemo- sensory research technology.
- Development of quality standard drugs of plant origin for safe use and best efficiency with the help of advanced technology without using any kind of solvent i.e. Carbon extractor.
- A reference museum of international standard consisting of useful part of the plants with all details.
- Renovation of the existing Medicinal Plants Garden for conservation of Live Plants of Ayurvedic Classics for practical training and research.
- Experimental and Clinical evaluation of Ayurvedic Drugs as per the principles of Dravyaguna Vijnana.

The above views would help to emerge as the premier Academy in the world offering Training, Research and Consultancy services in the Field of Dravyaguna.

52. Details any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

Five Strength:

- (i) Well qualified Faculties four in number.
- (ii) Two separate laboratories i.e. Pharmacology & Pharmacognosy
- (iii) Medicinal Plant Garden consisting of more than 200 species for practical training.
- (iv) A library with good number of reference & text books.
- (v) A Museum of useful parts of plant drugs more than 400 in numbers.


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Weaknesses:

- (i) Number of technical hand in less after superannuation.
- (ii) Lab. Attendants positions are vacant.
- (iii) One position of teacher is vacant.
- (iv) The number of Malis are less.

Opportunities:

The Department of Dravyaguna deals with medicinal plants their properties action & therapeutic uses. There are good opportunities in the field of Dravyaguna in following sectors:

- (i) An ayurvedic physician having good knowledge of properties & therapeutic uses of medicinal plants as demand of plant based medicine is accelerating.
- (ii) Establishment of Ayurvedic Pharmacy to produce quality & standard Ayurvedic single & compound medicines.
- (iii) Research & development in the field of classical medicines in a Pharmaceutical Industry in India & Abroad.
- (iv) Cultivation, procurement & marketing of the crude drugs to the drug traders in Indian market.

Challenges:

- (i) Identification of genuine useful parts of the medicinal plants sold in the crude drug market.
- (ii) Microscopic identification of the genuine plant parts as crude drug market is filled with adulterated & substitute drugs.
- (iii) Cultivation & sustainable development of medicinal plants in different agro-climatic zone.
- (iv) Presence of Heavy metal like- Mercury, Lead, Arsenic etc. in useful parts of the medicinal plants.
- (v) Preservation of knowledge on medicinal plants ascribed in classical ayurvedic scriptures.

Post-accreditation Initiatives

If the university has already undergone the accreditation process by NMAC, please highlight the significant quality sustenance and enhancement measures undertaken during the last four years. The narrative may not exceed ten pages.


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