

## Evaluative Report of the Department

1. Name of the Department : **Department of Vikriti Vigyan**
2. Year of establishment: **as a section in 1989 and as an independent Dept. in 2006**
3. Is the Department part of a School/Faculty of the university?:  
**Part of Faculty of Ayurveda, Institute of Medical Sciences, BHU**
4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)  
**UG- Ayurvedacharya-BAMS (Bachelor of Ayurvedic Medicine & Surgery)**  
**PG-Ayurveda Vachaspati [MD (Ayurveda)] in Roga Nidan evam Vikriti Vigyan**  
**Ph.D. in Vikriti Vigyan**
5. Interdisciplinary courses and departments involved: **Nil**
6. Courses in collaboration with other universities, industries, foreign institutions, etc.:  
**Nil**
7. Details of programmes / courses discontinued, if any, with reasons: **Nil**
8. Annual/ Semester/Choice Based Credit System: **Annual System**
9. Participation of the department in the courses offered by other departments:
  1. **DNYT/BNYS at RGSC, Barkachha**
  2. **PG Diploma in Integrated Rural Development & Management**
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/Others)

	Sanctioned	Filled	Actual (including CAS/MPS)
Professor	<b>Nil</b>	<b>Nil</b>	<b>Nil</b>
Associate Professors	<b>01</b>	<b>01</b>	<b>01</b>
Asst. Professors	<b>02</b>	<b>02</b>	<b>02</b>
Others	<b>Nil</b>	<b>Nil</b>	<b>Nil</b>

11. Faculty profile with name, qualification, designation, area of specialisation , experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
<b>Dr.A C Kar</b>	<b>MD (Ay.), Ph.D.</b>	<b>Associate Professor</b>	<b>Roga Nidan &amp; Vikriti Vigyan</b>	<b>&gt; 16 years</b>	<b>04</b>
<b>Dr. P. S. Byadgi</b>	<b>MD (Ay.), Ph.D.</b>	<b>Assistant Professor</b>	<b>Roga Nidan &amp; Vikriti Vigyan</b>	<b>&gt;9 years</b>	<b>Nil</b>
<b>Dr. (Mrs.) P. Tewari</b>	<b>MD (Ay.)</b>	<b>Assistant Professor</b>	<b>Roga Nidan &amp; Vikriti Vigyan</b>	<b>&gt;9 years</b>	<b>Nil</b>

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

1. Prof. R.H.Singh, Emeritus Professor, Ex-Vice-chancellor, Rajasthan Ayurveda University, Jodhpur
2. Prof. B L Rastogi, Ex-Professor, Dept of Pathology, IMS, BHU
3. Prof. Gopal Nath, Professor, Dept of Microbiology, IMS, BHU
4. Prof. Shampa Anupurba, Dept of Microbiology, IMS, BHU
5. Prof. S.K.Khandel, Dept. of Roga Nidan, National Institute of Ayurveda, Jaipur
6. Prof. M.Srinivasulu, A.L. Govt. Ayurveda College, Warangal, A.P.

13. Percentage of classes taken by temporary faculty – programme-wise information

<b>Prof. S.K.Khandel &amp; Prof. M Srinivasulu:</b>	<b>Extension lectures</b>
<b>Prof. R H Singh</b>	} : <b>Guest Lecture in PG course</b>
<b>Prof. B.K.Panda</b>	
<b>Dr. N.K.Agrawal</b>	
<b>Dr. V.N.Mishra</b>	
<b>Prof. B.L.Rastogi</b>	} : <b>Regular classes as per the time table in PG course</b>
<b>Prof. Gopal Nath</b>	
<b>Prof. Shampa Anupurba</b>	

14. Programme-wise Student Teacher Ratio

**PG: 2:3**

**Ph.D.: 6:1 - Associate Professor**

**4:1 - Assistant Professor**

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

<b>Staff</b>	<b>Sanctioned</b>	<b>Filled</b>	<b>Actual</b>
<b>Technical Staff</b>	<b>02 (General Pool)</b>	<b>02</b>	<b>02</b>
<b>Administrative Staff</b>	<b>Nil</b>	<b>Nil</b>	<b>Nil</b>

16. Research thrust areas recognized by major funding agencies: **Nil**

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.

**Dr. A C Kar (As Co-PI): 31 Lakhs (Total Grant) - Central Council for Research in Ayurveda & Siddha, New Delhi**

**DST-PURSE Scheme: 08 Lakhs**

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration : **Nil**

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE etc.; total grants received. : **Nil**

20. Research facility / centre with

- state recognition: **Nil**
- national recognition : **Nil**
- international recognition: **Nil**

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

22. Publications: since 2007

- \* Number of papers published in peer reviewed journals (national / international)  
International: **30**  
National: **26**
- \* Monographs: **Nil**
- \* Chapters in Books: **03**
- \* Edited Books: **01**
- \* Books with ISBN with details of publishers

### **Books Published by Dr. A C Kar**

1. Parasitology in Ayurveda, Chaukhambha Visvabharati, Varanasi, ISBN: 978-93-81301-08-1

### **Books Published-Dr.P.S.Byadgi**

1. Encyclopedic dictionary of Ayurveda, Chaukhambha Publications, Publishers and Distributors of Oriental Cultural Literature,4262/3, Ansari Road, Darya Ganj, Delhi-110002 Vol.II, ISBN : 978-81-89798-96-3 .Year-2011.
2. Parameswarappa's "Ayurvediya Vikriti Vigyan and Roga Vigyan", Chaukhambha Publications, Publishers and Distributors of Oriental Cultural Literature, 4262/3, Ansari Road, Darya Ganj, Delhi-110002, Vol.I, ISBN: 978-81-89798-03-1, Edition: First, 2007.
3. Parameswarappa's "Ayurvediya Vikriti Vigyan and Roga Vigyan",Chaukhambha Publications, Publishers and Distributors of Oriental Cultural Literature,4262/3, Ansari Road, Darya Ganj, Delhi-110002 Vol.II, ISBN : 978-81-89798-35-2 . Year-2009.
4. Kala-Azar in Ayurveda, Chaukhambha Publications, Publishers and Distributors of Oriental Cultural Literature, 4262/3, Ansari Road, Darya Ganj, Delhi-110002, February, 2009. ISBN:978-81-89798-32-1.

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

\* Citation Index – range / average

\* SNIP

\* SJR

\* Impact Factor – range / average

\* h-index

23. Details of patents and income generated: **Nil**

24. Areas of consultancy and income generated: **Nil**

25. Faculty selected nationally/ internationally to visit other laboratories/institutions/industries in India and abroad: **Nil**

26. Faculty serving in

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

**Editorial Board: Dr. A C Kar**

- 1. Senior Editor, International Journal of AYUSH published by Cloud Journals**
- 2. Journal of AYUSH, STM Journals, Noida**
- 3. Journal of Research in Ayurveda & Siddha, CCRAS New Delhi (Up to 2008)**
- 4. Reviewer, "AYU:- AN International Quarterly Journal of Research in Ayurveda**
- 5. Reviewer, Journal of Research and Education in Indian Medicine**

**Dr.P.S.Byadgi**

**ADVISORY BOARD MEMBER- International Journal of Research in Ayurveda & Pharmacy**

**EDITORIAL BOARD MEMBER**

- 1. Journal of AYUSH: Ayurveda, Yoga, Unani, Siddha and Homeopathy--- International online journals- STM (Science, Technical & Medical) journals**
- 2. Journal of Medical Science & Technology---International online journals- STM (Science, Technical & Medical) journals**
- 3. A Journal of Medicine---International online journals- STM (Science, Technical & Medical) journals**
- 4. Reviewer, "AYU - AN International Quarterly Journal of Research in Ayurveda**
- 5. Reviewer, JAIM - Journal of Ayurveda and Integrative Medicine**

27. Faculty recharging strategies (UGC, ASC, Refresher/Orientation programs, Workshops, training programs and similar programs):

**The Faculties are undergone periodical Refresher, Re-orientation courses and the training programs organized by UGC Academic Staff College as well as by Dept of AYUSH.**

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects: **100% (projects by the UG students as per syllabus and the Dissertation by the PG students)**

- percentage of students doing projects in collaboration with other universities / industry / institute : **Nil**

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

- Faculty: **Dr. A C Kar, awarded Dhanwnatari Award-2012 by Odisha Ayurveda Seva Sansthan**
- Doctoral / post doctoral fellows: **Dr. Shalini Rai, Ph.D. Scholar in Debate at National Level**
- Students

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

- Re-orientation Training Programme in Roga Nidan: funded by Dept of AYUSH, Ministry of Health & FW, Govt. of India**
- Workshop on Technical Terminology on Roga Nidan: Funded by Commission for Scientific and Technical Terminology, Ministry of HRD, Govt. of India**
- Re-orientation Training Programme in Geriatrics: Funded by Dept of AYUSH, Ministry of Health & FW, Govt. of India**

31. Code of ethics for research followed by the departments

**All the Research Proposals submitted by the PG and Ph.D Scholars are approved by the Institutional Ethical Committee of IMS, BHU**

32. Student profile programme-wise: since 2007

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
<b>Post Graduate</b>	<b>Through all India Competition conducted by the Institute</b>	<b>05</b>	<b>05</b>	<b>100</b>	<b>100</b>
<b>Ph.D.</b>	<b>Through all India Competition conducted by the Institute</b>	<b>01</b>	<b>03</b>	<b>Thesis not submitted</b>	

33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
Post Graduate	40%	40%	20%	00
Ph.D.	50%	00	50%	00

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

35. Student progression

Student progression	Percentage against enrolled
UG to PG	50%
PG to M.Phil.	
PG to Ph.D.	33%
Ph.D. to Post-Doctoral	
Employed	
• Campus selection	Nil
• Other than campus recruitment	68%
Entrepreneurs	32%

36. Diversity of staff

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

37. Number of faculty who were awarded M.Phil, Ph.D., D.Sc. and D.Litt. during the assessment period: 01

38. Present details of infrastructural facilities with regard to

a) Library: **More than 100 reference books & 03 Journals are subscribed**

b) Internet facilities for staff and students: **Available to all**

c) Total number of class rooms: **08 Class rooms in the Faculty are shared by the Department besides One seminar room of the Department**

d) Class rooms with ICT facility: **All classrooms have audio-visual facilities**

e) Students' laboratories: **UG practical laboratory having 100 capacities**

f) Research laboratories: **PG Research cum Clinical Lab in the Hospital**

39. List of doctoral, post-doctoral students and Research Associates

a) from the host university: Doctoral: 02

b) from other universities: Doctoral : 02

40. Number of post graduate students getting financial assistance from the university.

**All the Post Graduate Scholars are getting Salary equivalent to Assistant Professor as per the Residency Scheme.**

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. : Nil

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? :

**The Department is conducting periodical Board of studies meeting inviting the external expert members for updating the Curriculum.**

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? :

**Periodical feedback is obtained from the students in the prescribed format of the University and the concerned teachers are informed accordingly to modify/improve their teaching methodology.**

c. Alumni and employers on the programmes offered and how does the department utilize the feedback? : Nil

43. List the distinguished alumni of the department (maximum 10)

Sl.No.	Name	Year Of Degree Awarded	Present affiliation
1.	Dr P K Panda	1992	Professor, Govt. Ayurveda College, Bolangir, Orissa
2.	Dr Anjilika Singh	1993	Professor, Gurur Nanak Ayurveda College, Gopalpur, Ludhiana (Punjab)
3.	Dr Sujata Yadav	1996	Reader, A & U Tibia College, Karol Bagh, New Delhi
4.	Dr S N Singh	1997	Principal, State Ayurveda College, Attara, Banda (UP)
5.	Dr R D H Kulatunga	1998	Sr. Lecturer, Ayurveda College, Sri Lanka
6.	Dr Sanjay Ku. Singh	2002	Lecturer, Rishikul Govt. PG Ayurvedic College, Hardwar
7.	Dr B K Sewatkar	2004	Lecturer, National Institute of Ayurveda, Jaipur

8.	<b>Dr Amarinder Singh</b>	2007	<b>Lecturer, Govt. Ayurvedic College, Kadamkuan, Patna</b>
9.	<b>Dr. Siddharth Thakur</b>	2008	<b>Medical Officer, Govt. of Nepal</b>
10.	<b>Dr. Reetu Sharma</b>	2010	<b>Lecturer, National Institute of Ayurveda, Jaipur</b>

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

1. **Extension lectures by inviting external experts were done in session 2008-09.**
2. **Workshops on Technical Terminology on Roga Nidan was organized in February 2010**

45. List the teaching methods adopted by the faculty for different programmes.

1. **Audio-visual methods for theoretical Teachings**
2. **Bedside demonstrations along with video demonstrations of clinical methods for development of clinical skill**
3. **Practical Training on Laboratory methods in the Practical Laboratory**

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

**The Head of the Department is constantly monitoring the Theory & Practical Classes taken by the Faculty as per the schedule. The Diagnostic test after completion of each chapter is taken by the concerned faculty to know the learning outcomes.**

47. Highlight the participation of students and faculty in extension activities.

**The students and the Faculty are conducting OPDs and doing IPD duties for providing Health Care services to the patients. Besides, the diagnostic services are also provided to the patients in the Clinical Laboratory (IM) of S S Hospital, BHU**

48. Give details of “beyond syllabus scholarly activities” of the department.

1. **The Department is organizing weekly Academic seminar by the PG and Ph.D. Scholars of the Department on every Wednesday where in each scholar is presenting their own views regarding the present scenario on the disease prevalence and possible solutions.**
2. **Similarly, one clinical seminar is also organized on every Thursday to present a critical case for discussion and final diagnosis and management**

49. State whether the programme/ department is accredited/ graded by other agencies? If yes,

give details. : No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- 1. The Department is conducting Research for reviving the ancient diagnostic and prognostic techniques which are not in use since long period and their scientific validation.**
- 2. The Research is also being conducted to add new clinico-etio-pathological factors including complications in the diseases as per the present environmental scenario.**
- 3. To study the etiopathogenesis as per Ayurvedic Principles for the diseases which are not described in Ayurvedic texts.**
- 4. Scientific validation of Fundamental Principles of Roga Nidan.**

51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- 1. Unique technique of body fluid examination to predict the prognosis of diseases.**
- 2. Concept of Rogi bala and Roga bala for planning suitable treatment**
- 3. Concept of Rogi-roga pariksha (Diagnostic principles) specially Nadi pariksha**
- 4. Concept of principles of prevention and treatment of diseases through the stages of Pathogenesis (Satkriyakala)**
- 5. Concept of Deha Prakriti (physical Constitution) and its role in the development of diseases as well as for selection of individualized therapy/treatment**

Weaknesses

- 1. Lack of full-fledged research lab to conduct research**
- 2. Insufficient funds for research work**
- 3. Lack of financial assistance to the Ph.D. Scholars**
- 4. Lack of teaching staff as per the norms of the regulatory council**
- 5. Lack of technical and office staff**

Opportunities

- 1. To serve as a Teacher in Govt. and Private sector**
- 2. To serve as a Researcher in the Research Councils and Industries**
- 3. To serve as a Medical Officer in Govt. and Private sector**
- 4. To develop as an Entrepreneur in the society**

**5. To play an overall role in the society as Health Care Provider**

**Challenges**

1. Revival and scientific validation of the diagnostic and prognostic tools which are not in use now
2. Invention of newer devices for automation of the manual diagnostic and prognostic techniques
3. Developing research methodology as per the Ayurvedic Principles for Clinical Research
4. Scientific validation of concepts for wider acceptance among the medical fraternity
5. Recognition of the State/Central Govt. to run the Diagnostic laboratories in the field

**52. Future plans of the department.**

**Academic activities**

- To Impart theoretical teaching in the subject Roga Nidan and Vikriti Vigyan to undergraduate and postgraduate scholars
- To impart practical clinical and laboratory training to the undergraduate and postgraduate scholars
- To conduct course work for the Ph.D. Scholars
- To conduct periodical extension lectures by the personalities of highest academic excellence.
- Implementation of the Environmental studies in the undergraduate courses of Ayurveda.
- To conduct periodical Reorientation training programme (ROTP) and Continuing Medical education (CME) in Rog Nidan and Vikriti Vigyan for the teachers and medical officers as and when entrusted by the University/Govt. of India

**Research activities**

- Standardization and scientific evaluation of ancient clinical and laboratory diagnostic technology
- Standardization and scientific validation of fundamental concept of Roga Nidan
- Development of diagnostic devices to evaluate the ancient diagnostic tools.
- Correlation and interpretation of laboratory investigations with the clinical diagnostic principles of Ayurveda
- Scientific evaluation of clinical diagnostic tools of Ayurveda.
- Aetiopathological and Clinico-pathological studies of disease conditions.
- Development of Samprapti-Ghatakas (Components of Pathogenesis) of the new diseases not described in Ayurvedic texts but presently affecting the human beings